

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020520\
 Data File : VX014812.D
 Acq On : 05 Feb 2020 10:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 06 03:37:07 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	105	0.00
2 M	Dichlorodifluoromethane	2.073	2.285	-10.2	115	0.00
3 M	Chloromethane	2.270	2.237	1.5	103	0.00
4 M	Vinyl Chloride	2.549	2.673	-4.9	111	0.00
5 M	Bromomethane	1.590	1.552	2.4	123	0.00
6 M	Chloroethane	1.437	1.482	-3.1	108	0.02
7 M	Trichlorofluoromethane	2.822	3.116	-10.4	122	0.00
8 T	Diethyl Ether	1.233	1.296	-5.1	118	0.00
9	1,1,2-Trichlorotrifluoroeth	1.651	1.821	-10.3	120	0.00
10 M	1,1-Dichloroethene	1.661	1.720	-3.6	116	0.00
11	Methyl Iodide	2.227	2.300	-3.3	118	0.00
12	Methyl Acetate	3.000	3.243	-8.1	116	0.00
13 M	Acrolein	0.315	0.290	7.9	101	0.00
14 M	Acrylonitrile	1.027	1.045	-1.8	109	0.00
15 M	Acetone	0.344	0.397	-15.4	119	0.00
16 M	Carbon Disulfide	4.561	4.617	-1.2	114	0.00
17	Allyl chloride	3.074	3.076	-0.1	112	0.00
18 M	Methylene Chloride	1.944	1.996	-2.7	112	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.880	-5.1	117	0.00
20 T	Diisopropyl ether	6.081	6.376	-4.9	115	0.00
21 M	1,1-Dichloroethane	3.304	3.426	-3.7	114	0.00
22 M	cis-1,2-Dichloroethene	2.054	2.165	-5.4	118	0.00
23 M	tert-Butyl Alcohol	0.425	0.439	-3.3	116	-0.03
24 M	Methyl tert-Butyl Ether	5.527	5.954	-7.7	119	0.00
25 M	Chloroform	3.200	3.450	-7.8	119	0.00
26	Cyclohexane	3.047	3.111	-2.1	113	0.00
27 s	1,2-Dichloroethane-d4	2.109	2.203	-4.5	110	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
29	1,1-Dichloropropene	0.440	0.468	-6.4	120	0.00
30 M	2-Butanone	0.279	0.308	-10.4	120	-0.01
31	2,2-Dichloropropane	0.471	0.514	-9.1	124	0.00
32 M	1,1,1-Trichloroethane	0.487	0.521	-7.0	122	0.00
33 M	Carbon Tetrachloride	0.418	0.456	-9.1	125	0.00
34 M	Benzene	1.360	1.416	-4.1	115	0.00
35	Methacrylonitrile	0.278	0.280	-0.7	111	0.00
36 M	1,2-Dichloroethane	0.473	0.506	-7.0	118	0.00
37 M	Trichloroethene	0.372	0.393	-5.6	117	0.00
38	Methylcyclohexane	0.548	0.581	-6.0	119	0.00
39 M	1,2-Dichloropropane	0.354	0.363	-2.5	114	0.00
40	Dibromomethane	0.227	0.238	-4.8	118	0.00
41 M	Bromodichloromethane	0.445	0.479	-7.6	123	0.00
42 M	Vinyl Acetate	0.859	0.903	-5.1	118	0.00
43	Ethyl Acetate	0.505	0.521	-3.2	112	-0.01
44	Isopropyl Acetate	0.814	0.836	-2.7	115	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	112	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.400	0.414	-3.5	117	0.00
47	n-amyl Acetate	0.682	0.689	-1.0	120	0.00
48 M	t-1,3-Dichloropropene	0.486	0.514	-5.8	122	0.00
49 T	cis-1,3-Dichloropropene	0.547	0.578	-5.7	121	0.00
50 M	1,1,2-Trichloroethane	0.346	0.370	-6.9	118	0.00
51	Ethyl methacrylate	0.538	0.548	-1.9	120	0.00
52	1,3-Dichloropropane	0.586	0.617	-5.3	118	0.00
53 M	Dibromochloromethane	0.354	0.387	-9.3	127	0.00
54 M	1,2-Dibromoethane	0.359	0.384	-7.0	119	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.241	2.4	111	0.00
56 M	Bromoform	0.272	0.290	-6.6	124	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.597	-5.7	115	0.00
59 M	2-Hexanone	0.437	0.489	-11.9	121	0.00
60 S	4-Bromofluorobenzene	0.480	0.477	0.6	107	0.00
61 M	Tetrachloroethene	0.443	0.477	-7.7	118	0.00
62 M	Toluene	1.592	1.698	-6.7	118	0.00
63 S	Toluene-d8	1.355	1.362	-0.5	107	0.00
64 M	Chlorobenzene	0.994	1.072	-7.8	120	0.00
65	1,1,1,2-Tetrachloroethane	0.367	0.401	-9.3	121	0.00
66 M	Ethyl Benzene	1.734	1.833	-5.7	118	0.00
67 M	m/p-Xylenes	0.664	0.717	-8.0	120	0.00
68 M	o-Xylene	0.647	0.675	-4.3	117	0.00
69 M	Styrene	1.096	1.171	-6.8	121	0.00
70	Isopropylbenzene	1.694	1.842	-8.7	122	0.00
71 M	1,1,2,2-Tetrachloroethane	0.571	0.591	-3.5	115	0.00
72	1,2,3-Trichloropropane	0.488	0.532	-9.0	122	0.00
73	Bromobenzene	0.449	0.485	-8.0	122	0.00
74	n-propylbenzene	1.936	2.118	-9.4	125	0.00
75	2-Chlorotoluene	1.160	1.255	-8.2	122	0.00
76	1,3,5-Trimethylbenzene	1.412	1.524	-7.9	122	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.188	0.0	121	0.00
78	4-Chlorotoluene	1.318	1.414	-7.3	122	0.00
79	tert-butylbenzene	1.321	1.452	-9.9	125	0.00
80	1,2,4-Trimethylbenzene	1.408	1.534	-8.9	122	0.00
81	sec-Butylbenzene	1.634	1.777	-8.8	125	0.00
82	p-Isopropyltoluene	1.492	1.629	-9.2	124	0.00
83 M	1,3-Dichlorobenzene	0.784	0.858	-9.4	124	0.00
84 M	1,4-Dichlorobenzene	0.777	0.845	-8.8	126	0.00
85	n-Butylbenzene	1.305	1.383	-6.0	126	0.00
86 T	Hexachloroethane	0.268	0.287	-7.1	127	0.00
87 M	1,2-Dichlorobenzene	0.791	0.853	-7.8	122	0.00
88	1,2-Dibromo-3-Chloropropane	0.122	0.126	-3.3	118	0.00
89	1,2,4-Trichlorobenzene	0.522	0.565	-8.2	127	0.00
90	Hexachlorobutadiene	0.261	0.289	-10.7	129	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.576	1.694	-7.5	123	0.00
92	1,2,3-Trichlorobenzene	0.532	0.576	-8.3	126	0.00

(#) = Out of Range

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