

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX112219\
 Data File : VX013547.D
 Acq On : 22 Nov 2019 20:37
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 23 00:17:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 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	90	0.00
2 M	Dichlorodifluoromethane	2.248	2.135	5.0	89	0.00
3 M	Chloromethane	2.450	2.280	6.9	88	0.00
4 M	Vinyl Chloride	2.784	2.643	5.1	90	0.00
5 M	Bromomethane	1.673	1.442	13.8	92	0.00
6 M	Chloroethane	1.530	1.410	7.8	89	0.00
7 M	Trichlorofluoromethane	2.997	2.810	6.2	91	0.00
8 T	Diethyl Ether	1.368	1.301	4.9	93	0.00
9	1,1,2-Trichlorotrifluoroeth	1.803	1.692	6.2	91	0.00
10 M	1,1-Dichloroethene	1.853	1.754	5.3	93	0.00
11	Methyl Iodide	2.288	1.946	14.9	88	0.00
12	Methyl Acetate	3.247	3.223	0.7	96	0.00
13 M	Acrolein	0.345	0.302	12.5	85	0.00
14 M	Acrylonitrile	1.194	1.131	5.3	93	0.00
15 M	Acetone	0.362	0.298	17.7	71	0.00
16 M	Carbon Disulfide	5.168	4.566	11.6	88	0.00
17	Allyl chloride	3.412	3.023	11.4	86	0.00
18 M	Methylene Chloride	2.102	2.039	3.0	97	0.00
19 M	trans-1,2-Dichloroethene	1.980	1.894	4.3	95	0.00
20 T	Diisopropyl ether	6.564	6.177	5.9	92	0.00
21 M	1,1-Dichloroethane	3.575	3.316	7.2	91	0.00
22 M	cis-1,2-Dichloroethene	2.258	2.131	5.6	93	0.00
23 M	tert-Butyl Alcohol	0.575	0.493	14.3	88	0.00
24 M	Methyl tert-Butyl Ether	6.132	5.840	4.8	93	0.00
25 M	Chloroform	3.500	3.232	7.7	90	0.00
26	Cyclohexane	3.247	2.978	8.3	91	0.00
27 s	1,2-Dichloroethane-d4	2.215	2.140	3.4	90	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	1,1-Dichloropropene	0.458	0.440	3.9	92	0.00
30 M	2-Butanone	0.302	0.282	6.6	84	0.00
31	2,2-Dichloropropane	0.496	0.405	18.3	76	0.00
32 M	1,1,1-Trichloroethane	0.509	0.493	3.1	91	0.00
33 M	Carbon Tetrachloride	0.442	0.419	5.2	89	0.00
34 M	Benzene	1.390	1.373	1.2	92	0.00
35	Methacrylonitrile	0.302	0.308	-2.0	95	0.00
36 M	1,2-Dichloroethane	0.486	0.475	2.3	91	0.00
37 M	Trichloroethene	0.372	0.386	-3.8	99	0.00
38	Methylcyclohexane	0.562	0.538	4.3	91	0.00
39 M	1,2-Dichloropropane	0.359	0.356	0.8	94	0.00
40	Dibromomethane	0.239	0.229	4.2	90	0.00
41 M	Bromodichloromethane	0.467	0.443	5.1	89	0.00
42 M	Vinyl Acetate	0.952	0.733	23.0	72	0.00
43	Ethyl Acetate	0.552	0.520	5.8	87	0.00
44	Isopropyl Acetate	0.887	0.855	3.6	92	0.00
45 T	1,4-Dioxane	0.010	0.009#	10.0	89	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.441	0.425	3.6	93	0.00
47	n-amyl Acetate	0.778	0.734	5.7	92	0.00
48 M	t-1,3-Dichloropropene	0.524	0.465	11.3	88	0.00
49 T	cis-1,3-Dichloropropene	0.574	0.533	7.1	89	0.00
50 M	1,1,2-Trichloroethane	0.354	0.354	0.0	93	0.00
51	Ethyl methacrylate	0.583	0.558	4.3	94	0.00
52	1,3-Dichloropropane	0.605	0.603	0.3	93	0.00
53 M	Dibromochloromethane	0.375	0.353	5.9	91	0.00
54 M	1,2-Dibromoethane	0.378	0.370	2.1	91	0.00
55 M	2-Chloroethyl vinyl ether	0.249	0.228	8.4	85	0.00
56 M	Bromoform	0.298	0.267	10.4	90	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	0.627	0.612	2.4	92	0.00
59 M	2-Hexanone	0.496	0.476	4.0	90	0.00
60 S	4-Bromofluorobenzene	0.482	0.479	0.6	92	0.00
61 M	Tetrachloroethene	0.370	0.565	-52.7#	148	0.00
62 M	Toluene	1.671	1.632	2.3	92	0.00
63 S	Toluene-d8	1.357	1.372	-1.1	92	0.00
64 M	Chlorobenzene	1.045	1.015	2.9	94	0.00
65	1,1,1,2-Tetrachloroethane	0.391	0.378	3.3	94	0.00
66 M	Ethyl Benzene	1.836	1.776	3.3	93	0.00
67 M	m/p-Xylenes	0.708	0.678	4.2	93	0.00
68 M	o-Xylene	0.683	0.669	2.0	95	0.00
69 M	Styrene	1.167	1.110	4.9	92	0.00
70	Isopropylbenzene	1.801	1.750	2.8	93	0.00
71 M	1,1,2,2-Tetrachloroethane	0.645	0.589	8.7	88	0.00
72	1,2,3-Trichloropropane	0.544	0.503	7.5	95	0.00
73	Bromobenzene	0.475	0.454	4.4	93	0.00
74	n-propylbenzene	2.047	1.979	3.3	94	0.00
75	2-Chlorotoluene	1.217	1.181	3.0	94	0.00
76	1,3,5-Trimethylbenzene	1.514	1.458	3.7	93	0.00
77	t-1,4-Dichloro-2-butene	0.220	0.174	20.9	81	0.00
78	4-Chlorotoluene	1.394	1.333	4.4	94	0.00
79	tert-butylbenzene	1.527	1.268	17.0	80	0.00
80	1,2,4-Trimethylbenzene	1.508	1.476	2.1	95	0.00
81	sec-Butylbenzene	1.742	1.665	4.4	94	0.00
82	p-Isopropyltoluene	1.605	1.523	5.1	93	0.00
83 M	1,3-Dichlorobenzene	0.835	0.794	4.9	95	0.00
84 M	1,4-Dichlorobenzene	0.829	0.786	5.2	95	0.00
85	n-Butylbenzene	1.386	1.286	7.2	93	0.00
86 T	Hexachloroethane	0.295	0.261	11.5	91	0.00
87 M	1,2-Dichlorobenzene	0.835	0.800	4.2	94	0.00
88	1,2-Dibromo-3-Chloropropane	0.144	0.133	7.6	94	0.00
89	1,2,4-Trichlorobenzene	0.576	0.551	4.3	97	0.00
90	Hexachlorobutadiene	0.276	0.261	5.4	95	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.823	1.734	4.9	95	0.00
92	1,2,3-Trichlorobenzene	0.582	0.554	4.8	95	0.00

(#) = Out of Range

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