

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
 Data File : VN085374.D
 Acq On : 02 Jan 2025 11:46
 Operator : JC\MD
 Sample : VN0102WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/03/2025
 Supervised By :Semsettin Yesilyurt 01/03/2025

Quant Time: Jan 03 00:43:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	28825	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	150375	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	140882	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	74885	29.532	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.433%	
60) 4-Bromofluorobenzene	12.847	95	65881	28.869	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	96.233%	
63) Toluene-d8	10.565	98	201810	29.336	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	97.800%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43830	18.186	ug/l	97
3) Chloromethane	2.359	50	43561	17.901	ug/l	100
4) Vinyl Chloride	2.512	62	43983	17.801	ug/l	98
5) Bromomethane	2.959	94	27832	19.268	ug/l	97
6) Chloroethane	3.124	64	28664	18.377	ug/l	96
7) Trichlorofluoromethane	3.495	101	61204	18.030	ug/l	96
8) Diethyl Ether	3.965	74	21636	18.507	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	35722	18.326	ug/l	97
10) 1,1-Dichloroethene	4.336	96	32218	18.093	ug/l	87
11) Methyl Iodide	4.589	142	40645	19.045	ug/l	93
12) Methyl Acetate	5.018	43	54269	20.407	ug/l #	89
13) Acrolein	4.177	56	28011	117.990	ug/l	97
14) Acrylonitrile	5.718	53	97259	94.560	ug/l	99
15) Acetone	4.430	58	24494	94.405	ug/l	100
16) Carbon Disulfide	4.712	76	93192	17.216	ug/l	97
17) Allyl chloride	5.012	41	49592	17.216	ug/l	91
18) Methylene Chloride	5.271	84	39098	18.425	ug/l	93
19) trans-1,2-Dichloroethene	5.783	96	33702	18.196	ug/l	91
20) Diisopropyl ether	6.671	45	121088	18.341	ug/l	96
21) 1,1-Dichloroethane	6.571	63	70509	18.269	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	40529	18.376	ug/l	98
23) tert-Butyl Alcohol	5.518	59	31596	93.211	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	108906	18.633	ug/l	99
25) Chloroform	7.965	83	71120	18.179	ug/l	95
26) Cyclohexane	8.259	56	50243	17.074	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	46936	17.977	ug/l	100
30) 2-Butanone	7.477	43	130466	94.668	ug/l #	97
31) 2,2-Dichloropropane	7.489	77	61332	18.539	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	60856	17.930	ug/l	98
33) Carbon Tetrachloride	8.359	117	54050	18.192	ug/l	95
34) Benzene	8.600	78	150116	18.190	ug/l	97
35) Methacrylonitrile	7.777	41	29327	19.223	ug/l	92
36) 1,2-Dichloroethane	8.665	62	56272	18.856	ug/l	99
37) Trichloroethene	9.347	130	33322	18.351	ug/l	84
38) Methylcyclohexane	9.600	83	43968	16.274	ug/l	97
39) 1,2-Dichloropropane	9.618	63	39840	18.974	ug/l	89
40) Dibromomethane	9.706	93	27515	18.795	ug/l	99
41) Bromodichloromethane	9.882	83	57181	18.690	ug/l	96
42) Vinyl Acetate	6.600	43	430164	88.426	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	53057	18.616	ug/l	98
44) Isopropyl Acetate	8.688	43	88418	18.675	ug/l	99
45) 1,4-Dioxane	9.694	88	13683	371.571	ug/l	95
46) Methyl methacrylate	9.682	41	40144	18.267	ug/l	95
47) n-amyl Acetate	12.494	43	70942	17.589	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	53939	17.849	ug/l	95
49) cis-1,3-Dichloropropene	10.306	75	58851	18.115	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	36274	18.947	ug/l	96
51) Ethyl methacrylate	10.871	69	51381	17.744	ug/l	96
52) 1,3-Dichloropropane	11.159	76	62769	18.782	ug/l	98
53) Dibromochloromethane	11.359	129	42092	18.763	ug/l	98
54) 1,2-Dibromoethane	11.465	107	35337	19.072	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	140721	94.342	ug/l	99
56) Bromoform	12.571	173	26113	17.843	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	274920	96.260	ug/l	99
59) 2-Hexanone	11.194	43	196346	94.634	ug/l	98
61) Tetrachloroethene	11.100	164	30525	19.409	ug/l	96
62) Toluene	10.630	91	159821	18.465	ug/l	99
64) Chlorobenzene	11.888	112	97178	18.616	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	35713	18.865	ug/l	99
66) Ethyl Benzene	11.959	91	161218	17.702	ug/l	96
67) m/p-Xylenes	12.071	106	123557	36.163	ug/l	100
68) o-Xylene	12.394	106	57898	17.791	ug/l	99
69) Styrene	12.412	104	97383	17.706	ug/l	99
70) Isopropylbenzene	12.694	105	146445	17.921	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	53484	18.453	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	49026m	19.874	ug/l	
73) Bromobenzene	12.976	156	36573	18.116	ug/l	97
74) n-propylbenzene	13.035	91	178497	17.533	ug/l	98
75) 2-Chlorotoluene	13.123	91	110458	18.011	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	121916	17.484	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17774	17.630	ug/l	95
78) 4-Chlorotoluene	13.218	91	112409	18.027	ug/l	98
79) tert-butylbenzene	13.435	119	98400	17.256	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	122987	17.720	ug/l	100
81) sec-Butylbenzene	13.612	105	142823	17.348	ug/l	100
82) p-Isopropyltoluene	13.729	119	117390	17.314	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	67151	17.835	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	65266	17.918	ug/l	98
85) n-Butylbenzene	14.053	91	97474	16.652	ug/l	100
86) Hexachloroethane	14.335	117	24404	16.766	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	64401	18.004	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9684	18.303	ug/l	91
89) 1,2,4-Trichlorobenzene	15.841	180	30152	17.793	ug/l	98
90) Hexachlorobutadiene	15.500	225	14503	17.169	ug/l	97
91) Naphthalene	15.641	128	92325	16.957	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	30152	17.793	ug/l	98

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

