Evaluate Continuing Calibration Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120719\
Data File : VX0137844.D
Acq On : 07 Dec 2019 16:35
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId :

Quant Time: Dec 09 03:05:47 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	80	0.00
2	M	Dichlorodifluoromethane	2.248	2.160	3.9	80	0.00
3	M	Chloromethane	2.450	2.305	5.9	79	0.00
4	M	Vinyl Chloride	2.784	2.666	4.2	81	0.00
5	M	Bromomethane	1.673	1.105	34.0#	63	0.00
6	M	Chloroethane	1.530	1.486	2.9	84	0.00
7	M	Trichlorofluoromethane	2.997	2.822	5.8	82	0.00
8	T	Diethyl Ether	1.368	1.337	2.3	85	0.00
9		1,1,2-Trichlorotrifluoroeth	1.803	1.803	0.0	86	0.00
10	M	1,1-Dichloroethene	1.853	1.800	2.9	85	0.00
11		Methyl Iodide	2.288	1.228	46.3#	49	0.00
12		Methyl Acetate	3.247	3.148	3.0	84	0.00
13	M	Acrolein	0.345	0.342	0.9	86	0.00
14	M	Acrylonitrile	1.194	1.084	9.2	79	0.00
15	M	Acetone	0.362	0.285	21.3	60	0.00
16	M	Carbon Disulfide	5.168	4.631	10.4	79	0.00
17		Allyl chloride	3.412	3.138	8.0	80	0.00
18	M	Methylene Chloride	2.102	2.075	1.3	87	0.00
19	M	trans-1,2-Dichloroethene	1.980	1.862	6.0	83	0.00
20	T	Diisopropyl ether	6.564	6.507	0.9	86	0.00
21	M	1,1-Dichloroethane	3.575	3.512	1.8	86	0.00
22	M	cis-1,2-Dichloroethene	2.258	2.193	2.9	85	0.00
23	M	tert-Butyl Alcohol	0.575	0.406	29.4	65	0.00
24	M	Methyl tert-Butyl Ether	6.132	5.932	3.3	84	0.00
25	M	Chloroform	3.500	3.419	2.3	85	0.00
26		Cyclohexane	3.247	3.117	4.0	85	0.00
27	s	1,2-Dichloroethane-d4	2.215	2.111	4.7	79	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
29		1,1-Dichloropropene	0.458	0.459	-0.2	85	0.00
30	M	2-Butanone	0.302	0.268	11.3	71	0.00
31		2,2-Dichloropropane	0.496	0.492	0.8	82	0.00
32	M	1,1,1-Trichloroethane	0.509	0.511	-0.4	84	0.00
33	M	Carbon Tetrachloride	0.442	0.433	2.0	81	0.00
34	M	Benzene	1.390	1.437	-3.4	86	0.00
35		Methacrylonitrile	0.302	0.298	1.3	81	0.00
36	M	1,2-Dichloroethane	0.486	0.494	-1.6	84	0.00
37	M	Trichloroethene	0.372	0.375	-0.8	85	0.00
38		Methylcyclohexane	0.562	0.555	1.2	83	0.00
39	M	1,2-Dichloropropane	0.359	0.367	-2.2	86	0.00
40		Dibromomethane	0.239	0.241	-0.8	84	0.00
41	M	Bromodichloromethane	0.467	0.456	2.4	81	0.00
42	M	Vinyl Acetate	0.952	0.948	0.4	83	0.00
43		Ethyl Acetate	0.552	0.517	6.3	77	0.00
44		Isopropyl Acetate	0.887	0.857	3.4	82	0.00
45	T	1,4-Dioxane	0.010	0.006#	40.0#	53	0.00

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46		Methyl methacrylate	0.441	0.424	3.9	82	0.00
47		n-amyl Acetate	0.778	0.754	3.1	84	0.00
48	M	t-1,3-Dichloropropene	0.524	0.497	5.2	83	0.00
49	T	cis-1,3-Dichloropropene	0.574	0.564	1.7	83	0.00
50	M	1,1,2-Trichloroethane	0.354	0.353	0.3	82	0.00
51		Ethyl methacrylate	0.583	0.573	1.7	85	0.00
52		1,3-Dichloropropane	0.605	0.619	-2.3	84	0.00
53	M	Dibromochloromethane	0.375	0.370	1.3	85	0.00
54	M	1,2-Dibromoethane	0.378	0.376	0.5	82	0.00
55	M	2-Chloroethyl vinyl ether	0.249	0.212	14.9	70	0.00
56	M	Bromoform	0.298	0.271	9.1	81	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
58	M	4-Methyl-2-Pentanone	0.627	0.606	3.3	80	0.00
59	M	2-Hexanone	0.496	0.462	6.9	76	0.00
60	S	4-Bromofluorobenzene	0.482	0.481	0.2	81	0.00
61	M	Tetrachloroethene	0.370	0.371	-0.3	85	0.00
62	M	Toluene	1.671	1.713	-2.5	84	0.00
63	S	Toluene-d8	1.357	1.365	-0.6	80	0.00
64	M	Chlorobenzene	1.045	1.085	-3.8	88	0.00
65		1,1,1,2-Tetrachloroethane	0.391	0.393	-0.5	85	0.00
66	M	Ethyl Benzene	1.836	1.887	-2.8	86	0.00
67	M	m/p-Xylenes	0.708	0.718	-1.4	85	0.00
68	M	o-Xylene	0.683	0.706	-3.4	88	0.00
69	M	Styrene	1.167	1.175	-0.7	85	0.00
70		Isopropylbenzene	1.801	1.866	-3.6	86	0.00
71	M	1,1,2,2-Tetrachloroethane	0.645	0.648	-0.5	84	0.00
72		1,2,3-Trichloropropane	0.544	0.582	-7.0	96	0.00
73		Bromobenzene	0.475	0.486	-2.3	87	0.00
74		n-propylbenzene	2.047	2.109	-3.0	87	0.00
75		2-Chlorotoluene	1.217	1.246	-2.4	86	0.00
76		1,3,5-Trimethylbenzene	1.514	1.536	-1.5	86	0.00
77		t-1,4-Dichloro-2-butene	0.220	0.189	14.1	77	0.00
78		4-Chlorotoluene	1.394	1.415	-1.5	87	0.00
79		tert-butylbenzene	1.527	1.548	-1.4	85	0.00
80		1,2,4-Trimethylbenzene	1.508	1.534	-1.7	86	0.00
81		sec-Butylbenzene	1.742	1.782	-2.3	87	0.00
82		p-Isopropyltoluene	1.605	1.619	-0.9	86	0.00
83	M	1,3-Dichlorobenzene	0.835	0.845	-1.2	88	0.00
84	M	1,4-Dichlorobenzene	0.829	0.849	-2.4	89	0.00
85		n-Butylbenzene	1.386	1.385	0.1	87	0.00
86	T	Hexachloroethane	0.295	0.277	6.1	84	0.00
87	M	1,2-Dichlorobenzene	0.835	0.852	-2.0	87	0.00
88		1,2-Dibromo-3-Chloropropane	0.144	0.132	8.3	81	0.00
89		1,2,4-Trichlorobenzene	0.576	0.572	0.7	88	0.00
90		Hexachlorobutadiene	0.276	0.254	8.0	80	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.823	1.791	1.8	85	0.00
92	1,2,3-Trichlorobenzene	0.582	0.576	1.0	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0