

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085125.D
 Acq On : 06 Dec 2024 14:16
 Operator : JC\MD
 Sample : VN1206WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Dec 06 23:08:01 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

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

Internal Standards						
1) Bromochloromethane	7.812	128	30215	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	162631	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	149659	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73848	30.803	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.667%			
60) 4-Bromofluorobenzene	12.847	95	73250	29.581	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.600%			
63) Toluene-d8	10.565	98	208085	29.641	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46563	19.262	ug/l	97
3) Chloromethane	2.359	50	41445	19.370	ug/l	95
4) Vinyl Chloride	2.512	62	41044	18.755	ug/l	100
5) Bromomethane	2.965	94	29476	21.214	ug/l	96
6) Chloroethane	3.124	64	26651	19.822	ug/l	90
7) Trichlorofluoromethane	3.501	101	68485	19.118	ug/l	97
8) Diethyl Ether	3.965	74	22997	20.268	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	37793	18.865	ug/l	99
10) 1,1-Dichloroethene	4.342	96	35666	19.383	ug/l	98
11) Methyl Iodide	4.595	142	50513	19.793	ug/l	97
12) Methyl Acetate	5.018	43	45286	20.861	ug/l	93
13) Acrolein	4.183	56	31342	99.352	ug/l	93
14) Acrylonitrile	5.712	53	92305	102.404	ug/l	96
15) Acetone	4.424	58	25223	103.260	ug/l	92
16) Carbon Disulfide	4.718	76	105590	19.198	ug/l	99
17) Allyl chloride	5.024	41	52079	19.779	ug/l	90
18) Methylene Chloride	5.271	84	40895	19.587	ug/l	92
19) trans-1,2-Dichloroethene	5.783	96	36978	19.334	ug/l	89
20) Diisopropyl ether	6.665	45	120242	20.809	ug/l	96
21) 1,1-Dichloroethane	6.571	63	68704	19.264	ug/l #	94
22) cis-1,2-Dichloroethene	7.489	96	44067	20.045	ug/l	99
23) tert-Butyl Alcohol	5.524	59	34829m	107.710	ug/l	
24) Methyl tert-Butyl Ether	5.795	73	118736	20.654	ug/l #	77
25) Chloroform	7.965	83	74785	20.016	ug/l	99
26) Cyclohexane	8.259	56	57436	19.559	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	49308	18.789	ug/l	99
30) 2-Butanone	7.483	43	124141	103.083	ug/l	100
31) 2,2-Dichloropropane	7.489	77	65455	19.450	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	66383	18.689	ug/l	97
33) Carbon Tetrachloride	8.365	117	58412	18.224	ug/l	92
34) Benzene	8.606	78	158494	19.225	ug/l	98
35) Methacrylonitrile	7.771	41	26084	19.247	ug/l	92
36) 1,2-Dichloroethane	8.671	62	53784	19.164	ug/l	98
37) Trichloroethene	9.353	130	37594	19.149	ug/l	99
38) Methylcyclohexane	9.600	83	52495	18.397	ug/l	96
39) 1,2-Dichloropropane	9.618	63	38006	19.033	ug/l	98
40) Dibromomethane	9.700	93	27875	19.461	ug/l	98
41) Bromodichloromethane	9.888	83	58037	18.954	ug/l	94
42) Vinyl Acetate	6.600	43	432446	102.619	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	49340	20.591	ug/l	98
44) Isopropyl Acetate	8.688	43	83425	20.034	ug/l	100
45) 1,4-Dioxane	9.694	88	14561	419.331	ug/l #	80
46) Methyl methacrylate	9.677	41	37869	19.871	ug/l	96
47) n-amyl Acetate	12.494	43	70726	20.187	ug/l	97
48) t-1,3-Dichloropropene	10.829	75	58000	19.296	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	62980	19.248	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	36716	19.023	ug/l	94
51) Ethyl methacrylate	10.871	69	58063	19.779	ug/l	97
52) 1,3-Dichloropropane	11.165	76	64744	20.044	ug/l	99
53) Dibromochloromethane	11.353	129	46500	19.770	ug/l	99
54) 1,2-Dibromoethane	11.471	107	38167	19.627	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	128948	94.558	ug/l	99
56) Bromoform	12.576	173	30569	19.384	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	252790	103.497	ug/l	99
59) 2-Hexanone	11.194	43	189976	102.651	ug/l	98
61) Tetrachloroethene	11.100	164	34258	18.902	ug/l	92
62) Toluene	10.629	91	167628	19.205	ug/l	99
64) Chlorobenzene	11.888	112	104675	19.425	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	38427	19.102	ug/l	100
66) Ethyl Benzene	11.959	91	177519	19.167	ug/l	99
67) m/p-Xylenes	12.071	106	137973	38.732	ug/l	97
68) o-Xylene	12.394	106	65268	19.510	ug/l	99
69) Styrene	12.412	104	113572	20.006	ug/l	98
70) Isopropylbenzene	12.694	105	170301	19.737	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	53462	20.356	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	49365m	19.028	ug/l	
73) Bromobenzene	12.982	156	43323	20.045	ug/l	97
74) n-propylbenzene	13.035	91	196513	18.944	ug/l	99
75) 2-Chlorotoluene	13.123	91	124954	19.482	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	144321	19.523	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	18015	19.109	ug/l	90
78) 4-Chlorotoluene	13.218	91	125648	19.301	ug/l	100
79) tert-butylbenzene	13.435	119	118364	19.494	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	143920	19.709	ug/l	100
81) sec-Butylbenzene	13.612	105	167194	19.382	ug/l	98
82) p-Isopropyltoluene	13.729	119	138936	19.427	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	75975	19.160	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	75466	19.528	ug/l	99
85) n-Butylbenzene	14.053	91	110828	18.475	ug/l	99
86) Hexachloroethane	14.335	117	26669	18.732	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	73713	19.694	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10637	20.274	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	37082	20.230	ug/l	98
90) Hexachlorobutadiene	15.500	225	18313	19.226	ug/l	97
91) Naphthalene	15.641	128	110815	19.459	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	37082	20.230	ug/l	98

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

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