

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051623\  
 Data File : VL040445.D  
 Acq On : 16 May 2023 19:48  
 Operator : SY/MD  
 Sample : 02793-04 8X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-4

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/17/2023  
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:17:02 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL051623AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Wed May 17 05:12:40 2023

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.208  | 49    | 1047541  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.674  | 114   | 2787081  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.494 | 117   | 2464420  | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.802 | 95    | 1908559  | 9.631    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 96.300%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 3) Chlorodifluoromethane    | 2.681  | 51    | 13453m   | 0.099    | ppbv   |          |
| 4) Chloromethane            | 2.819  | 50    | 10291    | 0.122    | ppbv   | 89       |
| 9) Propene                  | 2.710  | 41    | 113391m  | 2.154    | ppbv   |          |
| 10) Heptane                 | 7.603  | 43    | 289645   | 2.382    | ppbv   | 99       |
| 13) Ethanol                 | 3.247  | 45    | 363891   | 91.231   | ppbv   | 97       |
| 15) Acetone                 | 3.475  | 43    | 930692   | 7.023    | ppbv # | 70       |
| 18) 1,1-Dichloroethene      | 3.893  | 96    | 63590    | 1.059    | ppbv   | 98       |
| 19) Isopropyl Alcohol       | 3.591  | 45    | 67433m   | 1.045    | ppbv   |          |
| 20) Methylene Chloride      | 3.944  | 84    | 1473775  | 24.965   | ppbv   | 99       |
| 24) 1,1-Dichloroethane      | 4.578  | 63    | 126855   | 1.012    | ppbv   | 98       |
| 26) Hexane                  | 5.230  | 57    | 1152782  | 11.142   | ppbv # | 35       |
| 27) Carbon Disulfide        | 4.137  | 76    | 47242    | 0.347    | ppbv # | 83       |
| 29) Chloroform              | 5.288  | 83    | 32011m   | 0.170    | ppbv   |          |
| 30) Cyclohexane             | 6.626  | 84    | 186388   | 2.215    | ppbv   | 92       |
| 32) 1,1,1-Trichloroethane   | 6.025  | 97    | 1104704  | 5.637    | ppbv   | 100      |
| 34) 2-Butanone              | 4.809  | 43    | 96737m   | 0.652    | ppbv   |          |
| 36) Benzene                 | 6.391  | 78    | 431044   | 1.904    | ppbv   | 95       |
| 41) Tetrahydrofuran         | 5.587  | 42    | 30754m   | 0.374    | ppbv   |          |
| 44) 2,2,4-Trimethylpentane  | 7.349  | 57    | 247360   | 0.660    | ppbv # | 28       |
| 52) Tetrachloroethene       | 10.642 | 164   | 4132m    | 0.054    | ppbv   |          |
| 53) Toluene                 | 9.246  | 91    | 1246723  | 5.214    | ppbv   | 99       |
| 58) Ethyl Benzene           | 12.118 | 91    | 432940   | 1.388    | ppbv   | 95       |
| 59) m/p-Xylene              | 12.372 | 91    | 1344277  | 4.726    | ppbv   | 93       |
| 60) o-Xylene                | 13.085 | 91    | 562328   | 2.077    | ppbv   | 99       |
| 62) Isopropylbenzene        | 14.050 | 105   | 100589m  | 0.254    | ppbv   |          |
| 64) n-propylbenzene         | 14.944 | 120   | 53702    | 0.550    | ppbv   | 85       |
| 67) sec-Butylbenzene        | 16.664 | 105   | 77329    | 0.155    | ppbv   | 99       |
| 69) p-Isopropyltoluene      | 17.018 | 119   | 50112m   | 0.128    | ppbv   |          |
| 70) n-Butylbenzene          | 17.921 | 91    | 118261m  | 0.270    | ppbv   |          |
| 72) 4-Ethyltoluene          | 15.217 | 105   | 264371m  | 0.861    | ppbv   |          |
| 73) 1,3,5-Trimethylbenzene  | 15.378 | 105   | 260798   | 0.925    | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene  | 16.137 | 105   | 753953   | 2.325    | ppbv # | 70       |
| -----                       |        |       |          |          |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051623\  
Data File : VL040445.D  
Acq On : 16 May 2023 19:48  
Operator : SY/MD  
Sample : 02793-04 8X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-4

Quant Time: May 17 05:17:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL051623AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Wed May 17 05:12:40 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By : Semsettin Yesilyurt 05/17/2023  
Supervised By : Mahesh Dadoda 05/17/2023

