

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084505.D
 Acq On : 25 Oct 2024 10:40
 Operator : JC\MD
 Sample : VN1025WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
 Supervised By :Mahesh Dadoda 10/28/2024

Quant Time: Oct 26 05:25:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	35006	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	196424	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	178483	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	85431	30.313	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.033%			
60) 4-Bromofluorobenzene	12.847	95	90213	30.625	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.100%			
63) Toluene-d8	10.565	98	247087	29.883	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	37425	17.511	ug/l	96
3) Chloromethane	2.359	50	42455	17.456	ug/l	98
4) Vinyl Chloride	2.512	62	43498	18.237	ug/l	99
5) Bromomethane	2.965	94	27594	17.462	ug/l	95
6) Chloroethane	3.124	64	28969	18.527	ug/l	89
7) Trichlorofluoromethane	3.501	101	72738	18.723	ug/l	97
8) Diethyl Ether	3.965	74	26272	18.393	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	43494	19.911	ug/l	95
10) 1,1-Dichloroethene	4.342	96	40269	18.475	ug/l	93
11) Methyl Iodide	4.583	142	51000	17.805	ug/l	99
12) Methyl Acetate	5.024	43	57902	21.219	ug/l	95
13) Acrolein	4.177	56	50260	99.152	ug/l	98
14) Acrylonitrile	5.724	53	109397	89.236	ug/l	96
15) Acetone	4.424	58	39266	112.125	ug/l	88
16) Carbon Disulfide	4.706	76	107167	16.511	ug/l	98
17) Allyl chloride	5.018	41	62267	17.623	ug/l	93
18) Methylene Chloride	5.271	84	46706	19.022	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	41066	17.802	ug/l	94
20) Diisopropyl ether	6.671	45	146499	19.284	ug/l	96
21) 1,1-Dichloroethane	6.571	63	82163	18.849	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	49779	18.544	ug/l	98
23) tert-Butyl Alcohol	5.518	59	40923	87.026	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	136638	18.758	ug/l #	84
25) Chloroform	7.965	83	85704	19.413	ug/l	99
26) Cyclohexane	8.259	56	63628	17.453	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	57539	17.845	ug/l	98
30) 2-Butanone	7.483	43	164064	95.566	ug/l	99
31) 2,2-Dichloropropane	7.489	77	73609	19.426	ug/l #	81
32) 1,1,1-Trichloroethane	8.171	97	74667	18.116	ug/l	96
33) Carbon Tetrachloride	8.359	117	66737	18.691	ug/l	98
34) Benzene	8.606	78	183430	18.173	ug/l #	94
35) Methacrylonitrile	7.777	41	33276	18.169	ug/l	98
36) 1,2-Dichloroethane	8.665	62	63174	18.777	ug/l	99
37) Trichloroethene	9.353	130	43004	18.502	ug/l	91
38) Methylcyclohexane	9.600	83	61561	17.381	ug/l	99
39) 1,2-Dichloropropane	9.618	63	45243	18.381	ug/l	95
40) Dibromomethane	9.706	93	31615	18.378	ug/l	98
41) Bromodichloromethane	9.883	83	69934	19.150	ug/l #	95
42) Vinyl Acetate	6.600	43	524167	87.789	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	53166	15.702	ug/l	# 92
44) Isopropyl Acetate	8.688	43	121028	21.839	ug/l	90
45) 1,4-Dioxane	9.694	88	17805	356.411	ug/l	96
46) Methyl methacrylate	9.677	41	46112	17.222	ug/l	95
47) n-amyl Acetate	12.494	43	86813	17.612	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	67004	17.755	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	71632	18.112	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	43132	18.654	ug/l	96
51) Ethyl methacrylate	10.871	69	67198	17.595	ug/l	98
52) 1,3-Dichloropropane	11.159	76	75556	18.688	ug/l	98
53) Dibromochloromethane	11.359	129	51619	18.898	ug/l	99
54) 1,2-Dibromoethane	11.465	107	42803	17.984	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	153339	88.521	ug/l	99
56) Bromoform	12.576	173	32397	17.883	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	307964	92.625	ug/l	99
59) 2-Hexanone	11.194	43	233137	94.363	ug/l	100
61) Tetrachloroethene	11.100	164	38956	19.296	ug/l	96
62) Toluene	10.630	91	196630	18.818	ug/l	99
64) Chlorobenzene	11.888	112	120580	18.545	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	43584	19.294	ug/l	97
66) Ethyl Benzene	11.965	91	210798	18.569	ug/l	96
67) m/p-Xylenes	12.071	106	162032	37.626	ug/l	99
68) o-Xylene	12.400	106	76484	18.426	ug/l	98
69) Styrene	12.412	104	133735	18.768	ug/l	98
70) Isopropylbenzene	12.694	105	200837	18.952	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	61873	18.874	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	50617m	18.029	ug/l	
73) Bromobenzene	12.976	156	48953	19.075	ug/l	98
74) n-propylbenzene	13.035	91	239983	19.004	ug/l	100
75) 2-Chlorotoluene	13.123	91	149369	19.035	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	170711	19.133	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	21547	17.960	ug/l	98
78) 4-Chlorotoluene	13.218	91	150297	18.839	ug/l	99
79) tert-butylbenzene	13.435	119	145820	19.156	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	171754	18.972	ug/l	98
81) sec-Butylbenzene	13.612	105	198811	18.971	ug/l	98
82) p-Isopropyltoluene	13.729	119	164354	18.632	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	90986	19.067	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	89542	18.896	ug/l	99
85) n-Butylbenzene	14.053	91	140914	18.444	ug/l	100
86) Hexachloroethane	14.329	117	31139	18.323	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	87916	19.055	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12838	19.150	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	42844	17.861	ug/l	98
90) Hexachlorobutadiene	15.494	225	20560	18.527	ug/l	98
91) Naphthalene	15.641	128	136862	16.837	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	42844	17.861	ug/l	98

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

