

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
 Data File : VN084621.D
 Acq On : 31 Oct 2024 15:49
 Operator : JC\MD
 Sample : VN1031WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
 Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 02:48:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	32646	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	182685	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	167999	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	79275	30.205	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.700%			
60) 4-Bromofluorobenzene	12.847	95	84456	29.197	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.333%			
63) Toluene-d8	10.565	98	233505	29.360	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.867%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38985	20.532	ug/l	95
3) Chloromethane	2.359	50	46257	20.234	ug/l	99
4) Vinyl Chloride	2.512	62	42525	20.032	ug/l	92
5) Bromomethane	2.900	94	22376	20.768	ug/l	100
6) Chloroethane	3.065	64	28556	20.488	ug/l	95
7) Trichlorofluoromethane	3.465	101	71406	20.712	ug/l	99
8) Diethyl Ether	3.953	74	25474	20.715	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.353	101	40541	20.808	ug/l	99
10) 1,1-Dichloroethene	4.324	96	39157	20.581	ug/l	95
11) Methyl Iodide	4.571	142	53170	20.333	ug/l	92
12) Methyl Acetate	5.024	43	56139	18.930	ug/l	96
13) Acrolein	4.177	56	37462	102.437	ug/l	100
14) Acrylonitrile	5.724	53	97670	100.673	ug/l	99
15) Acetone	4.430	58	27180	109.034	ug/l	85
16) Carbon Disulfide	4.700	76	113085	20.200	ug/l	99
17) Allyl chloride	5.012	41	66114	20.394	ug/l	96
18) Methylene Chloride	5.265	84	45208	20.277	ug/l	95
19) trans-1,2-Dichloroethene	5.783	96	40300	20.209	ug/l	92
20) Diisopropyl ether	6.671	45	133508	20.572	ug/l	97
21) 1,1-Dichloroethane	6.559	63	78145	20.023	ug/l	99
22) cis-1,2-Dichloroethene	7.483	96	48039	20.177	ug/l	97
23) tert-Butyl Alcohol	5.536	59	37032m	109.336	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	127042	20.649	ug/l	99
25) Chloroform	7.959	83	80528	20.139	ug/l	95
26) Cyclohexane	8.253	56	64909	21.773	ug/l #	95
29) 1,1-Dichloropropene	8.365	75	54654	19.862	ug/l	99
30) 2-Butanone	7.483	43	125147	98.597	ug/l	98
31) 2,2-Dichloropropane	7.483	77	70080	20.864	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	74479	19.923	ug/l	99
33) Carbon Tetrachloride	8.359	117	63277	19.837	ug/l	99
34) Benzene	8.606	78	177177	19.480	ug/l	94
35) Methacrylonitrile	7.777	41	28441	18.906	ug/l	97
36) 1,2-Dichloroethane	8.665	62	58249	19.259	ug/l	100
37) Trichloroethene	9.353	130	40196	19.591	ug/l	91
38) Methylcyclohexane	9.600	83	59338	20.032	ug/l	99
39) 1,2-Dichloropropane	9.618	63	44012	20.103	ug/l	93
40) Dibromomethane	9.706	93	29895	19.519	ug/l	98
41) Bromodichloromethane	9.888	83	63485	19.335	ug/l	95
42) Vinyl Acetate	6.600	43	477204	100.583	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	52620	19.730	ug/l	100
44) Isopropyl Acetate	8.688	43	94921	17.576	ug/l	97
45) 1,4-Dioxane	9.694	88	15679	434.863	ug/l #	85
46) Methyl methacrylate	9.682	41	41700	19.214	ug/l	91
47) n-amyl Acetate	12.494	43	80970	20.075	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	63914	19.713	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	69450	19.987	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	40510	19.718	ug/l	95
51) Ethyl methacrylate	10.876	69	63630	20.093	ug/l	94
52) 1,3-Dichloropropane	11.159	76	70880	19.876	ug/l	99
53) Dibromochloromethane	11.359	129	48005	19.967	ug/l	97
54) 1,2-Dibromoethane	11.465	107	40593	19.536	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	154220	99.331	ug/l	99
56) Bromoform	12.576	173	31835	19.755	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	267088	100.773	ug/l	100
59) 2-Hexanone	11.194	43	196936	101.473	ug/l	99
61) Tetrachloroethene	11.100	164	34684	19.727	ug/l	97
62) Toluene	10.629	91	186269	19.467	ug/l	99
64) Chlorobenzene	11.888	112	115588	20.010	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	41286	19.448	ug/l	98
66) Ethyl Benzene	11.965	91	195795	19.471	ug/l	94
67) m/p-Xylenes	12.070	106	152197	39.532	ug/l	100
68) o-Xylene	12.394	106	74275	20.000	ug/l	96
69) Styrene	12.412	104	126243	20.274	ug/l	98
70) Isopropylbenzene	12.694	105	185047	20.058	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	59950	20.048	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	49762m	19.489	ug/l	
73) Bromobenzene	12.976	156	47545	19.982	ug/l	98
74) n-propylbenzene	13.035	91	216677	20.085	ug/l	100
75) 2-Chlorotoluene	13.123	91	141777	20.181	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	161455	20.483	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	20864	19.923	ug/l	90
78) 4-Chlorotoluene	13.223	91	143411	20.204	ug/l	100
79) tert-butylbenzene	13.435	119	136935	21.007	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	164066	20.632	ug/l	97
81) sec-Butylbenzene	13.612	105	177891	19.805	ug/l	98
82) p-Isopropyltoluene	13.729	119	150744	19.973	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	88108	20.022	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	86946	19.995	ug/l	99
85) n-Butylbenzene	14.053	91	123578	19.495	ug/l	98
86) Hexachloroethane	14.329	117	31385	20.333	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	87547	20.189	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12546	21.744	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	42048	19.915	ug/l	99
90) Hexachlorobutadiene	15.500	225	19789	21.456	ug/l	93
91) Naphthalene	15.641	128	132406	19.636	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	42048	19.915	ug/l	99

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

