

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
 Data File : VN085024.D
 Acq On : 25 Nov 2024 12:15
 Operator : JC\MD
 Sample : VN1125WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/26/2024

Quant Time: Nov 25 15:13:46 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	7.806	128	28214	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	145410	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	133637	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	66221	29.195	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.300%		
60) 4-Bromofluorobenzene	12.847	95	70146	30.485	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.600%		
63) Toluene-d8	10.565	98	185845	29.376	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.933%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	32442	19.770	ug/l	91
3) Chloromethane	2.359	50	35860	18.151	ug/l	94
4) Vinyl Chloride	2.512	62	33433	18.223	ug/l	96
5) Bromomethane	2.901	94	19151	20.566	ug/l	100
6) Chloroethane	3.077	64	23825	19.779	ug/l	96
7) Trichlorofluoromethane	3.477	101	58003	19.468	ug/l	95
8) Diethyl Ether	3.953	74	21115	19.868	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	33880	20.121	ug/l	98
10) 1,1-Dichloroethene	4.330	96	30802	18.733	ug/l	93
11) Methyl Iodide	4.577	142	44916	19.875	ug/l	88
12) Methyl Acetate	5.012	43	44802	17.480	ug/l	92
13) Acrolein	4.171	56	27548	87.161	ug/l	99
14) Acrylonitrile	5.706	53	81575	97.291	ug/l	99
15) Acetone	4.424	58	24148	112.088	ug/l	96
16) Carbon Disulfide	4.700	76	85823	17.739	ug/l #	95
17) Allyl chloride	5.012	41	47911	17.100	ug/l	91
18) Methylene Chloride	5.271	84	36699	19.047	ug/l	95
19) trans-1,2-Dichloroethene	5.783	96	32412	18.806	ug/l	96
20) Diisopropyl ether	6.671	45	111406	19.863	ug/l	95
21) 1,1-Dichloroethane	6.559	63	64568	19.143	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	40759	19.809	ug/l	94
23) tert-Butyl Alcohol	5.530	59	29514	100.828	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	110317	20.747	ug/l	99
25) Chloroform	7.959	83	66883	19.354	ug/l	94
26) Cyclohexane	8.253	56	50459	19.584	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	43912	20.049	ug/l	99
30) 2-Butanone	7.477	43	108582	107.476	ug/l	98
31) 2,2-Dichloropropane	7.483	77	57150	21.376	ug/l	98
32) 1,1,1-Trichloroethane	8.159	97	59560	20.017	ug/l	98
33) Carbon Tetrachloride	8.353	117	51477	20.274	ug/l	98
34) Benzene	8.600	78	143811	19.865	ug/l	98
35) Methacrylonitrile	7.777	41	24567	20.517	ug/l	94
36) 1,2-Dichloroethane	8.665	62	51035	21.199	ug/l	98
37) Trichloroethene	9.347	130	34131	20.899	ug/l	94
38) Methylcyclohexane	9.600	83	45364	19.240	ug/l	97
39) 1,2-Dichloropropane	9.618	63	35302	20.258	ug/l	100
40) Dibromomethane	9.700	93	25747	21.120	ug/l	98
41) Bromodichloromethane	9.882	83	53446	20.450	ug/l	96
42) Vinyl Acetate	6.600	43	395570	104.750	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	42978	20.245	ug/l	99
44) Isopropyl Acetate	8.688	43	77286	17.979	ug/l	95
45) 1,4-Dioxane	9.688	88	12016	418.700	ug/l #	86
46) Methyl methacrylate	9.677	41	33786	19.558	ug/l	96
47) n-amyl Acetate	12.494	43	63091	19.652	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	54461	21.104	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	58511	21.155	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	35191	21.520	ug/l	95
51) Ethyl methacrylate	10.871	69	51876	20.580	ug/l	93
52) 1,3-Dichloropropane	11.159	76	59477	20.954	ug/l	99
53) Dibromochloromethane	11.353	129	41028	21.440	ug/l	96
54) 1,2-Dibromoethane	11.465	107	35294	21.340	ug/l	98
55) 2-Chloroethyl vinyl ether	10.153	63	104639	84.673	ug/l	99
56) Bromoform	12.576	173	27080	21.112	ug/l	94
58) 4-Methyl-2-Pentanone	10.441	43	220961	104.806	ug/l	99
59) 2-Hexanone	11.194	43	162425	105.210	ug/l	99
61) Tetrachloroethene	11.100	164	28330	20.256	ug/l	93
62) Toluene	10.624	91	149042	19.581	ug/l	99
64) Chlorobenzene	11.888	112	93374	20.321	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	34035	20.154	ug/l	97
66) Ethyl Benzene	11.959	91	155574	19.449	ug/l	99
67) m/p-Xylenes	12.071	106	121114	39.547	ug/l	98
68) o-Xylene	12.394	106	59915	20.282	ug/l	97
69) Styrene	12.406	104	101294	20.450	ug/l	98
70) Isopropylbenzene	12.694	105	145559	19.834	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	49830	20.949	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	39994m	19.691	ug/l	
73) Bromobenzene	12.976	156	38929	20.567	ug/l	96
74) n-propylbenzene	13.035	91	174009	20.277	ug/l	99
75) 2-Chlorotoluene	13.123	91	113471	20.305	ug/l	96
76) 1,3,5-Trimethylbenzene	13.171	105	134209	21.404	ug/l	96
77) t-1,4-Dichloro-2-butene	12.735	75	17999	21.607	ug/l	87
78) 4-Chlorotoluene	13.218	91	116153	20.572	ug/l	100
79) tert-butylbenzene	13.435	119	107715	20.773	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	134374	21.243	ug/l	98
81) sec-Butylbenzene	13.612	105	147158	20.596	ug/l	99
82) p-Isopropyltoluene	13.729	119	124998	20.820	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	70477	20.133	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	69705	20.152	ug/l	99
85) n-Butylbenzene	14.053	91	100967	20.024	ug/l	98
86) Hexachloroethane	14.329	117	24489	19.945	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	69674	20.199	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9446	20.581	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	35029	20.856	ug/l	94
90) Hexachlorobutadiene	15.500	225	16083	21.922	ug/l	97
91) Naphthalene	15.635	128	104060	19.401	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	35029	20.856	ug/l	94

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

