

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074888.D
 Acq On : 12 Oct 2022 20:22
 Operator : JC\MD
 Sample : VN1012WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD02

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 13 08:03:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

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

Internal Standards						10/13/2022
1) Bromochloromethane	7.824	128	66066	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	407308	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	382769	30.000	ug/l	0.00
System Monitoring Compounds						10/14/2022
27) 1,2-Dichloroethane-d4	8.588	65	210551	34.041	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	113.467%#
60) 4-Bromofluorobenzene	12.853	95	185314	27.301	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.000%
63) Toluene-d8	10.571	98	662300	29.980	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.933%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.148	85	79253	21.602	ug/l	96
3) Chloromethane	2.383	50	135544	22.845	ug/l	95
4) Vinyl Chloride	2.536	62	196163	22.452	ug/l	94
5) Bromomethane	2.954	94	147803	21.336	ug/l	97
6) Chloroethane	3.130	64	159401	24.327	ug/l	96
7) Trichlorofluoromethane	3.512	101	160420	24.629	ug/l	88
8) Diethyl Ether	3.977	74	69594m	22.913	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.395	101	90866	22.169	ug/l	94
10) 1,1-Dichloroethene	4.359	96	89308	22.151	ug/l	99
11) Methyl Iodide	4.606	142	107825m	21.424	ug/l	
12) Methyl Acetate	5.053	43	204206	21.013	ug/l	94
13) Acrolein	4.206	56	148175	107.913	ug/l	99
14) Acrylonitrile	5.753	53	411482m	113.528	ug/l	
15) Acetone	4.453	58	110119	110.853	ug/l	95
16) Carbon Disulfide	4.730	76	218436	21.088	ug/l #	94
17) Allyl chloride	5.048	41	186981m	23.293	ug/l	
18) Methylene Chloride	5.295	84	115484	22.089	ug/l #	87
19) trans-1,2-Dichloroethene	5.800	96	92064	20.801	ug/l	94
20) Diisopropyl ether	6.694	45	404475	21.584	ug/l #	90
21) 1,1-Dichloroethane	6.589	63	216000	22.656	ug/l	97
22) cis-1,2-Dichloroethene	7.500	96	126184	22.767	ug/l	95
23) tert-Butyl Alcohol	5.548	59	161962	106.050	ug/l #	100
24) Methyl tert-Butyl Ether	5.830	73	360829m	21.428	ug/l	
25) Chloroform	7.977	83	211753	22.367	ug/l	99
26) Cyclohexane	8.271	56	175105	20.909	ug/l #	100
29) 1,1-Dichloropropene	8.383	75	145420	19.787	ug/l	97
30) 2-Butanone	7.500	43	572059	97.558	ug/l	98
31) 2,2-Dichloropropane	7.506	77	172303	19.153	ug/l	95
32) 1,1,1-Trichloroethane	8.183	97	175141	19.872	ug/l	95
33) Carbon Tetrachloride	8.365	117	147726m	20.410	ug/l	
34) Benzene	8.618	78	483987	19.923	ug/l #	89
35) Methacrylonitrile	7.794	41	113514	18.836	ug/l	98
36) 1,2-Dichloroethane	8.677	62	163709	20.237	ug/l	97
37) Trichloroethene	9.359	130	103491	20.485	ug/l	96
38) Methylcyclohexane	9.612	83	177508	19.882	ug/l	99
39) 1,2-Dichloropropane	9.630	63	135282	21.482	ug/l	97
40) Dibromomethane	9.712	93	82563	19.785	ug/l	99
41) Bromodichloromethane	9.894	83	165547	20.370	ug/l #	99
42) Vinyl Acetate	6.624	43	1814890m	103.904	ug/l	

10/13/2022
 Supervised By :Mahesh
 Radoda

10/14/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.583	43	201909	17.710	ug/l	98
44) Isopropyl Acetate	8.700	43	351010	19.910	ug/l	99
45) 1,4-Dioxane	9.706	88	64441	398.616	ug/l	93
46) Methyl methacrylate	9.683	41	150543	19.716	ug/l	91
47) n-amyl Acetate	12.494	43	298423	19.346	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	179670m	19.269	ug/l	
49) cis-1,3-Dichloropropene	10.318	75	187665	18.979	ug/l	94
50) 1,1,2-Trichloroethane	11.024	97	121962	19.860	ug/l	97
51) Ethyl methacrylate	10.877	69	201918	19.336	ug/l	94
52) 1,3-Dichloropropane	11.165	76	214959	20.280	ug/l	97
53) Dibromochloromethane	11.359	129	117363	19.507	ug/l	92
54) 1,2-Dibromoethane	11.471	107	118394	20.066	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	382892	93.738	ug/l	98
56) Bromoform	12.582	173	80580	18.586	ug/l	95
58) 4-Methyl-2-Pentanone	10.453	43	1174673	98.677	ug/l	98
59) 2-Hexanone	11.200	43	885235	96.626	ug/l	97
61) Tetrachloroethene	11.112	164	83048	20.352	ug/l #	81
62) Toluene	10.635	91	528088	19.970	ug/l	98
64) Chlorobenzene	11.894	112	290455	19.323	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	111567	19.706	ug/l	98
66) Ethyl Benzene	11.965	91	559377	19.452	ug/l	99
67) m/p-Xylenes	12.071	106	421291	38.998	ug/l	99
68) o-Xylene	12.400	106	216473	19.713	ug/l	95
69) Styrene	12.418	104	338484	18.833	ug/l	99
70) Isopropylbenzene	12.700	105	551943	19.489	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	211147	19.931	ug/l	96
72) 1,2,3-Trichloropropane	12.994	75	156372m	17.569	ug/l	
73) Bromobenzene	12.982	156	115860	19.522	ug/l	95
74) n-propylbenzene	13.041	91	635377	19.242	ug/l	99
75) 2-Chlorotoluene	13.129	91	376308	19.481	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	438453	19.051	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	64360	17.405	ug/l	94
78) 4-Chlorotoluene	13.223	91	349662	18.969	ug/l	98
79) tert-butylbenzene	13.441	119	381907	18.655	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	429416	18.544	ug/l	99
81) sec-Butylbenzene	13.618	105	551898	18.758	ug/l	99
82) p-Isopropyltoluene	13.735	119	430071	18.396	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	211937	18.302	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	204839	18.416	ug/l	100
85) n-Butylbenzene	14.059	91	358647	17.380	ug/l	97
86) Hexachloroethane	14.329	117	85193	18.607	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	220080	19.141	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	38435	17.976	ug/l	96
89) 1,2,4-Trichlorobenzene	15.394	180	94725	18.039	ug/l	98
90) Hexachlorobutadiene	15.506	225	44997	17.574	ug/l	100
91) Naphthalene	15.641	128	373614	17.931	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	92316	16.805	ug/l	94

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

