

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041795.D
 Acq On : 07 Jun 2024 17:53
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 08 04:09:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 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	84	0.00
2 M	Dichlorodifluoromethane	1.569	1.620	-3.3	94	0.00
3 M	Chloromethane	1.718	1.796	-4.5	88	0.00
4 M	Vinyl Chloride	1.809	1.805	0.2	86	0.00
5 M	Bromomethane	1.151	1.012	12.1	78	0.00
6 M	Chloroethane	0.915	1.527	-66.9#	145	0.00
7 M	Trichlorofluoromethane	2.746	3.415	-24.4	106	0.00
8 T	Diethyl Ether	1.025	1.432	-39.7#	124	0.00
9	1,1,2-Trichlorotrifluoroeth	1.592	1.794	-12.7	89	0.00
10 M	1,1-Dichloroethene	1.535	1.711	-11.5	88	0.00
11	Methyl Iodide	1.828	1.855	-1.5	87	0.00
12	Methyl Acetate	2.312	3.804	-64.5#	139	0.00
13 M	Acrolein	0.281	0.307	-9.3	89	0.00
14 M	Acrylonitrile	1.016	1.249	-22.9	107	0.00
15 M	Acetone	0.272	0.353	-29.8#	104	0.00
16 M	Carbon Disulfide	3.465	3.100	10.5	80	0.00
17	Allyl chloride	2.724	3.039	-11.6	94	0.00
18 M	Methylene Chloride	1.826	2.106	-15.3	95	0.00
19 M	trans-1,2-Dichloroethene	1.760	1.765	-0.3	87	0.00
20 T	Diisopropyl ether	5.723	6.412	-12.0	96	0.00
21 M	1,1-Dichloroethane	3.212	3.559	-10.8	96	0.00
22 M	cis-1,2-Dichloroethene	2.139	2.271	-6.2	94	0.00
23 M	tert-Butyl Alcohol	0.431	0.522	-21.1	105	-0.01
24 M	Methyl tert-Butyl Ether	5.730	6.322	-10.3	96	0.00
25 M	Chloroform	3.422	3.813	-11.4	96	0.00
26	Cyclohexane	2.678	2.684	-0.2	87	0.00
27 s	1,2-Dichloroethane-d4	2.362	2.474	-4.7	87	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
29	1,1-Dichloropropene	0.397	0.397	0.0	87	0.00
30 M	2-Butanone	0.263	0.325	-23.6	106	0.00
31	2,2-Dichloropropane	0.466	0.446	4.3	82	0.00
32 M	1,1,1-Trichloroethane	0.532	0.561	-5.5	91	0.00
33 M	Carbon Tetrachloride	0.456	0.477	-4.6	92	0.00
34 M	Benzene	1.253	1.370	-9.3	93	0.00
35	Methacrylonitrile	0.266	0.325	-22.2	105	-0.01
36 M	1,2-Dichloroethane	0.468	0.521	-11.3	95	0.00
37 M	Trichloroethene	0.349	0.356	-2.0	88	0.00
38	Methylcyclohexane	0.504	0.499	1.0	85	0.00
39 M	1,2-Dichloropropane	0.296	0.339	-14.5	96	0.00
40	Dibromomethane	0.233	0.260	-11.6	98	0.00
41 M	Bromodichloromethane	0.438	0.478	-9.1	97	0.00
42 M	Vinyl Acetate	0.914	0.996	-9.0	94	0.00
43	Ethyl Acetate	0.508	0.607	-19.5	103	0.00
44	Isopropyl Acetate	0.768	0.890	-15.9	101	0.00
45 T	1,4-Dioxane	0.009	0.009	0.0	85	0.00
46	Methyl methacrylate	0.382	0.444	-16.2	102	0.00
47	n-amyl Acetate	0.697	0.780	-11.9	99	0.00
48 M	t-1,3-Dichloropropene	0.440	0.447	-1.6	93	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.476	0.499	-4.8	94	0.00
50 M	1,1,2-Trichloroethane	0.324	0.375	-15.7	100	0.00
51	Ethyl methacrylate	0.522	0.580	-11.1	99	0.00
52	1,3-Dichloropropane	0.536	0.612	-14.2	97	0.00
53 M	Dibromochloromethane	0.369	0.393	-6.5	97	0.00
54 M	1,2-Dibromoethane	0.344	0.381	-10.8	95	0.00
55 M	2-Chloroethyl vinyl ether	0.255	0.295	-15.7	98	0.00
56 M	Bromoform	0.296	0.312	-5.4	101	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
58 M	4-Methyl-2-Pentanone	0.548	0.689	-25.7#	105	0.00
59 M	2-Hexanone	0.437	0.529	-21.1	104	0.00
60 S	4-Bromofluorobenzene	0.468	0.474	-1.3	84	0.00
61 M	Tetrachloroethene	0.367	0.367	0.0	86	0.00
62 M	Toluene	1.493	1.626	-8.9	93	0.00
63 S	Toluene-d8	1.286	1.286	0.0	83	0.00
64 M	Chlorobenzene	1.014	1.098	-8.3	94	0.00
65	1,1,1,2-Tetrachloroethane	0.359	0.399	-11.1	97	0.00
66 M	Ethyl Benzene	1.658	1.789	-7.9	92	0.00
67 M	m/p-Xylenes	0.648	0.708	-9.3	91	0.00
68 M	o-Xylene	0.652	0.703	-7.8	93	0.00
69 M	Styrene	1.094	1.174	-7.3	93	0.00
70	Isopropylbenzene	1.649	1.811	-9.8	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.566	0.674	-19.1	102	0.00
72	1,2,3-Trichloropropane	0.511	0.535	-4.7	89	0.00
73	Bromobenzene	0.484	0.514	-6.2	92	0.00
74	n-propylbenzene	1.859	1.984	-6.7	92	0.00
75	2-Chlorotoluene	1.167	1.277	-9.4	93	0.00
76	1,3,5-Trimethylbenzene	1.407	1.489	-5.8	91	0.00
77	t-1,4-Dichloro-2-butene	0.161	0.162	-0.6	94	0.00
78	4-Chlorotoluene	1.330	1.403	-5.5	90	0.00
79	tert-butylbenzene	1.498	1.603	-7.0	92	0.00
80	1,2,4-Trimethylbenzene	1.411	1.526	-8.2	92	0.00
81	sec-Butylbenzene	1.750	1.843	-5.3	91	0.00
82	p-Isopropyltoluene	1.532	1.590	-3.8	90	0.00
83 M	1,3-Dichlorobenzene	0.869	0.900	-3.6	91	0.00
84 M	1,4-Dichlorobenzene	0.878	0.892	-1.6	89	0.00
85	n-Butylbenzene	1.233	1.200	2.7	88	0.00
86 T	Hexachloroethane	0.258	0.263	-1.9	95	0.00
87 M	1,2-Dichlorobenzene	0.887	0.937	-5.6	92	0.00
88	1,2-Dibromo-3-Chloropropane	0.124	0.141	-13.7	102	0.00
89	1,2,4-Trichlorobenzene	0.596	0.567	4.9	85	0.00
90	Hexachlorobutadiene	0.291	0.293	-0.7	88	0.00
91 M	Naphthalene	1.781	1.896	-6.5	94	0.00
92	1,2,3-Trichlorobenzene	0.609	0.618	-1.5	88	0.00

(#) = Out of Range

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