

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041952.D
 Acq On : 20 Jun 2024 09:32
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 21 03:12:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2 M	Dichlorodifluoromethane	1.942	1.991	-2.5	94	0.00
3 M	Chloromethane	2.171	2.104	3.1	89	0.00
4 M	Vinyl Chloride	2.123	2.064	2.8	94	0.00
5 M	Bromomethane	1.135	1.083	4.6	93	0.00
6 M	Chloroethane	0.907	0.966	-6.5	100	0.00
7 M	Trichlorofluoromethane	2.674	2.820	-5.5	97	0.00
8 T	Diethyl Ether	1.157	1.147	0.9	95	0.00
9	1,1,2-Trichlorotrifluoroeth	1.818	1.820	-0.1	96	0.00
10 M	1,1-Dichloroethene	1.833	1.784	2.7	94	0.00
11	Methyl Iodide	2.386	2.201	7.8	87	0.00
12	Methyl Acetate	2.338	2.408	-3.0	97	0.00
13 M	Acrolein	0.471	0.433	8.1	91	0.00
14 M	Acrylonitrile	1.109	1.087	2.0	92	0.00
15 M	Acetone	0.317	0.350	-10.4	101	0.00
16 M	Carbon Disulfide	4.018	3.678	8.5	98	0.00
17	Allyl chloride	2.784	2.851	-2.4	95	0.00
18 M	Methylene Chloride	2.103	2.063	1.9	92	0.00
19 M	trans-1,2-Dichloroethene	1.837	1.781	3.0	94	0.00
20 T	Diisopropyl ether	5.723	5.761	-0.7	96	0.00
21 M	1,1-Dichloroethane	3.269	3.211	1.8	95	0.00
22 M	cis-1,2-Dichloroethene	2.223	2.171	2.3	95	0.00
23 M	tert-Butyl Alcohol	0.412	0.377	8.5	85	0.00
24 M	Methyl tert-Butyl Ether	5.671	5.528	2.5	94	0.00
25 M	Chloroform	3.322	3.340	-0.5	96	0.00
26	Cyclohexane	2.840	2.738	3.6	93	0.00
27 s	1,2-Dichloroethane-d4	2.065	2.123	-2.8	98	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
29	1,1-Dichloropropene	0.392	0.394	-0.5	97	0.00
30 M	2-Butanone	0.262	0.281	-7.3	96	0.00
31	2,2-Dichloropropane	0.429	0.435	-1.4	97	0.00
32 M	1,1,1-Trichloroethane	0.496	0.500	-0.8	96	0.00
33 M	Carbon Tetrachloride	0.428	0.434	-1.4	96	0.00
34 M	Benzene	1.304	1.327	-1.8	93	0.00
35	Methacrylonitrile	0.263	0.271	-3.0	96	0.00
36 M	1,2-Dichloroethane	0.406	0.426	-4.9	96	0.00
37 M	Trichloroethene	0.356	0.359	-0.8	97	0.00
38	Methylcyclohexane	0.519	0.513	1.2	95	0.00
39 M	1,2-Dichloropropane	0.311	0.321	-3.2	96	0.00
40	Dibromomethane	0.230	0.233	-1.3	95	0.00
41 M	Bromodichloromethane	0.412	0.417	-1.2	98	0.00
42 M	Vinyl Acetate	0.876	0.890	-1.6	94	0.00
43	Ethyl Acetate	0.491	0.476	3.1	91	0.00
44	Isopropyl Acetate	0.735	0.724	1.5	93	0.00
45 T	1,4-Dioxane	0.009	0.009	0.0	91	0.00
46	Methyl methacrylate	0.359	0.362	-0.8	93	0.00
47	n-amyl Acetate	0.659	0.655	0.6	96	0.00
48 M	t-1,3-Dichloropropene	0.424	0.414	2.4	96	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.476	0.468	1.7	94	0.00
50 M	1,1,2-Trichloroethane	0.334	0.351	-5.1	97	0.00
51	Ethyl methacrylate	0.531	0.520	2.1	94	0.00
52	1,3-Dichloropropane	0.546	0.565	-3.5	95	0.00
53 M	Dibromochloromethane	0.366	0.370	-1.1	99	0.00
54 M	1,2-Dibromoethane	0.352	0.364	-3.4	95	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.272	-10.1	98	0.00
56 M	Bromoform	0.298	0.287	3.7	97	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	0.538	0.543	-0.9	94	0.00
59 M	2-Hexanone	0.415	0.427	-2.9	97	0.00
60 S	4-Bromofluorobenzene	0.464	0.470	-1.3	98	0.00
61 M	Tetrachloroethene	0.377	0.363	3.7	91	0.00
62 M	Toluene	1.518	1.502	1.1	95	0.00
63 S	Toluene-d8	1.284	1.280	0.3	94	0.00
64 M	Chlorobenzene	1.034	1.012	2.1	94	0.00
65	1,1,1,2-Tetrachloroethane	0.357	0.353	1.1	97	0.00
66 M	Ethyl Benzene	1.660	1.628	1.9	95	0.00
67 M	m/p-Xylenes	0.668	0.667	0.1	97	0.00
68 M	o-Xylene	0.666	0.649	2.6	94	0.00
69 M	Styrene	1.112	1.097	1.3	94	0.00
70	Isopropylbenzene	1.674	1.689	-0.9	97	0.00
71 M	1,1,2,2-Tetrachloroethane	0.579	0.583	-0.7	96	0.00
72	1,2,3-Trichloropropane	0.469	0.465	0.9	96	0.00
73	Bromobenzene	0.488	0.483	1.0	97	0.00
74	n-propylbenzene	1.838	1.862	-1.3	99	0.00
75	2-Chlorotoluene	1.167	1.174	-0.6	97	0.00
76	1,3,5-Trimethylbenzene	1.402	1.413	-0.8	96	0.00
77	t-1,4-Dichloro-2-butene	0.174	0.155	10.9	96	0.00
78	4-Chlorotoluene	1.297	1.300	-0.2	98	0.00
79	tert-butylbenzene	1.488	1.483	0.3	97	0.00
80	1,2,4-Trimethylbenzene	1.401	1.417	-1.1	98	0.00
81	sec-Butylbenzene	1.736	1.765	-1.7	99	0.00
82	p-Isopropyltoluene	1.521	1.537	-1.1	99	0.00
83 M	1,3-Dichlorobenzene	0.870	0.851	2.2	96	0.00
84 M	1,4-Dichlorobenzene	0.866	0.864	0.2	99	0.00
85	n-Butylbenzene	1.176	1.168	0.7	103	0.00
86 T	Hexachloroethane	0.248	0.238	4.0	100	0.00
87 M	1,2-Dichlorobenzene	0.880	0.872	0.9	97	0.00
88	1,2-Dibromo-3-Chloropropane	0.120	0.113	5.8	97	0.00
89	1,2,4-Trichlorobenzene	0.596	0.550	7.7	98	0.00
90	Hexachlorobutadiene	0.294	0.291	1.0	99	0.00
91 M	Naphthalene	1.800	1.670	7.2	94	0.00
92	1,2,3-Trichlorobenzene	0.617	0.595	3.6	99	0.00

(#) = Out of Range

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