

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120719\
 Data File : VX0137837.D
 Acq On : 07 Dec 2019 13:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 09 02:40:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	90	0.00
2 M	Dichlorodifluoromethane	2.248	2.121	5.6	88	0.00
3 M	Chloromethane	2.450	2.281	6.9	87	0.00
4 M	Vinyl Chloride	2.784	2.623	5.8	89	0.00
5 M	Bromomethane	1.673	1.385	17.2	88	0.00
6 M	Chloroethane	1.530	1.405	8.2	88	0.00
7 M	Trichlorofluoromethane	2.997	2.820	5.9	91	0.00
8 T	Diethyl Ether	1.368	1.256	8.2	90	0.00
9	1,1,2-Trichlorotrifluoroeth	1.803	1.759	2.4	93	0.00
10 M	1,1-Dichloroethene	1.853	1.692	8.7	89	0.00
11	Methyl Iodide	2.288	1.832	19.9	82	0.00
12	Methyl Acetate	3.247	2.803	13.7	83	0.00
13 M	Acrolein	0.345	0.309	10.4	87	0.00
14 M	Acrylonitrile	1.194	0.984	17.6	80	0.00
15 M	Acetone	0.362	0.367	-1.4	87	0.00
16 M	Carbon Disulfide	5.168	4.593	11.1	88	0.00
17	Allyl chloride	3.412	3.050	10.6	86	0.00
18 M	Methylene Chloride	2.102	2.010	4.4	95	0.00
19 M	trans-1,2-Dichloroethene	1.980	1.845	6.8	91	0.00
20 T	Diisopropyl ether	6.564	6.183	5.8	92	0.00
21 M	1,1-Dichloroethane	3.575	3.310	7.4	90	0.00
22 M	cis-1,2-Dichloroethene	2.258	2.120	6.1	92	0.00
23 M	tert-Butyl Alcohol	0.575	0.420	27.0	75	0.00
24 M	Methyl tert-Butyl Ether	6.132	5.614	8.4	89	0.00
25 M	Chloroform	3.500	3.276	6.4	91	0.00
26	Cyclohexane	3.247	3.046	6.2	92	0.00
27 s	1,2-Dichloroethane-d4	2.215	2.131	3.8	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
29	1,1-Dichloropropene	0.458	0.446	2.6	95	0.00
30 M	2-Butanone	0.302	0.270	10.6	81	0.00
31	2,2-Dichloropropane	0.496	0.478	3.6	91	0.00
32 M	1,1,1-Trichloroethane	0.509	0.485	4.7	91	0.00
33 M	Carbon Tetrachloride	0.442	0.409	7.5	88	0.00
34 M	Benzene	1.390	1.337	3.8	91	0.00
35	Methacrylonitrile	0.302	0.270	10.6	84	0.00
36 M	1,2-Dichloroethane	0.486	0.460	5.3	89	0.00
37 M	Trichloroethene	0.372	0.359	3.5	93	0.00
38	Methylcyclohexane	0.562	0.547	2.7	94	0.00
39 M	1,2-Dichloropropane	0.359	0.344	4.2	92	0.00
40	Dibromomethane	0.239	0.220	7.9	87	0.00
41 M	Bromodichloromethane	0.467	0.431	7.7	87	0.00
42 M	Vinyl Acetate	0.952	0.869	8.7	86	0.00
43	Ethyl Acetate	0.552	0.468	15.2	79	0.00
44	Isopropyl Acetate	0.887	0.780	12.1	85	0.00
45 T	1,4-Dioxane	0.010	0.008#	20.0	77	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.441	0.394	10.7	87	0.00
47	n-amyl Acetate	0.778	0.671	13.8	85	0.00
48 M	t-1,3-Dichloropropene	0.524	0.473	9.7	90	0.00
49 T	cis-1,3-Dichloropropene	0.574	0.534	7.0	90	0.00
50 M	1,1,2-Trichloroethane	0.354	0.333	5.9	88	0.00
51	Ethyl methacrylate	0.583	0.527	9.6	90	0.00
52	1,3-Dichloropropane	0.605	0.574	5.1	89	0.00
53 M	Dibromochloromethane	0.375	0.348	7.2	91	0.00
54 M	1,2-Dibromoethane	0.378	0.351	7.1	87	0.00
55 M	2-Chloroethyl vinyl ether	0.249	0.172	30.9#	65	0.00
56 M	Bromoform	0.298	0.254	14.8	86	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
58 M	4-Methyl-2-Pentanone	0.627	0.548	12.6	82	0.00
59 M	2-Hexanone	0.496	0.427	13.9	80	0.00
60 S	4-Bromofluorobenzene	0.482	0.480	0.4	92	0.00
61 M	Tetrachloroethene	0.370	0.377	-1.9	99	0.00
62 M	Toluene	1.671	1.592	4.7	90	0.00
63 S	Toluene-d8	1.357	1.357	0.0	91	0.00
64 M	Chlorobenzene	1.045	1.014	3.0	94	0.00
65	1,1,1,2-Tetrachloroethane	0.391	0.367	6.1	91	0.00
66 M	Ethyl Benzene	1.836	1.789	2.6	93	0.00
67 M	m/p-Xylenes	0.708	0.685	3.2	93	0.00
68 M	o-Xylene	0.683	0.660	3.4	94	0.00
69 M	Styrene	1.167	1.110	4.9	92	0.00
70	Isopropylbenzene	1.801	1.742	3.3	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.645	0.582	9.8	86	0.00
72	1,2,3-Trichloropropane	0.544	0.535	1.7	101	0.00
73	Bromobenzene	0.475	0.448	5.7	92	0.00
74	n-propylbenzene	2.047	2.002	2.2	95	0.00
75	2-Chlorotoluene	1.217	1.179	3.1	93	0.00
76	1,3,5-Trimethylbenzene	1.514	1.467	3.1	94	0.00
77	t-1,4-Dichloro-2-butene	0.220	0.175	20.5	81	0.00
78	4-Chlorotoluene	1.394	1.339	3.9	94	0.00
79	tert-butylbenzene	1.527	1.437	5.9	91	0.00
80	1,2,4-Trimethylbenzene	1.508	1.456	3.4	94	0.00
81	sec-Butylbenzene	1.742	1.706	2.1	96	0.00
82	p-Isopropyltoluene	1.605	1.557	3.0	95	0.00
83 M	1,3-Dichlorobenzene	0.835	0.799	4.3	95	0.00
84 M	1,4-Dichlorobenzene	0.829	0.802	3.3	96	0.00
85	n-Butylbenzene	1.386	1.337	3.5	97	0.00
86 T	Hexachloroethane	0.295	0.268	9.2	93	0.00
87 M	1,2-Dichlorobenzene	0.835	0.791	5.3	93	0.00
88	1,2-Dibromo-3-Chloropropane	0.144	0.122	15.3	86	0.00
89	1,2,4-Trichlorobenzene	0.576	0.528	8.3	93	0.00
90	Hexachlorobutadiene	0.276	0.264	4.3	96	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.823	1.564	14.2	85	0.00
92	1,2,3-Trichlorobenzene	0.582	0.530	8.9	91	0.00

(#) = Out of Range

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