

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084506.D
 Acq On : 25 Oct 2024 11:04
 Operator : JC\MD
 Sample : VN1025WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Oct 26 05:26:58 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	34702	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	195213	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	177752	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84628	30.291	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.967%			
60) 4-Bromofluorobenzene	12.847	95	88864	30.291	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.967%			
63) Toluene-d8	10.565	98	243186	29.532	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.433%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	36422	17.191	ug/l	97
3) Chloromethane	2.359	50	40390	16.752	ug/l	100
4) Vinyl Chloride	2.512	62	42500	17.975	ug/l	90
5) Bromomethane	2.965	94	26896	17.170	ug/l	91
6) Chloroethane	3.124	64	28823	18.595	ug/l	96
7) Trichlorofluoromethane	3.495	101	70666	18.349	ug/l	100
8) Diethyl Ether	3.959	74	25446	17.971	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	40889	18.882	ug/l	97
10) 1,1-Dichloroethene	4.336	96	38691	17.906	ug/l	88
11) Methyl Iodide	4.589	142	49750	17.521	ug/l	98
12) Methyl Acetate	5.024	43	59249	21.903	ug/l	97
13) Acrolein	4.177	56	52346	104.172	ug/l	99
14) Acrylonitrile	5.718	53	112460	92.538	ug/l	98
15) Acetone	4.424	58	38657	111.353	ug/l	96
16) Carbon Disulfide	4.712	76	102112	15.870	ug/l	97
17) Allyl chloride	5.024	41	63362	18.090	ug/l	98
18) Methylene Chloride	5.283	84	45436	18.667	ug/l	95
19) trans-1,2-Dichloroethene	5.789	96	40072	17.523	ug/l	97
20) Diisopropyl ether	6.671	45	143102	19.002	ug/l	97
21) 1,1-Dichloroethane	6.571	63	80838	18.707	ug/l	94
22) cis-1,2-Dichloroethene	7.488	96	49067	18.439	ug/l	97
23) tert-Butyl Alcohol	5.518	59	43998	94.385	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	138022	19.114	ug/l #	87
25) Chloroform	7.965	83	82367	18.820	ug/l	95
26) Cyclohexane	8.253	56	62057	17.171	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	55926	17.452	ug/l	99
30) 2-Butanone	7.483	43	166499	97.586	ug/l #	81
31) 2,2-Dichloropropane	7.483	77	72293	19.197	ug/l #	81
32) 1,1,1-Trichloroethane	8.165	97	74656	18.226	ug/l	98
33) Carbon Tetrachloride	8.359	117	65486	18.454	ug/l	98
34) Benzene	8.606	78	185185	18.461	ug/l	95
35) Methacrylonitrile	7.777	41	34201	18.790	ug/l	96
36) 1,2-Dichloroethane	8.671	62	62515	18.697	ug/l	99
37) Trichloroethene	9.353	130	42690	18.481	ug/l	91
38) Methylcyclohexane	9.600	83	60037	17.056	ug/l	99
39) 1,2-Dichloropropane	9.618	63	44464	18.177	ug/l	96
40) Dibromomethane	9.706	93	31527	18.441	ug/l	97
41) Bromodichloromethane	9.888	83	67112	18.491	ug/l	94
42) Vinyl Acetate	6.600	43	519106	87.481	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	59398	17.652	ug/l	97
44) Isopropyl Acetate	8.688	43	109016	19.794	ug/l	96
45) 1,4-Dioxane	9.694	88	17576	354.009	ug/l	98
46) Methyl methacrylate	9.682	41	47794	17.961	ug/l	97
47) n-amyl Acetate	12.494	43	87873	17.937	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	66779	17.805	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	72971	18.565	ug/l	92
50) 1,1,2-Trichloroethane	11.018	97	42706	18.584	ug/l	95
51) Ethyl methacrylate	10.871	69	69514	18.314	ug/l	99
52) 1,3-Dichloropropane	11.159	76	74470	18.534	ug/l	100
53) Dibromochloromethane	11.359	129	49660	18.294	ug/l	98
54) 1,2-Dibromoethane	11.465	107	42517	17.974	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	152493	88.579	ug/l	99
56) Bromoform	12.576	173	32774	18.203	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	317615	95.920	ug/l	100
59) 2-Hexanone	11.194	43	239404	97.299	ug/l	100
61) Tetrachloroethene	11.100	164	37279	18.541	ug/l	98
62) Toluene	10.629	91	193173	18.564	ug/l	99
64) Chlorobenzene	11.888	112	120005	18.532	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	42428	18.860	ug/l	99
66) Ethyl Benzene	11.965	91	205594	18.185	ug/l	100
67) m/p-Xylenes	12.070	106	159912	37.286	ug/l	99
68) o-Xylene	12.394	106	76327	18.463	ug/l	99
69) Styrene	12.412	104	130016	18.321	ug/l	100
70) Isopropylbenzene	12.694	105	195104	18.487	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.935	83	62486	19.140	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	59504m	21.282	ug/l	
73) Bromobenzene	12.982	156	46579	18.224	ug/l	98
74) n-propylbenzene	13.035	91	229550	18.253	ug/l	99
75) 2-Chlorotoluene	13.123	91	145197	18.580	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	164553	18.518	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	21527	18.017	ug/l	96
78) 4-Chlorotoluene	13.217	91	145653	18.332	ug/l	97
79) tert-butylbenzene	13.435	119	142685	18.822	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	162818	18.059	ug/l	99
81) sec-Butylbenzene	13.612	105	192819	18.474	ug/l	100
82) p-Isopropyltoluene	13.729	119	160343	18.252	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	87899	18.496	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	84764	17.962	ug/l	99
85) n-Butylbenzene	14.053	91	132654	17.435	ug/l	99
86) Hexachloroethane	14.329	117	29867	17.647	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	84315	18.350	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12707	19.033	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	42050	17.602	ug/l	97
90) Hexachlorobutadiene	15.500	225	19449	17.598	ug/l	100
91) Naphthalene	15.641	128	135282	16.711	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	42050	17.602	ug/l	97

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

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