

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030624\
 Data File : VX040593.D
 Acq On : 06 Mar 2024 09:09
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 07 04:31:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 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	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	96	0.00
2 M	Dichlorodifluoromethane	20.000	19.741	1.3	106	0.00
3 M	Chloromethane	20.000	19.371	3.1	101	0.00
4 M	Vinyl Chloride	20.000	19.508	2.5	104	0.00
5 M	Bromomethane	20.000	22.077	-10.4	99	0.01
6 M	Chloroethane	20.000	20.451	-2.3	118	0.02
7 M	Trichlorofluoromethane	20.000	18.748	6.3	106	0.01
8 T	Diethyl Ether	20.000	18.233	8.8	103	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.326	8.4	98	0.00
10 M	1,1-Dichloroethene	20.000	16.890	15.5	92	0.00
11	Methyl Iodide	20.000	18.166	9.2	101	0.00
12	Methyl Acetate	20.000	18.703	6.5	101	0.00
13 M	Acrolein	100.000	77.842	22.2	86	0.00
14 M	Acrylonitrile	100.000	93.943	6.1	100	0.00
15 M	Acetone	100.000	94.308	5.7	94	0.00
16 M	Carbon Disulfide	20.000	19.362	3.2	107	0.00
17	Allyl chloride	20.000	18.954	5.2	102	0.00
18 M	Methylene Chloride	20.000	19.226	3.9	104	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.567	2.2	105	0.00
20 T	Diisopropyl ether	20.000	18.824	5.9	102	0.00
21 M	1,1-Dichloroethane	20.000	19.401	3.0	104	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.077	4.6	101	0.00
23 M	tert-Butyl Alcohol	100.000	84.023	16.0	94	-0.04
24 M	Methyl tert-Butyl Ether	20.000	19.023	4.9	103	0.00
25 M	Chloroform	20.000	18.899	5.5	102	0.00
26	Cyclohexane	20.000	19.139	4.3	107	0.00
27 s	1,2-Dichloroethane-d4	30.000	31.249	-4.2	107	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	106	0.00
29	1,1-Dichloropropene	20.000	19.257	3.7	111	0.00
30 M	2-Butanone	100.000	88.667	11.3	96	0.00
31	2,2-Dichloropropane	20.000	18.845	5.8	105	0.00
32 M	1,1,1-Trichloroethane	20.000	18.378	8.1	104	0.00
33 M	Carbon Tetrachloride	20.000	18.695	6.5	108	0.00
34 M	Benzene	20.000	18.928	5.4	105	0.00
35	Methacrylonitrile	20.000	18.440	7.8	101	0.00
36 M	1,2-Dichloroethane	20.000	18.511	7.4	101	0.00
37 M	Trichloroethene	20.000	19.457	2.7	110	0.00
38	Methylcyclohexane	20.000	19.211	3.9	107	0.00
39 M	1,2-Dichloropropane	20.000	19.498	2.5	106	0.00
40	Dibromomethane	20.000	18.723	6.4	100	0.00
41 M	Bromodichloromethane	20.000	19.253	3.7	106	0.00
42 M	Vinyl Acetate	100.000	90.925	9.1	102	0.00
43	Ethyl Acetate	20.000	18.170	9.1	97	0.00
44	Isopropyl Acetate	20.000	17.666	11.7	99	0.00
45 T	1,4-Dioxane	400.000	361.166	9.7	96	0.00
46	Methyl methacrylate	20.000	18.839	5.8	102	0.00
47	n-amyl Acetate	20.000	17.480	12.6	108	0.00
48 M	t-1,3-Dichloropropene	20.000	18.553	7.2	108	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.048	4.8	108	0.00
50 M	1,1,2-Trichloroethane	20.000	18.502	7.5	101	0.00
51	Ethyl methacrylate	20.000	18.442	7.8	102	0.00
52	1,3-Dichloropropane	20.000	18.973	5.1	103	0.00
53 M	Dibromochloromethane	20.000	18.543	7.3	104	0.00
54 M	1,2-Dibromoethane	20.000	18.807	6.0	104	0.00
55 M	2-Chloroethyl vinyl ether	100.000	96.406	3.6	102	0.00
56 M	Bromoform	20.000	18.983	5.1	114	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	112	0.00
58 M	4-Methyl-2-Pentanone	100.000	93.544	6.5	99	0.00
59 M	2-Hexanone	100.000	91.452	8.5	99	0.00
60 S	4-Bromofluorobenzene	30.000	31.032	-3.4	118	0.00
61 M	Tetrachloroethene	20.000	20.689	-3.4	112	0.00
62 M	Toluene	20.000	19.498	2.5	105	0.00
63 S	Toluene-d8	30.000	30.723	-2.4	103	0.00
64 M	Chlorobenzene	20.000	19.582	2.1	117	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.482	2.6	119	0.00
66 M	Ethyl Benzene	20.000	19.400	3.0	118	0.00
67 M	m/p-Xylenes	40.000	39.553	1.1	120	0.00
68 M	o-Xylene	20.000	19.257	3.7	115	0.00
69 M	Styrene	20.000	19.296	3.5	114	0.00
70	Isopropylbenzene	20.000	19.816	0.9	119	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.101	4.5	112	0.00
72	1,2,3-Trichloropropane	20.000	19.012	4.9	119	0.00
73	Bromobenzene	20.000	19.661	1.7	118	0.00
74	n-propylbenzene	20.000	20.003	-0.0	122	0.00
75	2-Chlorotoluene	20.000	19.820	0.9	122	0.00
76	1,3,5-Trimethylbenzene	20.000	19.520	2.4	120	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.577	12.1	106	0.00
78	4-Chlorotoluene	20.000	19.520	2.4	125	0.00
79	tert-butylbenzene	20.000	19.453	2.7	124	0.00
80	1,2,4-Trimethylbenzene	20.000	19.468	2.7	123	0.00
81	sec-Butylbenzene	20.000	19.339	3.3	122	0.00
82	p-Isopropyltoluene	20.000	19.595	2.0	124	0.00
83 M	1,3-Dichlorobenzene	20.000	19.495	2.5	120	0.00
84 M	1,4-Dichlorobenzene	20.000	19.059	4.7	118	0.00
85	n-Butylbenzene	20.000	19.182	4.1	122	0.00
86 T	Hexachloroethane	20.000	18.895	5.5	125	0.00
87 M	1,2-Dichlorobenzene	20.000	19.434	2.8	118	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.775	6.1	115	0.00
89	1,2,4-Trichlorobenzene	20.000	19.277	3.6	119	0.00
90	Hexachlorobutadiene	20.000	19.487	2.6	121	0.00
91 M	Naphthalene	20.000	18.561	7.2	115	0.00
92	1,2,3-Trichlorobenzene	20.000	19.181	4.1	118	0.00

(#) = Out of Range

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