

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX011520\
 Data File : VX014614.D
 Acq On : 15 Jan 2020 12:59
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011520

Quant Time: Jan 16 01:23:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 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	98	0.00
2 M	Dichlorodifluoromethane	2.073	2.381	-14.9	112	0.00
3 M	Chloromethane	2.270	2.686	-18.3	116	0.00
4 M	Vinyl Chloride	2.549	2.859	-12.2	111	0.00
5 M	Bromomethane	1.590	1.777	-11.8	132	0.00
6 M	Chloroethane	1.437	1.600	-11.3	109	0.02
7 M	Trichlorofluoromethane	2.822	3.053	-8.2	112	0.00
8 T	Diethyl Ether	1.233	1.324	-7.4	112	0.00
9	1,1,2-Trichlorotrifluoroeth	1.651	1.869	-13.2	115	0.00
10 M	1,1-Dichloroethene	1.661	1.842	-10.9	116	0.00
11	Methyl Iodide	2.227	1.979	11.1	95	0.00
12	Methyl Acetate	3.000	3.200	-6.7	107	0.00
13 M	Acrolein	0.315	0.308	2.2	100	0.00
14 M	Acrylonitrile	1.027	1.053	-2.5	103	0.00
15 M	Acetone	0.344	0.347	-0.9	97	0.00
16 M	Carbon Disulfide	4.561	5.313	-16.5	123	0.00
17	Allyl chloride	3.074	3.260	-6.1	111	0.00
18 M	Methylene Chloride	1.944	2.132	-9.7	111	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.991	-11.4	116	0.00
20 T	Diisopropyl ether	6.081	6.596	-8.5	111	0.00
21 M	1,1-Dichloroethane	3.304	3.527	-6.7	110	0.00
22 M	cis-1,2-Dichloroethene	2.054	2.232	-8.7	113	0.00
23 M	tert-Butyl Alcohol	0.425	0.451	-6.1	112	-0.02
24 M	Methyl tert-Butyl Ether	5.527	6.023	-9.0	112	0.00
25 M	Chloroform	3.200	3.415	-6.7	110	0.00
26	Cyclohexane	3.047	3.379	-10.9	115	0.00
27 s	1,2-Dichloroethane-d4	2.109	2.121	-0.6	99	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
29	1,1-Dichloropropene	0.440	0.476	-8.2	117	0.00
30 M	2-Butanone	0.279	0.277	0.7	103	-0.01
31	2,2-Dichloropropane	0.471	0.509	-8.1	118	0.00
32 M	1,1,1-Trichloroethane	0.487	0.513	-5.3	115	0.00
33 M	Carbon Tetrachloride	0.418	0.440	-5.3	115	0.00
34 M	Benzene	1.360	1.441	-6.0	112	0.00
35	Methacrylonitrile	0.278	0.273	1.8	104	0.00
36 M	1,2-Dichloroethane	0.473	0.481	-1.7	107	0.00
37 M	Trichloroethene	0.372	0.400	-7.5	114	0.00
38	Methylcyclohexane	0.548	0.604	-10.2	118	0.00
39 M	1,2-Dichloropropane	0.354	0.371	-4.8	112	0.00
40	Dibromomethane	0.227	0.234	-3.1	111	0.00
41 M	Bromodichloromethane	0.445	0.449	-0.9	111	0.00
42 M	Vinyl Acetate	0.859	0.907	-5.6	113	0.00
43	Ethyl Acetate	0.505	0.483	4.4	100	-0.01
44	Isopropyl Acetate	0.814	0.826	-1.5	109	0.00
45 T	1,4-Dioxane	0.008	0.009#	-12.5	108	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.400	0.409	-2.2	110	0.00
47	n-amyl Acetate	0.682	0.689	-1.0	115	0.00
48 M	t-1,3-Dichloropropene	0.486	0.514	-5.8	117	0.00
49 T	cis-1,3-Dichloropropene	0.547	0.582	-6.4	117	0.00
50 M	1,1,2-Trichloroethane	0.346	0.361	-4.3	110	0.00
51	Ethyl methacrylate	0.538	0.556	-3.3	116	0.00
52	1,3-Dichloropropane	0.586	0.602	-2.7	110	0.00
53 M	Dibromochloromethane	0.354	0.375	-5.9	118	0.00
54 M	1,2-Dibromoethane	0.359	0.376	-4.7	111	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.268	-8.5	118	0.00
56 M	Bromoform	0.272	0.265	2.6	108	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.577	-2.1	107	0.00
59 M	2-Hexanone	0.437	0.447	-2.3	106	0.00
60 S	4-Bromofluorobenzene	0.480	0.478	0.4	103	0.00
61 M	Tetrachloroethene	0.443	0.458	-3.4	109	0.00
62 M	Toluene	1.592	1.705	-7.1	113	0.00
63 S	Toluene-d8	1.355	1.369	-1.0	103	0.00
64 M	Chlorobenzene	0.994	1.077	-8.4	115	0.00
65	1,1,1,2-Tetrachloroethane	0.367	0.380	-3.5	110	0.00
66 M	Ethyl Benzene	1.734	1.878	-8.3	116	0.00
67 M	m/p-Xylenes	0.664	0.724	-9.0	116	0.00
68 M	o-Xylene	0.647	0.685	-5.9	114	0.00
69 M	Styrene	1.096	1.170	-6.8	116	0.00
70	Isopropylbenzene	1.694	1.855	-9.5	118	0.00
71 M	1,1,2,2-Tetrachloroethane	0.571	0.585	-2.5	109	0.00
72	1,2,3-Trichloropropane	0.488	0.504	-3.3	110	0.00
73	Bromobenzene	0.449	0.480	-6.9	115	0.00
74	n-propylbenzene	1.936	2.134	-10.2	120	0.00
75	2-Chlorotoluene	1.160	1.247	-7.5	116	0.00
76	1,3,5-Trimethylbenzene	1.412	1.527	-8.1	117	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.187	0.5	115	0.00
78	4-Chlorotoluene	1.318	1.437	-9.0	119	0.00
79	tert-butylbenzene	1.321	1.450	-9.8	120	0.00
80	1,2,4-Trimethylbenzene	1.408	1.516	-7.7	115	0.00
81	sec-Butylbenzene	1.634	1.801	-10.2	121	0.00
82	p-Isopropyltoluene	1.492	1.623	-8.8	118	0.00
83 M	1,3-Dichlorobenzene	0.784	0.853	-8.8	118	0.00
84 M	1,4-Dichlorobenzene	0.777	0.846	-8.9	121	0.00
85	n-Butylbenzene	1.305	1.428	-9.4	125	0.00
86 T	Hexachloroethane	0.268	0.276	-3.0	117	0.00
87 M	1,2-Dichlorobenzene	0.791	0.849	-7.3	116	0.00
88	1,2-Dibromo-3-Chloropropane	0.122	0.124	-1.6	111	0.00
89	1,2,4-Trichlorobenzene	0.522	0.582	-11.5	126	0.00
90	Hexachlorobutadiene	0.261	0.294	-12.6	125	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.576	1.676	-6.3	116	0.00
92	1,2,3-Trichlorobenzene	0.532	0.569	-7.0	119	0.00

(#) = Out of Range

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