

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011022\
 Data File : VX026396.D
 Acq On : 10 Jan 2022 12:19
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 10 12:46:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:35:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/11/2022
 Supervised By : Mahesh Dadoda 01/11/2022

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

Internal Standards						
1) Bromochloromethane	4.904	128	20705	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	110743	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	95598	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	47957	24.269	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	80.900%	#	
60) 4-Bromofluorobenzene	11.085	95	48573	27.848	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.833%		
63) Toluene-d8	8.653	98	129310	29.287	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.633%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	160737	101.379	ug/l	98
3) Chloromethane	1.295	50	135765	162.987	ug/l	99
4) Vinyl Chloride	1.380	62	151878	158.994	ug/l	99
5) Bromomethane	1.612	94	62928	80.239	ug/l	99
6) Chloroethane	1.685	64	72895	135.341	ug/l	97
7) Trichlorofluoromethane	1.892	101	237952	103.213	ug/l	95
8) Diethyl Ether	2.136	74	86480	158.292	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	148258	123.280	ug/l	97
10) 1,1-Dichloroethene	2.325	96	139551	136.850	ug/l	95
11) Methyl Iodide	2.459	142	170187	160.489	ug/l	99
12) Methyl Acetate	2.709	43	295565	137.947	ug/l	99
13) Acrolein	2.240	56	205172	2102.425	ug/l	97
14) Acrylonitrile	3.069	53	408145	676.314	ug/l	98
15) Acetone	2.386	58	122059	661.971	ug/l	94
16) Carbon Disulfide	2.514	76	390503	150.023	ug/l	99
17) Allyl chloride	2.666	41	272479	167.508	ug/l	97
18) Methylene Chloride	2.794	84	149184	124.983	ug/l	97
19) trans-1,2-Dichloroethene	3.099	96	150874	134.585	ug/l	97
20) Diisopropyl ether	3.764	45	512175	145.541	ug/l	97
21) 1,1-Dichloroethane	3.617	63	286517	122.692	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	174907	131.488	ug/l	96
23) tert-Butyl Alcohol	3.038	59	160889m	438.400	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	517151	119.982	ug/l	99
25) Chloroform	5.105	83	294664	108.821	ug/l	98
26) Cyclohexane	5.477	56	257870	138.419	ug/l #	98
29) 1,1-Dichloropropene	5.696	75	222073	124.707	ug/l	99
30) 2-Butanone	4.562	43	624781	695.631	ug/l	99
31) 2,2-Dichloropropane	4.483	77	242867	107.371	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	272786	106.487	ug/l	97
33) Carbon Tetrachloride	5.684	117	241390	107.379	ug/l	99
34) Benzene	6.044	78	608115	133.892	ug/l	97
35) Methacrylonitrile	4.928	41	134492	151.840	ug/l	99
36) 1,2-Dichloroethane	6.092	62	241200	109.599	ug/l	100
37) Trichloroethene	7.129	130	177426	139.770	ug/l	96
38) Methylcyclohexane	7.385	83	262765	137.409	ug/l	96
39) 1,2-Dichloropropane	7.434	63	155941	125.814	ug/l	97
40) Dibromomethane	7.586	93	109529	113.430	ug/l	98
41) Bromodichloromethane	7.824	83	228140	111.277	ug/l	99
42) Vinyl Acetate	3.727	43	2035424	757.443	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	239773	139.280	ug/l	99
44) Isopropyl Acetate	6.342	43	394268	146.419	ug/l	100
45) 1,4-Dioxane	7.684	88	61155	2138.699	ug/l	94
46) Methyl methacrylate	7.696	41	192189	145.992	ug/l	99
47) n-amyl Acetate	10.848	43	312821	144.058	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	244712	110.806	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	262521	119.079	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	146869	112.330	ug/l	97
51) Ethyl methacrylate	9.122	69	246486	116.968	ug/l	95
52) 1,3-Dichloropropane	9.311	76	255927	114.552	ug/l	100
53) Dibromochloromethane	9.525	129	167322	112.093	ug/l	99
54) 1,2-Dibromoethane	9.610	107	158320	108.407	ug/l	100
55) 2-Chloroethyl vinyl ether	8.251	63	746804	796.394	ug/l	98
56) Bromoform	10.805	173	117764	118.827	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	1111473	689.688	ug/l	99
59) 2-Hexanone	9.439	43	863947	697.697	ug/l	99
61) Tetrachloroethene	9.275	164	172269	153.785	ug/l	98
62) Toluene	8.720	91	637740	130.416	ug/l	99
64) Chlorobenzene	10.080	112	390405	132.180	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	150900	114.366	ug/l	98
66) Ethyl Benzene	10.195	91	713384	123.379	ug/l	100
67) m/p-Xylenes	10.305	106	531287	267.223	ug/l	97
68) o-Xylene	10.647	106	261802	134.843	ug/l	97
69) Styrene	10.659	104	442505	134.165	ug/l	98
70) Isopropylbenzene	10.964	105	692494	122.761	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.214	83	199161	106.955	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	195550m	108.424	ug/l	
73) Bromobenzene	11.201	156	162643	129.031	ug/l	91
74) n-propylbenzene	11.305	91	810472	121.148	ug/l	100
75) 2-Chlorotoluene	11.366	91	484955	115.672	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	579595	117.813	ug/l	99
77) t-1,4-Dichloro-2-butene	11.025	75	71051	117.003	ug/l	95
78) 4-Chlorotoluene	11.457	91	554530	115.888	ug/l	98
79) tert-butylbenzene	11.713	119	548408	118.315	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	578435	119.562	ug/l	99
81) sec-Butylbenzene	11.890	105	716035	124.165	ug/l	100
82) p-Isopropyltoluene	12.012	119	612511	128.056	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	311997	133.106	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	310416	132.982	ug/l	98
85) n-Butylbenzene	12.335	91	538051	123.338	ug/l	98
86) Hexachloroethane	12.543	117	102657	120.384	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	296172	128.334	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	56306	110.550	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	203707	145.713	ug/l	99
90) Hexachlorobutadiene	13.725	225	84234	119.253	ug/l	98
91) Naphthalene	13.780	128	702424	147.021	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	202217	141.813	ug/l	98

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

