

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085124.D
 Acq On : 06 Dec 2024 13:42
 Operator : JC\MD
 Sample : VN1206WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Quant Time: Dec 06 23:07:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	33289	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	183983	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	166391	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	79582	30.129	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.433%			
60) 4-Bromofluorobenzene	12.847	95	82491	29.963	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.867%			
63) Toluene-d8	10.565	98	231760	29.693	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.967%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	54416	20.432	ug/l	97
3) Chloromethane	2.359	50	48488	20.569	ug/l	96
4) Vinyl Chloride	2.512	62	47272	19.606	ug/l	98
5) Bromomethane	2.965	94	32409	21.171	ug/l	97
6) Chloroethane	3.130	64	29368	19.825	ug/l	94
7) Trichlorofluoromethane	3.501	101	80648	20.434	ug/l	98
8) Diethyl Ether	3.959	74	25855	20.682	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	44318	20.080	ug/l #	28
10) 1,1-Dichloroethene	4.348	96	40102	19.781	ug/l	95
11) Methyl Iodide	4.589	142	56326	20.033	ug/l	98
12) Methyl Acetate	5.024	43	47778	19.977	ug/l	98
13) Acrolein	4.177	56	30290	87.151	ug/l	93
14) Acrylonitrile	5.718	53	100066	100.763	ug/l	95
15) Acetone	4.424	58	28962	107.619	ug/l	93
16) Carbon Disulfide	4.712	76	121752	20.092	ug/l	99
17) Allyl chloride	5.024	41	57980	19.987	ug/l	95
18) Methylene Chloride	5.277	84	45038	19.579	ug/l	94
19) trans-1,2-Dichloroethene	5.783	96	42080	19.970	ug/l	93
20) Diisopropyl ether	6.665	45	125999	19.792	ug/l	97
21) 1,1-Dichloroethane	6.565	63	77910	19.828	ug/l #	98
22) cis-1,2-Dichloroethene	7.488	96	48623	20.075	ug/l	99
23) tert-Butyl Alcohol	5.518	59	35356	99.243	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	127980	20.206	ug/l #	76
25) Chloroform	7.959	83	82942	20.149	ug/l	99
26) Cyclohexane	8.253	56	66153	20.447	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	56960	19.186	ug/l	99
30) 2-Butanone	7.483	43	134385	98.639	ug/l	99
31) 2,2-Dichloropropane	7.483	77	73545	19.318	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	75687	18.835	ug/l	98
33) Carbon Tetrachloride	8.359	117	67084	18.501	ug/l	94
34) Benzene	8.606	78	177489	19.031	ug/l	97
35) Methacrylonitrile	7.777	41	28690	18.713	ug/l	92
36) 1,2-Dichloroethane	8.671	62	59405	18.711	ug/l	100
37) Trichloroethene	9.347	130	43800	19.721	ug/l	92
38) Methylcyclohexane	9.600	83	62426	19.339	ug/l	96
39) 1,2-Dichloropropane	9.618	63	42928	19.003	ug/l	89
40) Dibromomethane	9.706	93	29958	18.488	ug/l	99
41) Bromodichloromethane	9.882	83	64561	18.638	ug/l	94
42) Vinyl Acetate	6.600	43	478732	100.419	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	50596	18.665	ug/l	# 89
44) Isopropyl Acetate	8.683	43	87514	18.577	ug/l	99
45) 1,4-Dioxane	9.694	88	15690	399.406	ug/l	98
46) Methyl methacrylate	9.682	41	40003	18.555	ug/l	97
47) n-amyl Acetate	12.488	43	76887	19.399	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	64697	19.026	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	69368	18.739	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	40356	18.482	ug/l	93
51) Ethyl methacrylate	10.871	69	62292	18.757	ug/l	99
52) 1,3-Dichloropropane	11.159	76	68737	18.811	ug/l	98
53) Dibromochloromethane	11.359	129	48861	18.363	ug/l	96
54) 1,2-Dibromoethane	11.465	107	41071	18.669	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	128583	83.348	ug/l	100
56) Bromoform	12.576	173	32347	18.131	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	264893	97.546	ug/l	98
59) 2-Hexanone	11.194	43	202414	98.374	ug/l	98
61) Tetrachloroethene	11.100	164	39208	19.458	ug/l	95
62) Toluene	10.629	91	188041	19.378	ug/l	99
64) Chlorobenzene	11.888	112	115417	19.264	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	42822	19.146	ug/l	98
66) Ethyl Benzene	11.959	91	199427	19.367	ug/l	97
67) m/p-Xylenes	12.071	106	158491	40.018	ug/l	99
68) o-Xylene	12.394	106	76155	20.475	ug/l	95
69) Styrene	12.406	104	128312	20.330	ug/l	98
70) Isopropylbenzene	12.694	105	190502	19.858	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	56710	19.421	ug/l	96
72) 1,2,3-Trichloropropane	12.988	75	60060m	20.822	ug/l	
73) Bromobenzene	12.976	156	46666	19.420	ug/l	98
74) n-propylbenzene	13.035	91	227408	19.718	ug/l	100
75) 2-Chlorotoluene	13.123	91	140821	19.748	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	163758	19.924	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	20835	19.878	ug/l	92
78) 4-Chlorotoluene	13.218	91	140168	19.366	ug/l	99
79) tert-butylbenzene	13.435	119	132907	19.688	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	161334	19.872	ug/l	98
81) sec-Butylbenzene	13.612	105	190216	19.833	ug/l	99
82) p-Isopropyltoluene	13.729	119	161209	20.275	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	85714	19.442	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	83924	19.533	ug/l	99
85) n-Butylbenzene	14.053	91	131766	19.756	ug/l	99
86) Hexachloroethane	14.329	117	29730	18.782	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	81646	19.620	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10972	18.809	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	41692	20.458	ug/l	98
90) Hexachlorobutadiene	15.500	225	21907	20.686	ug/l	96
91) Naphthalene	15.641	128	121693	19.220	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	41692	20.458	ug/l	98

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

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