

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX120719\
 Data File : VX013844.D
 Acq On : 07 Dec 2019 16:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 09 03:05:47 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	80	0.00
2 M	Dichlorodifluoromethane	2.248	2.160	3.9	80	0.00
3 M	Chloromethane	2.450	2.305	5.9	79	0.00
4 M	Vinyl Chloride	2.784	2.666	4.2	81	0.00
5 M	Bromomethane	1.673	1.105	34.0#	63	0.00
6 M	Chloroethane	1.530	1.486	2.9	84	0.00
7 M	Trichlorofluoromethane	2.997	2.822	5.8	82	0.00
8 T	Diethyl Ether	1.368	1.337	2.3	85	0.00
9	1,1,2-Trichlorotrifluoroeth	1.803	1.803	0.0	86	0.00
10 M	1,1-Dichloroethene	1.853	1.800	2.9	85	0.00
11	Methyl Iodide	2.288	1.228	46.3#	49	0.00
12	Methyl Acetate	3.247	3.148	3.0	84	0.00
13 M	Acrolein	0.345	0.342	0.9	86	0.00
14 M	Acrylonitrile	1.194	1.084	9.2	79	0.00
15 M	Acetone	0.362	0.285	21.3	60	0.00
16 M	Carbon Disulfide	5.168	4.631	10.4	79	0.00
17	Allyl chloride	3.412	3.138	8.0	80	0.00
18 M	Methylene Chloride	2.102	2.075	1.3	87	0.00
19 M	trans-1,2-Dichloroethene	1.980	1.862	6.0	83	0.00
20 T	Diisopropyl ether	6.564	6.507	0.9	86	0.00
21 M	1,1-Dichloroethane	3.575	3.512	1.8	86	0.00
22 M	cis-1,2-Dichloroethene	2.258	2.193	2.9	85	0.00
23 M	tert-Butyl Alcohol	0.575	0.406	29.4	65	0.00
24 M	Methyl tert-Butyl Ether	6.132	5.932	3.3	84	0.00
25 M	Chloroform	3.500	3.419	2.3	85	0.00
26	Cyclohexane	3.247	3.117	4.0	85	0.00
27 s	1,2-Dichloroethane-d4	2.215	2.111	4.7	79	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
29	1,1-Dichloropropene	0.458	0.459	-0.2	85	0.00
30 M	2-Butanone	0.302	0.268	11.3	71	0.00
31	2,2-Dichloropropane	0.496	0.492	0.8	82	0.00
32 M	1,1,1-Trichloroethane	0.509	0.511	-0.4	84	0.00
33 M	Carbon Tetrachloride	0.442	0.433	2.0	81	0.00
34 M	Benzene	1.390	1.437	-3.4	86	0.00
35	Methacrylonitrile	0.302	0.298	1.3	81	0.00
36 M	1,2-Dichloroethane	0.486	0.494	-1.6	84	0.00
37 M	Trichloroethene	0.372	0.375	-0.8	85	0.00
38	Methylcyclohexane	0.562	0.555	1.2	83	0.00
39 M	1,2-Dichloropropane	0.359	0.367	-2.2	86	0.00
40	Dibromomethane	0.239	0.241	-0.8	84	0.00
41 M	Bromodichloromethane	0.467	0.456	2.4	81	0.00
42 M	Vinyl Acetate	0.952	0.948	0.4	83	0.00
43	Ethyl Acetate	0.552	0.517	6.3	77	0.00
44	Isopropyl Acetate	0.887	0.857	3.4	82	0.00
45 T	1,4-Dioxane	0.010	0.006#	40.0#	53	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.441	0.424	3.9	82	0.00
47	n-amyl Acetate	0.778	0.754	3.1	84	0.00
48 M	t-1,3-Dichloropropene	0.524	0.497	5.2	83	0.00
49 T	cis-1,3-Dichloropropene	0.574	0.564	1.7	83	0.00
50 M	1,1,2-Trichloroethane	0.354	0.353	0.3	82	0.00
51	Ethyl methacrylate	0.583	0.573	1.7	85	0.00
52	1,3-Dichloropropane	0.605	0.619	-2.3	84	0.00
53 M	Dibromochloromethane	0.375	0.370	1.3	85	0.00
54 M	1,2-Dibromoethane	0.378	0.376	0.5	82	0.00
55 M	2-Chloroethyl vinyl ether	0.249	0.212	14.9	70	0.00
56 M	Bromoform	0.298	0.271	9.1	81	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
58 M	4-Methyl-2-Pentanone	0.627	0.606	3.3	80	0.00
59 M	2-Hexanone	0.496	0.462	6.9	76	0.00
60 S	4-Bromofluorobenzene	0.482	0.481	0.2	81	0.00
61 M	Tetrachloroethene	0.370	0.371	-0.3	85	0.00
62 M	Toluene	1.671	1.713	-2.5	84	0.00
63 S	Toluene-d8	1.357	1.365	-0.6	80	0.00
64 M	Chlorobenzene	1.045	1.085	-3.8	88	0.00
65	1,1,1,2-Tetrachloroethane	0.391	0.393	-0.5	85	0.00
66 M	Ethyl Benzene	1.836	1.887	-2.8	86	0.00
67 M	m/p-Xylenes	0.708	0.718	-1.4	85	0.00
68 M	o-Xylene	0.683	0.706	-3.4	88	0.00
69 M	Styrene	1.167	1.175	-0.7	85	0.00
70	Isopropylbenzene	1.801	1.866	-3.6	86	0.00
71 M	1,1,2,2-Tetrachloroethane	0.645	0.648	-0.5	84	0.00
72	1,2,3-Trichloropropane	0.544	0.582	-7.0	96	0.00
73	Bromobenzene	0.475	0.486	-2.3	87	0.00
74	n-propylbenzene	2.047	2.109	-3.0	87	0.00
75	2-Chlorotoluene	1.217	1.246	-2.4	86	0.00
76	1,3,5-Trimethylbenzene	1.514	1.536	-1.5	86	0.00
77	t-1,4-Dichloro-2-butene	0.220	0.189	14.1	77	0.00
78	4-Chlorotoluene	1.394	1.415	-1.5	87	0.00
79	tert-butylbenzene	1.527	1.548	-1.4	85	0.00
80	1,2,4-Trimethylbenzene	1.508	1.534	-1.7	86	0.00
81	sec-Butylbenzene	1.742	1.782	-2.3	87	0.00
82	p-Isopropyltoluene	1.605	1.619	-0.9	86	0.00
83 M	1,3-Dichlorobenzene	0.835	0.845	-1.2	88	0.00
84 M	1,4-Dichlorobenzene	0.829	0.849	-2.4	89	0.00
85	n-Butylbenzene	1.386	1.385	0.1	87	0.00
86 T	Hexachloroethane	0.295	0.277	6.1	84	0.00
87 M	1,2-Dichlorobenzene	0.835	0.852	-2.0	87	0.00
88	1,2-Dibromo-3-Chloropropane	0.144	0.132	8.3	81	0.00
89	1,2,4-Trichlorobenzene	0.576	0.572	0.7	88	0.00
90	Hexachlorobutadiene	0.276	0.254	8.0	80	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.823	1.791	1.8	85	0.00
92	1,2,3-Trichlorobenzene	0.582	0.576	1.0	86	0.00

(#) = Out of Range

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