

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\  
 Data File : VL037106.D  
 Acq On : 2 Jun 2021 17:53  
 Operator : SY/AP  
 Sample : M2548-10  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-18A

Manual Integrations  
 APPROVED

MMDadoda  
 6/7/2021 3:00:41 PM

Quant Time: Jun 06 20:09:42 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue May 18 2021  
 QLast Update : Tue May 18 12:00:15 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1324277  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3929732  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 3584787  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 2712178  | 10.07    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.70% |

| Target Compounds           | R.T.  | QIon | Response | Conc     | Units  | Ovalue |
|----------------------------|-------|------|----------|----------|--------|--------|
| 2) Dichlorodifluoromethane | 3.04  | 85   | 58026    | 0.258    | ppbv   | 91     |
| 3) Chlorodifluoromethane   | 2.96  | 51   | 111351m  | 0.459    | ppbv   |        |
| 4) Chloromethane           | 3.13  | 50   | 50300    | 0.609    | ppbv   | 91     |
| 9) Propene                 | 3.01  | 41   | 88760m   | 1.022    | ppbv   |        |
| 10) Heptane                | 8.11  | 43   | 30850m   | 0.142    | ppbv   |        |
| 11) Trichlorofluoromethane | 3.94  | 101  | 47494    | 0.228    | ppbv   | 97     |
| 13) Ethanol                | 3.61  | 45   | 12595188 | 1086.618 | ppbv   | 97     |
| 15) Acetone                | 3.84  | 43   | 1335115m | 9.843    | ppbv   |        |
| 17) tert-Butyl alcohol     | 4.31  | 59   | 56609m   | 0.456    | ppbv   |        |
| 19) Isopropyl Alcohol      | 3.97  | 45   | 15154433 | 207.840  | ppbv # | 33     |
| 20) Methylene Chloride     | 4.33  | 84   | 695038   | 9.559    | ppbv   | 96     |
| 26) Hexane                 | 5.67  | 57   | 1016027  | 6.102    | ppbv # | 47     |
| 29) Chloroform             | 5.74  | 83   | 126966   | 0.540    | ppbv   | 92     |
| 30) Cyclohexane            | 7.11  | 84   | 20224m   | 0.143    | ppbv   |        |
| 34) 2-Butanone             | 5.23  | 43   | 119356   | 0.834    | ppbv   | 92     |
| 35) Carbon Tetrachloride   | 7.00  | 117  | 15418    | 0.059    | ppbv # | 84     |
| 36) Benzene                | 6.87  | 78   | 77284    | 0.228    | ppbv   | 98     |
| 38) Trichloroethene        | 7.82  | 130  | 40121    | 0.277    | ppbv   | 89     |
| 50) 4-Methyl-2-Pentanone   | 8.74  | 43   | 76917    | 0.326    | ppbv   | 100    |
| 52) Tetrachloroethene      | 11.21 | 164  | 5088m    | 0.038    | ppbv   |        |
| 53) Toluene                | 9.79  | 91   | 1419498  | 3.524    | ppbv   | 97     |
| 59) m/p-Xylene             | 12.95 | 91   | 97985m   | 0.234    | ppbv   |        |
| 61) Styrene                | 13.51 | 104  | 53118m   | 0.236    | ppbv   |        |

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

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