

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW070720\  
 Data File : VW015800.D  
 Acq On : 07 Jul 2020 19:15  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 08 09:15:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 08:28:05 2020  
 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.263 | 0.254 | 3.4   | 94    | 0.00     |
| 3 P   | Chloromethane               | 0.358 | 0.303 | 15.4  | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.552 | 0.517 | 6.3#  | 96    | 0.00     |
| 5 T   | Bromomethane                | 0.422 | 0.381 | 9.7   | 96    | 0.00     |
| 6 T   | Chloroethane                | 0.373 | 0.352 | 5.6   | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.397 | 0.400 | -0.8  | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 0.247 | 0.242 | 2.0   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.465 | 0.458 | 1.5   | 98    | 0.00     |
| 10 T  | Methyl Iodide               | 0.649 | 0.652 | -0.5  | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.029 | 0.032 | -10.3 | 110   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 0.457 | 0.445 | 2.6#  | 97    | 0.00     |
| 13 T  | Acrolein                    | 0.036 | 0.034 | 5.6   | 91    | 0.00     |
| 14 T  | Allyl chloride              | 0.742 | 0.754 | -1.6  | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 0.097 | 0.104 | -7.2  | 101   | 0.00     |
| 16 T  | Acetone                     | 0.096 | 0.097 | -1.0  | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.359 | 1.310 | 3.6   | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 0.219 | 0.229 | -4.6  | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 0.684 | 0.732 | -7.0  | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 0.559 | 0.545 | 2.5   | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.529 | 0.520 | 1.7   | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.496 | 1.547 | -3.4  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.890 | 0.948 | -6.5  | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.947 | 0.930 | 1.8   | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 0.131 | 0.138 | -5.3  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.594 | 0.565 | 4.9   | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.568 | 0.575 | -1.2  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 0.375 | 0.363 | 3.2   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.079 | 0.088 | -11.4 | 103   | 0.00     |
| 30 C  | Chloroform                  | 0.968 | 0.948 | 2.1#  | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 0.891 | 0.838 | 5.9   | 98    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.812 | 0.800 | 1.5   | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.515 | 0.507 | 1.6   | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.292 | 0.280 | 4.1   | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.493 | 0.474 | 3.9   | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.192 | 0.196 | -2.1  | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.477 | 0.456 | 4.4   | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.582 | 0.582 | 0.0   | 97    | 0.00     |
| 40 TM | Benzene                     | 1.350 | 1.310 | 3.0   | 97    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.109 | 0.113 | -3.7  | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.420 | 0.418 | 0.5   | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.374 | 0.390 | -4.3  | 102   | 0.00     |
| 44 TM | Trichloroethene             | 0.357 | 0.343 | 3.9   | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.332 | 0.330 | 0.6#  | 99    | 0.00     |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
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|       | Compound                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 46 T  | Dibromomethane              | 0.171 | 0.171 | 0.0   | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.442 | 0.446 | -0.9  | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.171 | 0.181 | -5.8  | 98    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 0.002 | 0.002 | 0.0   | 107   | -0.01    |
| 50 S  | Toluene-d8                  | 1.120 | 1.082 | 3.4   | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.182 | 0.196 | -7.7  | 102   | 0.00     |
| 52 CM | Toluene                     | 0.869 | 0.858 | 1.3#  | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.424 | 0.444 | -4.7  | 99    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.507 | 0.516 | -1.8  | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.237 | 0.239 | -0.8  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.291 | 0.317 | -8.9  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.419 | 0.428 | -2.1  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.142 | 0.146 | -2.8  | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.122 | 0.136 | -11.5 | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.274 | 0.285 | -4.0  | 102   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.227 | 0.233 | -2.6  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.411 | 0.415 | -1.0  | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.316 | 0.306 | 3.2   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 0.978 | 0.973 | 0.5   | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.346 | 0.348 | -0.6  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.811 | 1.831 | -1.1# | 99    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.680 | 0.699 | -2.8  | 100   | 0.00     |
| 69 T  | o-Xylene                    | 0.621 | 0.642 | -3.4  | 99    | 0.00     |
| 70 T  | Styrene                     | 1.068 | 1.145 | -7.2  | 102   | 0.00     |
| 71 P  | Bromoform                   | 0.158 | 0.170 | -7.6  | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.522 | 3.445 | 2.2   | 100   | 0.00     |
| 74 T  | N-amyl acetate              | 0.754 | 0.788 | -4.5  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.585 | 0.576 | 1.5   | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.439 | 0.422 | 3.9   | 101   | 0.00     |
| 77 T  | Bromobenzene                | 0.790 | 0.744 | 5.8   | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 4.276 | 4.162 | 2.7   | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.438 | 2.357 | 3.3   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.002 | 2.951 | 1.7   | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.172 | 0.174 | -1.2  | 100   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.546 | 2.450 | 3.8   | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.492 | 2.431 | 2.4   | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.998 | 2.978 | 0.7   | 101   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.600 | 3.575 | 0.7   | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.287 | 3.238 | 1.5   | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.583 | 1.539 | 2.8   | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.550 | 1.518 | 2.1   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.146 | 3.129 | 0.5   | 100   | 0.00     |

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|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 90 T | Hexachloroethane            | 0.596 | 0.582 | 2.3   | 99    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 1.372 | 1.355 | 1.2   | 101   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.094 | 0.096 | -2.1  | 103   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 0.865 | 0.911 | -5.3  | 106   | 0.00     |
| 94 T | Hexachlorobutadiene         | 0.549 | 0.518 | 5.6   | 99    | 0.00     |
| 95 T | Naphthalene                 | 1.445 | 1.610 | -11.4 | 108   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 0.736 | 0.777 | -5.6  | 109   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6