

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX102119\
 Data File : VX013166.D
 Acq On : 21 Oct 2019 20:46
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 22 02:35:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	101	0.00
2 M	Dichlorodifluoromethane	20.000	18.099	9.5	91	0.00
3 M	Chloromethane	20.000	18.651	6.7	97	0.00
4 M	Vinyl Chloride	20.000	17.848	10.8	93	0.00
5 M	Bromomethane	20.000	20.989	-4.9	94	0.00
6 M	Chloroethane	20.000	18.596	7.0	94	0.00
7 M	Trichlorofluoromethane	20.000	17.969	10.2	92	0.00
8 T	Diethyl Ether	20.000	18.302	8.5	96	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	17.629	11.9	94	0.00
10 M	1,1-Dichloroethene	20.000	17.941	10.3	93	0.00
11	Methyl Iodide	20.000	15.666	21.7	86	0.00
12	Methyl Acetate	20.000	18.536	7.3	94	0.00
13 M	Acrolein	100.000	80.885	19.1	79	0.00
14 M	Acrylonitrile	100.000	93.989	6.0	95	0.00
15 M	Acetone	100.000	78.990	21.0	76	0.00
16 M	Carbon Disulfide	20.000	16.806	16.0	89	0.00
17	Allyl chloride	20.000	17.461	12.7	91	0.00
18 M	Methylene Chloride	20.000	17.912	10.4	94	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.286	8.6	95	0.00
20 T	Diisopropyl ether	20.000	18.791	6.0	96	0.00
21 M	1,1-Dichloroethane	20.000	18.129	9.4	94	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.432	7.8	95	0.00
23 M	tert-Butyl Alcohol	100.000	78.399	21.6	80	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.024	9.9	95	0.00
25 M	Chloroform	20.000	18.334	8.3	95	0.00
26	Cyclohexane	20.000	17.792	11.0	93	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.318	5.6	96	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	101	0.00
29	1,1-Dichloropropene	20.000	18.371	8.1	92	0.00
30 M	2-Butanone	100.000	90.376	9.6	88	0.00
31	2,2-Dichloropropane	20.000	16.465	17.7	84	0.00
32 M	1,1,1-Trichloroethane	20.000	18.226	8.9	93	0.00
33 M	Carbon Tetrachloride	20.000	17.685	11.6	90	0.00
34 M	Benzene	20.000	19.008	5.0	94	0.00
35	Methacrylonitrile	20.000	18.626	6.9	94	0.00
36 M	1,2-Dichloroethane	20.000	18.831	5.8	93	0.00
37 M	Trichloroethene	20.000	18.623	6.9	94	0.00
38	Methylcyclohexane	20.000	17.997	10.0	93	0.00
39 M	1,2-Dichloropropane	20.000	18.988	5.1	95	0.00
40	Dibromomethane	20.000	18.935	5.3	94	0.00
41 M	Bromodichloromethane	20.000	18.138	9.3	92	0.00
42 M	Vinyl Acetate	100.000	93.329	6.7	93	0.00
43	Ethyl Acetate	20.000	19.721	1.4	101	0.00
44	Isopropyl Acetate	20.000	18.960	5.2	94	0.00
45 T	1,4-Dioxane	400.000	324.037	19.0	79	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	18.303	8.5	92	0.00
47	n-amyl Acetate	20.000	18.186	9.1	96	0.00
48 M	t-1,3-Dichloropropene	20.000	17.662	11.7	93	0.00
49 T	cis-1,3-Dichloropropene	20.000	17.842	10.8	91	0.00
50 M	1,1,2-Trichloroethane	20.000	18.874	5.6	94	0.00
51	Ethyl methacrylate	20.000	18.299	8.5	94	0.00
52	1,3-Dichloropropane	20.000	18.780	6.1	93	0.00
53 M	Dibromochloromethane	20.000	17.850	10.7	93	0.00
54 M	1,2-Dibromoethane	20.000	19.107	4.5	95	0.00
55 M	2-Chloroethyl vinyl ether	100.000	99.792	0.2	102	0.00
56 M	Bromoform	20.000	16.745	16.3	90	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	100.000	97.448	2.6	93	0.00
59 M	2-Hexanone	100.000	93.462	6.5	90	0.00
60 S	4-Bromofluorobenzene	30.000	29.005	3.3	95	0.00
61 M	Tetrachloroethene	20.000	20.204	-1.0	95	0.00
62 M	Toluene	20.000	19.321	3.4	94	0.00
63 S	Toluene-d8	30.000	30.984	-3.3	99	0.00
64 M	Chlorobenzene	20.000	19.076	4.6	95	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.940	5.3	93	0.00
66 M	Ethyl Benzene	20.000	19.009	5.0	95	0.00
67 M	m/p-Xylenes	40.000	37.513	6.2	92	0.00
68 M	o-Xylene	20.000	19.109	4.5	97	0.00
69 M	Styrene	20.000	18.756	6.2	93	0.00
70	Isopropylbenzene	20.000	18.313	8.4	90	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.923	5.4	95	0.00
72	1,2,3-Trichloropropane	20.000	18.545	7.3	83	0.00
73	Bromobenzene	20.000	18.544	7.3	95	0.00
74	n-propylbenzene	20.000	18.325	8.4	92	0.00
75	2-Chlorotoluene	20.000	18.413	7.9	91	0.00
76	1,3,5-Trimethylbenzene	20.000	18.794	6.0	96	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.331	18.3	86	0.00
78	4-Chlorotoluene	20.000	19.056	4.7	97	0.00
79	tert-butylbenzene	20.000	18.416	7.9	96	0.00
80	1,2,4-Trimethylbenzene	20.000	19.039	4.8	97	0.00
81	sec-Butylbenzene	20.000	18.362	8.2	92	0.00
82	p-Isopropyltoluene	20.000	18.805	6.0	96	0.00
83 M	1,3-Dichlorobenzene	20.000	18.450	7.8	95	0.00
84 M	1,4-Dichlorobenzene	20.000	18.693	6.5	96	0.00
85	n-Butylbenzene	20.000	17.387	13.1	91	0.00
86 T	Hexachloroethane	20.000	17.160	14.2	90	0.00
87 M	1,2-Dichlorobenzene	20.000	18.642	6.8	93	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.897	15.5	83	0.00
89	1,2,4-Trichlorobenzene	20.000	18.578	7.1	97	0.00
90	Hexachlorobutadiene	20.000	16.622	16.9	89	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	19.120	4.4	98	0.00
92	1,2,3-Trichlorobenzene	20.000	18.229	8.9	94	0.00

(#) = Out of Range

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