

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120820\
 Data File : VX019759.D
 Acq On : 08 Dec 2020 11:42
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:17:52 AM

Quant Time: Dec 09 06:02:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 05:54:44 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.983	128	53383	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.830	114	296169	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	273967	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	111830	30.23	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.77%
60) 4-Bromofluorobenzene	11.122	95	140348	30.51	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.70%
63) Toluene-d8	8.696	98	354871	29.57	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.57%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	280592	98.89	ug/l	98
3) Chloromethane	1.313	50	299685	98.99	ug/l	98
4) Vinyl Chloride	1.392	62	347016	99.06	ug/l	100
5) Bromomethane	1.624	94	97912	72.22	ug/l	98
6) Chloroethane	1.697	64	220532	99.82	ug/l	96
7) Trichlorofluoromethane	1.910	101	485088	98.30	ug/l	99
8) Diethyl Ether	2.166	74	202626	98.90	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.361	101	290902	102.48	ug/l	98
10) 1,1-Dichloroethene	2.349	96	297019	103.08	ug/l	99
11) Methyl Iodide	2.489	142	400066	106.21	ug/l	97
12) Methyl Acetate	2.745	43	386638	103.05	ug/l	98
13) Acrolein	2.270	56	278396	523.67	ug/l	99
14) Acrylonitrile	3.111	53	931021	510.49	ug/l	100
15) Acetone	2.416	58	275810	508.26	ug/l	100
16) Carbon Disulfide	2.544	76	788320	99.95	ug/l	99
17) Allyl chloride	2.703	41	484279	102.09	ug/l	98
18) Methylene Chloride	2.831	84	349153	98.22	ug/l	97
19) trans-1,2-Dichloroethene	3.142	96	330546	98.90	ug/l	97
20) Diisopropyl ether	3.824	45	983858	99.97	ug/l	95
21) 1,1-Dichloroethane	3.666	63	585657	99.39	ug/l	99
22) cis-1,2-Dichloroethene	4.562	96	387440	100.28	ug/l	99
23) tert-Butyl Alcohol	3.020	59	419656	2266.67	ug/l #	100
24) Methyl tert-Butyl Ether	3.166	73	1053013	100.38	ug/l	100
25) Chloroform	5.172	83	607001	99.83	ug/l	100
26) Cyclohexane	5.544	56	503743	99.59	ug/l #	100
29) 1,1-Dichloropropene	5.763	75	452002	98.33	ug/l	99
30) 2-Butanone	4.629	43	1228304	504.35	ug/l	99
31) 2,2-Dichloropropane	4.544	77	515929	99.42	ug/l	100
32) 1,1,1-Trichloroethane	5.458	97	527611	99.09	ug/l	99
33) Carbon Tetrachloride	5.751	117	457240	99.82	ug/l	99
34) Benzene	6.111	78	1384402	98.44	ug/l	99
35) Methacrylonitrile	5.001	41	250673	99.54	ug/l	98
36) 1,2-Dichloroethane	6.159	62	473329	97.98	ug/l	100
37) Trichloroethene	7.184	130	363196	98.43	ug/l	99
38) Methylcyclohexane	7.440	83	544924	99.63	ug/l	99
39) 1,2-Dichloropropane	7.488	63	349365	98.84	ug/l	99
40) Dibromomethane	7.635	93	238353	98.62	ug/l	99
41) Bromodichloromethane	7.873	83	487479	101.45	ug/l	98
42) Vinyl Acetate	3.782	43	4283848	502.07	ug/l	100
43) Ethyl Acetate	4.794	43	462538	100.22	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Isopropyl Acetate	6.409	43	763082	101.56	ug/l	100
45) 1,4-Dioxane	7.714	88	186239	2048.36	ug/l	100
46) Methyl methacrylate	7.745	41	381360	103.03	ug/l	98
47) n-amyl Acetate	10.878	43	687263	106.77	ug/l	99
48) t-1,3-Dichloropropene	9.019	75	555657	103.86	ug/l	100
49) cis-1,3-Dichloropropene	8.415	75	591466	101.08	ug/l	96
50) 1,1,2-Trichloroethane	9.195	97	359346	99.67	ug/l	99
51) Ethyl methacrylate	9.159	69	576565	104.20	ug/l	98
52) 1,3-Dichloropropane	9.348	76	595579	98.15	ug/l	99
53) Dibromochloromethane	9.561	129	387980	102.10	ug/l	100
54) 1,2-Dibromoethane	9.653	107	380193	99.54	ug/l	97
55) 2-Chloroethyl vinyl ether	8.293	63	1461177	510.42	ug/l	100
56) Bromoform	10.842	173	304888	107.77	ug/l	100
58) 4-Methyl-2-Pentanone	8.622	43	2394155	511.49	ug/l	99
59) 2-Hexanone	9.470	43	1883563	515.57	ug/l	99
61) Tetrachloroethene	9.317	164	312906	96.82	ug/l	97
62) Toluene	8.763	91	1485559	98.20	ug/l	100
64) Chlorobenzene	10.122	112	934977	98.55	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.201	131	355625	101.09	ug/l	99
66) Ethyl Benzene	10.232	91	1689709	99.45	ug/l	99
67) m/p-Xylenes	10.342	106	1283350	199.97	ug/l	98
68) o-Xylene	10.683	106	626568	100.59	ug/l	100
69) Styrene	10.695	104	1088480	102.82	ug/l	99
70) Isopropylbenzene	11.000	105	1649680	99.38	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.250	83	571472	99.46	ug/l	100
72) 1,2,3-Trichloropropane	11.280	75	533181m	99.44	ug/l	
73) Bromobenzene	11.238	156	428788	101.49	ug/l	99
74) n-propylbenzene	11.341	91	1917303	99.88	ug/l	100
75) 2-Chlorotoluene	11.402	91	1164846	99.96	ug/l	100
76) 1,3,5-Trimethylbenzene	11.488	105	1425581	101.33	ug/l	99
77) t-1,4-Dichloro-2-butene	11.055	75	213349	110.24	ug/l	94
78) 4-Chlorotoluene	11.494	91	1356783	100.69	ug/l	99
79) tert-butylbenzene	11.756	119	1423640	103.35	ug/l	96
80) 1,2,4-Trimethylbenzene	11.793	105	1432747	101.41	ug/l	99
81) sec-Butylbenzene	11.933	105	1630178	102.26	ug/l	99
82) p-Isopropyltoluene	12.049	119	1492392	102.13	ug/l	100
83) 1,3-Dichlorobenzene	12.006	146	770465	101.13	ug/l	99
84) 1,4-Dichlorobenzene	12.079	146	763587	99.61	ug/l	99
85) n-Butylbenzene	12.372	91	1345379	104.72	ug/l	99
86) Hexachloroethane	12.579	117	273572	106.37	ug/l	98
87) 1,2-Dichlorobenzene	12.372	146	740597	98.92	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.981	75	130774	104.66	ug/l	98
89) 1,2,4-Trichlorobenzene	13.628	180	521901	105.60	ug/l	96
90) Hexachlorobutadiene	13.762	225	213214	98.64	ug/l	96
91) Naphthalene	13.817	128	1754542	108.42	ug/l	99
92) 1,2,3-Trichlorobenzene	13.999	180	515219	106.17	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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