

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080669.D
 Acq On : 11 Jan 2024 11:16
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 12 04:40:46 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

01/12/2024
 Supervised By :Semsettin
 Yesilyurt

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Y
-----							0
Internal Standards							
1) Bromochloromethane	7.818	128	14265	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	9.100	114	129038	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.865	117	148158	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	75530	32.788	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.300%	
60) 4-Bromofluorobenzene	12.847	95	96985	29.591	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.633%	
63) Toluene-d8	10.565	98	193656	29.783	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.267%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	48411	19.968	ug/l		96
3) Chloromethane	2.360	50	63703	19.289	ug/l		100
4) Vinyl Chloride	2.512	62	49477	19.694	ug/l	#	89
5) Bromomethane	2.965	94	18489	20.043	ug/l		92
6) Chloroethane	3.130	64	27482	20.234	ug/l		97
7) Trichlorofluoromethane	3.501	101	74771	19.922	ug/l		99
8) Diethyl Ether	3.959	74	35620	21.585	ug/l		72
9) 1,1,2-Trichlorotrifluo...	4.377	101	43808	20.255	ug/l		77
10) 1,1-Dichloroethene	4.342	96	47014	20.196	ug/l		91
11) Methyl Iodide	4.583	142	39274	19.820	ug/l		91
12) Methyl Acetate	5.018	43	55478	20.184	ug/l		89
13) Acrolein	4.171	56	35803	97.760	ug/l		91
14) Acrylonitrile	5.718	53	125284	101.152	ug/l		98
15) Acetone	4.430	58	29254m	104.164	ug/l		
16) Carbon Disulfide	4.706	76	144903	20.133	ug/l		97
17) Allyl chloride	5.024	41	93676	19.758	ug/l		80
18) Methylene Chloride	5.271	84	55246	20.464	ug/l		89
19) trans-1,2-Dichloroethene	5.783	96	51135	20.935	ug/l		94
20) Diisopropyl ether	6.671	45	193638	20.304	ug/l		95
21) 1,1-Dichloroethane	6.565	63	107654	20.772	ug/l		95
22) cis-1,2-Dichloroethene	7.489	96	57709	20.187	ug/l	#	84
23) tert-Butyl Alcohol	5.500	59	44534m	104.231	ug/l		
24) Methyl tert-Butyl Ether	5.795	73	174194	20.734	ug/l		95
25) Chloroform	7.965	83	96871	20.076	ug/l		99
26) Cyclohexane	8.253	56	82283	20.190	ug/l		92
29) 1,1-Dichloropropene	8.371	75	73717	18.793	ug/l		97
30) 2-Butanone	7.477	43	173398	99.900	ug/l		92
31) 2,2-Dichloropropane	7.494	77	89369	18.966	ug/l		95
32) 1,1,1-Trichloroethane	8.165	97	80487	18.648	ug/l	#	92
33) Carbon Tetrachloride	8.359	117	63646	18.671	ug/l		96
34) Benzene	8.606	78	223998	19.253	ug/l		96
35) Methacrylonitrile	7.777	41	42775	19.639	ug/l		89
36) 1,2-Dichloroethane	8.671	62	82286	19.234	ug/l	#	93
37) Trichloroethene	9.353	130	47035	18.537	ug/l		85
38) Methylcyclohexane	9.600	83	72899	19.077	ug/l		91
39) 1,2-Dichloropropane	9.624	63	59143	18.860	ug/l		99
40) Dibromomethane	9.706	93	36048	19.320	ug/l		86
41) Bromodichloromethane	9.888	83	78108	19.129	ug/l		96
42) Vinyl Acetate	6.600	43	792135	98.191	ug/l	#	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.553	43	77083	21.149	ug/l	99	01/12/2024
44) Isopropyl Acetate	8.688	43	133937	19.251	ug/l	92	
45) 1,4-Dioxane	9.694	88	17054	430.986	ug/l #	87	
46) Methyl methacrylate	9.677	41	63206	19.293	ug/l	78	
47) n-amyl Acetate	12.494	43	121601m	19.493	ug/l		
48) t-1,3-Dichloropropene	10.835	75	91373	18.992	ug/l	99	
49) cis-1,3-Dichloropropene	10.312	75	96778	18.952	ug/l #	78	
50) 1,1,2-Trichloroethane	11.018	97	50351	19.650	ug/l	93	
51) Ethyl methacrylate	10.877	69	85871	19.386	ug/l	75	
52) 1,3-Dichloropropane	11.165	76	94918	19.676	ug/l	97	
53) Dibromochloromethane	11.359	129	50108	19.541	ug/l	96	
54) 1,2-Dibromoethane	11.471	107	48540	19.271	ug/l	100	
55) 2-Chloroethyl vinyl ether	10.159	63	231731	101.780	ug/l	95	
56) Bromoform	12.582	173	28764	18.990	ug/l	98	
58) 4-Methyl-2-Pentanone	10.447	43	375373	96.313	ug/l #	85	
59) 2-Hexanone	11.194	43	276154	94.900	ug/l	87	
61) Tetrachloroethene	11.106	164	36871	18.695	ug/l	96	
62) Toluene	10.630	91	221037	18.549	ug/l	98	
64) Chlorobenzene	11.888	112	122962	18.526	ug/l	91	
65) 1,1,1,2-Tetrachloroethane	11.965	131	43304	18.159	ug/l	95	
66) Ethyl Benzene	11.965	91	230430	18.385	ug/l	95	
67) m/p-Xylenes	12.071	106	170261	37.796	ug/l	98	
68) o-Xylene	12.400	106	82357	18.332	ug/l	91	
69) Styrene	12.412	104	141317	18.723	ug/l	96	
70) Isopropylbenzene	12.694	105	205683	18.732	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	12.935	83	68396	19.084	ug/l	97	
72) 1,2,3-Trichloropropane	12.994	75	67532m	19.179	ug/l		
73) Bromobenzene	12.982	156	43885	18.751	ug/l	73	
74) n-propylbenzene	13.035	91	246455	18.611	ug/l	96	
75) 2-Chlorotoluene	13.124	91	151095	18.144	ug/l	98	
76) 1,3,5-Trimethylbenzene	13.171	105	167787	18.360	ug/l	97	
77) t-1,4-Dichloro-2-butene	12.741	75	25647	18.418	ug/l	95	
78) 4-Chlorotoluene	13.224	91	149076	17.909	ug/l	97	
79) tert-butylbenzene	13.441	119	132422	18.564	ug/l	94	
80) 1,2,4-Trimethylbenzene	13.482	105	172195	19.259	ug/l	98	
81) sec-Butylbenzene	13.618	105	192554	18.337	ug/l	98	
82) p-Isopropyltoluene	13.729	119	150120	18.746	ug/l	96	
83) 1,3-Dichlorobenzene	13.735	146	75959	18.708	ug/l	96	
84) 1,4-Dichlorobenzene	13.812	146	75906	18.567	ug/l	99	
85) n-Butylbenzene	14.059	91	142849	18.054	ug/l	96	
86) Hexachloroethane	14.335	117	24907	16.539	ug/l	80	
87) 1,2-Dichlorobenzene	14.106	146	74168	18.621	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.718	75	14725	19.733	ug/l #	76	
89) 1,2,4-Trichlorobenzene	15.847	180	38064	19.053	ug/l	97	
90) Hexachlorobutadiene	15.500	225	16224	17.725	ug/l	94	
91) Naphthalene	15.641	128	150444	19.317	ug/l #	93	
92) 1,2,3-Trichlorobenzene	15.847	180	38064	19.053	ug/l	97	

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

