

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\  
 Data File : VL037370.D  
 Acq On : 7 Aug 2021 8:36  
 Operator : SY/AP  
 Sample : M3121-04RE  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-BEDROOM-4RE

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2021 6:10:55 PM

Quant Time: Aug 07 09:14:44 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 0  
 QLast Update : Fri Aug 06 17:52:04 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 828958   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2748899  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2297475  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 1560671  | 9.64     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.40% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.05  | 85   | 43043    | 0.229  | ppbv   | 97     |
| 3) Chlorodifluoromethane   | 2.99  | 51   | 684122   | 4.138  | ppbv   | 95     |
| 4) Chloromethane           | 3.14  | 50   | 36074m   | 0.638  | ppbv   |        |
| 9) Propene                 | 3.02  | 41   | 48881    | 0.881  | ppbv # | 80     |
| 11) Trichlorofluoromethane | 3.94  | 101  | 38421    | 0.239  | ppbv   | 88     |
| 13) Ethanol                | 3.60  | 45   | 981903   | 95.958 | ppbv   | 98     |
| 15) Acetone                | 3.84  | 43   | 1192828  | 13.808 | ppbv   | 96     |
| 17) tert-Butyl alcohol     | 4.30  | 59   | 12344m   | 0.134  | ppbv   |        |
| 19) Isopropyl Alcohol      | 3.96  | 45   | 1928335  | 36.881 | ppbv   | 100    |
| 20) Methylene Chloride     | 4.34  | 84   | 847957   | 11.721 | ppbv   | 98     |
| 26) Hexane                 | 5.68  | 57   | 451452   | 3.739  | ppbv # | 51     |
| 29) Chloroform             | 5.74  | 83   | 32752    | 0.202  | ppbv   | 84     |
| 30) Cyclohexane            | 7.12  | 84   | 13492m   | 0.143  | ppbv   |        |
| 34) 2-Butanone             | 5.24  | 43   | 75375    | 0.817  | ppbv   | 90     |
| 35) Carbon Tetrachloride   | 7.01  | 117  | 10457m   | 0.061  | ppbv   |        |
| 36) Benzene                | 6.88  | 78   | 40365m   | 0.192  | ppbv   |        |
| 44) 2,2,4-Trimethylpentane | 7.86  | 57   | 48071m   | 0.136  | ppbv   |        |
| 52) Tetrachloroethene      | 11.21 | 164  | 35467m   | 0.353  | ppbv   |        |
| 53) Toluene                | 9.80  | 91   | 408399   | 1.663  | ppbv   | 98     |
| 59) m/p-Xylene             | 12.95 | 91   | 63419m   | 0.243  | ppbv   |        |
| 60) o-Xylene               | 13.68 | 91   | 28930    | 0.120  | ppbv   | 98     |
| 72) 4-Ethyltoluene         | 15.83 | 105  | 35041m   | 0.122  | ppbv   |        |
| 73) 1,3,5-Trimethylbenzene | 15.98 | 105  | 37599    | 0.139  | ppbv   | 90     |
| 74) 1,2,4-Trimethylbenzene | 16.74 | 105  | 111452   | 0.393  | ppbv # | 69     |
| 76) 1,4-Dichlorobenzene    | 17.12 | 146  | 40288m   | 0.229  | ppbv   |        |

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

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