

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060123\
 Data File : VX035967.D
 Acq On : 01 Jun 2023 18:32
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 02 01:37:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 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	98	0.01
2 M	Dichlorodifluoromethane	1.534	1.354	11.7	134	0.00
3 M	Chloromethane	1.882	1.726	8.3	101	0.00
4 M	Vinyl Chloride	1.769	1.528	13.6	102	0.00
5 M	Bromomethane	1.190	0.867	27.1#	77	0.00
6 M	Chloroethane	1.115	0.995	10.8	100	0.00
7 M	Trichlorofluoromethane	2.681	2.142	20.1	110	0.00
8 T	Diethyl Ether	1.115	1.036	7.1	96	0.00
9	1,1,2-Trichlorotrifluoroeth	1.443	1.200	16.8	122	0.00
10 M	1,1-Dichloroethene	1.504	1.296	13.8	100	0.00
11	Methyl Iodide	1.817	1.088	40.1#	67	0.00
12	Methyl Acetate	4.249	4.662	-9.7	109	0.00
13 M	Acrolein	0.336	0.316	6.0	101	0.00
14 M	Acrylonitrile	1.065	1.148	-7.8	110	0.00
15 M	Acetone	0.319	0.305	4.4	93	0.00
16 M	Carbon Disulfide	3.264	2.743	16.0	107	0.00
17	Allyl chloride	3.034	3.006	0.9	109	0.00
18 M	Methylene Chloride	1.958	1.762	10.0	94	0.00
19 M	trans-1,2-Dichloroethene	1.695	1.578	6.9	99	0.00
20 T	Diisopropyl ether	6.550	6.487	1.0	102	0.00
21 M	1,1-Dichloroethane	3.433	3.411	0.6	106	0.00
22 M	cis-1,2-Dichloroethene	2.098	2.100	-0.1	107	0.00
23 M	tert-Butyl Alcohol	0.389	0.482	-23.9	123	-0.02
24 M	Methyl tert-Butyl Ether	6.061	6.377	-5.2	109	0.00
25 M	Chloroform	3.523	3.675	-4.3	113	0.00
26	Cyclohexane	2.596	2.037	21.5	114	0.00
27 s	1,2-Dichloroethane-d4	2.493	2.621	-5.1	105	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.418	0.402	3.8	112	0.00
30 M	2-Butanone	0.273	0.303	-11.0	108	0.00
31	2,2-Dichloropropane	0.449	0.442	1.6	111	0.00
32 M	1,1,1-Trichloroethane	0.488	0.509	-4.3	119	0.00
33 M	Carbon Tetrachloride	0.385	0.385	0.0	120	0.00
34 M	Benzene	1.318	1.347	-2.2	105	0.00
35	Methacrylonitrile	0.292	0.317	-8.6	109	0.00
36 M	1,2-Dichloroethane	0.513	0.562	-9.6	111	0.00
37 M	Trichloroethene	0.331	0.323	2.4	104	0.00
38	Methylcyclohexane	0.458	0.344	24.9	114	0.00
39 M	1,2-Dichloropropane	0.355	0.355	0.0	103	0.00
40	Dibromomethane	0.240	0.249	-3.8	106	0.00
41 M	Bromodichloromethane	0.434	0.474	-9.2	114	0.00
42 M	Vinyl Acetate	0.803	0.834	-3.9	108	0.00
43	Ethyl Acetate	0.522	0.530	-1.5	105	0.00
44	Isopropyl Acetate	0.850	0.878	-3.3	107	0.00
45 T	1,4-Dioxane	0.008	0.009	-12.5	107	-0.04
46	Methyl methacrylate	0.411	0.437	-6.3	111	0.00
47	n-amyl Acetate	0.714	0.721	-1.0	106	0.00
48 M	t-1,3-Dichloropropene	0.480	0.468	2.5	107	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.530	0.527	0.6	104	0.00
50 M	1,1,2-Trichloroethane	0.343	0.362	-5.5	106	0.00
51	Ethyl methacrylate	0.529	0.547	-3.4	109	0.00
52	1,3-Dichloropropane	0.598	0.635	-6.2	106	0.00
53 M	Dibromochloromethane	0.315	0.341	-8.3	117	0.00
54 M	1,2-Dibromoethane	0.357	0.374	-4.8	106	0.00
55 M	2-Chloroethyl vinyl ether	0.281	0.265	5.7	90	0.00
56 M	Bromoform	0.204	0.215	-5.4	122	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	0.583	0.644	-10.5	111	0.00
59 M	2-Hexanone	0.438	0.482	-10.0	108	0.00
60 S	4-Bromofluorobenzene	0.503	0.533	-6.0	108	0.00
61 M	Tetrachloroethene	0.289	0.265	8.3	100	0.00
62 M	Toluene	1.545	1.553	-0.5	105	0.00
63 S	Toluene-d8	1.326	1.322	0.3	101	0.00
64 M	Chlorobenzene	0.978	0.969	0.9	103	0.00
65	1,1,1,2-Tetrachloroethane	0.342	0.360	-5.3	113	0.00
66 M	Ethyl Benzene	1.728	1.733	-0.3	109	0.00
67 M	m/p-Xylenes	0.654	0.663	-1.4	108	0.00
68 M	o-Xylene	0.654	0.671	-2.6	107	0.00
69 M	Styrene	1.080	1.117	-3.4	109	0.00
70	Isopropylbenzene	1.670	1.629	2.5	107	0.00
71 M	1,1,2,2-Tetrachloroethane	0.591	0.645	-9.1	110	0.00
72	1,2,3-Trichloropropane	0.515	0.535	-3.9	110	0.00
73	Bromobenzene	0.406	0.407	-0.2	105	0.00
74	n-propylbenzene	1.990	1.862	6.4	103	0.00
75	2-Chlorotoluene	1.223	1.263	-3.3	111	0.00
76	1,3,5-Trimethylbenzene	1.418	1.438	-1.4	110	0.00
77	t-1,4-Dichloro-2-butene	0.155	0.141	9.0	109	0.00
78	4-Chlorotoluene	1.393	1.425	-2.3	110	0.00
79	tert-butylbenzene	1.369	1.357	0.9	110	0.00
80	1,2,4-Trimethylbenzene	1.425	1.450	-1.8	109	0.00
81	sec-Butylbenzene	1.728	1.521	12.0	102	0.00
82	p-Isopropyltoluene	1.438	1.325	7.9	105	0.00
83 M	1,3-Dichlorobenzene	0.768	0.744	3.1	103	0.00
84 M	1,4-Dichlorobenzene	0.771	0.766	0.6	105	0.00
85	n-Butylbenzene	1.279	1.050	17.9	101	0.00
86 T	Hexachloroethane	0.226	0.197	12.8	112	0.00
87 M	1,2-Dichlorobenzene	0.752	0.784	-4.3	106	0.00
88	1,2-Dibromo-3-Chloropropane	0.113	0.132	-16.8	127	0.00
89	1,2,4-Trichlorobenzene	0.451	0.421	6.7	103	0.00
90	Hexachlorobutadiene	0.166	0.136	18.1	108	0.00
91 M	Naphthalene	1.560	1.605	-2.9	107	0.00
92	1,2,3-Trichlorobenzene	0.450	0.424	5.8	102	0.00

(#) = Out of Range

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