

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032124\  
 Data File : VX040743.D  
 Acq On : 21 Mar 2024 14:46  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX032124

Quant Time: Mar 22 02:54:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:41:46 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.647 | 0.722 | -11.6 | 107   | 0.00     |
| 3 P   | Chloromethane               | 0.662 | 0.631 | 4.7   | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.627 | 0.653 | -4.1# | 99    | 0.00     |
| 5 T   | Bromomethane                | 0.422 | 0.469 | -11.1 | 93    | 0.00     |
| 6 T   | Chloroethane                | 0.440 | 0.434 | 1.4   | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.096 | 1.221 | -11.4 | 107   | 0.00     |
| 8 T   | Diethyl Ether               | 0.352 | 0.351 | 0.3   | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.631 | 0.658 | -4.3  | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 0.835 | 0.922 | -10.4 | 110   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.135 | 0.158 | -17.0 | 118   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.591 | 0.615 | -4.1# | 103   | 0.00     |
| 13 T  | Acrolein                    | 0.080 | 0.094 | -17.5 | 124   | 0.00     |
| 14 T  | Allyl chloride              | 1.058 | 1.120 | -5.9  | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 0.332 | 0.362 | -9.0  | 105   | 0.00     |
| 16 T  | Acetone                     | 0.298 | 0.316 | -6.0  | 109   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.696 | 1.692 | 0.2   | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 0.798 | 0.802 | -0.5  | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.038 | 2.181 | -7.0  | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 0.651 | 0.678 | -4.1  | 103   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.623 | 0.636 | -2.1  | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.065 | 2.211 | -7.1  | 104   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.952 | 2.125 | -8.9  | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.186 | 1.237 | -4.3  | 103   | 0.00     |
| 25 T  | 2-Butanone                  | 0.466 | 0.515 | -10.5 | 107   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.035 | 1.130 | -9.2  | 104   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.722 | 0.751 | -4.0  | 103   | 0.00     |
| 28 T  | Bromochloromethane          | 0.543 | 0.529 | 2.6   | 106   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.310 | 0.343 | -10.6 | 110   | 0.00     |
| 30 C  | Chloroform                  | 1.270 | 1.350 | -6.3# | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 0.999 | 1.047 | -4.8  | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.092 | 1.226 | -12.3 | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.841 | 0.872 | -3.7  | 120   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 114   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.374 | 0.356 | 4.8   | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.551 | 0.561 | -1.8  | 110   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.626 | 0.638 | -1.9  | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.620 | 0.633 | -2.1  | 109   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.610 | 0.618 | -1.3  | 102   | 0.00     |
| 40 TM | Benzene                     | 1.521 | 1.552 | -2.0  | 114   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.323 | 0.348 | -7.7  | 107   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.616 | 0.662 | -7.5  | 119   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.982 | 1.063 | -8.2  | 113   | 0.00     |
| 44 TM | Trichloroethene             | 0.365 | 0.375 | -2.7  | 107   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.357 | 0.356 | 0.3#  | 102   | 0.00     |
| 46 T  | Dibromomethane              | 0.283 | 0.273 | 3.5   | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.578 | 0.565 | 2.2   | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.449 | 0.463 | -3.1  | 105   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICSVVX032124

Quant Time: Mar 22 02:54:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:41:46 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.008 | 0.008 | 0.0   | 114   | 0.00     |
| 50 S  | Toluene-d8                  | 1.281 | 1.268 | 1.0   | 110   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.609 | 0.662 | -8.7  | 112   | 0.00     |
| 52 CM | Toluene                     | 0.907 | 0.937 | -3.3# | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.597 | 0.622 | -4.2  | 107   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.618 | 0.641 | -3.7  | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.369 | 0.386 | -4.6  | 109   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.618 | 0.684 | -10.7 | 109   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.630 | 0.671 | -6.5  | 110   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.324 | 0.267 | 17.6  | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.472 | 0.526 | -11.4 | 117   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.434 | 0.459 | -5.8  | 109   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.390 | 0.427 | -9.5  | 114   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.506 | 0.445 | 12.1  | 100   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.372 | 0.376 | -1.1  | 107   | 0.00     |
| 65 PM | Chlorobenzene               | 1.134 | 1.190 | -4.9  | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.386 | 0.396 | -2.6  | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 2.031 | 2.052 | -1.0# | 101   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.744 | 0.732 | 1.6   | 98    | 0.00     |
| 69 T  | o-Xylene                    | 0.714 | 0.696 | 2.5   | 96    | 0.00     |
| 70 T  | Styrene                     | 1.196 | 1.218 | -1.8  | 100   | 0.00     |
| 71 P  | Bromoform                   | 0.315 | 0.319 | -1.3  | 105   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.794 | 3.895 | -2.7  | 106   | 0.00     |
| 74 T  | N-amyl acetate              | 1.868 | 2.014 | -7.8  | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.284 | 1.230 | 4.2   | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.075 | 1.048 | 2.5   | 98    | 0.00     |
| 77 T  | Bromobenzene                | 0.918 | 0.886 | 3.5   | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 4.678 | 4.503 | 3.7   | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.699 | 2.674 | 0.9   | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.180 | 3.163 | 0.5   | 100   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.425 | 0.442 | -4.0  | 105   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.385 | 3.217 | 5.0   | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.190 | 3.249 | -1.8  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.201 | 3.356 | -4.8  | 107   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.056 | 4.211 | -3.8  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.364 | 3.643 | -8.3  | 110   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.754 | 1.822 | -3.9  | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.862 | 1.864 | -0.1  | 108   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.392 | 3.631 | -7.0  | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 0.586 | 0.632 | -7.8  | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.723 | 1.780 | -3.3  | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.321 | 0.326 | -1.6  | 105   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.224 | 1.247 | -1.9  | 102   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.483 | 0.483 | 0.0   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 3.874 | 4.142 | -6.9  | 108   | 0.00     |

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Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX032124

Quant Time: Mar 22 02:54:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 22 02:41:46 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.203 | 1.184 | 1.6  | 105   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6