

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042624\
 Data File : VN081895.D
 Acq On : 27 Apr 2024 01:10
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: May 14 11:14:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:13:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/29/2024
 Supervised By : Semsettin Yesilyurt 05/14/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	45019	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	263075	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	237419	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	113562	33.571	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 111.900%#			
60) 4-Bromofluorobenzene	12.847	95	118054	32.525	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 108.433%			
63) Toluene-d8	10.565	98	327785	30.765	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.533%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	249012	81.349	ug/l	99
3) Chloromethane	2.359	50	286115	93.011	ug/l	98
4) Vinyl Chloride	2.512	62	274858	74.942	ug/l	95
5) Bromomethane	2.947	94	126609	51.394	ug/l	95
6) Chloroethane	3.112	64	155893	65.205	ug/l	95
7) Trichlorofluoromethane	3.494	101	406544	84.177	ug/l	94
8) Diethyl Ether	3.959	74	191665	112.911	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	265808	101.407	ug/l	92
10) 1,1-Dichloroethene	4.341	96	259973	101.195	ug/l	84
11) Methyl Iodide	4.589	142	280447	101.928	ug/l	84
12) Methyl Acetate	5.018	43	345438m	148.384	ug/l	
13) Acrolein	4.177	56	355483	700.198	ug/l	98
14) Acrylonitrile	5.712	53	774489	669.957	ug/l	99
15) Acetone	4.418	58	176936	665.323	ug/l	84
16) Carbon Disulfide	4.712	76	715785	101.522	ug/l	97
17) Allyl chloride	5.024	41	472668	146.496	ug/l	90
18) Methylene Chloride	5.277	84	301124	102.566	ug/l #	83
19) trans-1,2-Dichloroethene	5.788	96	273108	93.643	ug/l	99
20) Diisopropyl ether	6.665	45	1061979	136.944	ug/l	94
21) 1,1-Dichloroethane	6.571	63	557291	112.136	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	340600	100.509	ug/l	94
23) tert-Butyl Alcohol	5.518	59	314401	746.562	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	975819	114.576	ug/l #	87
25) Chloroform	7.965	83	540941	98.111	ug/l	96
26) Cyclohexane	8.253	56	501512	134.014	ug/l #	85
29) 1,1-Dichloropropene	8.371	75	386598	98.655	ug/l	98
30) 2-Butanone	7.482	43	999404	695.118	ug/l	95
31) 2,2-Dichloropropane	7.494	77	406517	91.113	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	455882	92.479	ug/l	95
33) Carbon Tetrachloride	8.359	117	368531	88.730	ug/l	93
34) Benzene	8.606	78	1243942	103.878	ug/l	98
35) Methacrylonitrile	7.777	41	261250	154.595	ug/l	92
36) 1,2-Dichloroethane	8.671	62	416597	103.660	ug/l	97
37) Trichloroethene	9.353	130	286684	90.044	ug/l	96
38) Methylcyclohexane	9.600	83	483336	123.592	ug/l	95
39) 1,2-Dichloropropane	9.623	63	320066	112.683	ug/l	95
40) Dibromomethane	9.706	93	203103	93.986	ug/l	91
41) Bromodichloromethane	9.888	83	442796	104.697	ug/l #	99
42) Vinyl Acetate	6.606	43	4327560	703.682	ug/l	95

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43) Ethyl Acetate	7.559	43	442317	147.704	ug/l	97
44) Isopropyl Acetate	8.688	43	776967	144.400	ug/l	90
45) 1,4-Dioxane	9.694	88	120682	2364.892	ug/l #	92
46) Methyl methacrylate	9.682	41	363807	147.769	ug/l	81
47) n-amyl Acetate	12.494	43	734670m	156.562	ug/l	
48) t-1,3-Dichloropropene	10.835	75	482170	108.779	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	516066	107.447	ug/l #	85
50) 1,1,2-Trichloroethane	11.018	97	279639	93.521	ug/l	95
51) Ethyl methacrylate	10.876	69	538071	128.753	ug/l	76
52) 1,3-Dichloropropane	11.165	76	514233	104.144	ug/l	99
53) Dibromochloromethane	11.359	129	307633	94.394	ug/l	99
54) 1,2-Dibromoethane	11.470	107	280910	90.808	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	1303945	608.861	ug/l	96
56) Bromoform	12.576	173	189709	91.399	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	2249876	729.921	ug/l #	87
59) 2-Hexanone	11.194	43	1675268	738.956	ug/l #	88
61) Tetrachloroethene	11.106	164	253729	93.558	ug/l	96
62) Toluene	10.629	91	1284132	98.738	ug/l	100
64) Chlorobenzene	11.894	112	798933	100.300	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	257910	87.289	ug/l	95
66) Ethyl Benzene	11.965	91	1431353	104.673	ug/l	99
67) m/p-Xylenes	12.070	106	1055032	196.463	ug/l	99
68) o-Xylene	12.400	106	520718	98.945	ug/l	100
69) Styrene	12.412	104	884303	102.066	ug/l	98
70) Isopropylbenzene	12.694	105	1342698	104.690	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	376454	95.189	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	307361m	99.281	ug/l	
73) Bromobenzene	12.982	156	279506	87.636	ug/l	83
74) n-propylbenzene	13.035	91	1620676	111.188	ug/l	100
75) 2-Chlorotoluene	13.129	91	974730	107.722	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	1094557	104.304	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	163488	139.548	ug/l	96
78) 4-Chlorotoluene	13.223	91	968395	106.854	ug/l	99
79) tert-butylbenzene	13.441	119	929427	106.693	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	1090823	104.327	ug/l	98
81) sec-Butylbenzene	13.617	105	1340737	109.906	ug/l	99
82) p-Isopropyltoluene	13.729	119	1059075	103.412	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	501459	87.417	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	525245	91.220	ug/l	98
85) n-Butylbenzene	14.059	91	996755	117.958	ug/l	98
86) Hexachloroethane	14.335	117	212288	131.415	ug/l	83
87) 1,2-Dichlorobenzene	14.106	146	504416	90.317	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	87599	122.718	ug/l	89
89) 1,2,4-Trichlorobenzene	15.841	180	285798	104.603	ug/l	100
90) Hexachlorobutadiene	15.500	225	101152	84.384	ug/l	99
91) Naphthalene	15.641	128	1096421	113.017	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	285798	104.603	ug/l	100

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

