

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042843.D
 Acq On : 02 Aug 2024 15:18
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 02 21:21:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 02 21:18:22 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024
 Supervised By :Semsettin Yesilyurt 08/05/2024

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

Internal Standards						
1) Bromochloromethane	4.916	128	13743	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	95421	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	89953	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	44246	42.378	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 141.267%#			
60) 4-Bromofluorobenzene	11.079	95	46579	32.580	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 108.600%			
63) Toluene-d8	8.653	98	116820	29.686	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.967%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	104713	122.636	ug/l	98
3) Chloromethane	1.300	50	73709	88.741	ug/l	96
4) Vinyl Chloride	1.374	62	73617	89.452	ug/l	96
5) Bromomethane	1.599	94	28716	64.127	ug/l	99
6) Chloroethane	1.678	64	39574	102.302	ug/l	99
7) Trichlorofluoromethane	1.886	101	131680	119.683	ug/l	97
8) Diethyl Ether	2.142	74	51744	114.101	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	101057	118.587	ug/l	88
10) 1,1-Dichloroethene	2.319	96	85137	105.224	ug/l	97
11) Methyl Iodide	2.453	142	91830	102.369	ug/l	86
12) Methyl Acetate	2.715	43	184762	133.262	ug/l	92
13) Acrolein	2.245	56	27193	186.615	ug/l	98
14) Acrylonitrile	3.075	53	301202	596.864	ug/l	96
15) Acetone	2.392	58	96213	637.901	ug/l	94
16) Carbon Disulfide	2.514	76	185659	114.932	ug/l	99
17) Allyl chloride	2.666	41	123430	98.367	ug/l	83
18) Methylene Chloride	2.794	84	110262	116.388	ug/l	99
19) trans-1,2-Dichloroethene	3.093	96	96763	117.601	ug/l	96
20) Diisopropyl ether	3.776	45	282762	105.350	ug/l #	95
21) 1,1-Dichloroethane	3.617	63	186010	119.265	ug/l	97
22) cis-1,2-Dichloroethene	4.495	96	123975	119.315	ug/l	95
23) tert-Butyl Alcohol	2.983	59	154097	777.040	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	358566	129.398	ug/l	97
25) Chloroform	5.105	83	206184	125.519	ug/l	100
26) Cyclohexane	5.477	56	132603	104.870	ug/l #	91
29) 1,1-Dichloropropene	5.696	75	130613	103.014	ug/l	95
30) 2-Butanone	4.568	43	428910	507.132	ug/l	95
31) 2,2-Dichloropropane	4.477	77	173773	117.228	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	191943	114.034	ug/l	99
33) Carbon Tetrachloride	5.684	117	162669	111.016	ug/l	97
34) Benzene	6.043	78	403122	97.753	ug/l	99
35) Methacrylonitrile	4.934	41	85067	103.061	ug/l	92
36) 1,2-Dichloroethane	6.098	62	158509	113.606	ug/l #	94
37) Trichloroethene	7.129	130	105256	95.691	ug/l	92
38) Methylcyclohexane	7.385	83	156753	97.509	ug/l	96
39) 1,2-Dichloropropane	7.434	63	97191	95.746	ug/l	100
40) Dibromomethane	7.586	93	80139	106.647	ug/l	82
41) Bromodichloromethane	7.824	83	161978	112.967	ug/l	99
42) Vinyl Acetate	3.733	43	1250348	467.883	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	142579	96.164	ug/l	98
44) Isopropyl Acetate	6.348	43	236730	100.820	ug/l	100
45) 1,4-Dioxane	7.665	88	56678	2132.539	ug/l	97
46) Methyl methacrylate	7.696	41	119391	104.561	ug/l	92
47) n-amyl Acetate	10.841	43	200117	96.809	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	162742	115.381	ug/l	98
49) cis-1,3-Dichloropropene	8.372	75	169543	108.258	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	107992	99.227	ug/l	99
51) Ethyl methacrylate	9.122	69	176978	103.551	ug/l	92
52) 1,3-Dichloropropane	9.311	76	176737	99.858	ug/l	99
53) Dibromochloromethane	9.525	129	128259	107.334	ug/l	99
54) 1,2-Dibromoethane	9.610	107	112217	99.157	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	399851	485.363	ug/l	98
56) Bromoform	10.799	173	87661	92.897	ug/l #	98
58) 4-Methyl-2-Pentanone	8.580	43	780535	483.429	ug/l	97
59) 2-Hexanone	9.433	43	614151	484.442	ug/l	99
61) Tetrachloroethene	9.275	164	89807	82.778	ug/l #	86
62) Toluene	8.720	91	433919	95.193	ug/l	99
64) Chlorobenzene	10.079	112	294954	95.393	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	107852	97.187	ug/l	99
66) Ethyl Benzene	10.195	91	506361	100.836	ug/l	97
67) m/p-Xylenes	10.305	106	390325	194.889	ug/l	95
68) o-Xylene	10.640	106	191486	95.973	ug/l	93
69) Styrene	10.659	104	331717	99.239	ug/l	94
70) Isopropylbenzene	10.963	105	499238	98.468	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	164878	94.268	ug/l	100
72) 1,2,3-Trichloropropane	11.244	75	139373m	99.979	ug/l	
73) Bromobenzene	11.201	156	121165	86.502	ug/l	86
74) n-propylbenzene	11.305	91	580897	102.678	ug/l	97
75) 2-Chlorotoluene	11.366	91	358261	100.650	ug/l	94
76) 1,3,5-Trimethylbenzene	11.451	105	422944	99.424	ug/l	94
77) t-1,4-Dichloro-2-butene	11.018	75	57784	111.831	ug/l	97
78) 4-Chlorotoluene	11.457	91	410152	103.232	ug/l	94
79) tert-butylbenzene	11.713	119	435069	96.940	ug/l	91
80) 1,2,4-Trimethylbenzene	11.750	105	431107	101.008	ug/l	94
81) sec-Butylbenzene	11.890	105	536736	100.327	ug/l	97
82) p-Isopropyltoluene	12.012	119	457061	98.974	ug/l	94
83) 1,3-Dichlorobenzene	11.969	146	229645	89.861	ug/l	96
84) 1,4-Dichlorobenzene	12.042	146	229725	90.339	ug/l	96
85) n-Butylbenzene	12.335	91	403414	109.004	ug/l	97
86) Hexachloroethane	12.542	117	82795	104.258	ug/l	71
87) 1,2-Dichlorobenzene	12.335	146	223243	86.819	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	46635	124.573	ug/l #	67
89) 1,2,4-Trichlorobenzene	13.585	180	146887	85.441	ug/l	96
90) Hexachlorobutadiene	13.725	225	57992	70.452	ug/l	96
91) Naphthalene	13.774	128	537202	101.735	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	147348	83.757	ug/l	97

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

