

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110425\  
 Data File : VY023668.D  
 Acq On : 04 Nov 2025 12:14  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY110425

Quant Time: Nov 05 04:45:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 05 04:41:50 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	106	0.00
2 T	Dichlorodifluoromethane	0.328	0.279	14.9	107	0.00
3 P	Chloromethane	0.459	0.422	8.1	108	0.00
4 C	Vinyl Chloride	0.598	0.543	9.2#	105	0.00
5 T	Bromomethane	0.503	0.457	9.1	109	0.00
6 T	Chloroethane	0.413	0.387	6.3	106	0.00
7 T	Trichlorofluoromethane	0.842	0.780	7.4	106	0.00
8 T	Diethyl Ether	0.226	0.218	3.5	108	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.464	0.440	5.2	107	0.00
10 T	Methyl Iodide	0.548	0.521	4.9	96	0.00
11 T	Tert butyl alcohol	0.028	0.025	10.7	114	0.00
12 CM	1,1-Dichloroethene	0.447	0.431	3.6#	108	0.00
13 T	Acrolein	0.035	0.030	14.3	108	0.00
14 T	Allyl chloride	0.544	0.544	0.0	109	0.00
15 T	Acrylonitrile	0.086	0.085	1.2	110	0.00
16 T	Acetone	0.106	0.097	8.5	108	0.00
17 T	Carbon Disulfide	1.371	1.295	5.5	106	0.00
18 T	Methyl Acetate	0.234	0.207	11.5	104	0.00
19 T	Methyl tert-butyl Ether	1.036	1.058	-2.1	111	0.00
20 T	Methylene Chloride	0.512	0.469	8.4	108	0.00
21 T	trans-1,2-Dichloroethene	0.504	0.494	2.0	107	0.00
22 T	Diisopropyl ether	1.212	1.242	-2.5	107	0.00
23 T	Vinyl Acetate	0.647	0.683	-5.6	111	0.00
24 P	1,1-Dichloroethane	0.807	0.776	3.8	106	0.00
25 T	2-Butanone	0.123	0.116	5.7	110	0.00
26 T	2,2-Dichloropropane	0.742	0.719	3.1	107	0.00
27 T	cis-1,2-Dichloroethene	0.575	0.572	0.5	108	0.00
28 T	Bromochloromethane	0.309	0.290	6.1	105	0.00
29 T	Tetrahydrofuran	0.065	0.065	0.0	111	0.00
30 C	Chloroform	0.901	0.863	4.2#	106	0.00
31 T	Cyclohexane	0.703	0.682	3.0	109	0.00
32 T	1,1,1-Trichloroethane	0.805	0.775	3.7	106	0.00
33 S	1,2-Dichloroethane-d4	0.427	0.399	6.6	104	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.312	0.302	3.2	103	0.00
36 T	1,1-Dichloropropene	0.418	0.417	0.2	107	0.00
37 T	Ethyl Acetate	0.162	0.165	-1.9	112	0.00
38 T	Carbon Tetrachloride	0.492	0.487	1.0	107	0.00
39 T	Methylcyclohexane	0.534	0.564	-5.6	110	0.00
40 TM	Benzene	1.316	1.310	0.5	107	0.00
41 T	Methacrylonitrile	0.088	0.077	12.5	96	0.00
42 TM	1,2-Dichloroethane	0.333	0.324	2.7	106	0.00
43 T	Isopropyl Acetate	0.304	0.313	-3.0	112	0.00
44 TM	Trichloroethene	0.378	0.368	2.6	106	0.00
45 C	1,2-Dichloropropane	0.290	0.290	0.0	107	0.00
46 T	Dibromomethane	0.180	0.179	0.6	109	0.00
47 T	Bromodichloromethane	0.454	0.449	1.1	106	0.00
48 T	Methyl methacrylate	0.143	0.152	-6.3	110	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	108	0.00
50 S	Toluene-d8	1.164	1.171	-0.6	104	0.00
51 T	4-Methyl-2-Pentanone	0.162	0.166	-2.5	111	0.00
52 CM	Toluene	0.840	0.866	-3.1#	107	0.00
53 T	t-1,3-Dichloropropene	0.384	0.394	-2.6	107	0.00
54 T	cis-1,3-Dichloropropene	0.460	0.472	-2.6	107	0.00
55 T	1,1,2-Trichloroethane	0.241	0.236	2.1	106	0.00
56 T	Ethyl methacrylate	0.265	0.293	-10.6	111	0.00
57 T	1,3-Dichloropropane	0.381	0.380	0.3	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.122	0.132	-8.2	109	0.00
59 T	2-Hexanone	0.118	0.121	-2.5	111	0.00
60 T	Dibromochloromethane	0.330	0.331	-0.3	107	0.00
61 T	1,2-Dibromoethane	0.226	0.226	0.0	107	0.00
62 S	4-Bromofluorobenzene	0.376	0.388	-3.2	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.520	0.491	5.6	100	0.00
65 PM	Chlorobenzene	1.088	1.085	0.3	106	0.00
66 T	1,1,1,2-Tetrachloroethane	0.385	0.381	1.0	106	0.00
67 C	Ethyl Benzene	1.762	1.845	-4.7#	107	0.00
68 T	m/p-Xylenes	0.704	0.740	-5.1	107	0.00
69 T	o-Xylene	0.651	0.691	-6.1	107	0.00
70 T	Styrene	1.074	1.144	-6.5	107	0.00
71 P	Bromoform	0.225	0.226	-0.4	108	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	3.344	3.555	-6.3	108	0.00
74 T	N-ethyl acetate	0.566	0.599	-5.8	109	0.00
75 P	1,1,2,2-Tetrachloroethane	0.534	0.538	-0.7	113	0.00
76 T	1,2,3-Trichloropropane	0.405	0.385	4.9	109	0.00
77 T	Bromobenzene	0.867	0.874	-0.8	107	0.00
78 T	n-propylbenzene	3.933	4.148	-5.5	107	0.00
79 T	2-Chlorotoluene	2.283	2.359	-3.3	107	0.00
80 T	1,3,5-Trimethylbenzene	2.717	2.890	-6.4	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.179	0.176	1.7	108	0.00
82 T	4-Chlorotoluene	2.354	2.420	-2.8	107	0.00
83 T	tert-Butylbenzene	2.475	2.678	-8.2	110	0.00
84 T	1,2,4-Trimethylbenzene	2.691	2.875	-6.8	107	0.00
85 T	sec-Butylbenzene	3.569	3.806	-6.6	109	0.00
86 T	p-Isopropyltoluene	3.022	3.259	-7.8	108	0.00
87 T	1,3-Dichlorobenzene	1.707	1.709	-0.1	106	0.00
88 T	1,4-Dichlorobenzene	1.677	1.645	1.9	105	0.00
89 T	n-Butylbenzene	2.627	2.857	-8.8	109	0.00
90 T	Hexachloroethane	0.649	0.648	0.2	107	0.00
91 T	1,2-Dichlorobenzene	1.471	1.474	-0.2	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.082	0.078	4.9	108	0.00
93 T	1,2,4-Trichlorobenzene	0.842	0.894	-6.2	110	0.00
94 T	Hexachlorobutadiene	0.551	0.557	-1.1	106	0.00
95 T	Naphthalene	1.257	1.406	-11.9	114	0.00

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Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T 1,2,3-Trichlorobenzene	0.703	0.753	-7.1	111	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5