

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072681.D
 Acq On : 07 Jun 2022 12:28
 Operator : JC\MD
 Sample : VN0607WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 08 09:50:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	37271	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	223080	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	200991	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	128156	30.150	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.500%
60) 4-Bromofluorobenzene	12.727	95	118450	28.653	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.500%
63) Toluene-d8	10.439	98	335363	30.121	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	56113	20.098	ug/l	92
3) Chloromethane	2.299	50	59342	19.545	ug/l	95
4) Vinyl Chloride	2.440	62	52474	19.168	ug/l	98
5) Bromomethane	2.846	94	27098	19.141	ug/l	91
6) Chloroethane	3.004	64	37930	20.780	ug/l	99
7) Trichlorofluoromethane	3.363	101	96835	19.566	ug/l	94
8) Diethyl Ether	3.822	74	39496	20.584	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.210	101	53781	20.628	ug/l	68
10) 1,1-Dichloroethene	4.181	96	48271	19.603	ug/l	95
11) Methyl Iodide	4.416	142	49102	19.916	ug/l	97
12) Methyl Acetate	4.851	43	104474	20.563	ug/l	94
13) Acrolein	4.040	56	40148	90.274	ug/l	98
14) Acrylonitrile	5.545	53	215819	104.212	ug/l	99
15) Acetone	4.281	58	55854	99.611	ug/l	82
16) Carbon Disulfide	4.528	76	111992	18.041	ug/l	99
17) Allyl chloride	4.834	41	107309	20.172	ug/l	90
18) Methylene Chloride	5.087	84	64032	20.709	ug/l	92
19) trans-1,2-Dichloroethene	5.587	96	53436	20.052	ug/l	89
20) Diisopropyl ether	6.487	45	226580	21.507	ug/l #	94
21) 1,1-Dichloroethane	6.387	63	121162	20.700	ug/l	99
22) cis-1,2-Dichloroethene	7.316	96	68185	20.427	ug/l	92
23) tert-Butyl Alcohol	5.351	59	94504	98.060	ug/l #	100
24) Methyl tert-Butyl Ether	5.604	73	225381	20.580	ug/l	96
25) Chloroform	7.810	83	125226	20.827	ug/l	100
26) Cyclohexane	8.092	56	97105	19.898	ug/l #	91
29) 1,1-Dichloropropene	8.216	75	83905	19.731	ug/l	95
30) 2-Butanone	7.328	43	316315	102.783	ug/l	94
31) 2,2-Dichloropropane	7.316	77	110574	19.210	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	108988	19.588	ug/l	95
33) Carbon Tetrachloride	8.198	117	94365	19.666	ug/l	94
34) Benzene	8.457	78	256603	20.397	ug/l	98
35) Methacrylonitrile	7.628	41	59084	19.580	ug/l	92
36) 1,2-Dichloroethane	8.522	62	106235	19.987	ug/l	100
37) Trichloroethene	9.216	130	61732	20.354	ug/l	92
38) Methylcyclohexane	9.457	83	97484	19.203	ug/l	88
39) 1,2-Dichloropropane	9.486	63	71193	20.598	ug/l	96
40) Dibromomethane	9.575	93	48932	20.624	ug/l	92
41) Bromodichloromethane	9.757	83	103574	20.408	ug/l	97
42) Vinyl Acetate	6.428	43	1040157	103.819	ug/l	99

06/08/2022
 Supervised By :Mahesh
 Gadoda

06/08/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.404	43	126692	21.486	ug/l	100	06/08/2022
44) Isopropyl Acetate	8.557	43	198390	20.284	ug/l	98	Supervised By :Mahesh
45) 1,4-Dioxane	9.563	88	31595	393.093	ug/l	90	Dadoda
46) Methyl methacrylate	9.551	41	87252	19.951	ug/l	82	
47) n-amyl Acetate	12.386	43	144283	19.268	ug/l	97	
48) t-1,3-Dichloropropene	10.716	75	111603	19.265	ug/l	96	
49) cis-1,3-Dichloropropene	10.180	75	117939	20.049	ug/l	98	06/08/2022
50) 1,1,2-Trichloroethane	10.898	97	69272	20.651	ug/l	97	
51) Ethyl methacrylate	10.757	69	121657	20.022	ug/l	94	
52) 1,3-Dichloropropane	11.039	76	124206	20.807	ug/l	100	
53) Dibromochloromethane	11.233	129	75223	20.325	ug/l	98	
54) 1,2-Dibromoethane	11.345	107	70327	19.939	ug/l	97	
55) 2-Chloroethyl vinyl ether	10.039	63	220159	92.514	ug/l	98	
56) Bromoform	12.451	173	50402	19.545	ug/l #	99	
58) 4-Methyl-2-Pentanone	10.328	43	634999	105.334	ug/l	98	
59) 2-Hexanone	11.080	43	479629	104.942	ug/l	99	
61) Tetrachloroethene	10.975	164	53618	21.556	ug/l	96	
62) Toluene	10.504	91	278417	20.429	ug/l	97	
64) Chlorobenzene	11.769	112	171640	20.686	ug/l	98	
65) 1,1,1,2-Tetrachloroethane	11.839	131	69185	21.149	ug/l	98	
66) Ethyl Benzene	11.839	91	324591	20.745	ug/l	98	
67) m/p-Xylenes	11.951	106	232469	40.734	ug/l	93	
68) o-Xylene	12.274	106	119636	20.549	ug/l	96	
69) Styrene	12.292	104	185090	20.027	ug/l	95	
70) Isopropylbenzene	12.574	105	310829	20.432	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	12.821	83	110081	21.376	ug/l	97	
72) 1,2,3-Trichloropropane	12.874	75	108668m	24.180	ug/l		
73) Bromobenzene	12.857	156	63302	20.469	ug/l	78	
74) n-propylbenzene	12.916	91	348362	20.011	ug/l	98	
75) 2-Chlorotoluene	13.004	91	217672	20.172	ug/l	93	
76) 1,3,5-Trimethylbenzene	13.057	105	259907	20.815	ug/l	98	
77) t-1,4-Dichloro-2-butene	12.621	75	37682	19.894	ug/l	98	
78) 4-Chlorotoluene	13.104	91	199095	19.531	ug/l	93	
79) tert-butylbenzene	13.321	119	224802	20.166	ug/l	97	
80) 1,2,4-Trimethylbenzene	13.498	105	302586	20.097	ug/l	100	
81) sec-Butylbenzene	13.498	105	302586	20.097	ug/l	99	
82) p-Isopropyltoluene	13.610	119	241621	20.104	ug/l	97	
83) 1,3-Dichlorobenzene	13.610	146	105053	19.404	ug/l	96	
84) 1,4-Dichlorobenzene	13.692	146	103940	19.772	ug/l	97	
85) n-Butylbenzene	13.939	91	198608	19.489	ug/l	97	
86) Hexachloroethane	14.210	117	52935	19.903	ug/l	89	
87) 1,2-Dichlorobenzene	13.986	146	107374	20.040	ug/l	95	
88) 1,2-Dibromo-3-Chloropr...	14.598	75	25679	19.888	ug/l	85	
89) 1,2,4-Trichlorobenzene	15.262	180	49973	18.508	ug/l	98	
90) Hexachlorobutadiene	15.362	225	25094	20.715	ug/l	97	
91) Naphthalene	15.498	128	191927	17.815	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.698	180	53045	19.311	ug/l	99	

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

Reviewed By :John
Carlone

Abundance

06/08/2022

