

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102324\
 Data File : VN084471.D
 Acq On : 23 Oct 2024 14:14
 Operator : JC\MD
 Sample : VN1023WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

Quant Time: Oct 24 04:06:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	31512	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	161510	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	152709	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76359	30.098	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.333%
60) 4-Bromofluorobenzene	12.847	95	77986	30.943	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.133%
63) Toluene-d8	10.565	98	220327	31.144	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	34076	17.711	ug/l	99
3) Chloromethane	2.360	50	38427	17.551	ug/l	99
4) Vinyl Chloride	2.512	62	39090	18.206	ug/l	98
5) Bromomethane	2.959	94	25287	17.777	ug/l	87
6) Chloroethane	3.124	64	25502	18.118	ug/l	88
7) Trichlorofluoromethane	3.501	101	64542	18.455	ug/l	93
8) Diethyl Ether	3.959	74	22027	17.131	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	36776	18.702	ug/l	89
10) 1,1-Dichloroethene	4.342	96	34477	17.571	ug/l	91
11) Methyl Iodide	4.589	142	45177	17.521	ug/l	97
12) Methyl Acetate	5.030	43	49758	20.257	ug/l	96
13) Acrolein	4.177	56	28253	61.917	ug/l	98
14) Acrylonitrile	5.718	53	94617	85.738	ug/l	95
15) Acetone	4.436	58	29702	94.219	ug/l	97
16) Carbon Disulfide	4.712	76	96575	16.529	ug/l	98
17) Allyl chloride	5.024	41	53409	16.792	ug/l	94
18) Methylene Chloride	5.283	84	41289	18.680	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	36658	17.653	ug/l	87
20) Diisopropyl ether	6.677	45	129364	18.917	ug/l	96
21) 1,1-Dichloroethane	6.571	63	73012	18.607	ug/l	94
22) cis-1,2-Dichloroethene	7.489	96	43628	18.055	ug/l	97
23) tert-Butyl Alcohol	5.530	59	34071	80.489	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	115249	17.576	ug/l #	66
25) Chloroform	7.965	83	76290	19.196	ug/l	99
26) Cyclohexane	8.253	56	54642	16.650	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	49144	18.536	ug/l	98
30) 2-Butanone	7.483	43	130730	92.610	ug/l	99
31) 2,2-Dichloropropane	7.494	77	62117	19.937	ug/l #	81
32) 1,1,1-Trichloroethane	8.165	97	67203	19.830	ug/l	99
33) Carbon Tetrachloride	8.359	117	57319	19.523	ug/l	96
34) Benzene	8.606	78	164212	19.786	ug/l	95
35) Methacrylonitrile	7.777	41	28651	19.025	ug/l	94
36) 1,2-Dichloroethane	8.671	62	55630	20.109	ug/l #	91
37) Trichloroethene	9.347	130	36972	19.346	ug/l	90
38) Methylcyclohexane	9.600	83	50028	17.178	ug/l	97
39) 1,2-Dichloropropane	9.624	63	39820	19.675	ug/l	92
40) Dibromomethane	9.706	93	28353	20.045	ug/l	97
41) Bromodichloromethane	9.888	83	59716	19.887	ug/l	98
42) Vinyl Acetate	6.606	43	432283	88.051	ug/l	100

10/24/2024
 Supervised By : Mahesh
 Madoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	48124	17.286	ug/l	#	92
44) Isopropyl Acetate	8.689	43	83471	18.318	ug/l		100
45) 1,4-Dioxane	9.694	88	14981	364.708	ug/l		97
46) Methyl methacrylate	9.683	41	39002	17.715	ug/l		97
47) n-amyl Acetate	12.494	43	71774	17.709	ug/l		97
48) t-1,3-Dichloropropene	10.835	75	58105	18.726	ug/l		100
49) cis-1,3-Dichloropropene	10.312	75	63643	19.570	ug/l		97
50) 1,1,2-Trichloroethane	11.018	97	38750	20.381	ug/l		94
51) Ethyl methacrylate	10.877	69	56919	18.125	ug/l		92
52) 1,3-Dichloropropane	11.159	76	66746	20.078	ug/l		99
53) Dibromochloromethane	11.359	129	45709	20.352	ug/l		100
54) 1,2-Dibromoethane	11.465	107	37646	19.236	ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	142205	99.840	ug/l		98
56) Bromoform	12.576	173	29411	19.744	ug/l		98
58) 4-Methyl-2-Pentanone	10.441	43	264399	92.944	ug/l		99
59) 2-Hexanone	11.194	43	196306	92.866	ug/l		99
61) Tetrachloroethene	11.100	164	33700	19.510	ug/l		96
62) Toluene	10.630	91	174063	19.470	ug/l		98
64) Chlorobenzene	11.888	112	107152	19.261	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.959	131	39261	20.314	ug/l		100
66) Ethyl Benzene	11.965	91	182522	18.792	ug/l		94
67) m/p-Xylenes	12.071	106	139326	37.814	ug/l		99
68) o-Xylene	12.400	106	66918	18.842	ug/l		95
69) Styrene	12.412	104	114012	18.701	ug/l		99
70) Isopropylbenzene	12.694	105	169315	18.674	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.935	83	55246	19.697	ug/l		99
72) 1,2,3-Trichloropropane	12.988	75	51719m	21.531	ug/l		
73) Bromobenzene	12.976	156	43155	19.654	ug/l		97
74) n-propylbenzene	13.035	91	203220	18.809	ug/l		100
75) 2-Chlorotoluene	13.124	91	125904	18.753	ug/l		99
76) 1,3,5-Trimethylbenzene	13.171	105	143937	18.855	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	17416	16.967	ug/l		89
78) 4-Chlorotoluene	13.218	91	130195	19.074	ug/l		100
79) tert-butylbenzene	13.435	119	121202	18.610	ug/l		99
80) 1,2,4-Trimethylbenzene	13.482	105	146241	18.880	ug/l		100
81) sec-Butylbenzene	13.618	105	164314	18.325	ug/l		100
82) p-Isopropyltoluene	13.729	119	137306	18.193	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	79515	19.476	ug/l		100
84) 1,4-Dichlorobenzene	13.812	146	74716	18.429	ug/l		99
85) n-Butylbenzene	14.053	91	111813	17.106	ug/l		99
86) Hexachloroethane	14.329	117	27667	19.028	ug/l		99
87) 1,2-Dichlorobenzene	14.106	146	74361	18.838	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.718	75	10888	18.983	ug/l		94
89) 1,2,4-Trichlorobenzene	15.835	180	34767	16.940	ug/l		99
90) Hexachlorobutadiene	15.500	225	16828	17.723	ug/l		99
91) Naphthalene	15.641	128	105014	15.099	ug/l		99
92) 1,2,3-Trichlorobenzene	15.835	180	34767	16.940	ug/l		99

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

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