

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
 Data File : VX020907.D
 Acq On : 25 Feb 2021 11:07
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 2:30:40 PM

Quant Time: Feb 25 11:29:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 25 11:10:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.982	128	34359	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	196731	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	174135	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	73799	30.81	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.70%			
60) 4-Bromofluorobenzene	11.118	95	86151	29.40	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.00%			
63) Toluene-d8	8.694	98	236311	30.89	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.97%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.181	85	294883	162.14	ug/l	98
3) Chloromethane	1.311	50	311427	159.79	ug/l	99
4) Vinyl Chloride	1.393	62	374640	166.06	ug/l	99
5) Bromomethane	1.623	94	117750	132.91	ug/l	99
6) Chloroethane	1.693	64	234697	164.80	ug/l	97
7) Trichlorofluoromethane	1.905	101	484452	154.96	ug/l	99
8) Diethyl Ether	2.170	74	217841	166.23	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.358	101	299430	164.51	ug/l	96
10) 1,1-Dichloroethene	2.346	96	313391	168.47	ug/l	93
11) Methyl Iodide	2.482	142	430180	176.34	ug/l	95
12) Methyl Acetate	2.752	43	355153	151.30	ug/l	98
13) Acrolein	2.276	56	285183	856.47	ug/l	100
14) Acrylonitrile	3.117	53	878621	765.40	ug/l	100
15) Acetone	2.423	58	236231	677.81	ug/l	99
16) Carbon Disulfide	2.546	76	873886	170.00	ug/l	99
17) Allyl chloride	2.705	41	496945	163.36	ug/l	97
18) Methylene Chloride	2.829	84	349298	154.45	ug/l	96
19) trans-1,2-Dichloroethene	3.140	96	343241	160.03	ug/l	100
20) Diisopropyl ether	3.829	45	1002289	159.97	ug/l	93
21) 1,1-Dichloroethane	3.664	63	592072	158.22	ug/l	100
22) cis-1,2-Dichloroethene	4.558	96	399040	161.62	ug/l	97
23) tert-Butyl Alcohol	3.035	59	394170	721.52	ug/l #	100
24) Methyl tert-Butyl Ether	3.170	73	1091354	162.66	ug/l	99
25) Chloroform	5.176	83	606655	157.13	ug/l	99
26) Cyclohexane	5.547	56	531957	163.07	ug/l #	99
29) 1,1-Dichloropropene	5.764	75	466738	155.89	ug/l	100
30) 2-Butanone	4.641	43	1136187	720.21	ug/l	99
31) 2,2-Dichloropropane	4.546	77	530904	156.46	ug/l	100
32) 1,1,1-Trichloroethane	5.458	97	528448	152.87	ug/l	99
33) Carbon Tetrachloride	5.758	117	458318	154.72	ug/l	94
34) Benzene	6.111	78	1404195	153.76	ug/l	99
35) Methacrylonitrile	5.005	41	251953	154.81	ug/l	97
36) 1,2-Dichloroethane	6.158	62	472420	151.39	ug/l	99
37) Trichloroethene	7.188	130	384916	159.37	ug/l	95
38) Methylcyclohexane	7.435	83	598216	165.32	ug/l	98
39) 1,2-Dichloropropane	7.488	63	350118	152.64	ug/l	98
40) Dibromomethane	7.635	93	244031	155.39	ug/l	97
41) Bromodichloromethane	7.876	83	500969	159.23	ug/l	98
42) Vinyl Acetate	3.788	43	4352654	785.98	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
 Data File : VX020907.D
 Acq On : 25 Feb 2021 11:07
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 2:30:40 PM

Quant Time: Feb 25 11:29:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 25 11:10:27 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.799	43	449858	151.01	ug/l	100
44) Isopropyl Acetate	6.411	43	760496	156.28	ug/l	99
45) 1,4-Dioxane	7.717	88	174365	2950.39	ug/l	99
46) Methyl methacrylate	7.747	41	380889	157.76	ug/l	97
47) n-amyl Acetate	10.883	43	637756	152.08	ug/l	97
48) t-1,3-Dichloropropene	9.024	75	575019	163.42	ug/l	99
49) cis-1,3-Dichloropropene	8.418	75	619530	161.58	ug/l	95
50) 1,1,2-Trichloroethane	9.194	97	348087	148.39	ug/l	99
51) Ethyl methacrylate	9.159	69	561081	154.93	ug/l	98
52) 1,3-Dichloropropane	9.353	76	592956	150.98	ug/l	99
53) Dibromochloromethane	9.565	129	376410	151.57	ug/l	99
54) 1,2-Dibromoethane	9.653	107	366357	148.71	ug/l	97
55) 2-Chloroethyl vinyl ether	8.294	63	1432628	774.95	ug/l	99
56) Bromoform	10.841	173	269575	148.24	ug/l	99
58) 4-Methyl-2-Pentanone	8.623	43	2148133	741.90	ug/l	99
59) 2-Hexanone	9.477	43	1622558	717.17	ug/l	99
61) Tetrachloroethene	9.318	164	314036	154.86	ug/l	97
62) Toluene	8.765	91	1509569	159.38	ug/l	100
64) Chlorobenzene	10.124	112	920234	154.99	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.206	131	345830	157.02	ug/l	98
66) Ethyl Benzene	10.235	91	1661002	156.23	ug/l	99
67) m/p-Xylenes	10.341	106	1220376	305.72	ug/l	98
68) o-Xylene	10.683	106	591158	151.62	ug/l	99
69) Styrene	10.694	104	1031474	155.59	ug/l	99
70) Isopropylbenzene	11.000	105	1584213	152.65	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.253	83	499341	141.41	ug/l	99
72) 1,2,3-Trichloropropane	11.283	75	486790m	150.00	ug/l	
73) Bromobenzene	11.241	156	387196	148.29	ug/l	98
74) n-propylbenzene	11.341	91	1815122	151.03	ug/l	100
75) 2-Chlorotoluene	11.406	91	1085607	149.03	ug/l	97
76) 1,3,5-Trimethylbenzene	11.489	105	1294710	147.77	ug/l	97
77) t-1,4-Dichloro-2-butene	11.059	75	199677	164.12	ug/l	91
78) 4-Chlorotoluene	11.494	91	1245138	148.31	ug/l	99
79) tert-butylbenzene	11.753	119	1274446	147.12	ug/l	99
80) 1,2,4-Trimethylbenzene	11.789	105	1317088	148.74	ug/l	99
81) sec-Butylbenzene	11.930	105	1523776	152.93	ug/l	100
82) p-Isopropyltoluene	12.047	119	1396074	152.85	ug/l	99
83) 1,3-Dichlorobenzene	12.012	146	695821	146.80	ug/l	99
84) 1,4-Dichlorobenzene	12.083	146	682147	144.03	ug/l	98
85) n-Butylbenzene	12.371	91	1274300	158.04	ug/l	98
86) Hexachloroethane	12.577	117	272042	167.07	ug/l	90
87) 1,2-Dichlorobenzene	12.377	146	647966	140.75	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.983	75	120356	154.78	ug/l	98
89) 1,2,4-Trichlorobenzene	13.630	180	451859	148.22	ug/l	99
90) Hexachlorobutadiene	13.765	225	180179	136.49	ug/l	95
91) Naphthalene	13.818	128	1590782	156.96	ug/l	100
92) 1,2,3-Trichlorobenzene	14.001	180	447615	149.57	ug/l	97

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

