

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\  
 Data File : VL037084.D  
 Acq On : 2 Jun 2021 00:16  
 Operator : SY/AP  
 Sample : M2548-03  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 AA-3

Manual Integrations  
 APPROVED

MMDadoda  
 6/7/2021 2:59:21 PM

Quant Time: Jun 02 04:23:21 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  
 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   | 1306654  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3925364  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 3493000  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2637773  | 10.05    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.50% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.04  | 85   | 57751    | 0.261  | ppbv   | 94     |
| 3) Chlorodifluoromethane   | 2.98  | 51   | 87190    | 0.364  | ppbv   | 95     |
| 4) Chloromethane           | 3.13  | 50   | 43509    | 0.534  | ppbv   | 93     |
| 9) Propene                 | 3.01  | 41   | 32129    | 0.375  | ppbv   | 85     |
| 11) Trichlorofluoromethane | 3.93  | 101  | 49630    | 0.242  | ppbv   | 84     |
| 13) Ethanol                | 3.60  | 45   | 238727   | 20.873 | ppbv   | 91     |
| 15) Acetone                | 3.83  | 43   | 2677349  | 20.005 | ppbv   | 97     |
| 19) Isopropyl Alcohol      | 3.98  | 45   | 73088m   | 1.016  | ppbv   |        |
| 20) Methylene Chloride     | 4.33  | 84   | 1496069  | 20.854 | ppbv   | 98     |
| 26) Hexane                 | 5.67  | 57   | 1390515  | 8.464  | ppbv # | 47     |
| 34) 2-Butanone             | 5.23  | 43   | 80979    | 0.567  | ppbv # | 85     |
| 35) Carbon Tetrachloride   | 7.01  | 117  | 13975m   | 0.054  | ppbv   |        |
| 36) Benzene                | 6.88  | 78   | 40635m   | 0.120  | ppbv   |        |
| 44) 2,2,4-Trimethylpentane | 7.85  | 57   | 69727    | 0.120  | ppbv # | 78     |
| 50) 4-Methyl-2-Pentanone   | 8.75  | 43   | 82237m   | 0.349  | ppbv   |        |
| 53) Toluene                | 9.79  | 91   | 1279850  | 3.181  | ppbv   | 98     |
| 59) m/p-Xylene             | 12.94 | 91   | 57468m   | 0.141  | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene | 16.74 | 105  | 53365    | 0.119  | ppbv # | 76     |

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

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