

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041125\  
 Data File : VY021850.D  
 Acq On : 11 Apr 2025 09:18  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 12 02:44:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 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	125	0.00
2 T	Dichlorodifluoromethane	0.518	0.500	3.5	123	0.00
3 P	Chloromethane	0.729	0.591	18.9	107	0.00
4 C	Vinyl Chloride	0.824	0.724	12.1#	113	0.00
5 T	Bromomethane	0.562	0.463	17.6	113	0.00
6 T	Chloroethane	0.539	0.483	10.4	118	0.00
7 T	Trichlorofluoromethane	1.056	1.051	0.5	129	0.00
8 T	Diethyl Ether	0.287	0.281	2.1	127	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.581	-4.3	135	0.00
10 T	Methyl Iodide	0.611	0.720	-17.8	137	0.00
11 T	Tert butyl alcohol	0.035	0.029	17.1	107	0.00
12 CM	1,1-Dichloroethene	0.524	0.541	-3.2#	131	0.00
13 T	Acrolein	0.064	0.016	75.0#	32#	0.00
14 T	Allyl chloride	0.836	0.825	1.3	123	0.00
15 T	Acrylonitrile	0.120	0.108	10.0	111	0.00
16 T	Acetone	0.111	0.094	15.3	110	0.00
17 T	Carbon Disulfide	1.727	1.635	5.3	120	0.00
18 T	Methyl Acetate	0.275	0.290	-5.5	136	0.00
19 T	Methyl tert-butyl Ether	1.306	1.320	-1.1	124	0.00
20 T	Methylene Chloride	0.626	0.581	7.2	128	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.594	-2.9	131	0.00
22 T	Diisopropyl ether	1.754	1.752	0.1	121	0.00
23 T	Vinyl Acetate	1.026	0.940	8.4	110	0.00
24 P	1,1-Dichloroethane	1.049	1.065	-1.5	128	0.00
25 T	2-Butanone	0.158	0.139	12.0	109	0.00
26 T	2,2-Dichloropropane	0.933	0.976	-4.6	132	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.680	-4.8	130	0.00
28 T	Bromochloromethane	0.442	0.405	8.4	119	0.00
29 T	Tetrahydrofuran	0.102	0.089	12.7	105	0.00
30 C	Chloroform	1.091	1.112	-1.9#	128	0.00
31 T	Cyclohexane	0.956	0.919	3.9	125	0.00
32 T	1,1,1-Trichloroethane	0.986	1.021	-3.5	132	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.511	5.7	116	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	120	0.00
35 S	Dibromofluoromethane	0.324	0.349	-7.7	123	0.00
36 T	1,1-Dichloropropene	0.494	0.532	-7.7	127	0.00
37 T	Ethyl Acetate	0.233	0.214	8.2	109	0.00
38 T	Carbon Tetrachloride	0.566	0.635	-12.2	135	0.00
39 T	Methylcyclohexane	0.590	0.661	-12.0	128	0.00
40 TM	Benzene	1.479	1.585	-7.2	127	0.00
41 T	Methacrylonitrile	0.124	0.130	-4.8	114	-0.01
42 TM	1,2-Dichloroethane	0.417	0.424	-1.7	121	0.00
43 T	Isopropyl Acetate	0.442	0.421	4.8	112	0.00
44 TM	Trichloroethene	0.377	0.432	-14.6	138	0.00
45 C	1,2-Dichloropropane	0.350	0.373	-6.6#	127	0.00
46 T	Dibromomethane	0.202	0.207	-2.5	125	0.00
47 T	Bromodichloromethane	0.523	0.552	-5.5	126	0.00
48 T	Methyl methacrylate	0.203	0.204	-0.5	116	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	120	0.00
50 S	Toluene-d8	1.234	1.339	-8.5	123	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.221	3.9	110	0.00
52 CM	Toluene	0.923	1.019	-10.4#	128	0.00
53 T	t-1,3-Dichloropropene	0.465	0.489	-5.2	121	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.585	-6.8	124	0.00
55 T	1,1,2-Trichloroethane	0.260	0.270	-3.8	124	0.00
56 T	Ethyl methacrylate	0.332	0.365	-9.9	120	0.00
57 T	1,3-Dichloropropane	0.449	0.468	-4.2	122	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.174	-7.4	116	0.00
59 T	2-Hexanone	0.153	0.146	4.6	107	0.00
60 T	Dibromochloromethane	0.355	0.384	-8.2	126	0.00
61 T	1,2-Dibromoethane	0.244	0.260	-6.6	123	0.00
62 S	4-Bromofluorobenzene	0.417	0.461	-10.6	126	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	117	0.00
64 T	Tetrachloroethene	0.455	0.571	-25.5#	149	0.00
65 PM	Chlorobenzene	1.146	1.268	-10.6	129	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.450	-10.6	128	0.00
67 C	Ethyl Benzene	1.965	2.263	-15.2#	130	0.00
68 T	m/p-Xylenes	0.753	0.863	-14.6	129	0.00
69 T	o-Xylene	0.695	0.813	-17.0	129	0.00
70 T	Styrene	1.158	1.347	-16.3	128	0.00
71 P	Bromoform	0.232	0.254	-9.5	125	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
73 T	Isopropylbenzene	3.714	4.282	-15.3	131	0.00
74 T	N-acyl acetate	0.872	0.871	0.1	111	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.611	8.5	109	0.00
76 T	1,2,3-Trichloropropane	0.496	0.497	-0.2	117	0.00
77 T	Bromobenzene	0.892	0.997	-11.8	131	0.00
78 T	n-propylbenzene	4.465	5.087	-13.9	129	0.00
79 T	2-Chlorotoluene	2.593	2.882	-11.1	127	0.00
80 T	1,3,5-Trimethylbenzene	3.035	3.476	-14.5	129	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.207	3.7	109	0.00
82 T	4-Chlorotoluene	2.704	2.983	-10.3	126	0.00
83 T	tert-Butylbenzene	2.703	3.127	-15.7	131	0.00
84 T	1,2,4-Trimethylbenzene	3.000	3.478	-15.9	130	0.00
85 T	sec-Butylbenzene	3.951	4.593	-16.2	131	0.00
86 T	p-Isopropyltoluene	3.265	3.890	-19.1	133	0.00
87 T	1,3-Dichlorobenzene	1.757	1.945	-10.7	130	0.00
88 T	1,4-Dichlorobenzene	1.736	1.895	-9.2	127	0.00
89 T	n-Butylbenzene	3.020	3.542	-17.3	130	0.00
90 T	Hexachloroethane	0.716	0.782	-9.2	129	0.00
91 T	1,2-Dichlorobenzene	1.529	1.699	-11.1	130	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.103	0.0	118	0.00
93 T	1,2,4-Trichlorobenzene	0.829	1.048	-26.4#	139	0.00
94 T	Hexachlorobutadiene	0.518	0.667	-28.8#	149	0.00
95 T	Naphthalene	1.375	1.736	-26.3#	135	0.00

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Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T 1,2,3-Trichlorobenzene	0.707	0.882	-24.8	138	0.00

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