

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX102819\
 Data File : VX013259.D
 Acq On : 28 Oct 2019 19:37
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 29 14:33:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 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	81	0.00
2 M	Dichlorodifluoromethane	2.154	1.919	10.9	72	0.00
3 M	Chloromethane	1.878	1.509	19.6	67	0.00
4 M	Vinyl Chloride	1.941	1.621	16.5	69	0.00
5 M	Bromomethane	1.048	1.098	-4.8	75	0.00
6 M	Chloroethane	1.239	1.040	16.1	68	0.00
7 M	Trichlorofluoromethane	3.120	2.923	6.3	77	0.00
8 T	Diethyl Ether	1.065	0.931	12.6	73	0.00
9	1,1,2-Trichlorotrifluoroeth	1.906	1.691	11.3	75	0.00
10 M	1,1-Dichloroethene	1.840	1.602	12.9	72	0.00
11	Methyl Iodide	2.370	1.885	20.5	69	0.00
12	Methyl Acetate	2.377	2.053	13.6	70	0.00
13 M	Acrolein	0.354	0.330	6.8	72	0.00
14 M	Acrylonitrile	0.994	0.870	12.5	71	0.00
15 M	Acetone	0.327	0.255	22.0	60	0.00
16 M	Carbon Disulfide	4.915	4.052	17.6	70	0.00
17	Allyl chloride	2.927	2.437	16.7	69	0.00
18 M	Methylene Chloride	2.131	1.821	14.5	71	0.00
19 M	trans-1,2-Dichloroethene	1.953	1.711	12.4	72	0.00
20 T	Diisopropyl ether	5.662	4.935	12.8	71	0.00
21 M	1,1-Dichloroethane	3.438	3.063	10.9	74	0.00
22 M	cis-1,2-Dichloroethene	2.227	1.971	11.5	72	0.00
23 M	tert-Butyl Alcohol	0.524	0.422	19.5	66	0.00
24 M	Methyl tert-Butyl Ether	6.347	5.768	9.1	76	0.00
25 M	Chloroform	3.613	3.413	5.5	78	0.00
26	Cyclohexane	3.016	2.541	15.7	70	0.00
27 s	1,2-Dichloroethane-d4	2.362	2.435	-3.1	84	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	79	0.00
29	1,1-Dichloropropene	0.466	0.434	6.9	73	0.00
30 M	2-Butanone	0.244	0.214	12.3	67	0.00
31	2,2-Dichloropropane	0.539	0.483	10.4	72	0.00
32 M	1,1,1-Trichloroethane	0.564	0.567	-0.5	80	0.00
33 M	Carbon Tetrachloride	0.485	0.481	0.8	80	0.00
34 M	Benzene	1.342	1.235	8.0	72	0.00
35	Methacrylonitrile	0.251	0.224	10.8	71	0.00
36 M	1,2-Dichloroethane	0.507	0.508	-0.2	78	0.00
37 M	Trichloroethene	0.372	0.360	3.2	77	0.00
38	Methylcyclohexane	0.568	0.496	12.7	71	0.00
39 M	1,2-Dichloropropane	0.329	0.302	8.2	72	0.00
40	Dibromomethane	0.235	0.225	4.3	75	0.00
41 M	Bromodichloromethane	0.474	0.451	4.9	76	0.00
42 M	Vinyl Acetate	0.848	0.753	11.2	69	0.00
43	Ethyl Acetate	0.446	0.411	7.8	74	0.00
44	Isopropyl Acetate	0.749	0.669	10.7	70	0.00
45 T	1,4-Dioxane	0.009	0.007#	22.2	60	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.369	0.327	11.4	70	0.00
47	n-amyl Acetate	0.632	0.560	11.4	74	0.00
48 M	t-1,3-Dichloropropene	0.520	0.472	9.2	75	0.00
49 T	cis-1,3-Dichloropropene	0.566	0.524	7.4	74	0.00
50 M	1,1,2-Trichloroethane	0.347	0.330	4.9	75	0.00
51	Ethyl methacrylate	0.545	0.497	8.8	74	0.00
52	1,3-Dichloropropane	0.585	0.560	4.3	75	0.00
53 M	Dibromochloromethane	0.375	0.370	1.3	81	0.00
54 M	1,2-Dibromoethane	0.371	0.362	2.4	76	0.00
55 M	2-Chloroethyl vinyl ether	0.221	0.210	5.0	76	0.00
56 M	Bromoform	0.266	0.246	7.5	78	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
58 M	4-Methyl-2-Pentanone	0.506	0.455	10.1	70	0.00
59 M	2-Hexanone	0.396	0.348	12.1	68	0.00
60 S	4-Bromofluorobenzene	0.522	0.534	-2.3	82	0.00
61 M	Tetrachloroethene	0.398	0.403	-1.3	77	0.00
62 M	Toluene	1.619	1.519	6.2	74	0.00
63 S	Toluene-d8	1.334	1.373	-2.9	80	0.00
64 M	Chlorobenzene	1.038	0.952	8.3	73	0.00
65	1,1,1,2-Tetrachloroethane	0.389	0.375	3.6	76	0.00
66 M	Ethyl Benzene	1.864	1.761	5.5	76	0.00
67 M	m/p-Xylenes	0.708	0.647	8.6	73	0.00
68 M	o-Xylene	0.676	0.635	6.1	77	0.00
69 M	Styrene	1.164	1.085	6.8	75	0.00
70	Isopropylbenzene	1.856	1.768	4.7	76	0.00
71 M	1,1,2,2-Tetrachloroethane	0.569	0.510	10.4	73	0.00
72	1,2,3-Trichloropropane	0.494	0.512	-3.6	75	0.00
73	Bromobenzene	0.445	0.422	5.2	78	0.00
74	n-propylbenzene	2.037	1.818	10.8	72	0.00
75	2-Chlorotoluene	1.274	1.128	11.5	71	0.00
76	1,3,5-Trimethylbenzene	1.558	1.438	7.7	76	0.00
77	t-1,4-Dichloro-2-butene	0.192	0.155	19.3	69	0.00
78	4-Chlorotoluene	1.456	1.363	6.4	77	0.00
79	tert-butylbenzene	1.500	1.405	6.3	79	0.00
80	1,2,4-Trimethylbenzene	1.556	1.463	6.0	78	0.00
81	sec-Butylbenzene	1.787	1.577	11.8	72	0.00
82	p-Isopropyltoluene	1.634	1.485	9.1	75	0.00
83 M	1,3-Dichlorobenzene	0.813	0.767	5.7	79	0.00
84 M	1,4-Dichlorobenzene	0.804	0.757	5.8	78	0.00
85	n-Butylbenzene	1.388	1.216	12.4	74	0.00
86 T	Hexachloroethane	0.285	0.252	11.6	75	0.00
87 M	1,2-Dichlorobenzene	0.789	0.736	6.7	75	0.00
88	1,2-Dibromo-3-Chloropropane	0.140	0.133	5.0	76	0.00
89	1,2,4-Trichlorobenzene	0.491	0.452	7.9	78	0.00
90	Hexachlorobutadiene	0.249	0.228	8.4	79	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.596	1.454	8.9	75	0.00
92	1,2,3-Trichlorobenzene	0.503	0.458	8.9	76	0.00

(#) = Out of Range

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