

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052523\
 Data File : VX035884.D
 Acq On : 26 May 2023 04:46
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 26 09:23:38 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	86	0.00
2 M	Dichlorodifluoromethane	1.534	1.834	-19.6	161#	0.00
3 M	Chloromethane	1.882	1.883	-0.1	98	0.00
4 M	Vinyl Chloride	1.769	1.853	-4.7	110	0.00
5 M	Bromomethane	1.190	1.104	7.2	87	0.00
6 M	Chloroethane	1.115	1.198	-7.4	106	0.00
7 M	Trichlorofluoromethane	2.681	2.774	-3.5	125	0.00
8 T	Diethyl Ether	1.115	1.086	2.6	89	0.00
9	1,1,2-Trichlorotrifluoroeth	1.443	1.669	-15.7	151#	0.00
10 M	1,1-Dichloroethene	1.504	1.525	-1.4	104	0.00
11	Methyl Iodide	1.817	1.658	8.8	91	0.00
12	Methyl Acetate	4.249	4.212	0.9	87	0.00
13 M	Acrolein	0.336	0.315	6.3	89	0.00
14 M	Acrylonitrile	1.065	1.052	1.2	89	0.00
15 M	Acetone	0.319	0.294	7.8	80	-0.01
16 M	Carbon Disulfide	3.264	2.811	13.9	97	0.00
17	Allyl chloride	3.034	2.820	7.1	90	0.00
18 M	Methylene Chloride	1.958	1.957	0.1	93	0.00
19 M	trans-1,2-Dichloroethene	1.695	1.689	0.4	94	0.00
20 T	Diisopropyl ether	6.550	6.611	-0.9	92	0.00
21 M	1,1-Dichloroethane	3.433	3.464	-0.9	95	0.00
22 M	cis-1,2-Dichloroethene	2.098	2.063	1.7	93	0.00
23 M	tert-Butyl Alcohol	0.389	0.399	-2.6	90	-0.02
24 M	Methyl tert-Butyl Ether	6.061	5.939	2.0	90	0.00
25 M	Chloroform	3.523	3.526	-0.1	96	0.00
26	Cyclohexane	2.596	2.833	-9.1	140	0.00
27 s	1,2-Dichloroethane-d4	2.493	2.505	-0.5	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
29	1,1-Dichloropropene	0.418	0.437	-4.5	108	0.00
30 M	2-Butanone	0.273	0.274	-0.4	87	-0.01
31	2,2-Dichloropropane	0.449	0.338	24.7	75	0.00
32 M	1,1,1-Trichloroethane	0.488	0.497	-1.8	102	0.00
33 M	Carbon Tetrachloride	0.385	0.388	-0.8	107	0.00
34 M	Benzene	1.318	1.342	-1.8	93	0.00
35	Methacrylonitrile	0.292	0.302	-3.4	92	0.00
36 M	1,2-Dichloroethane	0.513	0.520	-1.4	90	0.00
37 M	Trichloroethene	0.331	0.333	-0.6	95	0.00
38	Methylcyclohexane	0.458	0.505	-10.3	148	0.00
39 M	1,2-Dichloropropane	0.355	0.367	-3.4	94	0.00
40	Dibromomethane	0.240	0.243	-1.3	91	0.00
41 M	Bromodichloromethane	0.434	0.420	3.2	90	0.00
42 M	Vinyl Acetate	0.803	0.805	-0.2	92	0.00
43	Ethyl Acetate	0.522	0.505	3.3	89	0.00
44	Isopropyl Acetate	0.850	0.822	3.3	88	0.00
45 T	1,4-Dioxane	0.008	0.005	37.5#	47#	-0.03
46	Methyl methacrylate	0.411	0.396	3.6	89	0.00
47	n-amyl Acetate	0.714	0.674	5.6	87	0.00
48 M	t-1,3-Dichloropropene	0.480	0.401	16.5	81	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.530	0.465	12.3	81	0.00
50 M	1,1,2-Trichloroethane	0.343	0.354	-3.2	92	0.00
51	Ethyl methacrylate	0.529	0.502	5.1	88	0.00
52	1,3-Dichloropropane	0.598	0.611	-2.2	90	0.00
53 M	Dibromochloromethane	0.315	0.289	8.3	88	0.00
54 M	1,2-Dibromoethane	0.357	0.357	0.0	90	0.00
55 M	2-Chloroethyl vinyl ether	0.281	0.295	-5.0	89	0.00
56 M	Bromoform	0.204	0.177	13.2	89	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	0.583	0.593	-1.7	90	0.00
59 M	2-Hexanone	0.438	0.445	-1.6	88	0.00
60 S	4-Bromofluorobenzene	0.503	0.492	2.2	88	0.00
61 M	Tetrachloroethene	0.289	0.310	-7.3	103	0.00
62 M	Toluene	1.545	1.584	-2.5	94	0.00
63 S	Toluene-d8	1.326	1.343	-1.3	90	0.00
64 M	Chlorobenzene	0.978	0.986	-0.8	92	0.00
65	1,1,1,2-Tetrachloroethane	0.342	0.322	5.8	89	0.00
66 M	Ethyl Benzene	1.728	1.757	-1.7	97	0.00
67 M	m/p-Xylenes	0.654	0.677	-3.5	97	0.00
68 M	o-Xylene	0.654	0.658	-0.6	92	0.00
69 M	Styrene	1.080	1.071	0.8	92	0.00
70	Isopropylbenzene	1.670	1.708	-2.3	98	0.00
71 M	1,1,2,2-Tetrachloroethane	0.591	0.608	-2.9	91	0.00
72	1,2,3-Trichloropropane	0.515	0.482	6.4	87	0.00
73	Bromobenzene	0.406	0.392	3.4	89	0.00
74	n-propylbenzene	1.990	2.017	-1.4	98	0.00
75	2-Chlorotoluene	1.223	1.222	0.1	94	0.00
76	1,3,5-Trimethylbenzene	1.418	1.445	-1.9	97	0.00
77	t-1,4-Dichloro-2-butene	0.155	0.109	29.7#	74	0.00
78	4-Chlorotoluene	1.393	1.373	1.4	93	0.00
79	tert-butylbenzene	1.369	1.391	-1.6	99	0.00
80	1,2,4-Trimethylbenzene	1.425	1.423	0.1	94	0.00
81	sec-Butylbenzene	1.728	1.769	-2.4	104	0.00
82	p-Isopropyltoluene	1.438	1.426	0.8	100	0.00
83 M	1,3-Dichlorobenzene	0.768	0.748	2.6	91	0.00
84 M	1,4-Dichlorobenzene	0.771	0.745	3.4	90	0.00
85	n-Butylbenzene	1.279	1.234	3.5	104	0.00
86 T	Hexachloroethane	0.226	0.196	13.3	98	0.00
87 M	1,2-Dichlorobenzene	0.752	0.773	-2.8	91	0.00
88	1,2-Dibromo-3-Chloropropane	0.113	0.106	6.2	90	0.00
89	1,2,4-Trichlorobenzene	0.451	0.440	2.4	94	0.00
90	Hexachlorobutadiene	0.166	0.165	0.6	115	0.00
91 M	Naphthalene	1.560	1.549	0.7	91	0.00
92	1,2,3-Trichlorobenzene	0.450	0.446	0.9	94	0.00

(#) = Out of Range

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