

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084310.D
 Acq On : 04 Oct 2024 11:31
 Operator : JC\MD
 Sample : VN1004WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD02

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 04 22:57:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	30110	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	152943	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	144076	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	75379m	27.388	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.300%
60) 4-Bromofluorobenzene	12.847	95	71613	28.840	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.133%
63) Toluene-d8	10.565	98	197689	29.633	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.767%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33484	16.606	ug/l	99
3) Chloromethane	2.359	50	39523	18.865	ug/l	96
4) Vinyl Chloride	2.518	62	38268	17.768	ug/l	100
5) Bromomethane	2.965	94	25026	20.797	ug/l	94
6) Chloroethane	3.124	64	25639	17.777	ug/l	97
7) Trichlorofluoromethane	3.501	101	63237	17.513	ug/l	97
8) Diethyl Ether	3.959	74	23596	19.232	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.377	101	37583	19.377	ug/l	94
10) 1,1-Dichloroethene	4.342	96	33626	17.968	ug/l #	78
11) Methyl Iodide	4.589	142	47832	18.817	ug/l	93
12) Methyl Acetate	5.024	43	53859	23.864	ug/l #	80
13) Acrolein	4.183	56	34203	103.843	ug/l	98
14) Acrylonitrile	5.724	53	99193	108.606	ug/l #	82
15) Acetone	4.424	58	30108	99.376	ug/l	91
16) Carbon Disulfide	4.712	76	94199	17.811	ug/l	96
17) Allyl chloride	5.030	41	56229	17.134	ug/l	90
18) Methylene Chloride	5.277	84	40852	19.953	ug/l	91
19) trans-1,2-Dichloroethene	5.789	96	36563	18.851	ug/l	95
20) Diisopropyl ether	6.671	45	128068	19.324	ug/l	97
21) 1,1-Dichloroethane	6.565	63	74949	19.807	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	43820	18.563	ug/l	93
23) tert-Butyl Alcohol	5.518	59	36201	108.013	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	123020	18.498	ug/l #	91
25) Chloroform	7.965	83	76121	18.983	ug/l	98
26) Cyclohexane	8.253	56	55313	16.597	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	49702	20.488	ug/l	98
30) 2-Butanone	7.483	43	136718	119.557	ug/l	96
31) 2,2-Dichloropropane	7.489	77	63104	20.403	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	65416	20.192	ug/l	96
33) Carbon Tetrachloride	8.359	117	56998	20.316	ug/l	96
34) Benzene	8.606	78	163783	22.502	ug/l	98
35) Methacrylonitrile	7.777	41	29933	23.285	ug/l	92
36) 1,2-Dichloroethane	8.671	62	57914	21.165	ug/l	97
37) Trichloroethene	9.347	130	37695	22.054	ug/l	90
38) Methylcyclohexane	9.600	83	54173	18.652	ug/l	94
39) 1,2-Dichloropropane	9.624	63	41405	23.636	ug/l	99
40) Dibromomethane	9.706	93	29131	22.743	ug/l	96
41) Bromodichloromethane	9.883	83	61064	22.419	ug/l	98
42) Vinyl Acetate	6.600	43	471140	100.208	ug/l	97

10/07/2024
 Supervised By :Mahesh
 Radoda

10/07/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	51995	22.590	ug/l	99	10/07/2024
44) Isopropyl Acetate	8.688	43	90682	22.779	ug/l	90	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.694	88	15835	509.979	ug/l #	90	
46) Methyl methacrylate	9.677	41	42513	22.063	ug/l	85	
47) n-amyl Acetate	12.494	43	76288	21.633	ug/l	94	
48) t-1,3-Dichloropropene	10.835	75	60759	21.207	ug/l	95	
49) cis-1,3-Dichloropropene	10.312	75	66287	22.246	ug/l	92	10/07/2024
50) 1,1,2-Trichloroethane	11.018	97	39334	24.133	ug/l	94	
51) Ethyl methacrylate	10.871	69	60586	21.758	ug/l	86	
52) 1,3-Dichloropropane	11.159	76	67269	22.854	ug/l	100	
53) Dibromochloromethane	11.359	129	45153	23.097	ug/l	100	
54) 1,2-Dibromoethane	11.465	107	38446	22.801	ug/l	97	
55) 2-Chloroethyl vinyl ether	10.159	63	126948	114.395	ug/l	97	
56) Bromoform	12.576	173	29240	23.542	ug/l #	95	
58) 4-Methyl-2-Pentanone	10.441	43	274446	120.134	ug/l #	89	
59) 2-Hexanone	11.194	43	201927	116.978	ug/l #	89	
61) Tetrachloroethene	11.100	164	33595	22.033	ug/l	93	
62) Toluene	10.630	91	174684	21.094	ug/l	100	
64) Chlorobenzene	11.888	112	105659	20.608	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.959	131	39608	22.176	ug/l	98	
66) Ethyl Benzene	11.965	91	183598	19.496	ug/l	99	
67) m/p-Xylenes	12.071	106	142525	41.136	ug/l	99	
68) o-Xylene	12.400	106	68589	20.454	ug/l	100	
69) Styrene	12.412	104	114869	20.274	ug/l	98	
70) Isopropylbenzene	12.694	105	173419	19.597	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	12.935	83	55691	23.042	ug/l	98	
72) 1,2,3-Trichloropropane	12.994	75	47275m	22.309	ug/l		
73) Bromobenzene	12.976	156	42952	21.132	ug/l	95	
74) n-propylbenzene	13.035	91	206980	19.981	ug/l	99	
75) 2-Chlorotoluene	13.123	91	128066	19.808	ug/l	99	
76) 1,3,5-Trimethylbenzene	13.171	105	148215	20.051	ug/l	100	
77) t-1,4-Dichloro-2-butene	12.735	75	18050	20.152	ug/l	92	
78) 4-Chlorotoluene	13.218	91	131232	20.015	ug/l	99	
79) tert-butylbenzene	13.441	119	125673	19.442	ug/l	98	
80) 1,2,4-Trimethylbenzene	13.482	105	150546	20.154	ug/l	100	
81) sec-Butylbenzene	13.618	105	172841	19.574	ug/l	100	
82) p-Isopropyltoluene	13.729	119	143783	19.353	ug/l	99	
83) 1,3-Dichlorobenzene	13.735	146	77352	19.773	ug/l	99	
84) 1,4-Dichlorobenzene	13.812	146	76617	19.590	ug/l	98	
85) n-Butylbenzene	14.053	91	120737	18.416	ug/l	98	
86) Hexachloroethane	14.329	117	27687	19.665	ug/l	90	
87) 1,2-Dichlorobenzene	14.106	146	75954	20.006	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10329	19.446	ug/l	97	
89) 1,2,4-Trichlorobenzene	15.835	180	36819	17.702	ug/l	96	
90) Hexachlorobutadiene	15.500	225	17861	20.747	ug/l	97	
91) Naphthalene	15.641	128	108050	15.890	ug/l	100	
92) 1,2,3-Trichlorobenzene	15.835	180	36819	17.702	ug/l	96	

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

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