

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
 Data File : VX039229.D
 Acq On : 15 Dec 2023 14:52
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 16 01:14:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 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	108	0.00
2 M	Dichlorodifluoromethane	4.490	5.003	-11.4	119	0.00
3 M	Chloromethane	5.141	5.527	-7.5	118	0.00
4 M	Vinyl Chloride	5.191	5.418	-4.4	114	0.00
5 M	Bromomethane	3.175	3.280	-3.3	100	0.00
6 M	Chloroethane	3.023	3.053	-1.0	105	0.00
7 M	Trichlorofluoromethane	7.164	7.987	-11.5	119	0.00
8 T	Diethyl Ether	2.750	2.888	-5.0	113	0.00
9	1,1,2-Trichlorotrifluoroeth	4.048	5.069	-25.2#	138	0.00
10 M	1,1-Dichloroethene	4.081	4.670	-14.4	125	0.00
11	Methyl Iodide	4.472	5.085	-13.7	135	0.00
12	Methyl Acetate	12.727	16.745	-31.6#	144	0.00
13 M	Acrolein	1.115	1.013	9.1	103	0.00
14 M	Acrylonitrile	3.113	3.589	-15.3	126	0.00
15 M	Acetone	1.131	0.971	14.1	82	0.00
16 M	Carbon Disulfide	12.359	12.580	-1.8	113	0.00
17	Allyl chloride	8.101	9.583	-18.3	129	0.00
18 M	Methylene Chloride	4.837	5.689	-17.6	132	0.00
19 M	trans-1,2-Dichloroethene	4.615	5.137	-11.3	124	0.00
20 T	Diisopropyl ether	15.416	18.536	-20.2	131	0.00
21 M	1,1-Dichloroethane	8.571	10.160	-18.5	131	0.00
22 M	cis-1,2-Dichloroethene	5.349	6.069	-13.5	124	-0.01
23 M	tert-Butyl Alcohol	1.723	1.624	5.7	107	0.00
24 M	Methyl tert-Butyl Ether	15.032	17.944	-19.4	131	0.00
25 M	Chloroform	8.603	10.260	-19.3	132	0.00
26	Cyclohexane	7.758	8.472	-9.2	120	0.00
27 s	1,2-Dichloroethane-d4	4.104	4.480	-9.2	115	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
29	1,1-Dichloropropene	0.841	0.948	-12.7	125	0.00
30 M	2-Butanone	0.633	0.649	-2.5	110	0.00
31	2,2-Dichloropropane	0.962	1.078	-12.1	122	0.00
32 M	1,1,1-Trichloroethane	0.972	1.088	-11.9	123	0.00
33 M	Carbon Tetrachloride	0.819	0.876	-7.0	117	0.00
34 M	Benzene	2.450	2.727	-11.3	123	0.00
35	Methacrylonitrile	0.561	0.629	-12.1	127	-0.01
36 M	1,2-Dichloroethane	0.899	1.078	-19.9	132	0.00
37 M	Trichloroethene	0.622	0.671	-7.9	118	0.00
38	Methylcyclohexane	1.048	1.105	-5.4	115	0.00
39 M	1,2-Dichloropropane	0.646	0.747	-15.6	131	0.00
40	Dibromomethane	0.457	0.510	-11.6	124	0.00
41 M	Bromodichloromethane	0.877	0.996	-13.6	125	0.00
42 M	Vinyl Acetate	1.508	1.715	-13.7	124	0.00
43	Ethyl Acetate	1.089	1.186	-8.9	120	-0.01
44	Isopropyl Acetate	1.717	1.945	-13.3	127	0.00
45 T	1,4-Dioxane	0.018	0.016	11.1	108	0.00
46	Methyl methacrylate	0.982	1.140	-16.1	130	0.00
47	n-amyl Acetate	1.453	1.612	-10.9	129	0.00
48 M	t-1,3-Dichloropropene	1.017	1.094	-7.6	119	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	1.049	1.165	-11.1	123	0.00
50 M	1,1,2-Trichloroethane	0.620	0.702	-13.2	125	0.00
51	Ethyl methacrylate	0.776	0.883	-13.8	131	0.00
52	1,3-Dichloropropane	1.063	1.189	-11.9	123	0.00
53 M	Dibromochloromethane	0.666	0.704	-5.7	116	0.00
54 M	1,2-Dibromoethane	0.680	0.745	-9.6	123	0.00
55 M	2-Chloroethyl vinyl ether	0.492	0.570	-15.9	135	0.00
56 M	Bromoform	0.481	0.476	1.0	112	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
58 M	4-Methyl-2-Pentanone	0.910	1.044	-14.7	123	0.00
59 M	2-Hexanone	0.747	0.836	-11.9	120	0.00
60 S	4-Bromofluorobenzene	0.655	0.696	-6.3	114	0.00
61 M	Tetrachloroethene	0.390	0.434	-11.3	117	0.00
62 M	Toluene	2.130	2.379	-11.7	120	0.00
63 S	Toluene-d8	1.186	1.208	-1.9	108	0.00
64 M	Chlorobenzene	1.296	1.434	-10.6	120	0.00
65	1,1,1,2-Tetrachloroethane	0.467	0.512	-9.6	118	0.00
66 M	Ethyl Benzene	2.425	2.752	-13.5	122	0.00
67 M	m/p-Xylenes	0.896	0.980	-9.4	119	0.00
68 M	o-Xylene	0.868	0.942	-8.5	118	0.00
69 M	Styrene	1.285	1.420	-10.5	121	0.00
70	Isopropylbenzene	2.323	2.593	-11.6	120	0.00
71 M	1,1,2,2-Tetrachloroethane	0.867	0.981	-13.1	124	0.00
72	1,2,3-Trichloropropane	0.734	0.882	-20.2	129	0.00
73	Bromobenzene	0.529	0.572	-8.1	120	0.00
74	n-propylbenzene	2.846	3.239	-13.8	123	0.00
75	2-Chlorotoluene	1.670	1.888	-13.1	123	0.00
76	1,3,5-Trimethylbenzene	2.001	2.246	-12.2	122	0.00
77	t-1,4-Dichloro-2-butene	0.291	0.292	-0.3	115	0.00
78	4-Chlorotoluene	1.963	2.248	-14.5	124	0.00
79	tert-butylbenzene	1.903	2.076	-9.1	117	0.00
80	1,2,4-Trimethylbenzene	2.003	2.198	-9.7	119	0.00
81	sec-Butylbenzene	2.405	2.654	-10.4	121	0.00
82	p-Isopropyltoluene	2.039	2.207	-8.2	118	0.00
83 M	1,3-Dichlorobenzene	1.012	1.097	-8.4	120	0.00
84 M	1,4-Dichlorobenzene	1.038	1.112	-7.1	117	0.00
85	n-Butylbenzene	2.013	2.247	-11.6	124	0.00
86 T	Hexachloroethane	0.386	0.393	-1.8	112	0.00
87 M	1,2-Dichlorobenzene	0.973	1.055	-8.4	117	0.00
88	1,2-Dibromo-3-Chloropropane	0.222	0.254	-14.4	125	0.00
89	1,2,4-Trichlorobenzene	0.645	0.674	-4.5	114	0.00
90	Hexachlorobutadiene	0.230	0.261	-13.5	123	0.00
91 M	Naphthalene	2.379	2.518	-5.8	117	0.00
92	1,2,3-Trichlorobenzene	0.625	0.668	-6.9	116	0.00

(#) = Out of Range

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