

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072680.D
 Acq On : 07 Jun 2022 11:52
 Operator : JC\MD
 Sample : VN0607WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2022
 Supervised By : Mahesh Dadoda 06/08/2022

Quant Time: Jun 08 09:50:34 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	7.645	128	37967	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	233719	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	207914	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	129778	29.972	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.900%
60) 4-Bromofluorobenzene	12.727	95	120023	28.067	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.567%
63) Toluene-d8	10.439	98	354529	30.782	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	58602	20.604	ug/l	99
3) Chloromethane	2.298	50	61474	19.876	ug/l	95
4) Vinyl Chloride	2.440	62	57412	20.587	ug/l	95
5) Bromomethane	2.846	94	27805	19.281	ug/l	98
6) Chloroethane	3.010	64	41676	22.413	ug/l	95
7) Trichlorofluoromethane	3.369	101	105006	20.828	ug/l	97
8) Diethyl Ether	3.822	74	41776	21.373	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.210	101	56877	21.415	ug/l	75
10) 1,1-Dichloroethene	4.175	96	51259	20.434	ug/l	94
11) Methyl Iodide	4.416	142	49137	19.565	ug/l	97
12) Methyl Acetate	4.851	43	105922	20.466	ug/l	96
13) Acrolein	4.028	56	42179	93.102	ug/l	99
14) Acrylonitrile	5.545	53	218525	103.584	ug/l	99
15) Acetone	4.275	58	56741	99.338	ug/l	95
16) Carbon Disulfide	4.528	76	118141	18.682	ug/l	98
17) Allyl chloride	4.840	41	112455	20.752	ug/l	93
18) Methylene Chloride	5.092	84	66391	21.078	ug/l #	86
19) trans-1,2-Dichloroethene	5.587	96	54330	20.014	ug/l	91
20) Diisopropyl ether	6.492	45	235310	21.926	ug/l	95
21) 1,1-Dichloroethane	6.381	63	125602	21.065	ug/l	98
22) cis-1,2-Dichloroethene	7.316	96	71268	20.960	ug/l	89
23) tert-Butyl Alcohol	5.357	59	94162	95.914	ug/l #	100
24) Methyl tert-Butyl Ether	5.604	73	233949	20.971	ug/l	96
25) Chloroform	7.816	83	130431	21.295	ug/l	98
26) Cyclohexane	8.092	56	104437	21.008	ug/l #	94
29) 1,1-Dichloropropene	8.216	75	89087	19.996	ug/l	95
30) 2-Butanone	7.328	43	322445	100.006	ug/l	94
31) 2,2-Dichloropropane	7.316	77	120236	19.938	ug/l	95
32) 1,1,1-Trichloroethane	8.004	97	113980	19.552	ug/l	93
33) Carbon Tetrachloride	8.198	117	96411	19.178	ug/l	98
34) Benzene	8.457	78	267025	20.259	ug/l	97
35) Methacrylonitrile	7.628	41	60423	19.112	ug/l	90
36) 1,2-Dichloroethane	8.522	62	110790	19.895	ug/l	98
37) Trichloroethene	9.216	130	64720	20.368	ug/l	100
38) Methylcyclohexane	9.457	83	106803	20.081	ug/l	93
39) 1,2-Dichloropropane	9.486	63	74933	20.694	ug/l	97
40) Dibromomethane	9.574	93	50524	20.325	ug/l	93
41) Bromodichloromethane	9.757	83	106712	20.069	ug/l #	93
42) Vinyl Acetate	6.428	43	1057802	100.774	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.404	43	125673	20.343	ug/l	98	06/08/2022
44) Isopropyl Acetate	8.557	43	203380	19.848	ug/l	99	Supervised By : Mahesh Dadoda
45) 1,4-Dioxane	9.563	88	32153	381.826	ug/l	90	
46) Methyl methacrylate	9.557	41	88614	19.340	ug/l	92	
47) n-amyl Acetate	12.386	43	139168	17.739	ug/l	97	
48) t-1,3-Dichloropropene	10.716	75	117580	19.373	ug/l	99	
49) cis-1,3-Dichloropropene	10.186	75	120217	19.506	ug/l	99	06/08/2022
50) 1,1,2-Trichloroethane	10.898	97	71056	20.219	ug/l	95	
51) Ethyl methacrylate	10.757	69	123101	19.338	ug/l	97	
52) 1,3-Dichloropropane	11.039	76	126506	20.228	ug/l	100	
53) Dibromochloromethane	11.233	129	77181	19.905	ug/l	99	
54) 1,2-Dibromoethane	11.345	107	73095	19.780	ug/l	97	
55) 2-Chloroethyl vinyl ether	10.033	63	221239	88.736	ug/l	98	
56) Bromoform	12.451	173	50059	18.529	ug/l #	98	
58) 4-Methyl-2-Pentanone	10.327	43	652234	104.590	ug/l	98	
59) 2-Hexanone	11.080	43	479117	101.339	ug/l	99	
61) Tetrachloroethene	10.974	164	57969	22.530	ug/l	94	
62) Toluene	10.504	91	297838	21.127	ug/l	97	
64) Chlorobenzene	11.768	112	176403	20.552	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.839	131	72102	21.307	ug/l	97	
66) Ethyl Benzene	11.839	91	334966	20.696	ug/l	98	
67) m/p-Xylenes	11.951	106	243888	41.312	ug/l	94	
68) o-Xylene	12.274	106	126533	21.010	ug/l	97	
69) Styrene	12.292	104	192458	20.131	ug/l	95	
70) Isopropylbenzene	12.574	105	326405	20.741	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.821	83	108641	20.394	ug/l	97	
72) 1,2,3-Trichloropropane	12.874	75	91600m	19.703	ug/l		
73) Bromobenzene	12.857	156	63964	19.994	ug/l	77	
74) n-propylbenzene	12.915	91	362546	20.133	ug/l	98	
75) 2-Chlorotoluene	13.004	91	225075	20.164	ug/l	93	
76) 1,3,5-Trimethylbenzene	13.057	105	266353	20.621	ug/l	99	
77) t-1,4-Dichloro-2-butene	12.621	75	37031	18.899	ug/l	94	
78) 4-Chlorotoluene	13.098	91	203773	19.324	ug/l	94	
79) tert-butylbenzene	13.321	119	230740	20.009	ug/l	96	
80) 1,2,4-Trimethylbenzene	13.498	105	313256	20.113	ug/l	100	
81) sec-Butylbenzene	13.498	105	313256	20.113	ug/l	100	
82) p-Isopropyltoluene	13.610	119	247204	19.883	ug/l	98	
83) 1,3-Dichlorobenzene	13.610	146	112573	20.101	ug/l	98	
84) 1,4-Dichlorobenzene	13.692	146	105084	19.324	ug/l	96	
85) n-Butylbenzene	13.939	91	207016	19.638	ug/l	97	
86) Hexachloroethane	14.209	117	53053	19.283	ug/l	91	
87) 1,2-Dichlorobenzene	13.986	146	112001	20.207	ug/l	95	
88) 1,2-Dibromo-3-Chloropr...	14.598	75	25148	18.828	ug/l	88	
89) 1,2,4-Trichlorobenzene	15.262	180	52810	18.907	ug/l	99	
90) Hexachlorobutadiene	15.368	225	24934	19.898	ug/l	94	
91) Naphthalene	15.504	128	192214	17.247	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.698	180	53482	18.822	ug/l	98	

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

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