

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX102320\
 Data File : VX019073.D
 Acq On : 23 Oct 2020 12:11
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102320

Quant Time: Oct 26 04:20:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	95	0.00
2 M	Dichlorodifluoromethane	1.508	1.486	1.5	108	0.00
3 M	Chloromethane	1.362	1.309	3.9	103	0.00
4 M	Vinyl Chloride	1.785	1.803	-1.0	109	0.00
5 M	Bromomethane	1.373	1.435	-4.5	100	0.00
6 M	Chloroethane	1.210	1.202	0.7	109	0.00
7 M	Trichlorofluoromethane	3.109	3.198	-2.9	115	0.00
8 T	Diethyl Ether	1.165	1.199	-2.9	113	0.00
9	1,1,2-Trichlorotrifluoroeth	1.485	1.475	0.7	109	0.00
10 M	1,1-Dichloroethene	1.510	1.499	0.7	110	0.00
11	Methyl Iodide	1.397	0.938	32.9#	99	0.00
12	Methyl Acetate	1.495	1.494	0.1	110	0.00
13 M	Acrolein	0.138	0.161	-16.7	167#	0.00
14 M	Acrylonitrile	0.702	0.698	0.6	111	0.00
15 M	Acetone	0.201	0.209	-4.0	125	0.00
16 M	Carbon Disulfide	4.198	4.182	0.4	110	0.00
17	Allyl chloride	1.886	1.857	1.5	111	0.00
18 M	Methylene Chloride	1.722	1.675	2.7	107	0.00
19 M	trans-1,2-Dichloroethene	1.764	1.716	2.7	108	0.00
20 T	Diisopropyl ether	3.821	3.747	1.9	110	0.00
21 M	1,1-Dichloroethane	2.806	2.742	2.3	108	0.00
22 M	cis-1,2-Dichloroethene	2.043	1.969	3.6	107	0.00
23 M	tert-Butyl Alcohol	0.341	0.368	-7.9	122	0.00
24 M	Methyl tert-Butyl Ether	4.775	4.711	1.3	110	0.00
25 M	Chloroform	3.109	3.005	3.3	108	0.00
26	Cyclohexane	2.180	2.140	1.8	110	0.00
27 s	1,2-Dichloroethane-d4	1.998	2.072	-3.7	95	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
29	1,1-Dichloropropene	0.423	0.393	7.1	108	0.00
30 M	2-Butanone	0.169	0.164	3.0	115	0.00
31	2,2-Dichloropropane	0.484	0.448	7.4	107	0.00
32 M	1,1,1-Trichloroethane	0.509	0.468	8.1	107	0.00
33 M	Carbon Tetrachloride	0.441	0.397	10.0	107	0.00
34 M	Benzene	1.245	1.160	6.8	108	0.00
35	Methacrylonitrile	0.183	0.168	8.2	103	0.00
36 M	1,2-Dichloroethane	0.427	0.394	7.7	107	0.00
37 M	Trichloroethene	0.358	0.329	8.1	109	0.00
38	Methylcyclohexane	0.474	0.433	8.6	107	0.00
39 M	1,2-Dichloropropane	0.289	0.270	6.6	111	0.00
40	Dibromomethane	0.224	0.207	7.6	109	0.00
41 M	Bromodichloromethane	0.444	0.403	9.2	109	0.00
42 M	Vinyl Acetate	0.656	0.613	6.6	108	0.00
43	Ethyl Acetate	0.354	0.332	6.2	111	0.00
44	Isopropyl Acetate	0.592	0.553	6.6	111	0.00
45 T	1,4-Dioxane	0.006	0.006#	0.0	114	-0.02

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.280	0.257	8.2	105	0.00
47	n-amyl Acetate	0.475	0.445	6.3	112	0.00
48 M	t-1,3-Dichloropropene	0.497	0.440	11.5	107	0.00
49 T	cis-1,3-Dichloropropene	0.528	0.476	9.8	107	0.00
50 M	1,1,2-Trichloroethane	0.325	0.292	10.2	107	0.00
51	Ethyl methacrylate	0.474	0.430	9.3	109	0.00
52	1,3-Dichloropropane	0.529	0.483	8.7	107	0.00
53 M	Dibromochloromethane	0.362	0.310	14.4	108	0.00
54 M	1,2-Dibromoethane	0.353	0.312	11.6	105	0.00
55 M	2-Chloroethyl vinyl ether	0.253	0.235	7.1	97	0.00
56 M	Bromoform	0.253	0.215	15.0	110	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
58 M	4-Methyl-2-Pentanone	0.378	0.365	3.4	109	0.00
59 M	2-Hexanone	0.282	0.276	2.1	109	0.00
60 S	4-Bromofluorobenzene	0.450	0.450	0.0	99	0.00
61 M	Tetrachloroethene	0.356	0.322	9.6	103	0.00
62 M	Toluene	1.577	1.455	7.7	107	0.00
63 S	Toluene-d8	1.325	1.329	-0.3	96	0.00
64 M	Chlorobenzene	0.980	0.917	6.4	111	0.00
65	1,1,1,2-Tetrachloroethane	0.356	0.327	8.1	110	0.00
66 M	Ethyl Benzene	1.729	1.611	6.8	109	0.00
67 M	m/p-Xylenes	0.659	0.613	7.0	110	0.00
68 M	o-Xylene	0.629	0.586	6.8	112	0.00
69 M	Styrene	1.059	0.978	7.6	112	0.00
70	Isopropylbenzene	1.691	1.570	7.2	111	0.00
71 M	1,1,2,2-Tetrachloroethane	0.488	0.478	2.0	114	0.00
72	1,2,3-Trichloropropane	0.439	0.435	0.9	112	0.00
73	Bromobenzene	0.413	0.396	4.1	115	0.00
74	n-propylbenzene	1.914	1.798	6.1	111	0.00
75	2-Chlorotoluene	1.083	1.038	4.2	114	0.00
76	1,3,5-Trimethylbenzene	1.372	1.296	5.5	114	0.00
77	t-1,4-Dichloro-2-butene	0.174	0.155	10.9	109	0.00
78	4-Chlorotoluene	1.272	1.228	3.5	115	0.00
79	tert-butylbenzene	1.351	1.295	4.1	115	0.00
80	1,2,4-Trimethylbenzene	1.364	1.290	5.4	112	0.00
81	sec-Butylbenzene	1.598	1.532	4.1	114	0.00
82	p-Isopropyltoluene	1.473	1.405	4.6	115	0.00
83 M	1,3-Dichlorobenzene	0.738	0.700	5.1	114	0.00
84 M	1,4-Dichlorobenzene	0.750	0.732	2.4	118	0.00
85	n-Butylbenzene	1.319	1.277	3.2	117	0.00
86 T	Hexachloroethane	0.226	0.207	8.4	117	0.00
87 M	1,2-Dichlorobenzene	0.707	0.691	2.3	117	0.00
88	1,2-Dibromo-3-Chloropropane	0.110	0.104	5.5	114	0.00
89	1,2,4-Trichlorobenzene	0.509	0.482	5.3	116	0.00
90	Hexachlorobutadiene	0.216	0.214	0.9	123	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.665	1.582	5.0	117	0.00
92	1,2,3-Trichlorobenzene	0.489	0.453	7.4	113	0.00

(#) = Out of Range

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