

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069605.D
 Acq On : 22 Nov 2021 13:13
 Operator : JC/MD
 Sample : VN1122WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 23 03:50:20 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						11/23/2021
1) Bromochloromethane	7.659	128	176689	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	976059	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	887506	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	474308	30.952	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.167%
60) 4-Bromofluorobenzene	12.731	95	417025	29.363	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.867%
63) Toluene-d8	10.441	98	1250862	30.525	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.733%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	276641	21.188	ug/l	99
3) Chloromethane	2.306	50	286431	21.041	ug/l	95
4) Vinyl Chloride	2.448	62	273017	19.779	ug/l	99
5) Bromomethane	2.864	94	162289	18.358	ug/l	100
6) Chloroethane	3.025	64	167027	19.179	ug/l	100
7) Trichlorofluoromethane	3.376	101	368249	18.202	ug/l	98
8) Diethyl Ether	3.824	74	131977	20.665	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.208	101	204175m	21.809	ug/l	
10) 1,1-Dichloroethene	4.181	96	179352	20.312	ug/l	86
11) Methyl Iodide	4.419	142	261291	21.239	ug/l	98
12) Methyl Acetate	4.857	43	533445	20.978	ug/l	92
13) Acrolein	4.039	56	79734	114.044	ug/l	98
14) Acrylonitrile	5.557	53	716964	103.344	ug/l	99
15) Acetone	4.288	58	228327	98.770	ug/l	77
16) Carbon Disulfide	4.527	76	427787	19.383	ug/l	96
17) Allyl chloride	4.838	41	387763	20.662	ug/l	90
18) Methylene Chloride	5.095	84	231152	20.549	ug/l #	85
19) trans-1,2-Dichloroethene	5.594	96	193793	20.000	ug/l	84
20) Diisopropyl ether	6.498	45	830161	20.644	ug/l #	95
21) 1,1-Dichloroethane	6.388	63	421687	20.670	ug/l	98
22) cis-1,2-Dichloroethene	7.329	96	238020	19.806	ug/l	92
23) tert-Butyl Alcohol	5.377	59	239270	99.098	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	733180	20.719	ug/l	94
25) Chloroform	7.820	83	429531	20.363	ug/l	99
26) Cyclohexane	8.096	56	396294	20.460	ug/l #	86
29) 1,1-Dichloropropene	8.223	75	308684	20.718	ug/l	95
30) 2-Butanone	7.337	43	1113747	103.271	ug/l #	91
31) 2,2-Dichloropropane	7.324	77	313237	19.886	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	351076	20.184	ug/l	94
33) Carbon Tetrachloride	8.204	117	290330	20.210	ug/l	99
34) Benzene	8.461	78	942071	20.792	ug/l #	95
35) Methacrylonitrile	7.641	41	207912	21.020	ug/l	89
36) 1,2-Dichloroethane	8.531	62	378900	21.691	ug/l	98
37) Trichloroethene	9.218	130	223097	20.381	ug/l	94
38) Methylcyclohexane	9.459	83	378715	20.545	ug/l	90
39) 1,2-Dichloropropane	9.491	63	252381	21.031	ug/l	99
40) Dibromomethane	9.577	93	168086	20.914	ug/l	95
41) Bromodichloromethane	9.762	83	310437	20.579	ug/l	96
42) Vinyl Acetate	6.436	43	3247251	106.545	ug/l #	94

11/23/2021
 Supervised By :Mahesh
 Radoda

11/23/2021

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.415	43	402921	20.160	ug/l	96	11/23/2021
44) Isopropyl Acetate	8.560	43	645249	20.708	ug/l	97	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.572	88	102181	403.979	ug/l	89	
46) Methyl methacrylate	9.561	41	297540	20.734	ug/l	81	
47) n-amyl Acetate	12.390	43	415815	17.378	ug/l	100	
48) t-1,3-Dichloropropene	10.719	75	313207	19.347	ug/l	99	
49) cis-1,3-Dichloropropene	10.191	75	357701	20.305	ug/l	94	11/23/2021
50) 1,1,2-Trichloroethane	10.899	97	233512	20.461	ug/l	97	
51) Ethyl methacrylate	10.762	69	374108	19.551	ug/l	92	
52) 1,3-Dichloropropane	11.044	76	412532	20.926	ug/l	99	
53) Dibromochloromethane	11.240	129	214905	19.705	ug/l	99	
54) 1,2-Dibromoethane	11.347	107	237732	20.113	ug/l	98	
55) 2-Chloroethyl vinyl ether	10.041	63	534684	122.848	ug/l	97	
56) Bromoform	12.460	173	144167	18.434	ug/l #	98	
58) 4-Methyl-2-Pentanone	10.331	43	2136310	109.659	ug/l	95	
59) 2-Hexanone	11.087	43	1505671	101.605	ug/l	95	
61) Tetrachloroethene	10.977	164	203817	21.397	ug/l	93	
62) Toluene	10.505	91	1020094	20.916	ug/l	99	
64) Chlorobenzene	11.771	112	594076	20.303	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.843	131	212930	20.670	ug/l	98	
66) Ethyl Benzene	11.846	91	1104286	20.457	ug/l	100	
67) m/p-Xylenes	11.953	106	816326	40.715	ug/l	95	
68) o-Xylene	12.280	106	405231	20.186	ug/l	95	
69) Styrene	12.294	104	639197	19.639	ug/l	97	
70) Isopropylbenzene	12.578	105	1061068	20.210	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	12.827	83	367032	21.186	ug/l	96	
72) 1,2,3-Trichloropropane	12.881	75	311971m	18.485	ug/l		
73) Bromobenzene	12.862	156	241898	19.987	ug/l	93	
74) n-propylbenzene	12.921	91	1172257	19.442	ug/l	99	
75) 2-Chlorotoluene	13.007	91	731501	19.929	ug/l	96	
76) 1,3,5-Trimethylbenzene	13.061	105	854109	19.821	ug/l	98	
77) t-1,4-Dichloro-2-butene	12.626	75	77982	17.118	ug/l	78	
78) 4-Chlorotoluene	13.106	91	683531	19.446	ug/l	95	
79) tert-butylbenzene	13.324	119	740269	19.529	ug/l	99	
80) 1,2,4-Trimethylbenzene	13.369	105	818908m	19.481	ug/l		
81) sec-Butylbenzene	13.503	105	1012826	19.097	ug/l	100	
82) p-Isopropyltoluene	13.616	119	796027	18.811	ug/l	100	
83) 1,3-Dichlorobenzene	13.619	146	402176	19.436	ug/l	99	
84) 1,4-Dichlorobenzene	13.696	146	383112	19.085	ug/l	99	
85) n-Butylbenzene	13.943	91	598978	16.959	ug/l	98	
86) Hexachloroethane	14.211	117	131215	18.735	ug/l	90	
87) 1,2-Dichlorobenzene	13.989	146	395570	19.808	ug/l	99	
88) 1,2-Dibromo-3-Chloropr...	14.606	75	59449	19.603	ug/l	97	
89) 1,2,4-Trichlorobenzene	15.265	180	162515	16.972	ug/l	98	
90) Hexachlorobutadiene	15.370	225	104690	20.218	ug/l	99	
91) Naphthalene	15.509	128	413412	14.987	ug/l	100	
92) 1,2,3-Trichlorobenzene	15.703	180	161000	17.104	ug/l	99	

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

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