

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069442.D
 Acq On : 10 Nov 2021 15:07
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111021

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 10 18:03:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

11/11/2021
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	7.659	128	182449	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1081444	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	982823	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	483319	30.545	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.800%
60) 4-Bromofluorobenzene	12.734	95	466349	29.651	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.833%
63) Toluene-d8	10.443	98	1384817	30.516	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.733%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.075	85	301252	22.345	ug/l	99
3) Chloromethane	2.306	50	311667	22.172	ug/l	97
4) Vinyl Chloride	2.448	62	315289	22.121	ug/l	98
5) Bromomethane	2.872	94	212559	23.285	ug/l	97
6) Chloroethane	3.028	64	195979	21.793	ug/l	98
7) Trichlorofluoromethane	3.379	101	464114	22.216	ug/l	99
8) Diethyl Ether	3.824	74	139909	21.216	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.208	101	217128	22.460	ug/l	73
10) 1,1-Dichloroethene	4.181	96	190299	20.872	ug/l	85
11) Methyl Iodide	4.419	142	231032	18.187	ug/l	97
12) Methyl Acetate	4.862	43	552242	21.031	ug/l #	89
13) Acrolein	4.049	56	66661	92.335	ug/l	99
14) Acrylonitrile	5.559	53	746219	104.165	ug/l	99
15) Acetone	4.293	58	246286	103.175	ug/l	79
16) Carbon Disulfide	4.529	76	463114	20.321	ug/l	99
17) Allyl chloride	4.843	41	404284	20.862	ug/l	92
18) Methylene Chloride	5.095	84	240127	20.673	ug/l #	86
19) trans-1,2-Dichloroethene	5.602	96	209530	20.942	ug/l #	85
20) Diisopropyl ether	6.501	45	879192	21.173	ug/l #	95
21) 1,1-Dichloroethane	6.388	63	443809	21.068	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	259400	20.904	ug/l	93
23) tert-Butyl Alcohol	5.385	59	265507	106.493	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	784793m	21.477	ug/l	
25) Chloroform	7.820	83	459306	21.087	ug/l	99
26) Cyclohexane	8.096	56	437224	21.860	ug/l #	87
29) 1,1-Dichloropropene	8.225	75	346715	21.003	ug/l	95
30) 2-Butanone	7.343	43	1192494	99.798	ug/l	93
31) 2,2-Dichloropropane	7.329	77	349463	20.024	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	388913	20.180	ug/l	96
33) Carbon Tetrachloride	8.209	117	319677	20.084	ug/l	98
34) Benzene	8.464	78	1037321	20.663	ug/l	96
35) Methacrylonitrile	7.641	41	217563	19.852	ug/l	91
36) 1,2-Dichloroethane	8.534	62	407016	21.030	ug/l	98
37) Trichloroethene	9.217	130	250866	20.684	ug/l	94
38) Methylcyclohexane	9.462	83	433655	21.233	ug/l	91
39) 1,2-Dichloropropane	9.491	63	272028	20.460	ug/l	99
40) Dibromomethane	9.580	93	178683	20.066	ug/l	97
41) Bromodichloromethane	9.765	83	335626	20.081	ug/l	95
42) Vinyl Acetate	6.439	43	3403845	100.800	ug/l #	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	445114	20.101	ug/l	99
44) Isopropyl Acetate	8.566	43	699274	20.255	ug/l	96
45) 1,4-Dioxane	9.572	88	115154	410.904	ug/l	88
46) Methyl methacrylate	9.561	41	320126	20.134	ug/l	84
47) n-amyl Acetate	12.390	43	490509	18.502	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	343395	19.145	ug/l	97
49) cis-1,3-Dichloropropene	10.191	75	385977	19.775	ug/l	93
50) 1,1,2-Trichloroethane	10.899	97	256014	20.246	ug/l	98
51) Ethyl methacrylate	10.762	69	418358	19.733	ug/l	92
52) 1,3-Dichloropropane	11.047	76	445542	20.398	ug/l	98
53) Dibromochloromethane	11.240	129	228887	18.942	ug/l	99
54) 1,2-Dibromoethane	11.347	107	258154	19.713	ug/l	96
55) 2-Chloroethyl vinyl ether	10.044	63	395752	82.067	ug/l	97
56) Bromoform	12.460	173	155008	17.889	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	2335665	108.264	ug/l	94
59) 2-Hexanone	11.087	43	1703990	103.836	ug/l	96
61) Tetrachloroethene	10.980	164	224305	21.264	ug/l	96
62) Toluene	10.508	91	1148588	21.267	ug/l	99
64) Chlorobenzene	11.773	112	670793	20.702	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.843	131	237287	20.801	ug/l	98
66) Ethyl Benzene	11.846	91	1271563	21.271	ug/l	100
67) m/p-Xylenes	11.956	106	943469	42.492	ug/l	97
68) o-Xylene	12.283	106	461143	20.743	ug/l	96
69) Styrene	12.296	104	739523	20.518	ug/l	98
70) Isopropylbenzene	12.581	105	1223222	21.039	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	401837	20.945	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	357369m	19.122	ug/l	
73) Bromobenzene	12.862	156	274079	20.450	ug/l	94
74) n-propylbenzene	12.921	91	1409906	21.115	ug/l	99
75) 2-Chlorotoluene	13.010	91	848259	20.869	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	1001104	20.979	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	91354	18.108	ug/l	83
78) 4-Chlorotoluene	13.106	91	810852	20.830	ug/l	95
79) tert-butylbenzene	13.326	119	886067	21.108	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	984066m	21.140	ug/l	
81) sec-Butylbenzene	13.503	105	1227333	20.897	ug/l	100
82) p-Isopropyltoluene	13.619	119	978451	20.879	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	482474	21.055	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	463041	20.830	ug/l	99
85) n-Butylbenzene	13.943	91	790929	20.222	ug/l	99
86) Hexachloroethane	14.211	117	146813	18.929	ug/l	93
87) 1,2-Dichlorobenzene	13.991	146	464258	20.993	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	67359	20.057	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	218043	20.563	ug/l	96
90) Hexachlorobutadiene	15.370	225	128545	22.418	ug/l	98
91) Naphthalene	15.507	128	655262	21.451	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	225214	21.605	ug/l	98

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

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