

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081971.D
 Acq On : 02 May 2024 10:35
 Operator : JC\MD
 Sample : VN0502WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Manual Integrations
 APPROVED

Reviewed By :Romaben
 Patel

Quant Time: May 03 00:09:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	34753	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	208362	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	178020	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	86130	29.601	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.667%
60) 4-Bromofluorobenzene	12.853	95	87760	29.622	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.733%
63) Toluene-d8	10.565	98	260106	30.766	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.567%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	39809	20.180	ug/l	88
3) Chloromethane	2.365	50	44669	19.525	ug/l	98
4) Vinyl Chloride	2.512	62	45167	20.899	ug/l	89
5) Bromomethane	2.965	94	20882	18.516	ug/l	95
6) Chloroethane	3.124	64	24801	20.265	ug/l	91
7) Trichlorofluoromethane	3.500	101	61415	19.420	ug/l	88
8) Diethyl Ether	3.959	74	33410	21.823	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	40313	18.594	ug/l	84
10) 1,1-Dichloroethene	4.342	96	41025	19.342	ug/l #	77
11) Methyl Iodide	4.589	142	39261m	20.254	ug/l	
12) Methyl Acetate	5.024	43	57568	21.676	ug/l #	76
13) Acrolein	4.177	56	56843	100.704	ug/l	100
14) Acrylonitrile	5.718	53	128572	106.071	ug/l	99
15) Acetone	4.424	58	30496	112.275	ug/l	88
16) Carbon Disulfide	4.712	76	111580	18.988	ug/l #	92
17) Allyl chloride	5.024	41	79109	21.244	ug/l	86
18) Methylene Chloride	5.277	84	50982	21.125	ug/l	86
19) trans-1,2-Dichloroethene	5.789	96	43371	19.644	ug/l	93
20) Diisopropyl ether	6.671	45	170702	20.718	ug/l	97
21) 1,1-Dichloroethane	6.571	63	91089	20.879	ug/l	95
22) cis-1,2-Dichloroethene	7.482	96	56296	20.925	ug/l	97
23) tert-Butyl Alcohol	5.512	59	53002m	106.155	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	158239	20.693	ug/l #	85
25) Chloroform	7.965	83	85596	20.394	ug/l	95
26) Cyclohexane	8.259	56	77121	20.442	ug/l #	92
29) 1,1-Dichloropropene	8.371	75	61403	19.795	ug/l	98
30) 2-Butanone	7.482	43	165547	103.532	ug/l	95
31) 2,2-Dichloropropane	7.488	77	73394	23.088	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	68945	19.325	ug/l #	92
33) Carbon Tetrachloride	8.365	117	55513	19.173	ug/l	95
34) Benzene	8.606	78	204951	20.710	ug/l	97
35) Methacrylonitrile	7.777	41	40515	20.028	ug/l	94
36) 1,2-Dichloroethane	8.671	62	66654	20.064	ug/l	98
37) Trichloroethene	9.353	130	46547	19.204	ug/l	97
38) Methylcyclohexane	9.600	83	74929	19.995	ug/l	97
39) 1,2-Dichloropropane	9.624	63	52611	20.719	ug/l	96
40) Dibromomethane	9.712	93	32393	19.858	ug/l	91
41) Bromodichloromethane	9.888	83	69572	19.954	ug/l	99
42) Vinyl Acetate	6.600	43	700556	102.934	ug/l	96

05/03/2024
 Supervised By :Semsettin
 Kesilyurt

05/03/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	61669	17.689	ug/l	97	05/03/2024
44) Isopropyl Acetate	8.688	43	128666	20.788	ug/l #	87	Supervised By :Semsettin Yesilyurt
45) 1,4-Dioxane	9.700	88	21918	441.567	ug/l	99	
46) Methyl methacrylate	9.676	41	58317	20.624	ug/l	78	
47) n-amyl Acetate	12.494	43	112529	20.158	ug/l #	87	
48) t-1,3-Dichloropropene	10.835	75	76361	20.196	ug/l	97	
49) cis-1,3-Dichloropropene	10.312	75	85061	21.278	ug/l #	86	05/03/2024
50) 1,1,2-Trichloroethane	11.018	97	46723	21.112	ug/l	91	
51) Ethyl methacrylate	10.876	69	83267	19.935	ug/l	73	
52) 1,3-Dichloropropane	11.165	76	84821	20.861	ug/l	98	
53) Dibromochloromethane	11.359	129	45637	18.953	ug/l	100	
54) 1,2-Dibromoethane	11.470	107	44969	20.374	ug/l	99	
55) 2-Chloroethyl vinyl ether	10.159	63	207092	99.149	ug/l	95	
56) Bromoform	12.582	173	27670	18.881	ug/l #	94	
58) 4-Methyl-2-Pentanone	10.447	43	368169	106.512	ug/l #	86	
59) 2-Hexanone	11.194	43	277603	108.317	ug/l #	88	
61) Tetrachloroethene	11.106	164	39408	19.950	ug/l	92	
62) Toluene	10.629	91	214617	21.427	ug/l	99	
64) Chlorobenzene	11.894	112	126712	20.683	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.965	131	40681	20.288	ug/l	93	
66) Ethyl Benzene	11.965	91	223825	20.386	ug/l	98	
67) m/p-Xylenes	12.070	106	165160	40.573	ug/l	97	
68) o-Xylene	12.400	106	86473	21.471	ug/l	93	
69) Styrene	12.412	104	137280	20.305	ug/l	99	
70) Isopropylbenzene	12.694	105	210818	20.610	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	12.935	83	63625	21.615	ug/l	99	
72) 1,2,3-Trichloropropane	12.994	75	60373m	21.938	ug/l		
73) Bromobenzene	12.982	156	43315	19.782	ug/l	83	
74) n-propylbenzene	13.035	91	252391	20.914	ug/l	100	
75) 2-Chlorotoluene	13.129	91	153077	20.504	ug/l	99	
76) 1,3,5-Trimethylbenzene	13.176	105	169946	20.526	ug/l	100	
77) t-1,4-Dichloro-2-butene	12.741	75	26861	21.930	ug/l	90	
78) 4-Chlorotoluene	13.223	91	146884	20.083	ug/l	100	
79) tert-butylbenzene	13.441	119	142410	19.977	ug/l	99	
80) 1,2,4-Trimethylbenzene	13.482	105	170182	20.463	ug/l	97	
81) sec-Butylbenzene	13.617	105	209370	20.953	ug/l	98	
82) p-Isopropyltoluene	13.729	119	163307	20.668	ug/l	99	
83) 1,3-Dichlorobenzene	13.735	146	81680	20.717	ug/l	98	
84) 1,4-Dichlorobenzene	13.812	146	79713	20.115	ug/l	99	
85) n-Butylbenzene	14.059	91	152004	21.060	ug/l	98	
86) Hexachloroethane	14.335	117	29715	18.861	ug/l	79	
87) 1,2-Dichlorobenzene	14.106	146	78191	19.912	ug/l	99	
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12658	19.163	ug/l	88	
89) 1,2,4-Trichlorobenzene	15.847	180	39623	18.325	ug/l	96	
90) Hexachlorobutadiene	15.500	225	14030	17.520	ug/l	99	
91) Naphthalene	15.641	128	156192	19.003	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.847	180	39623	18.325	ug/l	96	

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

