

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018506.D
 Acq On : 18 Sep 2020 20:27
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 21 03:58:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 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	119	0.01
2 M	Dichlorodifluoromethane	1.587	1.207	23.9	97	0.00
3 M	Chloromethane	1.686	1.288	23.6	98	0.00
4 M	Vinyl Chloride	1.776	1.456	18.0	105	0.00
5 M	Bromomethane	1.208	0.760	37.1#	73	0.00
6 M	Chloroethane	1.079	0.927	14.1	108	0.00
7 M	Trichlorofluoromethane	3.009	2.318	23.0	100	0.00
8 T	Diethyl Ether	0.949	0.781	17.7	105	0.00
9	1,1,2-Trichlorotrifluoroeth	1.537	1.218	20.8	101	0.00
10 M	1,1-Dichloroethene	1.509	1.263	16.3	107	0.00
11	Methyl Iodide	1.623	0.897	44.7#	87	0.00
12	Methyl Acetate	1.987	1.810	8.9	114	0.00
13 M	Acrolein	0.160	0.110	31.3#	99	0.00
14 M	Acrylonitrile	0.900	0.742	17.6	106	0.00
15 M	Acetone	0.245	0.196	20.0	101	0.00
16 M	Carbon Disulfide	4.394	3.548	19.3	102	0.00
17	Allyl chloride	2.697	2.230	17.3	107	0.00
18 M	Methylene Chloride	1.771	1.405	20.7	99	0.00
19 M	trans-1,2-Dichloroethene	1.676	1.367	18.4	106	0.00
20 T	Diisopropyl ether	5.340	4.646	13.0	109	0.00
21 M	1,1-Dichloroethane	3.065	2.495	18.6	103	0.00
22 M	cis-1,2-Dichloroethene	1.854	1.565	15.6	107	0.00
23 M	tert-Butyl Alcohol	0.390	0.345	11.5	118	0.00
24 M	Methyl tert-Butyl Ether	5.365	4.372	18.5	105	0.00
25 M	Chloroform	3.271	2.628	19.7	101	0.00
26	Cyclohexane	2.474	2.039	17.6	108	0.00
27 s	1,2-Dichloroethane-d4	2.367	2.334	1.4	115	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	121	0.00
29	1,1-Dichloropropene	0.458	0.365	20.3	106	0.00
30 M	2-Butanone	0.251	0.204	18.7	106	0.00
31	2,2-Dichloropropane	0.553	0.386	30.2#	92	0.00
32 M	1,1,1-Trichloroethane	0.599	0.473	21.0	103	0.00
33 M	Carbon Tetrachloride	0.559	0.430	23.1	100	0.00
34 M	Benzene	1.307	1.044	20.1	104	0.00
35	Methacrylonitrile	0.264	0.220	16.7	111	0.00
36 M	1,2-Dichloroethane	0.541	0.432	20.1	105	0.00
37 M	Trichloroethene	0.378	0.309	18.3	110	0.00
38	Methylcyclohexane	0.488	0.389	20.3	113	0.00
39 M	1,2-Dichloropropane	0.350	0.279	20.3	103	0.00
40	Dibromomethane	0.253	0.201	20.6	104	0.00
41 M	Bromodichloromethane	0.524	0.418	20.2	105	0.00
42 M	Vinyl Acetate	0.935	0.763	18.4	107	0.00
43	Ethyl Acetate	0.499	0.393	21.2	103	0.00
44	Isopropyl Acetate	0.804	0.654	18.7	108	0.00
45 T	1,4-Dioxane	0.007	0.005#	28.6	100	0.00

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Quant Time: Sep 21 03:58:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.395	0.317	19.7	112	0.00
47	n-amyl Acetate	0.706	0.556	21.2	110	0.00
48 M	t-1,3-Dichloropropene	0.563	0.444	21.1	106	0.00
49 T	cis-1,3-Dichloropropene	0.591	0.477	19.3	106	0.00
50 M	1,1,2-Trichloroethane	0.352	0.275	21.9	102	0.00
51	Ethyl methacrylate	0.510	0.414	18.8	112	0.00
52	1,3-Dichloropropane	0.585	0.473	19.1	106	0.00
53 M	Dibromochloromethane	0.438	0.338	22.8	105	0.00
54 M	1,2-Dibromoethane	0.386	0.304	21.2	105	0.00
55 M	2-Chloroethyl vinyl ether	0.267	0.225	15.7	113	0.00
56 M	Bromoform	0.333	0.262	21.3	110	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	121	0.00
58 M	4-Methyl-2-Pentanone	0.516	0.429	16.9	107	0.00
59 M	2-Hexanone	0.391	0.321	17.9	107	0.00
60 S	4-Bromofluorobenzene	0.520	0.507	2.5	118	0.00
61 M	Tetrachloroethene	0.374	0.289	22.7	99	0.00
62 M	Toluene	1.510	1.235	18.2	107	0.00
63 S	Toluene-d8	1.322	1.294	2.1	116	0.00
64 M	Chlorobenzene	0.970	0.803	17.2	107	0.00
65	1,1,1,2-Tetrachloroethane	0.393	0.310	21.1	104	0.00
66 M	Ethyl Benzene	1.668	1.347	19.2	107	0.00
67 M	m/p-Xylenes	0.638	0.520	18.5	107	0.00
68 M	o-Xylene	0.603	0.490	18.7	110	0.00
69 M	Styrene	1.052	0.850	19.2	108	0.00
70	Isopropylbenzene	1.676	1.336	20.3	105	0.00
71 M	1,1,2,2-Tetrachloroethane	0.548	0.452	17.5	108	0.00
72	1,2,3-Trichloropropane	0.526	0.420	20.2	103	0.00
73	Bromobenzene	0.459	0.378	17.6	108	0.00
74	n-propylbenzene	1.974	1.568	20.6	105	0.00
75	2-Chlorotoluene	1.196	0.929	22.3	102	0.00
76	1,3,5-Trimethylbenzene	1.460	1.154	21.0	105	0.00
77	t-1,4-Dichloro-2-butene	0.205	0.143	30.2#	96	0.00
78	4-Chlorotoluene	1.427	1.131	20.7	105	0.00
79	tert-butylbenzene	1.407	1.130	19.7	107	0.00
80	1,2,4-Trimethylbenzene	1.444	1.159	19.7	106	0.00
81	sec-Butylbenzene	1.643	1.282	22.0	105	0.00
82	p-Isopropyltoluene	1.532	1.192	22.2	105	0.00
83 M	1,3-Dichlorobenzene	0.821	0.652	20.6	104	0.00
84 M	1,4-Dichlorobenzene	0.821	0.672	18.1	106	0.00
85	n-Butylbenzene	1.349	1.044	22.6	107	0.00
86 T	Hexachloroethane	0.302	0.222	26.5	100	0.00
87 M	1,2-Dichlorobenzene	0.769	0.634	17.6	109	0.00
88	1,2-Dibromo-3-Chloropropane	0.140	0.108	22.9	107	0.00
89	1,2,4-Trichlorobenzene	0.520	0.421	19.0	111	0.00
90	Hexachlorobutadiene	0.220	0.175	20.5	102	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.624	1.342	17.4	114	0.00
92	1,2,3-Trichlorobenzene	0.515	0.429	16.7	114	0.00

(#) = Out of Range

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