

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX031519\
 Data File : VX008102.D
 Acq On : 15 Mar 2019 12:20
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 15 14:36:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 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	97	0.00
2 M	Dichlorodifluoromethane	1.781	1.641	7.9	88	0.00
3 M	Chloromethane	1.980	1.468	25.9	73	0.00
4 M	Vinyl Chloride	1.962	1.520	22.5	80	0.00
5 M	Bromomethane	0.978	0.962	1.6	89	0.00
6 M	Chloroethane	1.146	0.940	18.0	82	0.00
7 M	Trichlorofluoromethane	2.443	2.188	10.4	93	0.00
8 T	Diethyl Ether	1.258	1.117	11.2	86	0.00
9	1,1,2-Trichlorotrifluoroeth	1.837	1.816	1.1	97	0.00
10 M	1,1-Dichloroethene	1.741	1.655	4.9	92	0.00
11	Methyl Iodide	2.725	2.611	4.2	93	0.00
12	Methyl Acetate	2.753	2.119	23.0	78	0.00
13 M	Acrolein	0.323	0.247	23.5	81	0.00
14 M	Acrylonitrile	1.169	0.973	16.8	79	0.00
15 M	Acetone	0.422	0.324	23.2	65	0.00
16 M	Carbon Disulfide	5.462	4.688	14.2	83	0.00
17	Allyl chloride	3.569	2.773	22.3	76	0.00
18 M	Methylene Chloride	1.983	1.778	10.3	87	0.00
19 M	trans-1,2-Dichloroethene	1.842	1.782	3.3	94	0.00
20 T	Diisopropyl ether	6.529	5.639	13.6	83	0.00
21 M	1,1-Dichloroethane	3.551	3.267	8.0	89	0.00
22 M	cis-1,2-Dichloroethene	2.125	2.040	4.0	94	0.00
23 M	tert-Butyl Alcohol	0.471	0.411	12.7	81	0.00
24 M	Methyl tert-Butyl Ether	5.985	5.406	9.7	88	0.00
25 M	Chloroform	3.352	3.214	4.1	93	0.00
26	Cyclohexane	3.281	2.976	9.3	89	0.00
27 s	1,2-Dichloroethane-d4	1.972	1.823	7.6	90	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.476	0.460	3.4	92	0.00
30 M	2-Butanone	0.321	0.275	14.3	75	0.00
31	2,2-Dichloropropane	0.439	0.449	-2.3	101	0.00
32 M	1,1,1-Trichloroethane	0.514	0.514	0.0	96	0.00
33 M	Carbon Tetrachloride	0.456	0.456	0.0	97	0.00
34 M	Benzene	1.458	1.401	3.9	91	0.00
35	Methacrylonitrile	0.313	0.273	12.8	82	0.00
36 M	1,2-Dichloroethane	0.474	0.455	4.0	90	0.00
37 M	Trichloroethene	0.395	0.411	-4.1	100	0.00
38	Methylcyclohexane	0.605	0.599	1.0	97	0.00
39 M	1,2-Dichloropropane	0.380	0.358	5.8	90	0.00
40	Dibromomethane	0.241	0.235	2.5	93	0.00
41 M	Bromodichloromethane	0.456	0.429	5.9	91	0.00
42 M	Vinyl Acetate	1.039	0.915	11.9	82	0.00
43	Ethyl Acetate	0.559	0.485	13.2	82	0.00
44	Isopropyl Acetate	0.853	0.740	13.2	83	0.00
45 T	1,4-Dioxane	0.009	0.009#	0.0	90	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.448	0.385	14.1	81	0.00
47	n-amyl Acetate	0.735	0.617	16.1	79	0.00
48 M	t-1,3-Dichloropropene	0.494	0.456	7.7	92	0.00
49 T	cis-1,3-Dichloropropene	0.559	0.529	5.4	93	0.00
50 M	1,1,2-Trichloroethane	0.368	0.361	1.9	93	0.00
51	Ethyl methacrylate	0.557	0.518	7.0	88	0.00
52	1,3-Dichloropropane	0.607	0.584	3.8	90	0.00
53 M	Dibromochloromethane	0.378	0.372	1.6	95	0.00
54 M	1,2-Dibromoethane	0.384	0.384	0.0	93	0.00
55 M	2-Chloroethyl vinyl ether	0.259	0.229	11.6	87	0.00
56 M	Bromoform	0.302	0.294	2.6	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	0.618	0.557	9.9	81	0.00
59 M	2-Hexanone	0.488	0.433	11.3	77	0.00
60 S	4-Bromofluorobenzene	0.479	0.473	1.3	94	0.00
61 M	Tetrachloroethene	0.438	0.496	-13.2	106	0.00
62 M	Toluene	1.752	1.711	2.3	92	0.00
63 S	Toluene-d8	1.373	1.352	1.5	94	0.00
64 M	Chlorobenzene	1.116	1.125	-0.8	94	0.00
65	1,1,1,2-Tetrachloroethane	0.400	0.411	-2.7	98	0.00
66 M	Ethyl Benzene	1.882	1.849	1.8	94	0.00
67 M	m/p-Xylenes	0.721	0.726	-0.7	95	0.00
68 M	o-Xylene	0.701	0.701	0.0	95	0.00
69 M	Styrene	1.154	1.139	1.3	93	0.00
70	Isopropylbenzene	1.872	1.912	-2.1	96	0.00
71 M	1,1,2,2-Tetrachloroethane	0.618	0.595	3.7	88	0.00
72	1,2,3-Trichloropropane	0.583	0.581	0.3	91	0.00
73	Bromobenzene	0.498	0.521	-4.6	98	0.00
74	n-propylbenzene	2.112	2.096	0.8	94	0.00
75	2-Chlorotoluene	1.266	1.260	0.5	93	0.00
76	1,3,5-Trimethylbenzene	1.551	1.604	-3.4	97	0.00
77	t-1,4-Dichloro-2-butene	0.180	0.168	6.7	93	0.00
78	4-Chlorotoluene	1.431	1.428	0.2	94	0.00
79	tert-butylbenzene	1.665	1.747	-4.9	99	0.00
80	1,2,4-Trimethylbenzene	1.575	1.635	-3.8	98	0.00
81	sec-Butylbenzene	1.865	1.893	-1.5	97	0.00
82	p-Isopropyltoluene	1.665	1.747	-4.9	99	0.00
83 M	1,3-Dichlorobenzene	0.886	0.938	-5.9	102	0.00
84 M	1,4-Dichlorobenzene	0.887	0.917	-3.4	98	0.00
85	n-Butylbenzene	1.424	1.402	1.5	96	0.00
86 T	Hexachloroethane	0.271	0.267	1.5	98	0.00
87 M	1,2-Dichlorobenzene	0.876	0.915	-4.5	99	0.00
88	1,2-Dibromo-3-Chloropropane	0.126	0.116	7.9	86	0.00
89	1,2,4-Trichlorobenzene	0.629	0.659	-4.8	100	0.00
90	Hexachlorobutadiene	0.347	0.369	-6.3	99	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.804	1.838	-1.9	96	0.00
92	1,2,3-Trichlorobenzene	0.626	0.667	-6.5	102	0.00

(#) = Out of Range

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