

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\  
 Data File : VL032858.D  
 Acq On : 30 Nov 2018 20:59  
 Operator : SY/AP  
 Sample : J6132-03  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 DSV-02

Manual Integrations  
 APPROVED

apatel  
 12/4/2018 4:11:18 PM

Quant Time: Dec 03 14:53:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 1  
 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   | 1362628  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 3519925  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.25 | 117  | 3398727  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 2599690  | 10.23    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.30% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.08  | 85   | 57548    | 0.294  | ppbv   | 95     |
| 3) Chlorodifluoromethane   | 3.02  | 51   | 36732m   | 0.340  | ppbv   |        |
| 4) Chloromethane           | 3.17  | 50   | 20436    | 0.341  | ppbv   | 90     |
| 9) Propene                 | 3.04  | 41   | 3033832  | 70.176 | ppbv   | 95     |
| 10) Heptane                | 8.26  | 43   | 57117    | 0.346  | ppbv   | 98     |
| 11) Trichlorofluoromethane | 4.01  | 101  | 58436    | 0.317  | ppbv   | 93     |
| 13) Ethanol                | 3.66  | 45   | 879060   | 62.080 | ppbv   | 99     |
| 15) Acetone                | 3.90  | 43   | 1893822  | 15.219 | ppbv # | 81     |
| 20) Methylene Chloride     | 4.42  | 84   | 136923   | 2.125  | ppbv   | 95     |
| 26) Hexane                 | 5.79  | 57   | 469749   | 3.638  | ppbv # | 45     |
| 27) Carbon Disulfide       | 4.63  | 76   | 567399   | 3.466  | ppbv   | 99     |
| 30) Cyclohexane            | 7.26  | 84   | 223951   | 1.983  | ppbv   | 85     |
| 34) 2-Butanone             | 5.34  | 43   | 1918245  | 10.507 | ppbv   | 100    |
| 35) Carbon Tetrachloride   | 7.14  | 117  | 19984m   | 0.071  | ppbv   |        |
| 36) Benzene                | 7.01  | 78   | 766470   | 2.734  | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane | 8.00  | 57   | 674673   | 1.440  | ppbv # | 85     |
| 51) 2-Hexanone             | 10.28 | 43   | 149003   | 0.811  | ppbv # | 95     |
| 52) Tetrachloroethene      | 11.38 | 164  | 12328m   | 0.126  | ppbv   |        |
| 53) Toluene                | 9.96  | 91   | 853505   | 2.919  | ppbv   | 100    |
| 58) Ethyl Benzene          | 12.87 | 91   | 336082   | 0.822  | ppbv   | 99     |
| 59) m/p-Xylene             | 13.13 | 91   | 1227661  | 3.372  | ppbv   | 99     |
| 60) o-Xylene               | 13.86 | 91   | 545866   | 1.491  | ppbv   | 99     |
| 61) Styrene                | 13.70 | 104  | 45413m   | 0.191  | ppbv   |        |
| 64) n-propylbenzene        | 15.73 | 120  | 37111m   | 0.285  | ppbv   |        |
| 69) p-Isopropyltoluene     | 17.82 | 119  | 344140   | 0.677  | ppbv # | 92     |
| 70) n-Butylbenzene         | 18.73 | 91   | 68007    | 0.132  | ppbv # | 70     |
| 72) 4-Ethyltoluene         | 16.01 | 105  | 269298   | 0.671  | ppbv   | 97     |
| 73) 1,3,5-Trimethylbenzene | 16.17 | 105  | 200905m  | 0.512  | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene | 16.94 | 105  | 971543   | 2.314  | ppbv # | 70     |
| 79) Naphthalene            | 22.43 | 128  | 62145m   | 0.225  | ppbv   |        |

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

