

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077592.D
 Acq On : 05 May 2023 14:53
 Operator : JC\MD
 Sample : VN0505WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 06 02:32:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.825	128	62801	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	430368	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	484828	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	179845	32.122	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.067%
60) 4-Bromofluorobenzene	12.848	95	272128	32.038	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	106.800%
63) Toluene-d8	10.566	98	508415	29.760	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	141979	18.159	ug/l	99
3) Chloromethane	2.372	50	126367	21.879	ug/l	96
4) Vinyl Chloride	2.525	62	152954	19.041	ug/l	91
5) Bromomethane	2.960	94	114840	16.935	ug/l	99
6) Chloroethane	3.125	64	104773	18.111	ug/l	92
7) Trichlorofluoromethane	3.507	101	218483	18.442	ug/l	95
8) Diethyl Ether	3.972	74	91850	22.156	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.384	101	117344	17.526	ug/l	98
10) 1,1-Dichloroethene	4.354	96	118491	18.447	ug/l	95
11) Methyl Iodide	4.596	142	152946	19.409	ug/l	97
12) Methyl Acetate	5.037	43	231894	25.032	ug/l	97
13) Acrolein	4.196	56	124094	111.723	ug/l	98
14) Acrylonitrile	5.725	53	331583	116.667	ug/l	97
15) Acetone	4.443	58	88973	98.050	ug/l	81
16) Carbon Disulfide	4.719	76	292778	18.176	ug/l	98
17) Allyl chloride	5.037	41	146321	20.774	ug/l	96
18) Methylene Chloride	5.284	84	146143	19.286	ug/l	92
19) trans-1,2-Dichloroethene	5.796	96	134127	18.898	ug/l	92
20) Diisopropyl ether	6.678	45	374015	22.812	ug/l	95
21) 1,1-Dichloroethane	6.572	63	246095	20.539	ug/l	98
22) cis-1,2-Dichloroethene	7.490	96	166082	19.538	ug/l	96
23) tert-Butyl Alcohol	5.525	59	132440m	108.015	ug/l	
24) Methyl tert-Butyl Ether	5.801	73	482862	21.673	ug/l	98
25) Chloroform	7.972	83	284495	20.658	ug/l	95
26) Cyclohexane	8.260	56	185429	18.971	ug/l #	94
29) 1,1-Dichloropropene	8.378	75	189435	20.882	ug/l	97
30) 2-Butanone	7.490	43	397059	119.382	ug/l	96
31) 2,2-Dichloropropane	7.501	77	202965	19.122	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	237118	20.251	ug/l	96
33) Carbon Tetrachloride	8.366	117	196689	19.353	ug/l	96
34) Benzene	8.607	78	579170	20.760	ug/l #	92
35) Methacrylonitrile	7.784	41	91923	27.069	ug/l	97
36) 1,2-Dichloroethane	8.672	62	227431	23.871	ug/l	98
37) Trichloroethene	9.360	130	140300	19.897	ug/l	97
38) Methylcyclohexane	9.601	83	222668	18.683	ug/l	95
39) 1,2-Dichloropropane	9.625	63	144446	22.355	ug/l	96
40) Dibromomethane	9.713	93	111545	21.889	ug/l	99
41) Bromodichloromethane	9.889	83	223045	22.162	ug/l	94
42) Vinyl Acetate	6.613	43	1240277	118.406	ug/l	94

05/08/2023
 Supervised By :Mahesh
 adoda

05/08/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	169211m	26.285	ug/l	93
44) Isopropyl Acetate	8.695	43	292509	25.650	ug/l	93
45) 1,4-Dioxane	9.695	88	59864	432.861	ug/l	93
46) Methyl methacrylate	9.684	41	130158	25.079	ug/l	96
47) n-amyl Acetate	12.495	43	229797	25.138	ug/l	100
48) t-1,3-Dichloropropene	10.836	75	226254	22.081	ug/l	96
49) cis-1,3-Dichloropropene	10.319	75	247688	22.393	ug/l	96
50) 1,1,2-Trichloroethane	11.019	97	161165	22.280	ug/l	98
51) Ethyl methacrylate	10.878	69	236170	23.582	ug/l	92
52) 1,3-Dichloropropane	11.166	76	271892	23.162	ug/l	98
53) Dibromochloromethane	11.360	129	163598	21.967	ug/l	98
54) 1,2-Dibromoethane	11.472	107	162601	21.965	ug/l	99
55) 2-Chloroethyl vinyl ether	10.160	63	321668	97.880	ug/l	97
56) Bromoform	12.583	173	97939	21.084	ug/l	97
58) 4-Methyl-2-Pentanone	10.448	43	872635	124.979	ug/l	95
59) 2-Hexanone	11.195	43	634200	123.285	ug/l	95
61) Tetrachloroethene	11.107	164	107966	19.065	ug/l	93
62) Toluene	10.631	91	662437	20.316	ug/l	100
64) Chlorobenzene	11.895	112	399569	20.059	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.966	131	148852	20.910	ug/l	98
66) Ethyl Benzene	11.966	91	720843	20.246	ug/l	97
67) m/p-Xylenes	12.072	106	552064	39.819	ug/l	94
68) o-Xylene	12.401	106	278967	20.257	ug/l	95
69) Styrene	12.413	104	447263	20.886	ug/l	98
70) Isopropylbenzene	12.701	105	707489	20.239	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.942	83	234083	21.984	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	195533m	21.588	ug/l	
73) Bromobenzene	12.983	156	152978	20.350	ug/l	93
74) n-propylbenzene	13.036	91	778328	20.009	ug/l	99
75) 2-Chlorotoluene	13.130	91	498348	20.771	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	548195	20.345	ug/l	98
77) t-1,4-Dichloro-2-butene	12.736	75	59767	19.978	ug/l	84
78) 4-Chlorotoluene	13.225	91	463665	20.413	ug/l	99
79) tert-butylbenzene	13.442	119	496182	19.906	ug/l	99
80) 1,2,4-Trimethylbenzene	13.489	105	511049	20.622	ug/l	99
81) sec-Butylbenzene	13.619	105	689067	19.829	ug/l	100
82) p-Isopropyltoluene	13.730	119	527413	19.369	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	264030	20.078	ug/l	99
84) 1,4-Dichlorobenzene	13.813	146	261801	20.148	ug/l	99
85) n-Butylbenzene	14.060	91	405264	19.259	ug/l	98
86) Hexachloroethane	14.336	117	103152	18.700	ug/l	93
87) 1,2-Dichlorobenzene	14.107	146	270631	20.228	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.719	75	42725	21.707	ug/l	94
89) 1,2,4-Trichlorobenzene	15.401	180	60839	17.325	ug/l	99
90) Hexachlorobutadiene	15.501	225	50556	17.702	ug/l	94
91) Naphthalene	15.642	128	243310	18.980	ug/l	98
92) 1,2,3-Trichlorobenzene	15.848	180	59478	18.104	ug/l	96

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

