

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
 Data File : VX033711.D
 Acq On : 12 Jan 2023 16:31
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 13 00:03:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 06:16:21 2023
 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	95	0.00
2 M	Dichlorodifluoromethane	3.137	3.390	-8.1	98	0.00
3 M	Chloromethane	3.363	3.737	-11.1	98	0.00
4 M	Vinyl Chloride	3.038	3.659	-20.4	117	0.00
5 M	Bromomethane	1.683	1.828	-8.6	101	0.00
6 M	Chloroethane	1.779	2.115	-18.9	114	0.00
7 M	Trichlorofluoromethane	4.688	4.892	-4.4	94	0.00
8 T	Diethyl Ether	1.526	1.540	-0.9	102	0.00
9	1,1,2-Trichlorotrifluoroeth	2.431	3.298	-35.7#	138	0.00
10 M	1,1-Dichloroethene	2.292	3.097	-35.1#	138	0.00
11	Methyl Iodide	3.940	4.593	-16.6	122	0.00
12	Methyl Acetate	4.798	5.843	-21.8	115	0.00
13 M	Acrolein	0.517	0.511	1.2	107	0.00
14 M	Acrylonitrile	1.582	1.768	-11.8	102	0.00
15 M	Acetone	0.358	0.407	-13.7	119	-0.01
16 M	Carbon Disulfide	6.669	7.758	-16.3	123	0.00
17	Allyl chloride	4.875	5.622	-15.3	108	0.00
18 M	Methylene Chloride	3.210	3.505	-9.2	104	0.00
19 M	trans-1,2-Dichloroethene	3.079	3.401	-10.5	102	0.00
20 T	Diisopropyl ether	10.523	11.366	-8.0	97	-0.01
21 M	1,1-Dichloroethane	5.771	6.172	-6.9	99	0.00
22 M	cis-1,2-Dichloroethene	3.662	3.929	-7.3	100	0.00
23 M	tert-Butyl Alcohol	0.625	0.607	2.9	88	-0.04
24 M	Methyl tert-Butyl Ether	9.786	10.641	-8.7	99	0.00
25 M	Chloroform	5.857	6.273	-7.1	97	0.00
26	Cyclohexane	5.356	5.685	-6.1	98	0.00
27 s	1,2-Dichloroethane-d4	2.429	2.474	-1.9	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	68	0.00
29	1,1-Dichloropropene	0.648	0.939	-44.9#	100	0.00
30 M	2-Butanone	0.339	0.459	-35.4#	93	0.00
31	2,2-Dichloropropane	0.558	0.848	-52.0#	108	0.00
32 M	1,1,1-Trichloroethane	0.757	1.045	-38.0#	96	0.00
33 M	Carbon Tetrachloride	0.683	0.957	-40.1#	99	0.00
34 M	Benzene	1.884	2.692	-42.9#	101	0.00
35	Methacrylonitrile	0.386	0.548	-42.0#	98	-0.02
36 M	1,2-Dichloroethane	0.685	0.962	-40.4#	95	0.00
37 M	Trichloroethene	0.543	0.603	-11.0	79	-0.01
38	Methylcyclohexane	0.806	1.023	-26.9#	89	0.00
39 M	1,2-Dichloropropane	0.481	0.498	-3.5	71	0.00
40	Dibromomethane	0.338	0.365	-8.0	74	0.00
41 M	Bromodichloromethane	0.656	0.699	-6.6	74	0.00
42 M	Vinyl Acetate	1.210	1.639	-35.5#	92	0.00
43	Ethyl Acetate	0.694	0.988	-42.4#	94	-0.01
44	Isopropyl Acetate	1.089	1.497	-37.5#	98	0.00
45 T	1,4-Dioxane	0.012	0.011	8.3	60	-0.02
46	Methyl methacrylate	0.551	0.581	-5.4	73	0.00
47	n-amyl Acetate	0.927	1.273	-37.3#	96	0.00
48 M	t-1,3-Dichloropropene	0.671	0.704	-4.9	76	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.745	0.776	-4.2	76	0.00
50 M	1,1,2-Trichloroethane	0.491	0.518	-5.5	74	0.00
51	Ethyl methacrylate	0.732	0.748	-2.2	72	0.00
52	1,3-Dichloropropane	0.823	0.896	-8.9	75	0.00
53 M	Dibromochloromethane	0.535	0.578	-8.0	79	0.00
54 M	1,2-Dibromoethane	0.525	0.578	-10.1	77	0.00
55 M	2-Chloroethyl vinyl ether	0.354	0.343	3.1	68	0.00
56 M	Bromoform	0.411	0.564	-37.2#	100	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
58 M	4-Methyl-2-Pentanone	0.596	0.569	4.5	76	0.00
59 M	2-Hexanone	0.439	0.429	2.3	79	0.00
60 S	4-Bromofluorobenzene	0.541	0.630	-16.5	95	0.00
61 M	Tetrachloroethene	0.433	0.427	1.4	83	0.00
62 M	Toluene	1.888	1.724	8.7	75	0.00
63 S	Toluene-d8	0.960	0.821	14.5	69	0.00
64 M	Chlorobenzene	1.216	1.328	-9.2	91	0.00
65	1,1,1,2-Tetrachloroethane	0.458	0.516	-12.7	93	0.00
66 M	Ethyl Benzene	2.106	2.490	-18.2	97	0.00
67 M	m/p-Xylenes	0.831	1.012	-21.8	99	0.00
68 M	o-Xylene	0.817	0.997	-22.0	100	0.00
69 M	Styrene	1.352	1.644	-21.6	99	0.00
70	Isopropylbenzene	2.116	2.607	-23.2	100	0.00
71 M	1,1,2,2-Tetrachloroethane	0.637	0.754	-18.4	96	0.00
72	1,2,3-Trichloropropane	0.577	0.632	-9.5	88	0.00
73	Bromobenzene	0.560	0.697	-24.5	103	0.00
74	n-propylbenzene	2.402	2.982	-24.1	102	0.00
75	2-Chlorotoluene	1.437	1.776	-23.6	101	0.00
76	1,3,5-Trimethylbenzene	1.757	2.186	-24.4	101	0.00
77	t-1,4-Dichloro-2-butene	0.173	0.200	-15.6	105	0.00
78	4-Chlorotoluene	1.611	2.016	-25.1#	102	0.00
79	tert-butylbenzene	1.802	2.208	-22.5	100	0.00
80	1,2,4-Trimethylbenzene	1.735	2.187	-26.1#	102	0.00
81	sec-Butylbenzene	2.180	2.795	-28.2#	105	0.00
82	p-Isopropyltoluene	1.880	2.397	-27.5#	105	0.00
83 M	1,3-Dichlorobenzene	1.022	1.275	-24.8	104	0.00
84 M	1,4-Dichlorobenzene	1.019	1.277	-25.3#	104	0.00
85	n-Butylbenzene	1.529	1.981	-29.6#	109	0.00
86 T	Hexachloroethane	0.306	0.364	-19.0	105	0.00
87 M	1,2-Dichlorobenzene	0.985	1.231	-25.0	104	0.00
88	1,2-Dibromo-3-Chloropropane	0.132	0.151	-14.4	96	0.00
89	1,2,4-Trichlorobenzene	0.677	0.873	-29.0#	108	0.00
90	Hexachlorobutadiene	0.325	0.429	-32.0#	113	0.00
91 M	Naphthalene	1.989	2.559	-28.7#	106	0.00
92	1,2,3-Trichlorobenzene	0.679	0.880	-29.6#	110	0.00

(#) = Out of Range

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