

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010725\
 Data File : VN085391.D
 Acq On : 07 Jan 2025 11:07
 Operator : JC\MD
 Sample : VN0107WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/08/2025
 Supervised By : Mahesh Dadoda 01/08/2025

Quant Time: Jan 08 04:15:24 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	7.806	128	29795	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	157585	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	144288	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76495	29.185	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.267%		
60) 4-Bromofluorobenzene	12.847	95	69102	29.566	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.567%		
63) Toluene-d8	10.559	98	216343	30.706	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.367%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	45244	18.161	ug/l	98
3) Chloromethane	2.359	50	43534	17.307	ug/l	99
4) Vinyl Chloride	2.518	62	44088	17.262	ug/l	99
5) Bromomethane	2.965	94	27827	18.638	ug/l	96
6) Chloroethane	3.130	64	29507	18.301	ug/l	91
7) Trichlorofluoromethane	3.506	101	64906	18.498	ug/l	99
8) Diethyl Ether	3.959	74	20112	16.643	ug/l	99
9) 1,1,2-Trichlorotrifluoro...	4.371	101	38875	19.294	ug/l	96
10) 1,1-Dichloroethene	4.348	96	31913	17.338	ug/l	90
11) Methyl Iodide	4.595	142	38226	17.328	ug/l	91
12) Methyl Acetate	5.018	43	45806	16.664	ug/l	97
13) Acrolein	4.177	56	16364	66.685	ug/l	99
14) Acrylonitrile	5.712	53	79287	74.577	ug/l	98
15) Acetone	4.418	58	20921	78.009	ug/l	87
16) Carbon Disulfide	4.712	76	94969	16.974	ug/l	98
17) Allyl chloride	5.024	41	49889	16.755	ug/l	96
18) Methylene Chloride	5.271	84	38969	17.767	ug/l	99
19) trans-1,2-Dichloroethene	5.783	96	34831	18.194	ug/l	98
20) Diisopropyl ether	6.659	45	124483	18.242	ug/l	95
21) 1,1-Dichloroethane	6.565	63	74257	18.614	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	41242	18.091	ug/l	96
23) tert-Butyl Alcohol	5.506	59	19348	55.220	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	101495	16.800	ug/l #	77
25) Chloroform	7.959	83	74666	18.464	ug/l	97
26) Cyclohexane	8.253	56	52189	17.158	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	49602	18.129	ug/l	99
30) 2-Butanone	7.471	43	99126	68.636	ug/l	99
31) 2,2-Dichloropropane	7.483	77	64553	18.620	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	63889	17.963	ug/l	99
33) Carbon Tetrachloride	8.353	117	55829	17.931	ug/l	98
34) Benzene	8.600	78	158176	18.289	ug/l	99
35) Methacrylonitrile	7.771	41	24903	15.577	ug/l	99
36) 1,2-Dichloroethane	8.665	62	56130	17.948	ug/l	100
37) Trichloroethene	9.347	130	33759	17.741	ug/l	89
38) Methylcyclohexane	9.600	83	49652	17.537	ug/l	96
39) 1,2-Dichloropropane	9.612	63	39935	18.149	ug/l	99
40) Dibromomethane	9.706	93	27191	17.724	ug/l	98
41) Bromodichloromethane	9.882	83	57736	18.008	ug/l #	97
42) Vinyl Acetate	6.600	43	397042	77.883	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	45516m	15.240	ug/l	
44) Isopropyl Acetate	8.683	43	79009	15.924	ug/l	99
45) 1,4-Dioxane	9.682	88	9084	235.395	ug/l	94
46) Methyl methacrylate	9.671	41	33219	14.424	ug/l	98
47) n-amyl Acetate	12.488	43	59431	14.061	ug/l	99
48) t-1,3-Dichloropropene	10.829	75	53557	16.912	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	59368	17.438	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	34107	17.000	ug/l	96
51) Ethyl methacrylate	10.871	69	45299	14.928	ug/l	94
52) 1,3-Dichloropropane	11.159	76	61058	17.434	ug/l	97
53) Dibromochloromethane	11.353	129	40698	17.312	ug/l	98
54) 1,2-Dibromoethane	11.465	107	33163	17.080	ug/l	98
55) 2-Chloroethyl vinyl ether	10.153	63	112288	71.836	ug/l	98
56) Bromoform	12.570	173	23597	15.386	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	215425	73.648	ug/l	99
59) 2-Hexanone	11.188	43	146559	68.971	ug/l	99
61) Tetrachloroethene	11.100	164	32534	20.198	ug/l	93
62) Toluene	10.624	91	162770	18.362	ug/l	100
64) Chlorobenzene	11.882	112	97712	18.277	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.953	131	35685	18.405	ug/l	99
66) Ethyl Benzene	11.959	91	161981	17.366	ug/l	97
67) m/p-Xylenes	12.065	106	128248	36.650	ug/l	97
68) o-Xylene	12.394	106	58197	17.460	ug/l	99
69) Styrene	12.406	104	98012	17.400	ug/l	99
70) Isopropylbenzene	12.688	105	150813	18.020	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.929	83	47513	16.006	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	40990m	16.225	ug/l	
73) Bromobenzene	12.976	156	36615	17.709	ug/l	97
74) n-propylbenzene	13.029	91	181389	17.396	ug/l	98
75) 2-Chlorotoluene	13.123	91	112348	17.886	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	126875	17.766	ug/l	100
77) t-1,4-Dichloro-2-butene	12.729	75	14691	14.228	ug/l	94
78) 4-Chlorotoluene	13.218	91	111652	17.483	ug/l	99
79) tert-butylbenzene	13.435	119	105426	18.052	ug/l	95
80) 1,2,4-Trimethylbenzene	13.476	105	126567	17.805	ug/l	99
81) sec-Butylbenzene	13.612	105	152272	18.059	ug/l	98
82) p-Isopropyltoluene	13.723	119	124141	17.877	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	68916	17.872	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	67016	17.964	ug/l	96
85) n-Butylbenzene	14.053	91	105033	17.520	ug/l	100
86) Hexachloroethane	14.329	117	25430	17.058	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	66123	18.049	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.712	75	7707	14.222	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	28198	16.247	ug/l	98
90) Hexachlorobutadiene	15.500	225	16287	18.826	ug/l	94
91) Naphthalene	15.635	128	77301	13.862	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	28198	16.247	ug/l	98

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

