

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112321\
 Data File : VN069624.D
 Acq On : 23 Nov 2021 13:36
 Operator : JC/MD
 Sample : VN1123WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 24 02:26:14 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

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

Internal Standards						11/24/2021
1) Bromochloromethane	7.657	128	183339	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	998144	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	905571	30.000	ug/l	0.00
System Monitoring Compounds						11/26/2021
27) 1,2-Dichloroethane-d4	8.437	65	490079	30.821	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.733%
60) 4-Bromofluorobenzene	12.731	95	438093	30.231	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.767%
63) Toluene-d8	10.440	98	1277866	30.562	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.867%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	290315	21.429	ug/l	97
3) Chloromethane	2.303	50	301868	21.371	ug/l	97
4) Vinyl Chloride	2.448	62	279774	19.534	ug/l	100
5) Bromomethane	2.867	94	168391	18.357	ug/l	97
6) Chloroethane	3.027	64	174347	19.293	ug/l	100
7) Trichlorofluoromethane	3.381	101	388830	18.522	ug/l	99
8) Diethyl Ether	3.824	74	141406	21.339	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.210	101	217674	22.408	ug/l	72
10) 1,1-Dichloroethene	4.183	96	190011	20.739	ug/l	87
11) Methyl Iodide	4.422	142	279917	21.928	ug/l	97
12) Methyl Acetate	4.857	43	556690	21.098	ug/l #	88
13) Acrolein	4.041	56	80961	111.598	ug/l	96
14) Acrylonitrile	5.557	53	729905	101.393	ug/l	99
15) Acetone	4.285	58	229444	95.653	ug/l	80
16) Carbon Disulfide	4.529	76	446409	19.493	ug/l	97
17) Allyl chloride	4.840	41	407555	20.929	ug/l	90
18) Methylene Chloride	5.095	84	249173	21.348	ug/l #	87
19) trans-1,2-Dichloroethene	5.597	96	209291	20.816	ug/l	89
20) Diisopropyl ether	6.495	45	903309	21.648	ug/l #	95
21) 1,1-Dichloroethane	6.388	63	452875	21.394	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	252325	20.235	ug/l	91
23) tert-Butyl Alcohol	5.371	59	231697	92.481	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	779841	21.238	ug/l	95
25) Chloroform	7.817	83	460742	21.050	ug/l	98
26) Cyclohexane	8.094	56	414447	20.621	ug/l #	87
29) 1,1-Dichloropropene	8.220	75	329297	21.612	ug/l	95
30) 2-Butanone	7.335	43	1121777	101.714	ug/l	92
31) 2,2-Dichloropropane	7.324	77	333758	20.720	ug/l	97
32) 1,1,1-Trichloroethane	8.013	97	373313	20.987	ug/l	95
33) Carbon Tetrachloride	8.206	117	312382	21.263	ug/l	97
34) Benzene	8.461	78	1006566	21.724	ug/l	96
35) Methacrylonitrile	7.635	41	214973	21.253	ug/l	89
36) 1,2-Dichloroethane	8.528	62	402637	22.540	ug/l	98
37) Trichloroethene	9.215	130	236661	21.142	ug/l	95
38) Methylcyclohexane	9.459	83	400146	21.227	ug/l	89
39) 1,2-Dichloropropane	9.488	63	269806	21.986	ug/l	99
40) Dibromomethane	9.577	93	175917	21.404	ug/l	96
41) Bromodichloromethane	9.762	83	334183	21.663	ug/l	94
42) Vinyl Acetate	6.434	43	3453657m	110.810	ug/l	

11/24/2021
 Supervised By :Mahesh
 Radoda

11/26/2021

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	431246	21.100	ug/l	96
44) Isopropyl Acetate	8.560	43	678097	21.281	ug/l	94
45) 1,4-Dioxane	9.569	88	99145	383.303	ug/l #	86
46) Methyl methacrylate	9.558	41	332506	22.658	ug/l	83
47) n-amyl Acetate	12.390	43	425665	17.396	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	333117	20.121	ug/l	98
49) cis-1,3-Dichloropropene	10.188	75	376544	20.902	ug/l	94
50) 1,1,2-Trichloroethane	10.896	97	252423	21.628	ug/l	96
51) Ethyl methacrylate	10.760	69	383442	19.596	ug/l	91
52) 1,3-Dichloropropane	11.044	76	438094	21.731	ug/l	99
53) Dibromochloromethane	11.237	129	227948	20.439	ug/l	99
54) 1,2-Dibromoethane	11.347	107	251683	20.823	ug/l	99
55) 2-Chloroethyl vinyl ether	10.041	63	430041	96.619	ug/l	97
56) Bromoform	12.457	173	150993	18.880	ug/l #	98
58) 4-Methyl-2-Pentanone	10.330	43	2169452	109.138	ug/l #	94
59) 2-Hexanone	11.084	43	1508959	99.795	ug/l	95
61) Tetrachloroethene	10.977	164	222608	22.903	ug/l	94
62) Toluene	10.505	91	1077604	21.655	ug/l	98
64) Chlorobenzene	11.768	112	631007	21.135	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.840	131	230929	21.970	ug/l	99
66) Ethyl Benzene	11.843	91	1172913	21.295	ug/l	100
67) m/p-Xylenes	11.953	106	872858	42.666	ug/l	95
68) o-Xylene	12.280	106	430545	21.019	ug/l	95
69) Styrene	12.294	104	683289	20.575	ug/l	97
70) Isopropylbenzene	12.578	105	1118884	20.886	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	380175	21.507	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	440260	25.566	ug/l	59
73) Bromobenzene	12.860	156	260616	21.104	ug/l	95
74) n-propylbenzene	12.921	91	1277315	20.761	ug/l	99
75) 2-Chlorotoluene	13.007	91	788221	21.046	ug/l	97
76) 1,3,5-Trimethylbenzene	13.058	105	920113	20.926	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	79192	17.036	ug/l	77
78) 4-Chlorotoluene	13.106	91	748308	20.864	ug/l	95
79) tert-butylbenzene	13.324	119	804789	20.807	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	888244m	20.709	ug/l	
81) sec-Butylbenzene	13.501	105	1101517	20.355	ug/l	99
82) p-Isopropyltoluene	13.616	119	879539	20.369	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	438787	20.782	ug/l	99
84) 1,4-Dichlorobenzene	13.694	146	425990	20.798	ug/l	99
85) n-Butylbenzene	13.943	91	675035	18.731	ug/l	99
86) Hexachloroethane	14.211	117	138390	19.366	ug/l	92
87) 1,2-Dichlorobenzene	13.989	146	435267	21.361	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	59350	19.180	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	175910	18.005	ug/l	97
90) Hexachlorobutadiene	15.367	225	118907	22.506	ug/l	98
91) Naphthalene	15.507	128	417835	14.846	ug/l	99
92) 1,2,3-Trichlorobenzene	15.700	180	170789	17.782	ug/l	99

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

