

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\  
 Data File : VL034958.D  
 Acq On : 7 May 2020 6:47  
 Operator : SY/AP  
 Sample : L2507-03  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-1

Manual Integrations  
 APPROVED

MMDadoda  
 5/7/2020 2:32:38 PM

Quant Time: May 07 10:52:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed May 0  
 QLast Update : Wed May 06 14:49:39 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1099373  | 10.00 | ppbv  | 0.01     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 2448231  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.13 | 117  | 2412074  | 10.00 | ppbv  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 2006985  | 10.28    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.80% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.02  | 85   | 37519    | 0.240  | ppbv   | 95     |
| 3) Chlorodifluoromethane   | 2.95  | 51   | 17873    | 0.142  | ppbv   | 97     |
| 9) Propene                 | 2.98  | 41   | 330318   | 6.065  | ppbv # | 80     |
| 10) Heptane                | 8.14  | 43   | 252404   | 1.850  | ppbv   | 98     |
| 11) Trichlorofluoromethane | 3.93  | 101  | 33909m   | 0.211  | ppbv   |        |
| 13) Ethanol                | 3.58  | 45   | 85776    | 4.773  | ppbv   | 96     |
| 15) Acetone                | 3.82  | 43   | 13253404 | 91.188 | ppbv # | 52     |
| 17) tert-Butyl alcohol     | 4.28  | 59   | 249430   | 1.929  | ppbv   | 99     |
| 20) Methylene Chloride     | 4.33  | 84   | 20272m   | 0.421  | ppbv   |        |
| 26) Hexane                 | 5.68  | 57   | 189755   | 1.793  | ppbv # | 27     |
| 29) Chloroform             | 5.76  | 83   | 103800   | 0.599  | ppbv   | 92     |
| 30) Cyclohexane            | 7.14  | 84   | 12952m   | 0.159  | ppbv   |        |
| 34) 2-Butanone             | 5.24  | 43   | 2933375  | 19.278 | ppbv   | 99     |
| 36) Benzene                | 6.91  | 78   | 101872   | 0.505  | ppbv # | 89     |
| 44) 2,2,4-Trimethylpentane | 7.89  | 57   | 1103900  | 3.076  | ppbv   | 98     |
| 51) 2-Hexanone             | 10.15 | 43   | 1158396  | 6.826  | ppbv # | 98     |
| 52) Tetrachloroethene      | 11.25 | 164  | 14894m   | 0.208  | ppbv   |        |
| 53) Toluene                | 9.83  | 91   | 974180   | 4.553  | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.75 | 91   | 450668   | 1.511  | ppbv   | 98     |
| 59) m/p-Xylene             | 13.01 | 91   | 1601185  | 6.101  | ppbv # | 59     |
| 60) o-Xylene               | 13.73 | 91   | 681463   | 2.632  | ppbv   | 99     |
| 62) Isopropylbenzene       | 14.72 | 105  | 60113m   | 0.155  | ppbv   |        |
| 64) n-propylbenzene        | 15.61 | 120  | 45805m   | 0.462  | ppbv   |        |
| 65) tert-Butylbenzene      | 16.82 | 119  | 102859   | 0.307  | ppbv # | 70     |
| 72) 4-Ethyltoluene         | 15.89 | 105  | 271034   | 0.938  | ppbv # | 89     |
| 73) 1,3,5-Trimethylbenzene | 16.05 | 105  | 216215m  | 0.769  | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene | 16.82 | 105  | 878227m  | 2.862  | ppbv   |        |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050620\  
Data File : VL034958.D  
Acq On : 7 May 2020 6:47  
Operator : SY/AP  
Sample : L2507-03  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-1

Manual Integrations  
APPROVED

MMDadoda  
5/7/2020 2:32:38 PM

Quant Time: May 07 10:52:38 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed May  
QLast Update : Wed May 06 14:49:39 2020  
Response via : Initial Calibration

