

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071422\
 Data File : VX030077.D
 Acq On : 14 Jul 2022 21:38
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 15 04:42:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 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	Bromochloromethane	1.000	1.000	0.0	90	0.00
2 M	Dichlorodifluoromethane	2.051	1.950	4.9	82	0.00
3 M	Chloromethane	2.139	1.891	11.6	78	0.00
4 M	Vinyl Chloride	2.424	2.115	12.7	79	0.00
5 M	Bromomethane	0.999	0.988	1.1	77	0.00
6 M	Chloroethane	1.298	1.221	5.9	81	0.00
7 M	Trichlorofluoromethane	3.073	2.891	5.9	85	0.00
8 T	Diethyl Ether	1.307	1.163	11.0	82	0.00
9	1,1,2-Trichlorotrifluoroeth	2.069	1.896	8.4	82	0.00
10 M	1,1-Dichloroethene	2.113	1.940	8.2	82	0.00
11	Methyl Iodide	1.752	1.623	7.4	109	0.00
12	Methyl Acetate	3.441	3.486	-1.3	93	0.00
13 M	Acrolein	0.404	0.294	27.2#	69	0.00
14 M	Acrylonitrile	1.481	1.389	6.2	84	0.00
15 M	Acetone	0.402	0.387	3.7	86	0.00
16 M	Carbon Disulfide	5.515	4.533	17.8	77	0.00
17	Allyl chloride	3.723	3.313	11.0	82	0.00
18 M	Methylene Chloride	2.461	2.296	6.7	83	0.00
19 M	trans-1,2-Dichloroethene	2.293	2.040	11.0	82	0.00
20 T	Diisopropyl ether	7.458	6.919	7.2	86	0.00
21 M	1,1-Dichloroethane	4.015	3.743	6.8	85	0.00
22 M	cis-1,2-Dichloroethene	2.722	2.489	8.6	84	0.00
23 M	tert-Butyl Alcohol	0.678	0.518	23.6	73	0.01
24 M	Methyl tert-Butyl Ether	6.815	6.255	8.2	84	0.00
25 M	Chloroform	4.002	3.827	4.4	89	0.00
26	Cyclohexane	3.720	3.316	10.9	83	0.00
27 s	1,2-Dichloroethane-d4	2.446	2.423	0.9	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
29	1,1-Dichloropropene	0.513	0.495	3.5	85	0.01
30 M	2-Butanone	0.346	0.349	-0.9	86	0.00
31	2,2-Dichloropropane	0.491	0.343	30.1#	61	0.00
32 M	1,1,1-Trichloroethane	0.552	0.555	-0.5	87	0.00
33 M	Carbon Tetrachloride	0.463	0.459	0.9	86	0.00
34 M	Benzene	1.649	1.626	1.4	83	0.00
35	Methacrylonitrile	0.351	0.352	-0.3	87	0.00
36 M	1,2-Dichloroethane	0.502	0.511	-1.8	87	0.00
37 M	Trichloroethene	0.441	0.431	2.3	84	0.00
38	Methylcyclohexane	0.666	0.630	5.4	82	0.00
39 M	1,2-Dichloropropane	0.420	0.401	4.5	81	0.00
40	Dibromomethane	0.285	0.280	1.8	85	0.00
41 M	Bromodichloromethane	0.508	0.517	-1.8	87	0.00
42 M	Vinyl Acetate	1.108	1.071	3.3	83	0.00
43	Ethyl Acetate	0.653	0.651	0.3	82	0.01
44	Isopropyl Acetate	0.991	0.954	3.7	84	0.00
45 T	1,4-Dioxane	0.012	0.012	0.0	85	0.00
46	Methyl methacrylate	0.470	0.467	0.6	87	0.00
47	n-amyl Acetate	0.852	0.751	11.9	81	0.00
48 M	t-1,3-Dichloropropene	0.562	0.490	12.8	79	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.631	0.559	11.4	77	0.00
50 M	1,1,2-Trichloroethane	0.422	0.430	-1.9	86	0.00
51	Ethyl methacrylate	0.656	0.621	5.3	83	0.00
52	1,3-Dichloropropane	0.678	0.676	0.3	85	0.00
53 M	Dibromochloromethane	0.390	0.379	2.8	86	0.00
54 M	1,2-Dibromoethane	0.438	0.434	0.9	85	0.00
55 M	2-Chloroethyl vinyl ether	0.338	0.342	-1.2	87	0.00
56 M	Bromoform	0.273	0.260	4.8	87	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	0.741	0.732	1.2	87	0.00
59 M	2-Hexanone	0.573	0.564	1.6	87	0.00
60 S	4-Bromofluorobenzene	0.565	0.553	2.1	89	0.00
61 M	Tetrachloroethene	0.450	0.477	-6.0	89	0.00
62 M	Toluene	1.996	1.895	5.1	83	0.00
63 S	Toluene-d8	1.627	1.609	1.1	85	0.00
64 M	Chlorobenzene	1.192	1.145	3.9	85	0.00
65	1,1,1,2-Tetrachloroethane	0.416	0.401	3.6	85	0.00
66 M	Ethyl Benzene	2.121	2.033	4.1	85	0.00
67 M	m/p-Xylenes	0.823	0.787	4.4	83	0.00
68 M	o-Xylene	0.819	0.775	5.4	82	0.00
69 M	Styrene	1.356	1.293	4.6	85	0.00
70	Isopropylbenzene	2.063	1.987	3.7	85	0.00
71 M	1,1,2,2-Tetrachloroethane	0.750	0.687	8.4	81	0.00
72	1,2,3-Trichloropropane	0.674	0.628	6.8	80	0.00
73	Bromobenzene	0.495	0.461	6.9	84	0.00
74	n-propylbenzene	2.475	2.301	7.0	83	0.00
75	2-Chlorotoluene	1.458	1.387	4.9	84	0.00
76	1,3,5-Trimethylbenzene	1.732	1.613	6.9	84	0.00
77	t-1,4-Dichloro-2-butene	0.232	0.173	25.4#	71	0.00
78	4-Chlorotoluene	1.636	1.518	7.2	83	0.00
79	tert-butylbenzene	1.685	1.540	8.6	83	0.00
80	1,2,4-Trimethylbenzene	1.781	1.625	8.8	84	0.00
81	sec-Butylbenzene	2.281	2.079	8.9	83	0.00
82	p-Isopropyltoluene	1.836	1.667	9.2	82	0.00
83 M	1,3-Dichlorobenzene	0.957	0.882	7.8	83	0.00
84 M	1,4-Dichlorobenzene	0.971	0.865	10.9	81	0.00
85	n-Butylbenzene	1.723	1.504	12.7	83	0.00
86 T	Hexachloroethane	0.305	0.269	11.8	85	0.00
87 M	1,2-Dichlorobenzene	0.945	0.903	4.4	86	0.00
88	1,2-Dibromo-3-Chloropropane	0.171	0.158	7.6	85	0.00
89	1,2,4-Trichlorobenzene	0.585	0.512	12.5	80	0.00
90	Hexachlorobutadiene	0.222	0.199	10.4	85	0.00
91 M	Naphthalene	2.333	2.119	9.2	82	0.00
92	1,2,3-Trichlorobenzene	0.596	0.535	10.2	84	0.00

(#) = Out of Range

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