

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101118\  
 Data File : VL032612.D  
 Acq On : 11 Oct 2018 20:06  
 Operator : SY/AP  
 Sample : J5370-01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 Q1-SVI-100518

Manual Integrations  
 APPROVED

MMDadoda  
 10/12/2018 2:07:36 PM

Quant Time: Oct 12 12:12:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct 08 2018  
 QLast Update : Mon Oct 01 06:49:26 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.80  | 49   | 1422134  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.33  | 114  | 3120732  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.27 | 117  | 3249914  | 10.00 | ppbv  | -0.02    |

| System Monitoring Compounds |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.61  | 95    | 2269823  | 9.26     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 92.60% |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane | 3.09  | 85   | 24847    | 0.189   | ppbv   | 100    |
| 3) Chlorodifluoromethane   | 3.03  | 51   | 98139m   | 0.830   | ppbv   |        |
| 4) Chloromethane           | 3.18  | 50   | 24950    | 0.362   | ppbv   | 89     |
| 9) Propene                 | 3.05  | 41   | 2675349  | 52.139  | ppbv   | 98     |
| 10) Heptane                | 8.27  | 43   | 168563   | 0.896   | ppbv   | 99     |
| 11) Trichlorofluoromethane | 4.03  | 101  | 32723m   | 0.209   | ppbv   |        |
| 13) Ethanol                | 3.68  | 45   | 986001   | 63.928  | ppbv   | 98     |
| 15) Acetone                | 3.92  | 43   | 19955332 | 159.858 | ppbv # | 64     |
| 17) tert-Butyl alcohol     | 4.39  | 59   | 847361   | 54.018  | ppbv # | 100    |
| 19) Isopropyl Alcohol      | 4.06  | 45   | 781059   | 8.983   | ppbv # | 93     |
| 20) Methylene Chloride     | 4.44  | 84   | 1104371  | 18.269  | ppbv   | 99     |
| 26) Hexane                 | 5.80  | 57   | 323169   | 2.362   | ppbv # | 49     |
| 27) Carbon Disulfide       | 4.64  | 76   | 398276   | 2.708   | ppbv   | 96     |
| 34) 2-Butanone             | 5.35  | 43   | 15010842 | 80.773  | ppbv # | 88     |
| 35) Carbon Tetrachloride   | 7.17  | 117  | 11956m   | 0.055   | ppbv   |        |
| 36) Benzene                | 7.04  | 78   | 215633   | 0.855   | ppbv   | 94     |
| 50) 4-Methyl-2-Pentanone   | 8.90  | 43   | 98969m   | 0.339   | ppbv   |        |
| 51) 2-Hexanone             | 10.29 | 43   | 4044664  | 16.742  | ppbv # | 96     |
| 52) Tetrachloroethene      | 11.41 | 164  | 113460m  | 1.292   | ppbv   |        |
| 53) Toluene                | 9.98  | 91   | 1539965  | 5.011   | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.90 | 91   | 79061    | 0.201   | ppbv   | 95     |
| 59) m/p-Xylene             | 13.15 | 91   | 167742   | 0.478   | ppbv   | 98     |
| 60) o-Xylene               | 13.88 | 91   | 63688m   | 0.186   | ppbv   |        |
| 61) Styrene                | 13.71 | 104  | 41623m   | 0.186   | ppbv   |        |

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

