

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX120823\
 Data File : VX039104.D
 Acq On : 08 Dec 2023 14:44
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 08 23:48:49 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	91	0.00
2 M	Dichlorodifluoromethane	20.000	14.459	27.7#	65	0.00
3 M	Chloromethane	20.000	17.983	10.1	83	0.00
4 M	Vinyl Chloride	20.000	15.682	21.6	72	0.00
5 M	Bromomethane	20.000	20.807	-4.0	84	0.00
6 M	Chloroethane	20.000	18.586	7.1	81	0.00
7 M	Trichlorofluoromethane	20.000	15.344	23.3	69	0.00
8 T	Diethyl Ether	20.000	21.160	-5.8	96	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	17.201	14.0	79	0.00
10 M	1,1-Dichloroethene	20.000	17.138	14.3	79	0.00
11	Methyl Iodide	20.000	18.379	8.1	92	0.00
12	Methyl Acetate	20.000	24.575	-22.9	113	0.00
13 M	Acrolein	100.000	108.317	-8.3	103	0.00
14 M	Acrylonitrile	100.000	118.154	-18.2	109	0.00
15 M	Acetone	100.000	106.252	-6.3	86	0.00
16 M	Carbon Disulfide	20.000	15.547	22.3	72	0.00
17	Allyl chloride	20.000	20.621	-3.1	94	0.00
18 M	Methylene Chloride	20.000	21.756	-8.8	103	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.227	8.9	85	0.00
20 T	Diisopropyl ether	20.000	22.719	-13.6	104	0.00
21 M	1,1-Dichloroethane	20.000	20.636	-3.2	95	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.806	1.0	91	-0.01
23 M	tert-Butyl Alcohol	100.000	102.156	-2.2	97	0.00
24 M	Methyl tert-Butyl Ether	20.000	22.294	-11.5	103	0.00
25 M	Chloroform	20.000	20.668	-3.3	96	0.00
26	Cyclohexane	20.000	15.817	20.9	73	0.00
27 s	1,2-Dichloroethane-d4	30.000	31.406	-4.7	93	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	83	0.00
29	1,1-Dichloropropene	20.000	18.307	8.5	79	0.00
30 M	2-Butanone	100.000	120.026	-20.0	100	0.00
31	2,2-Dichloropropane	20.000	18.576	7.1	79	0.00
32 M	1,1,1-Trichloroethane	20.000	18.523	7.4	79	0.00
33 M	Carbon Tetrachloride	20.000	17.203	14.0	74	0.00
34 M	Benzene	20.000	20.963	-4.8	90	0.00
35	Methacrylonitrile	20.000	25.046	-25.2#	110	0.00
36 M	1,2-Dichloroethane	20.000	22.674	-13.4	97	0.00
37 M	Trichloroethene	20.000	19.042	4.8	81	0.00
38	Methylcyclohexane	20.000	16.479	17.6	70	0.00
39 M	1,2-Dichloropropane	20.000	23.048	-15.2	102	0.00
40	Dibromomethane	20.000	22.354	-11.8	97	0.00
41 M	Bromodichloromethane	20.000	22.264	-11.3	96	0.00
42 M	Vinyl Acetate	100.000	120.069	-20.1	102	0.00
43	Ethyl Acetate	20.000	24.411	-22.1	104	-0.01
44	Isopropyl Acetate	20.000	23.946	-19.7	105	0.00
45 T	1,4-Dioxane	400.000	373.290	6.7	84	0.00
46	Methyl methacrylate	20.000	24.217	-21.1	105	0.00
47	n-amyl Acetate	20.000	22.896	-14.5	103	0.00
48 M	t-1,3-Dichloropropene	20.000	21.266	-6.3	92	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.816	-9.1	94	0.00
50 M	1,1,2-Trichloroethane	20.000	23.635	-18.2	102	0.00
51	Ethyl methacrylate	20.000	23.927	-19.6	107	0.00
52	1,3-Dichloropropane	20.000	23.753	-18.8	102	0.00
53 M	Dibromochloromethane	20.000	21.359	-6.8	91	0.00
54 M	1,2-Dibromoethane	20.000	22.568	-12.8	99	0.00
55 M	2-Chloroethyl vinyl ether	100.000	122.746	-22.7	111	0.00
56 M	Bromoform	20.000	20.125	-0.6	89	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	81	0.00
58 M	4-Methyl-2-Pentanone	100.000	131.713	-31.7#	108	0.00
59 M	2-Hexanone	100.000	126.431	-26.4#	104	0.00
60 S	4-Bromofluorobenzene	30.000	30.308	-1.0	83	0.00
61 M	Tetrachloroethene	20.000	18.864	5.7	76	0.00
62 M	Toluene	20.000	20.770	-3.8	86	0.00
63 S	Toluene-d8	30.000	30.130	-0.4	82	0.00
64 M	Chlorobenzene	20.000	20.773	-3.9	87	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.572	-7.9	89	0.00
66 M	Ethyl Benzene	20.000	19.438	2.8	80	0.00
67 M	m/p-Xylenes	40.000	38.522	3.7	80	0.00
68 M	o-Xylene	20.000	19.501	2.5	82	0.00
69 M	Styrene	20.000	19.887	0.6	84	0.00
70	Isopropylbenzene	20.000	19.048	4.8	79	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	24.356	-21.8	102	0.00
72	1,2,3-Trichloropropane	20.000	24.745	-23.7	102	0.00
73	Bromobenzene	20.000	19.701	1.5	84	0.00
74	n-propylbenzene	20.000	18.664	6.7	77	0.00
75	2-Chlorotoluene	20.000	19.486	2.6	82	0.00
76	1,3,5-Trimethylbenzene	20.000	18.847	5.8	78	0.00
77	t-1,4-Dichloro-2-butene	20.000	22.129	-10.6	98	0.00
78	4-Chlorotoluene	20.000	18.902	5.5	79	0.00
79	tert-butylbenzene	20.000	19.035	4.8	79	0.00
80	1,2,4-Trimethylbenzene	20.000	18.781	6.1	78	0.00
81	sec-Butylbenzene	20.000	18.315	8.4	77	0.00
82	p-Isopropyltoluene	20.000	18.247	8.8	77	0.00
83 M	1,3-Dichlorobenzene	20.000	19.477	2.6	83	0.00
84 M	1,4-Dichlorobenzene	20.000	18.572	7.1	78	0.00
85	n-Butylbenzene	20.000	18.093	9.5	77	0.00
86 T	Hexachloroethane	20.000	17.345	13.3	73	0.00
87 M	1,2-Dichlorobenzene	20.000	19.581	2.1	82	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	22.150	-10.7	93	0.00
89	1,2,4-Trichlorobenzene	20.000	18.726	6.4	79	0.00
90	Hexachlorobutadiene	20.000	17.768	11.2	74	0.00
91 M	Naphthalene	20.000	20.325	-1.6	87	0.00
92	1,2,3-Trichlorobenzene	20.000	19.100	4.5	80	0.00

(#) = Out of Range

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