

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092520\
 Data File : VX018609.D
 Acq On : 25 Sep 2020 20:24
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 28 03:44:22 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	95	0.01
2 M	Dichlorodifluoromethane	1.587	1.423	10.3	92	0.00
3 M	Chloromethane	1.686	1.507	10.6	92	0.00
4 M	Vinyl Chloride	1.776	1.678	5.5	97	0.00
5 M	Bromomethane	1.208	1.129	6.5	87	0.00
6 M	Chloroethane	1.079	1.082	-0.3	101	0.00
7 M	Trichlorofluoromethane	3.009	2.819	6.3	97	0.00
8 T	Diethyl Ether	0.949	0.986	-3.9	106	0.00
9	1,1,2-Trichlorotrifluoroeth	1.537	1.418	7.7	94	0.00
10 M	1,1-Dichloroethene	1.509	1.389	8.0	94	0.00
11	Methyl Iodide	1.623	1.616	0.4	126	0.00
12	Methyl Acetate	1.987	2.175	-9.5	110	0.00
13 M	Acrolein	0.160	0.085	46.9#	61	0.00
14 M	Acrylonitrile	0.900	0.910	-1.1	104	0.00
15 M	Acetone	0.245	0.229	6.5	94	0.01
16 M	Carbon Disulfide	4.394	4.085	7.0	94	0.00
17	Allyl chloride	2.697	2.633	2.4	101	0.00
18 M	Methylene Chloride	1.771	1.716	3.1	97	0.00
19 M	trans-1,2-Dichloroethene	1.676	1.624	3.1	101	0.00
20 T	Diisopropyl ether	5.340	5.467	-2.4	103	0.00
21 M	1,1-Dichloroethane	3.065	3.053	0.4	101	0.00
22 M	cis-1,2-Dichloroethene	1.854	1.812	2.3	99	0.00
23 M	tert-Butyl Alcohol	0.390	0.342	12.3	94	0.02
24 M	Methyl tert-Butyl Ether	5.365	5.496	-2.4	106	0.00
25 M	Chloroform	3.271	3.261	0.3	101	0.00
26	Cyclohexane	2.474	2.238	9.5	95	0.00
27 s	1,2-Dichloroethane-d4	2.367	2.407	-1.7	95	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	1,1-Dichloropropene	0.458	0.450	1.7	98	0.00
30 M	2-Butanone	0.251	0.255	-1.6	99	0.00
31	2,2-Dichloropropane	0.553	0.521	5.8	93	0.00
32 M	1,1,1-Trichloroethane	0.599	0.615	-2.7	100	0.00
33 M	Carbon Tetrachloride	0.559	0.550	1.6	95	-0.01
34 M	Benzene	1.307	1.332	-1.9	99	0.00
35	Methacrylonitrile	0.264	0.275	-4.2	104	0.00
36 M	1,2-Dichloroethane	0.541	0.588	-8.7	107	0.00
37 M	Trichloroethene	0.378	0.376	0.5	100	0.00
38	Methylcyclohexane	0.488	0.459	5.9	99	0.00
39 M	1,2-Dichloropropane	0.350	0.365	-4.3	101	0.00
40	Dibromomethane	0.253	0.270	-6.7	104	0.00
41 M	Bromodichloromethane	0.524	0.550	-5.0	104	0.00
42 M	Vinyl Acetate	0.935	1.000	-7.0	105	0.00
43	Ethyl Acetate	0.499	0.530	-6.2	104	0.00
44	Isopropyl Acetate	0.804	0.844	-5.0	104	0.00
45 T	1,4-Dioxane	0.007	0.005#	28.6	74	0.03

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Quant Time: Sep 28 03:44:22 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)
46	Methyl methacrylate	0.395	0.418	-5.8	110	0.00
47	n-amyl Acetate	0.706	0.711	-0.7	105	0.00
48 M	t-1,3-Dichloropropene	0.563	0.599	-6.4	107	0.00
49 T	cis-1,3-Dichloropropene	0.591	0.617	-4.4	102	0.00
50 M	1,1,2-Trichloroethane	0.352	0.377	-7.1	104	0.00
51	Ethyl methacrylate	0.510	0.536	-5.1	108	0.00
52	1,3-Dichloropropane	0.585	0.611	-4.4	103	0.00
53 M	Dibromochloromethane	0.438	0.452	-3.2	105	0.00
54 M	1,2-Dibromoethane	0.386	0.413	-7.0	107	0.00
55 M	2-Chloroethyl vinyl ether	0.267	0.291	-9.0	109	0.00
56 M	Bromoform	0.333	0.339	-1.8	107	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
58 M	4-Methyl-2-Pentanone	0.516	0.536	-3.9	103	0.00
59 M	2-Hexanone	0.391	0.403	-3.1	104	0.00
60 S	4-Bromofluorobenzene	0.520	0.501	3.7	90	0.00
61 M	Tetrachloroethene	0.374	0.344	8.0	91	0.00
62 M	Toluene	1.510	1.502	0.5	100	0.00
63 S	Toluene-d8	1.322	1.275	3.6	88	0.00
64 M	Chlorobenzene	0.970	0.966	0.4	99	0.00
65	1,1,1,2-Tetrachloroethane	0.393	0.396	-0.8	103	0.00
66 M	Ethyl Benzene	1.668	1.609	3.5	98	0.00
67 M	m/p-Xylenes	0.638	0.629	1.4	100	0.00
68 M	o-Xylene	0.603	0.601	0.3	104	0.00
69 M	Styrene	1.052	1.053	-0.1	103	0.00
70	Isopropylbenzene	1.676	1.609	4.0	98	0.00
71 M	1,1,2,2-Tetrachloroethane	0.548	0.574	-4.7	105	0.00
72	1,2,3-Trichloropropane	0.526	0.527	-0.2	99	0.00
73	Bromobenzene	0.459	0.430	6.3	95	0.00
74	n-propylbenzene	1.974	1.862	5.7	96	0.00
75	2-Chlorotoluene	1.196	1.123	6.1	95	0.00
76	1,3,5-Trimethylbenzene	1.460	1.370	6.2	96	0.00
77	t-1,4-Dichloro-2-butene	0.205	0.184	10.2	95	0.00
78	4-Chlorotoluene	1.427	1.355	5.0	97	0.00
79	tert-butylbenzene	1.407	1.343	4.5	98	0.00
80	1,2,4-Trimethylbenzene	1.444	1.382	4.3	97	0.00
81	sec-Butylbenzene	1.643	1.553	5.5	98	0.00
82	p-Isopropyltoluene	1.532	1.456	5.0	99	0.00
83 M	1,3-Dichlorobenzene	0.821	0.785	4.4	96	0.00
84 M	1,4-Dichlorobenzene	0.821	0.777	5.4	95	0.00
85	n-Butylbenzene	1.349	1.250	7.3	98	0.00
86 T	Hexachloroethane	0.302	0.265	12.3	92	0.00
87 M	1,2-Dichlorobenzene	0.769	0.789	-2.6	104	0.00
88	1,2-Dibromo-3-Chloropropane	0.140	0.138	1.4	106	0.00
89	1,2,4-Trichlorobenzene	0.520	0.530	-1.9	108	0.00
90	Hexachlorobutadiene	0.220	0.214	2.7	96	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.624	1.665	-2.5	109	0.00
92	1,2,3-Trichlorobenzene	0.515	0.532	-3.3	109	0.00

(#) = Out of Range

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