

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
 Data File : VL036671.D  
 Acq On : 3 Apr 2021 8:24  
 Operator : SY/AP  
 Sample : M1853-01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SOFF-SG-01

Manual Integrations  
 APPROVED

MMDadoda  
 4/5/2021 6:46:46 PM

Quant Time: Apr 04 18:53:34 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 2021  
 QLast Update : Thu Mar 25 09:42:40 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 1060104  | 10.00 | ppbv  | -0.04    |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 2788672  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 2571447  | 10.00 | ppbv  | -0.04    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.38  | 95    | 2137656  | 10.43    | ppbv | -0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.30% |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane | 3.02  | 85   | 32059    | 0.185   | ppbv   | 93     |
| 3) Chlorodifluoromethane   | 2.97  | 51   | 177521m  | 0.896   | ppbv   |        |
| 4) Chloromethane           | 3.12  | 50   | 12694    | 0.181   | ppbv   | 99     |
| 9) Propene                 | 3.00  | 41   | 26296    | 0.416   | ppbv   | 87     |
| 10) Heptane                | 8.10  | 43   | 70883m   | 0.441   | ppbv   |        |
| 11) Trichlorofluoromethane | 3.93  | 101  | 37509    | 0.213   | ppbv   | 84     |
| 13) Ethanol                | 3.60  | 45   | 2114429  | 281.202 | ppbv   | 91     |
| 15) Acetone                | 3.82  | 43   | 3045919  | 29.193  | ppbv   | 98     |
| 16) 1,3-Butadiene          | 3.30  | 39   | 3230     | 0.044   | ppbv # | 73     |
| 17) tert-Butyl alcohol     | 4.28  | 59   | 2650043  | 29.176  | ppbv   | 99     |
| 19) Isopropyl Alcohol      | 3.96  | 45   | 3274879  | 57.057  | ppbv # | 91     |
| 20) Methylene Chloride     | 4.32  | 84   | 2220769  | 45.459  | ppbv   | 97     |
| 26) Hexane                 | 5.66  | 57   | 1926834  | 16.738  | ppbv # | 46     |
| 30) Cyclohexane            | 7.10  | 84   | 14464m   | 0.155   | ppbv   |        |
| 34) 2-Butanone             | 5.22  | 43   | 246936   | 1.814   | ppbv   | 99     |
| 35) Carbon Tetrachloride   | 6.98  | 117  | 9371m    | 0.044   | ppbv   |        |
| 36) Benzene                | 6.86  | 78   | 37609    | 0.146   | ppbv # | 87     |
| 40) 1,4-Dioxane            | 7.80  | 88   | 46344    | 1.909   | ppbv # | 1      |
| 44) 2,2,4-Trimethylpentane | 7.83  | 57   | 212559   | 0.470   | ppbv # | 93     |
| 50) 4-Methyl-2-Pentanone   | 8.72  | 43   | 63097m   | 0.320   | ppbv   |        |
| 51) 2-Hexanone             | 10.10 | 43   | 393903   | 3.963   | ppbv # | 96     |
| 52) Tetrachloroethene      | 11.19 | 164  | 30393m   | 0.321   | ppbv   |        |
| 53) Toluene                | 9.77  | 91   | 248016   | 0.906   | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.68 | 91   | 624495   | 1.669   | ppbv   | 96     |
| 59) m/p-Xylene             | 12.93 | 91   | 3227462  | 9.891   | ppbv   | 96     |
| 60) o-Xylene               | 13.66 | 91   | 1645610  | 5.216   | ppbv   | 100    |
| 62) Isopropylbenzene       | 14.64 | 105  | 231752   | 0.545   | ppbv   | 99     |
| 64) n-propylbenzene        | 15.54 | 120  | 136490m  | 1.314   | ppbv   |        |
| 65) tert-Butylbenzene      | 16.74 | 119  | 448127m  | 1.216   | ppbv   |        |
| 67) sec-Butylbenzene       | 17.28 | 105  | 797737   | 1.534   | ppbv   | 100    |
| 69) p-Isopropyltoluene     | 17.63 | 119  | 638367   | 1.572   | ppbv   | 98     |
| 70) n-Butylbenzene         | 18.54 | 91   | 1170426  | 2.780   | ppbv # | 40     |
| 72) 4-Ethyltoluene         | 15.82 | 105  | 692588   | 2.003   | ppbv   | 98     |
| 73) 1,3,5-Trimethylbenzene | 15.97 | 105  | 1290872  | 4.001   | ppbv   | 99     |
| 74) 1,2,4-Trimethylbenzene | 16.74 | 105  | 3623785  | 10.494  | ppbv # | 70     |
| 79) Naphthalene            | 22.18 | 128  | 209959   | 1.042   | ppbv   | 97     |

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

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