

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX121523\
 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	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	108	0.00
2 M	Dichlorodifluoromethane	20.000	22.285	-11.4	119	0.00
3 M	Chloromethane	20.000	21.502	-7.5	118	0.00
4 M	Vinyl Chloride	20.000	20.875	-4.4	114	0.00
5 M	Bromomethane	20.000	20.664	-3.3	100	0.00
6 M	Chloroethane	20.000	20.198	-1.0	105	0.00
7 M	Trichlorofluoromethane	20.000	22.297	-11.5	119	0.00
8 T	Diethyl Ether	20.000	21.004	-5.0	113	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	25.045	-25.2#	138	0.00
10 M	1,1-Dichloroethene	20.000	22.889	-14.4	125	0.00
11	Methyl Iodide	20.000	22.744	-13.7	135	0.00
12	Methyl Acetate	20.000	26.314	-31.6#	144	0.00
13 M	Acrolein	100.000	90.899	9.1	103	0.00
14 M	Acrylonitrile	100.000	115.299	-15.3	126	0.00
15 M	Acetone	100.000	85.801	14.2	82	0.00
16 M	Carbon Disulfide	20.000	20.357	-1.8	113	0.00
17	Allyl chloride	20.000	23.660	-18.3	129	0.00
18 M	Methylene Chloride	20.000	23.522	-17.6	132	0.00
19 M	trans-1,2-Dichloroethene	20.000	22.262	-11.3	124	0.00
20 T	Diisopropyl ether	20.000	24.047	-20.2	131	0.00
21 M	1,1-Dichloroethane	20.000	23.707	-18.5	131	0.00
22 M	cis-1,2-Dichloroethene	20.000	22.693	-13.5	124	-0.01
23 M	tert-Butyl Alcohol	100.000	94.254	5.7	107	0.00
24 M	Methyl tert-Butyl Ether	20.000	23.874	-19.4	131	0.00
25 M	Chloroform	20.000	23.853	-19.3	132	0.00
26	Cyclohexane	20.000	21.843	-9.2	120	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.749	-9.2	115	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	106	0.00
29	1,1-Dichloropropene	20.000	22.555	-12.8	125	0.00
30 M	2-Butanone	100.000	102.489	-2.5	110	0.00
31	2,2-Dichloropropane	20.000	22.413	-12.1	122	0.00
32 M	1,1,1-Trichloroethane	20.000	22.389	-11.9	123	0.00
33 M	Carbon Tetrachloride	20.000	21.407	-7.0	117	0.00
34 M	Benzene	20.000	22.264	-11.3	123	0.00
35	Methacrylonitrile	20.000	22.413	-12.1	127	-0.01
36 M	1,2-Dichloroethane	20.000	23.982	-19.9	132	0.00
37 M	Trichloroethene	20.000	21.568	-7.8	118	0.00
38	Methylcyclohexane	20.000	21.082	-5.4	115	0.00
39 M	1,2-Dichloropropane	20.000	23.128	-15.6	131	0.00
40	Dibromomethane	20.000	22.322	-11.6	124	0.00
41 M	Bromodichloromethane	20.000	22.716	-13.6	125	0.00
42 M	Vinyl Acetate	100.000	113.704	-13.7	124	0.00
43	Ethyl Acetate	20.000	21.769	-8.8	120	-0.01
44	Isopropyl Acetate	20.000	22.657	-13.3	127	0.00
45 T	1,4-Dioxane	400.000	372.220	6.9	108	0.00
46	Methyl methacrylate	20.000	23.225	-16.1	130	0.00
47	n-amyl Acetate	20.000	22.176	-10.9	129	0.00
48 M	t-1,3-Dichloropropene	20.000	21.515	-7.6	119	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	22.209	-11.0	123	0.00
50 M	1,1,2-Trichloroethane	20.000	22.649	-13.2	125	0.00
51	Ethyl methacrylate	20.000	22.756	-13.8	131	0.00
52	1,3-Dichloropropane	20.000	22.371	-11.9	123	0.00
53 M	Dibromochloromethane	20.000	21.148	-5.7	116	0.00
54 M	1,2-Dibromoethane	20.000	21.924	-9.6	123	0.00
55 M	2-Chloroethyl vinyl ether	100.000	115.940	-15.9	135	0.00
56 M	Bromoform	20.000	19.799	1.0	112	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	105	0.00
58 M	4-Methyl-2-Pentanone	100.000	114.732	-14.7	123	0.00
59 M	2-Hexanone	100.000	111.992	-12.0	120	0.00
60 S	4-Bromofluorobenzene	30.000	31.873	-6.2	114	0.00
61 M	Tetrachloroethene	20.000	22.244	-11.2	117	0.00
62 M	Toluene	20.000	22.338	-11.7	120	0.00
63 S	Toluene-d8	30.000	30.546	-1.8	108	0.00
64 M	Chlorobenzene	20.000	22.142	-10.7	120	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.953	-9.8	118	0.00
66 M	Ethyl Benzene	20.000	22.696	-13.5	122	0.00
67 M	m/p-Xylenes	40.000	43.761	-9.4	119	0.00
68 M	o-Xylene	20.000	21.709	-8.5	118	0.00
69 M	Styrene	20.000	22.112	-10.6	121	0.00
70	Isopropylbenzene	20.000	22.331	-11.7	120	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	22.632	-13.2	124	0.00
72	1,2,3-Trichloropropane	20.000	24.050	-20.3	129	0.00
73	Bromobenzene	20.000	21.649	-8.2	120	0.00
74	n-propylbenzene	20.000	22.763	-13.8	123	0.00
75	2-Chlorotoluene	20.000	22.611	-13.1	123	0.00
76	1,3,5-Trimethylbenzene	20.000	22.445	-12.2	122	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.097	-0.5	115	0.00
78	4-Chlorotoluene	20.000	22.906	-14.5	124	0.00
79	tert-butylbenzene	20.000	21.817	-9.1	117	0.00
80	1,2,4-Trimethylbenzene	20.000	21.956	-9.8	119	0.00
81	sec-Butylbenzene	20.000	22.068	-10.3	121	0.00
82	p-Isopropyltoluene	20.000	21.653	-8.3	118	0.00
83 M	1,3-Dichlorobenzene	20.000	21.685	-8.4	120	0.00
84 M	1,4-Dichlorobenzene	20.000	21.410	-7.1	117	0.00
85	n-Butylbenzene	20.000	22.326	-11.6	124	0.00
86 T	Hexachloroethane	20.000	20.343	-1.7	112	0.00
87 M	1,2-Dichlorobenzene	20.000	21.683	-8.4	117	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	22.886	-14.4	125	0.00
89	1,2,4-Trichlorobenzene	20.000	20.903	-4.5	114	0.00
90	Hexachlorobutadiene	20.000	22.693	-13.5	123	0.00
91 M	Naphthalene	20.000	21.163	-5.8	117	0.00
92	1,2,3-Trichlorobenzene	20.000	21.377	-6.9	116	0.00

(#) = Out of Range

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