

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080667.D
 Acq On : 11 Jan 2024 10:29
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 12 04:39:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 04:36:53 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/12/2024
 Supervised By : Semsettin Yesilyurt 01/12/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	15422	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	124465	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	143101	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71458	28.693	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.633%		
60) 4-Bromofluorobenzene	12.853	95	92754	29.301	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.667%		
63) Toluene-d8	10.571	98	183633	29.240	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.467%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	289224	110.344	ug/l	98
3) Chloromethane	2.360	50	365234	102.294	ug/l	99
4) Vinyl Chloride	2.512	62	280579	103.304	ug/l	99
5) Bromomethane	2.948	94	98875	99.144	ug/l	98
6) Chloroethane	3.118	64	150355	102.396	ug/l	97
7) Trichlorofluoromethane	3.495	101	436709	107.627	ug/l	95
8) Diethyl Ether	3.959	74	201090	112.717	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.371	101	243994	104.350	ug/l	88
10) 1,1-Dichloroethene	4.336	96	263164	104.566	ug/l	# 79
11) Methyl Iodide	4.583	142	230498	107.599	ug/l	90
12) Methyl Acetate	5.012	43	308858	103.940	ug/l	# 77
13) Acrolein	4.171	56	187506	473.575	ug/l	99
14) Acrylonitrile	5.712	53	690243	515.480	ug/l	99
15) Acetone	4.418	58	151814	500.004	ug/l	# 70
16) Carbon Disulfide	4.712	76	778723	100.081	ug/l	97
17) Allyl chloride	5.018	41	527563	102.925	ug/l	87
18) Methylene Chloride	5.277	84	294741	100.986	ug/l	# 80
19) trans-1,2-Dichloroethene	5.783	96	274399	103.912	ug/l	91
20) Diisopropyl ether	6.665	45	1090953	105.810	ug/l	92
21) 1,1-Dichloroethane	6.565	63	592428	105.734	ug/l	95
22) cis-1,2-Dichloroethene	7.489	96	322757	104.433	ug/l	# 83
23) tert-Butyl Alcohol	5.506	59	236688	512.404	ug/l	# 100
24) Methyl tert-Butyl Ether	5.789	73	981060m	108.015	ug/l	
25) Chloroform	7.965	83	549136	105.267	ug/l	95
26) Cyclohexane	8.253	56	463723	105.247	ug/l	# 89
29) 1,1-Dichloropropene	8.371	75	420425	111.121	ug/l	96
30) 2-Butanone	7.477	43	920152	549.605	ug/l	91
31) 2,2-Dichloropropane	7.489	77	514268	113.146	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	475488	114.213	ug/l	# 94
33) Carbon Tetrachloride	8.359	117	379659	115.469	ug/l	95
34) Benzene	8.606	78	1226495	109.291	ug/l	97
35) Methacrylonitrile	7.777	41	235464	112.081	ug/l	89
36) 1,2-Dichloroethane	8.671	62	478560	115.974	ug/l	# 93
37) Trichloroethene	9.353	130	270418	110.489	ug/l	87
38) Methylcyclohexane	9.600	83	406135	110.185	ug/l	91
39) 1,2-Dichloropropane	9.618	63	338184	111.805	ug/l	99
40) Dibromomethane	9.706	93	199313	110.746	ug/l	87
41) Bromodichloromethane	9.888	83	447815	113.704	ug/l	99
42) Vinyl Acetate	6.600	43	4262783m	547.820	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	397680	113.119	ug/l	99
44) Isopropyl Acetate	8.688	43	754546	112.435	ug/l	90
45) 1,4-Dioxane	9.688	88	78144	2047.400	ug/l #	87
46) Methyl methacrylate	9.677	41	352897	111.673	ug/l	77
47) n-amyl Acetate	12.494	43	660757m	109.814	ug/l	
48) t-1,3-Dichloropropene	10.835	75	532905	114.836	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	553011	112.275	ug/l #	77
50) 1,1,2-Trichloroethane	11.018	97	268965	108.821	ug/l	95
51) Ethyl methacrylate	10.877	69	474882	111.145	ug/l	71
52) 1,3-Dichloropropane	11.165	76	514507	110.575	ug/l	97
53) Dibromochloromethane	11.359	129	282516	114.226	ug/l	100
54) 1,2-Dibromoethane	11.471	107	268894	110.675	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	1101759	501.690	ug/l	94
56) Bromoform	12.576	173	169884	116.276	ug/l	96
58) 4-Methyl-2-Pentanone	10.447	43	1974512	524.521	ug/l #	85
59) 2-Hexanone	11.194	43	1487473	529.232	ug/l #	85
61) Tetrachloroethene	11.106	164	204840	107.534	ug/l	97
62) Toluene	10.630	91	1222819	106.242	ug/l	100
64) Chlorobenzene	11.894	112	686772	107.129	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	239185	103.843	ug/l	94
66) Ethyl Benzene	11.965	91	1305776	107.865	ug/l	97
67) m/p-Xylenes	12.071	106	922277	211.969	ug/l	91
68) o-Xylene	12.400	106	460385	106.097	ug/l	93
69) Styrene	12.412	104	768536	105.422	ug/l	94
70) Isopropylbenzene	12.694	105	1147801	108.229	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	361875	104.539	ug/l	96
72) 1,2,3-Trichloropropane	12.994	75	332761m	97.841	ug/l	
73) Bromobenzene	12.982	156	242581	107.311	ug/l	74
74) n-propylbenzene	13.035	91	1407981	110.083	ug/l	96
75) 2-Chlorotoluene	13.124	91	880119	109.421	ug/l	96
76) 1,3,5-Trimethylbenzene	13.171	105	951280	107.770	ug/l	96
77) t-1,4-Dichloro-2-butene	12.735	75	150791	112.114	ug/l	88
78) 4-Chlorotoluene	13.224	91	881662	109.658	ug/l	95
79) tert-butylbenzene	13.441	119	741934	107.684	ug/l	91
80) 1,2,4-Trimethylbenzene	13.482	105	926333	107.266	ug/l	98
81) sec-Butylbenzene	13.618	105	1097174	108.174	ug/l	96
82) p-Isopropyltoluene	13.729	119	853923	110.399	ug/l	95
83) 1,3-Dichlorobenzene	13.735	146	415324	105.904	ug/l	96
84) 1,4-Dichlorobenzene	13.812	146	431345	109.236	ug/l	98
85) n-Butylbenzene	14.059	91	860784	112.633	ug/l	97
86) Hexachloroethane	14.335	117	161431	110.985	ug/l	79
87) 1,2-Dichlorobenzene	14.106	146	415566	108.022	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	77008	106.848	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.841	180	209500	108.574	ug/l	98
90) Hexachlorobutadiene	15.506	225	92700	104.857	ug/l	99
91) Naphthalene	15.641	128	814171	108.235	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	209500	108.574	ug/l	98

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

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