

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX102819\
 Data File : VX013240.D
 Acq On : 28 Oct 2019 11:45
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 29 14:19:55 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	109	0.00
2 M	Dichlorodifluoromethane	2.154	1.909	11.4	96	0.00
3 M	Chloromethane	1.878	1.480	21.2	88	0.00
4 M	Vinyl Chloride	1.941	1.543	20.5	89	0.00
5 M	Bromomethane	1.048	0.972	7.3	90	0.00
6 M	Chloroethane	1.239	1.047	15.5	92	0.00
7 M	Trichlorofluoromethane	3.120	2.796	10.4	99	0.00
8 T	Diethyl Ether	1.065	0.925	13.1	98	0.00
9	1,1,2-Trichlorotrifluoroeth	1.906	1.676	12.1	101	0.00
10 M	1,1-Dichloroethene	1.840	1.597	13.2	97	0.00
11	Methyl Iodide	2.370	1.651	30.3#	82	0.00
12	Methyl Acetate	2.377	1.854	22.0	85	0.00
13 M	Acrolein	0.354	0.245	30.8#	73	0.00
14 M	Acrylonitrile	0.994	0.786	20.9	86	0.00
15 M	Acetone	0.327	0.322	1.5	102	0.00
16 M	Carbon Disulfide	4.915	4.015	18.3	93	0.00
17	Allyl chloride	2.927	2.372	19.0	91	0.00
18 M	Methylene Chloride	2.131	1.712	19.7	91	0.00
19 M	trans-1,2-Dichloroethene	1.953	1.686	13.7	96	0.00
20 T	Diisopropyl ether	5.662	4.693	17.1	91	0.00
21 M	1,1-Dichloroethane	3.438	2.914	15.2	95	0.00
22 M	cis-1,2-Dichloroethene	2.227	1.881	15.5	93	0.00
23 M	tert-Butyl Alcohol	0.524	0.422	19.5	89	0.00
24 M	Methyl tert-Butyl Ether	6.347	5.510	13.2	98	0.00
25 M	Chloroform	3.613	3.205	11.3	99	0.00
26	Cyclohexane	3.016	2.482	17.7	93	0.00
27 s	1,2-Dichloroethane-d4	2.362	2.387	-1.1	111	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
29	1,1-Dichloropropene	0.466	0.418	10.3	96	0.00
30 M	2-Butanone	0.244	0.216	11.5	92	-0.01
31	2,2-Dichloropropane	0.539	0.504	6.5	102	0.00
32 M	1,1,1-Trichloroethane	0.564	0.535	5.1	103	0.00
33 M	Carbon Tetrachloride	0.485	0.462	4.7	104	0.00
34 M	Benzene	1.342	1.181	12.0	93	0.00
35	Methacrylonitrile	0.251	0.213	15.1	92	0.00
36 M	1,2-Dichloroethane	0.507	0.467	7.9	97	0.00
37 M	Trichloroethene	0.372	0.342	8.1	99	0.00
38	Methylcyclohexane	0.568	0.505	11.1	98	0.00
39 M	1,2-Dichloropropane	0.329	0.282	14.3	91	0.00
40	Dibromomethane	0.235	0.213	9.4	96	0.00
41 M	Bromodichloromethane	0.474	0.436	8.0	99	0.00
42 M	Vinyl Acetate	0.848	0.728	14.2	91	0.00
43	Ethyl Acetate	0.446	0.371	16.8	91	0.00
44	Isopropyl Acetate	0.749	0.649	13.4	92	0.00
45 T	1,4-Dioxane	0.009	0.008#	11.1	87	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.369	0.314	14.9	91	0.00
47	n-amyl Acetate	0.632	0.523	17.2	93	0.00
48 M	t-1,3-Dichloropropene	0.520	0.479	7.9	103	0.00
49 T	cis-1,3-Dichloropropene	0.566	0.516	8.8	99	0.00
50 M	1,1,2-Trichloroethane	0.347	0.308	11.2	94	0.00
51	Ethyl methacrylate	0.545	0.479	12.1	97	0.00
52	1,3-Dichloropropane	0.585	0.522	10.8	95	0.00
53 M	Dibromochloromethane	0.375	0.351	6.4	104	0.00
54 M	1,2-Dibromoethane	0.371	0.336	9.4	96	0.00
55 M	2-Chloroethyl vinyl ether	0.221	0.190	14.0	94	0.00
56 M	Bromoform	0.266	0.245	7.9	106	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
58 M	4-Methyl-2-Pentanone	0.506	0.420	17.0	88	0.00
59 M	2-Hexanone	0.396	0.333	15.9	90	0.00
60 S	4-Bromofluorobenzene	0.522	0.524	-0.4	110	0.00
61 M	Tetrachloroethene	0.398	0.384	3.5	100	0.00
62 M	Toluene	1.619	1.438	11.2	96	0.00
63 S	Toluene-d8	1.334	1.328	0.4	106	0.00
64 M	Chlorobenzene	1.038	0.923	11.1	98	0.00
65	1,1,1,2-Tetrachloroethane	0.389	0.361	7.2	101	0.00
66 M	Ethyl Benzene	1.864	1.673	10.2	99	0.00
67 M	m/p-Xylenes	0.708	0.628	11.3	97	0.00
68 M	o-Xylene	0.676	0.608	10.1	102	0.00
69 M	Styrene	1.164	1.029	11.6	97	0.00
70	Isopropylbenzene	1.856	1.669	10.1	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.569	0.487	14.4	96	0.00
72	1,2,3-Trichloropropane	0.494	0.493	0.2	99	0.00
73	Bromobenzene	0.445	0.391	12.1	100	0.00
74	n-propylbenzene	2.037	1.778	12.7	97	0.00
75	2-Chlorotoluene	1.274	1.085	14.8	94	0.00
76	1,3,5-Trimethylbenzene	1.558	1.367	12.3	99	0.00
77	t-1,4-Dichloro-2-butene	0.192	0.159	17.2	97	0.00
78	4-Chlorotoluene	1.456	1.288	11.5	100	0.00
79	tert-butylbenzene	1.500	1.337	10.9	103	0.00
80	1,2,4-Trimethylbenzene	1.556	1.461	6.1	106	0.00
81	sec-Butylbenzene	1.787	1.573	12.0	98	0.00
82	p-Isopropyltoluene	1.634	1.442	11.8	100	0.00
83 M	1,3-Dichlorobenzene	0.813	0.716	11.9	101	0.00
84 M	1,4-Dichlorobenzene	0.804	0.704	12.4	100	0.00
85	n-Butylbenzene	1.388	1.195	13.9	100	0.00
86 T	Hexachloroethane	0.285	0.241	15.4	98	0.00
87 M	1,2-Dichlorobenzene	0.789	0.677	14.2	95	0.00
88	1,2-Dibromo-3-Chloropropane	0.140	0.119	15.0	93	0.00
89	1,2,4-Trichlorobenzene	0.491	0.441	10.2	104	0.00
90	Hexachlorobutadiene	0.249	0.230	7.6	110	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.596	1.342	15.9	95	0.00
92	1,2,3-Trichlorobenzene	0.503	0.440	12.5	100	0.00

(#) = Out of Range

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