

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078927.D
 Acq On : 17 Aug 2023 15:40
 Operator : JC\MD
 Sample : VN0817WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Quant Time: Aug 18 05:31:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2023
 Supervised By : Semsettin Yesilyurt 08/18/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	39608	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	217638	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	199114	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	94696	29.511	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.367%	
60) 4-Bromofluorobenzene	12.853	95	87091	29.985	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.933%	
63) Toluene-d8	10.571	98	272262	29.280	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	97.600%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44850	17.945	ug/l	100
3) Chloromethane	2.365	50	55854	18.647	ug/l	98
4) Vinyl Chloride	2.512	62	53513	18.051	ug/l	96
5) Bromomethane	2.948	94	34010	18.586	ug/l	98
6) Chloroethane	3.112	64	37265m	19.343	ug/l	
7) Trichlorofluoromethane	3.489	101	73776	18.477	ug/l	98
8) Diethyl Ether	3.965	74	28374	18.894	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	37465	17.966	ug/l	93
10) 1,1-Dichloroethene	4.342	96	37726	17.982	ug/l	92
11) Methyl Iodide	4.589	142	45928	18.141	ug/l	98
12) Methyl Acetate	5.024	43	95097	19.338	ug/l	96
13) Acrolein	4.189	56	30739m	89.683	ug/l	
14) Acrylonitrile	5.730	53	128429	99.351	ug/l #	93
15) Acetone	4.442	58	35116m	88.556	ug/l	
16) Carbon Disulfide	4.712	76	107270	17.795	ug/l	99
17) Allyl chloride	5.024	41	68131	17.718	ug/l	97
18) Methylene Chloride	5.289	84	49770m	19.844	ug/l	
19) trans-1,2-Dichloroethene	5.795	96	44067m	18.663	ug/l	
20) Diisopropyl ether	6.683	45	165058	19.733	ug/l	94
21) 1,1-Dichloroethane	6.571	63	88849	19.142	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	50605	18.726	ug/l	96
23) tert-Butyl Alcohol	5.536	59	49656	102.981	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	145345	19.517	ug/l	98
25) Chloroform	7.965	83	88992	19.032	ug/l	91
26) Cyclohexane	8.259	56	59494	17.523	ug/l #	100
29) 1,1-Dichloropropene	8.377	75	61889	18.693	ug/l	96
30) 2-Butanone	7.494	43	187852	96.923	ug/l	99
31) 2,2-Dichloropropane	7.494	77	67590	18.472	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	74466	18.839	ug/l	98
33) Carbon Tetrachloride	8.365	117	64243	18.764	ug/l	94
34) Benzene	8.612	78	194383	19.592	ug/l #	95
35) Methacrylonitrile	7.789	41	41592	20.134	ug/l	96
36) 1,2-Dichloroethane	8.677	62	72557	19.529	ug/l	99
37) Trichloroethene	9.359	130	44979	18.213	ug/l	92
38) Methylcyclohexane	9.600	83	52815	18.120	ug/l	98
39) 1,2-Dichloropropane	9.624	63	51801	19.383	ug/l	93
40) Dibromomethane	9.712	93	35911	20.047	ug/l	97
41) Bromodichloromethane	9.894	83	69598	19.319	ug/l	93
42) Vinyl Acetate	6.612	43	548023	100.288	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	76217	20.270	ug/l #	92
44) Isopropyl Acetate	8.694	43	131931	19.913	ug/l	98
45) 1,4-Dioxane	9.700	88	21324	427.707	ug/l	98
46) Methyl methacrylate	9.688	41	58098	19.903	ug/l	95
47) n-amyl Acetate	12.500	43	100625	19.792	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	75565	19.695	ug/l	94
49) cis-1,3-Dichloropropene	10.318	75	82219	19.984	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	47932	19.800	ug/l	96
51) Ethyl methacrylate	10.877	69	74583	19.906	ug/l	93
52) 1,3-Dichloropropane	11.171	76	86668	19.988	ug/l	98
53) Dibromochloromethane	11.365	129	52049	19.644	ug/l	95
54) 1,2-Dibromoethane	11.477	107	48530	19.527	ug/l	96
55) 2-Chloroethyl vinyl ether	10.165	63	178214	102.904	ug/l	99
56) Bromoform	12.588	173	36314	19.426	ug/l #	95
58) 4-Methyl-2-Pentanone	10.453	43	388499	98.342	ug/l	99
59) 2-Hexanone	11.200	43	277669	95.931	ug/l	100
61) Tetrachloroethene	11.112	164	35348	18.335	ug/l	94
62) Toluene	10.635	91	204064	18.772	ug/l	98
64) Chlorobenzene	11.894	112	121456	18.582	ug/l #	87
65) 1,1,1,2-Tetrachloroethane	11.965	131	47490	19.002	ug/l	98
66) Ethyl Benzene	11.971	91	211488	18.599	ug/l	98
67) m/p-Xylenes	12.076	106	159651	37.656	ug/l	100
68) o-Xylene	12.406	106	80169	19.178	ug/l	98
69) Styrene	12.418	104	129474	19.061	ug/l	99
70) Isopropylbenzene	12.700	105	180598	17.830	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	74206	19.543	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	59409m	19.072	ug/l	
73) Bromobenzene	12.982	156	46882	18.181	ug/l	94
74) n-propylbenzene	13.041	91	213196	18.572	ug/l	100
75) 2-Chlorotoluene	13.129	91	136289	18.715	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	149958	18.676	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	21551	18.617	ug/l	91
78) 4-Chlorotoluene	13.223	91	134377	19.261	ug/l	99
79) tert-butylbenzene	13.441	119	129660	19.110	ug/l	95
80) 1,2,4-Trimethylbenzene	13.488	105	145550	18.435	ug/l	96
81) sec-Butylbenzene	13.623	105	165668	18.501	ug/l	96
82) p-Isopropyltoluene	13.735	119	130016	17.784	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	77830	18.702	ug/l	95
84) 1,4-Dichlorobenzene	13.818	146	76166	18.642	ug/l	97
85) n-Butylbenzene	14.059	91	100735	17.519	ug/l	99
86) Hexachloroethane	14.341	117	27114	18.126	ug/l	93
87) 1,2-Dichlorobenzene	14.112	146	81957	19.228	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13934	20.446	ug/l	95
89) 1,2,4-Trichlorobenzene	15.847	180	28667	17.030	ug/l	96
90) Hexachlorobutadiene	15.506	225	15209	17.354	ug/l	96
91) Naphthalene	15.647	128	80985	16.681	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	28667	17.030	ug/l	96

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

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