

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\  
 Data File : VL036353.D  
 Acq On : 24 Feb 2021 16:42  
 Operator : SY/AP  
 Sample : M1463-03  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 NS-12

Manual Integrations  
 APPROVED

MMDadoda  
 2/26/2021 4:17:06 PM

Quant Time: Feb 26 13:57:39 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Feb 10 16:04:02 2021  
 QLast Update : Wed Feb 10 16:04:02 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1631329  | 10.00 | ppbv  | 0.03     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 3625241  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 3247759  | 10.00 | ppbv  | 0.04     |

| System Monitoring Compounds |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 2590504  | 9.69     | ppbv | 0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.90% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.05  | 85   | 44409    | 0.182  | ppbv   | 100    |
| 3) Chlorodifluoromethane   | 2.99  | 51   | 63699m   | 0.314  | ppbv   |        |
| 4) Chloromethane           | 3.14  | 50   | 51305    | 0.524  | ppbv   | 93     |
| 9) Propene                 | 3.02  | 41   | 71887    | 0.951  | ppbv # | 80     |
| 11) Trichlorofluoromethane | 3.95  | 101  | 48873    | 0.205  | ppbv   | 95     |
| 13) Ethanol                | 3.62  | 45   | 512831m  | 36.129 | ppbv   |        |
| 15) Acetone                | 3.86  | 43   | 649995   | 3.260  | ppbv   | 97     |
| 19) Isopropyl Alcohol      | 3.99  | 45   | 165142m  | 1.495  | ppbv   |        |
| 20) Methylene Chloride     | 4.35  | 84   | 2706978  | 42.077 | ppbv   | 95     |
| 26) Hexane                 | 5.69  | 57   | 689069   | 4.356  | ppbv # | 39     |
| 35) Carbon Tetrachloride   | 7.03  | 117  | 16116m   | 0.066  | ppbv   |        |
| 36) Benzene                | 6.90  | 78   | 70064    | 0.228  | ppbv   | 94     |
| 53) Toluene                | 9.82  | 91   | 91787m   | 0.275  | ppbv   |        |
| 59) m/p-Xylene             | 12.98 | 91   | 38481m   | 0.099  | ppbv   |        |

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

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