

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039042.D
 Acq On : 27 Nov 2023 15:59
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 28 01:13:27 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	83	0.00
2 M	Dichlorodifluoromethane	4.490	4.720	-5.1	86	0.00
3 M	Chloromethane	5.141	5.654	-10.0	93	0.00
4 M	Vinyl Chloride	5.191	5.880	-13.3	95	0.00
5 M	Bromomethane	3.175	4.075	-28.3#	96	0.00
6 M	Chloroethane	3.023	3.434	-13.6	91	0.00
7 M	Trichlorofluoromethane	7.164	8.237	-15.0	95	0.00
8 T	Diethyl Ether	2.750	3.084	-12.1	93	0.00
9	1,1,2-Trichlorotrifluoroeth	4.048	4.510	-11.4	94	0.00
10 M	1,1-Dichloroethene	4.081	4.475	-9.7	92	0.00
11	Methyl Iodide	4.472	4.509	-0.8	93	0.00
12	Methyl Acetate	12.727	14.399	-13.1	96	0.00
13 M	Acrolein	1.115	1.385	-24.2	109	0.00
14 M	Acrylonitrile	3.113	3.522	-13.1	96	0.00
15 M	Acetone	1.131	1.084	4.2	71	0.00
16 M	Carbon Disulfide	12.359	13.215	-6.9	91	0.00
17	Allyl chloride	8.101	9.258	-14.3	96	0.00
18 M	Methylene Chloride	4.837	5.413	-11.9	97	0.00
19 M	trans-1,2-Dichloroethene	4.615	5.020	-8.8	94	0.00
20 T	Diisopropyl ether	15.416	17.134	-11.1	94	0.00
21 M	1,1-Dichloroethane	8.571	9.713	-13.3	96	0.00
22 M	cis-1,2-Dichloroethene	5.349	5.690	-6.4	90	-0.01
23 M	tert-Butyl Alcohol	1.723	1.807	-4.9	92	0.00
24 M	Methyl tert-Butyl Ether	15.032	16.803	-11.8	95	0.00
25 M	Chloroform	8.603	9.501	-10.4	94	0.00
26	Cyclohexane	7.758	8.489	-9.4	93	0.00
27 s	1,2-Dichloroethane-d4	4.104	4.527	-10.3	90	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
29	1,1-Dichloropropene	0.841	0.902	-7.3	95	0.00
30 M	2-Butanone	0.633	0.660	-4.3	89	0.00
31	2,2-Dichloropropane	0.962	1.042	-8.3	94	0.00
32 M	1,1,1-Trichloroethane	0.972	1.026	-5.6	92	0.00
33 M	Carbon Tetrachloride	0.819	0.852	-4.0	91	0.00
34 M	Benzene	2.450	2.581	-5.3	93	0.00
35	Methacrylonitrile	0.561	0.605	-7.8	97	-0.01
36 M	1,2-Dichloroethane	0.899	0.961	-6.9	93	0.00
37 M	Trichloroethene	0.622	0.643	-3.4	90	0.00
38	Methylcyclohexane	1.048	1.133	-8.1	94	0.00
39 M	1,2-Dichloropropane	0.646	0.686	-6.2	96	0.00
40	Dibromomethane	0.457	0.479	-4.8	93	0.00
41 M	Bromodichloromethane	0.877	0.927	-5.7	93	0.00
42 M	Vinyl Acetate	1.508	1.689	-12.0	98	0.00
43	Ethyl Acetate	1.089	1.189	-9.2	95	0.00
44	Isopropyl Acetate	1.717	1.878	-9.4	98	0.00
45 T	1,4-Dioxane	0.018	0.018	0.0	97	0.00
46	Methyl methacrylate	0.982	1.048	-6.7	95	0.00
47	n-amyl Acetate	1.453	1.531	-5.4	97	0.00
48 M	t-1,3-Dichloropropene	1.017	1.026	-0.9	89	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	1.049	1.111	-5.9	93	0.00
50 M	1,1,2-Trichloroethane	0.620	0.674	-8.7	95	0.00
51	Ethyl methacrylate	0.776	0.825	-6.3	97	0.00
52	1,3-Dichloropropane	1.063	1.142	-7.4	94	0.00
53 M	Dibromochloromethane	0.666	0.685	-2.9	90	0.00
54 M	1,2-Dibromoethane	0.680	0.709	-4.3	93	0.00
55 M	2-Chloroethyl vinyl ether	0.492	0.488	0.8	92	0.00
56 M	Bromoform	0.481	0.481	0.0	90	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
58 M	4-Methyl-2-Pentanone	0.910	0.982	-7.9	94	0.00
59 M	2-Hexanone	0.747	0.789	-5.6	92	0.00
60 S	4-Bromofluorobenzene	0.655	0.655	0.0	88	0.00
61 M	Tetrachloroethene	0.390	0.400	-2.6	88	0.00
62 M	Toluene	2.130	2.266	-6.4	93	0.00
63 S	Toluene-d8	1.186	1.213	-2.3	89	0.00
64 M	Chlorobenzene	1.296	1.362	-5.1	93	0.00
65	1,1,1,2-Tetrachloroethane	0.467	0.494	-5.8	93	0.00
66 M	Ethyl Benzene	2.425	2.568	-5.9	93	0.00
67 M	m/p-Xylenes	0.896	0.949	-5.9	94	0.00
68 M	o-Xylene	0.868	0.919	-5.9	94	0.00
69 M	Styrene	1.285	1.332	-3.7	93	0.00
70	Isopropylbenzene	2.323	2.476	-6.6	94	0.00
71 M	1,1,2,2-Tetrachloroethane	0.867	0.925	-6.7	95	0.00
72	1,2,3-Trichloropropane	0.734	0.785	-6.9	94	0.00
73	Bromobenzene	0.529	0.537	-1.5	92	0.00
74	n-propylbenzene	2.846	3.062	-7.6	95	0.00
75	2-Chlorotoluene	1.670	1.785	-6.9	95	0.00
76	1,3,5-Trimethylbenzene	2.001	2.115	-5.7	93	0.00
77	t-1,4-Dichloro-2-butene	0.291	0.281	3.4	91	0.00
78	4-Chlorotoluene	1.963	2.082	-6.1	94	0.00
79	tert-butylbenzene	1.903	2.010	-5.6	93	0.00
80	1,2,4-Trimethylbenzene	2.003	2.129	-6.3	94	0.00
81	sec-Butylbenzene	2.405	2.575	-7.1	96	0.00
82	p-Isopropyltoluene	2.039	2.178	-6.8	95	0.00
83 M	1,3-Dichlorobenzene	1.012	1.078	-6.5	96	0.00
84 M	1,4-Dichlorobenzene	1.038	1.092	-5.2	94	0.00
85	n-Butylbenzene	2.013	2.121	-5.4	96	0.00
86 T	Hexachloroethane	0.386	0.391	-1.3	91	0.00
87 M	1,2-Dichlorobenzene	0.973	1.036	-6.5	94	0.00
88	1,2-Dibromo-3-Chloropropane	0.222	0.229	-3.2	92	0.00
89	1,2,4-Trichlorobenzene	0.645	0.673	-4.3	93	0.00
90	Hexachlorobutadiene	0.230	0.225	2.2	86	0.00
91 M	Naphthalene	2.379	2.419	-1.7	92	0.00
92	1,2,3-Trichlorobenzene	0.625	0.646	-3.4	92	0.00

(#) = Out of Range

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