

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084322.D
 Acq On : 04 Oct 2024 18:20
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 04 23:02:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	30830	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	165361	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	150724	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	75674	26.853	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.500%#
60) 4-Bromofluorobenzene	12.847	95	76834	29.578	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.600%
63) Toluene-d8	10.565	98	215391	30.862	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.867%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	32992	15.980	ug/l	98
3) Chloromethane	2.359	50	38852	18.111	ug/l	97
4) Vinyl Chloride	2.512	62	39067	17.715	ug/l	97
5) Bromomethane	2.954	94	23928	19.420	ug/l	90
6) Chloroethane	3.112	64	26162	17.716	ug/l	91
7) Trichlorofluoromethane	3.495	101	65220	17.640	ug/l	99
8) Diethyl Ether	3.959	74	22264	17.722	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.371	101	37889	19.078	ug/l	81
10) 1,1-Dichloroethene	4.348	96	34233	17.866	ug/l	96
11) Methyl Iodide	4.583	142	44637	17.150	ug/l	87
12) Methyl Acetate	5.036	43	50297m	21.765	ug/l	
13) Acrolein	4.177	56	31917	94.639	ug/l	98
14) Acrylonitrile	5.718	53	91175	97.495	ug/l	98
15) Acetone	4.430	58	28575	92.113	ug/l	85
16) Carbon Disulfide	4.712	76	90723	16.753	ug/l	100
17) Allyl chloride	5.024	41	55721	16.583	ug/l	88
18) Methylene Chloride	5.271	84	39999	19.080	ug/l #	89
19) trans-1,2-Dichloroethene	5.789	96	35562	17.907	ug/l	92
20) Diisopropyl ether	6.671	45	128261	18.901	ug/l	97
21) 1,1-Dichloroethane	6.571	63	75398	19.461	ug/l	94
22) cis-1,2-Dichloroethene	7.483	96	44281	18.320	ug/l	94
23) tert-Butyl Alcohol	5.518	59	27103	78.979	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	117748	17.292	ug/l #	92
25) Chloroform	7.959	83	77705	18.925	ug/l	99
26) Cyclohexane	8.259	56	56710	16.619	ug/l #	84
29) 1,1-Dichloropropene	8.371	75	50535	19.267	ug/l	97
30) 2-Butanone	7.483	43	122041	98.708	ug/l	94
31) 2,2-Dichloropropane	7.489	77	60828m	18.190	ug/l	
32) 1,1,1-Trichloroethane	8.165	97	68225	19.477	ug/l	98
33) Carbon Tetrachloride	8.365	117	58648	19.334	ug/l	96
34) Benzene	8.606	78	162570	20.658	ug/l	98
35) Methacrylonitrile	7.777	41	28732	20.672	ug/l	93
36) 1,2-Dichloroethane	8.671	62	56594	19.129	ug/l	97
37) Trichloroethene	9.353	130	37253	20.158	ug/l	100
38) Methylcyclohexane	9.600	83	52559	16.738	ug/l	95
39) 1,2-Dichloropropane	9.618	63	41056	21.676	ug/l	97
40) Dibromomethane	9.706	93	27987	20.209	ug/l	96
41) Bromodichloromethane	9.888	83	60788	20.641	ug/l	99
42) Vinyl Acetate	6.606	43	441161	86.785	ug/l	97

10/07/2024
 Supervised By :Mahesh
 adoda

10/07/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	45231	18.176	ug/l	#	93
44) Isopropyl Acetate	8.688	43	85686	19.907	ug/l		94
45) 1,4-Dioxane	9.700	88	9894	294.715	ug/l	#	83
46) Methyl methacrylate	9.677	41	39595	19.005	ug/l		81
47) n-amyl Acetate	12.494	43	76104	19.961	ug/l		93
48) t-1,3-Dichloropropene	10.835	75	57423	18.537	ug/l		93
49) cis-1,3-Dichloropropene	10.312	75	61522	19.097	ug/l	#	86
50) 1,1,2-Trichloroethane	11.018	97	37480	21.269	ug/l		97
51) Ethyl methacrylate	10.871	69	57320	19.039	ug/l		86
52) 1,3-Dichloropropane	11.159	76	64780	20.356	ug/l		98
53) Dibromochloromethane	11.359	129	44708	21.152	ug/l		97
54) 1,2-Dibromoethane	11.471	107	38661	21.207	ug/l		96
55) 2-Chloroethyl vinyl ether	10.159	63	113919	94.945	ug/l		98
56) Bromoform	12.576	173	27800	20.702	ug/l		99
58) 4-Methyl-2-Pentanone	10.447	43	259080	108.406	ug/l	#	88
59) 2-Hexanone	11.194	43	183775m	101.767	ug/l		
61) Tetrachloroethene	11.106	164	33001	20.688	ug/l		96
62) Toluene	10.630	91	172195	19.876	ug/l		100
64) Chlorobenzene	11.888	112	107212	19.988	ug/l		95
65) 1,1,1,2-Tetrachloroethane	11.965	131	38127	20.405	ug/l		96
66) Ethyl Benzene	11.965	91	183610	18.637	ug/l		99
67) m/p-Xylenes	12.071	106	139585	38.510	ug/l		96
68) o-Xylene	12.400	106	68025	19.391	ug/l		98
69) Styrene	12.412	104	115337	19.458	ug/l		99
70) Isopropylbenzene	12.694	105	171780	18.556	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.935	83	53854	21.299	ug/l		97
72) 1,2,3-Trichloropropane	12.994	75	45465m	20.509	ug/l		
73) Bromobenzene	12.982	156	43090	20.265	ug/l		97
74) n-propylbenzene	13.035	91	208160	19.208	ug/l		99
75) 2-Chlorotoluene	13.123	91	130906	19.354	ug/l		99
76) 1,3,5-Trimethylbenzene	13.171	105	148196	19.164	ug/l		100
77) t-1,4-Dichloro-2-butene	12.735	75	17867	19.068	ug/l		83
78) 4-Chlorotoluene	13.218	91	132112	19.260	ug/l		100
79) tert-butylbenzene	13.435	119	125207	18.516	ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	149613	19.145	ug/l		99
81) sec-Butylbenzene	13.612	105	172940	18.721	ug/l		100
82) p-Isopropyltoluene	13.729	119	143718	18.491	ug/l		98
83) 1,3-Dichlorobenzene	13.729	146	80256	19.611	ug/l		97
84) 1,4-Dichlorobenzene	13.812	146	78190	19.110	ug/l		98
85) n-Butylbenzene	14.059	91	122316	17.834	ug/l		98
86) Hexachloroethane	14.329	117	27968	18.989	ug/l		91
87) 1,2-Dichlorobenzene	14.106	146	77514	19.516	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9742	17.532	ug/l		93
89) 1,2,4-Trichlorobenzene	15.841	180	36097	16.589	ug/l		100
90) Hexachlorobutadiene	15.494	225	17781	19.743	ug/l		98
91) Naphthalene	15.641	128	107465	15.107	ug/l		100
92) 1,2,3-Trichlorobenzene	15.841	180	36097	16.589	ug/l		100

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

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