

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121924\
 Data File : VN085265.D
 Acq On : 19 Dec 2024 14:50
 Operator : JC\MD
 Sample : VN1219WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 17:11:47 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	30555	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	141850	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	135074	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77501	31.967	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.567%			
60) 4-Bromofluorobenzene	12.847	95	67249	30.090	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.300%			
63) Toluene-d8	10.565	98	202018	31.884	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 106.267%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	47804	19.555	ug/l	97
3) Chloromethane	2.359	50	39401	18.210	ug/l	97
4) Vinyl Chloride	2.512	62	38840	17.550	ug/l	94
5) Bromomethane	2.959	94	26087	18.566	ug/l	97
6) Chloroethane	3.118	64	27811	20.454	ug/l	94
7) Trichlorofluoromethane	3.501	101	72701	20.069	ug/l	98
8) Diethyl Ether	3.953	74	22168	19.320	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.365	101	40271	19.879	ug/l	57
10) 1,1-Dichloroethene	4.342	96	34740	18.669	ug/l #	73
11) Methyl Iodide	4.589	142	40427	15.665	ug/l	92
12) Methyl Acetate	5.030	43	52172	23.766	ug/l #	88
13) Acrolein	4.177	56	26641	83.510	ug/l	98
14) Acrylonitrile	5.712	53	96877	106.280	ug/l	98
15) Acetone	4.424	58	26212	106.115	ug/l	83
16) Carbon Disulfide	4.706	76	107345	19.300	ug/l	99
17) Allyl chloride	5.018	41	57389	21.554	ug/l	90
18) Methylene Chloride	5.271	84	42311	20.039	ug/l #	93
19) trans-1,2-Dichloroethene	5.783	96	37161m	19.213	ug/l	
20) Diisopropyl ether	6.671	45	130267	22.293	ug/l	94
21) 1,1-Dichloroethane	6.565	63	74335	20.611	ug/l #	97
22) cis-1,2-Dichloroethene	7.477	96	41984	18.885	ug/l	91
23) tert-Butyl Alcohol	5.512	59	31169	95.319	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	113212	19.474	ug/l #	70
25) Chloroform	7.959	83	77166	20.423	ug/l	98
26) Cyclohexane	8.253	56	53663	18.071	ug/l #	90
29) 1,1-Dichloropropene	8.371	75	50776	22.183	ug/l	95
30) 2-Butanone	7.483	43	131495	125.186	ug/l	95
31) 2,2-Dichloropropane	7.489	77	68649	23.388	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	68467	22.099	ug/l	95
33) Carbon Tetrachloride	8.359	117	60114	21.503	ug/l	95
34) Benzene	8.606	78	147267	20.480	ug/l #	93
35) Methacrylonitrile	7.777	41	28764	24.334	ug/l	86
36) 1,2-Dichloroethane	8.671	62	56847	23.223	ug/l	96
37) Trichloroethene	9.347	130	32358	18.897	ug/l	97
38) Methylcyclohexane	9.600	83	46526	18.694	ug/l	97
39) 1,2-Dichloropropane	9.618	63	36287	20.835	ug/l	95
40) Dibromomethane	9.700	93	26463	21.182	ug/l	96
41) Bromodichloromethane	9.888	83	56536	21.169	ug/l	98
42) Vinyl Acetate	6.600	43	478435	130.165	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	54540	26.096	ug/l	94
44) Isopropyl Acetate	8.688	43	85263	23.476	ug/l	96
45) 1,4-Dioxane	9.688	88	12883	425.360	ug/l	99
46) Methyl methacrylate	9.677	41	39956	24.038	ug/l	87
47) n-amyl Acetate	12.494	43	71756	23.482	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	53574	20.435	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	57334	20.089	ug/l #	86
50) 1,1,2-Trichloroethane	11.012	97	34667	20.593	ug/l	96
51) Ethyl methacrylate	10.871	69	51024	19.928	ug/l	90
52) 1,3-Dichloropropane	11.159	76	58504	20.766	ug/l	99
53) Dibromochloromethane	11.359	129	39704	19.353	ug/l	95
54) 1,2-Dibromoethane	11.465	107	33233	19.593	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	130367	109.604	ug/l	98
56) Bromoform	12.576	173	26196	19.045	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	263002	119.305	ug/l	94
59) 2-Hexanone	11.194	43	189734	113.591	ug/l	93
61) Tetrachloroethene	11.100	164	28927	17.684	ug/l	93
62) Toluene	10.629	91	157129	19.946	ug/l	99
64) Chlorobenzene	11.888	112	93889	19.304	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	34193	18.833	ug/l	98
66) Ethyl Benzene	11.965	91	161332	19.300	ug/l	100
67) m/p-Xylenes	12.071	106	125621	39.073	ug/l	97
68) o-Xylene	12.394	106	58026	19.218	ug/l	98
69) Styrene	12.412	104	100690	19.652	ug/l	99
70) Isopropylbenzene	12.694	105	145300	18.657	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	51787	21.847	ug/l	96
72) 1,2,3-Trichloropropane	12.988	75	47017m	20.079	ug/l	
73) Bromobenzene	12.976	156	37935	19.447	ug/l	95
74) n-propylbenzene	13.035	91	182457	19.488	ug/l	98
75) 2-Chlorotoluene	13.123	91	114880	19.845	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	131171	19.660	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	16374	19.244	ug/l	87
78) 4-Chlorotoluene	13.218	91	118387	20.149	ug/l	96
79) tert-butylbenzene	13.435	119	101675	18.553	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	131046	19.884	ug/l	98
81) sec-Butylbenzene	13.612	105	150429	19.321	ug/l	100
82) p-Isopropyltoluene	13.729	119	124425	19.277	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	71108	19.869	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	67089	19.235	ug/l	99
85) n-Butylbenzene	14.053	91	102997	19.023	ug/l	96
86) Hexachloroethane	14.329	117	25120	19.549	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	66925	19.811	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10146	21.426	ug/l	91
89) 1,2,4-Trichlorobenzene	15.835	180	30896	18.675	ug/l	96
90) Hexachlorobutadiene	15.500	225	15474	18.000	ug/l	99
91) Naphthalene	15.641	128	86651	16.859	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	30896	18.675	ug/l	96

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

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