

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084308.D
 Acq On : 04 Oct 2024 10:15
 Operator : JC\MD
 Sample : VN1004WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/07/2024
 Supervised By : Mahesh Dadoda 10/07/2024

Quant Time: Oct 04 22:54:55 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	29960	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	164903	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	152496	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	74587	27.236	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 90.800%#			
60) 4-Bromofluorobenzene	12.847	95	75720	28.810	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.033%			
63) Toluene-d8	10.565	98	215198	30.476	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	32122	16.010	ug/l	90
3) Chloromethane	2.359	50	35402	16.982	ug/l	97
4) Vinyl Chloride	2.512	62	36368	16.970	ug/l	96
5) Bromomethane	2.959	94	21648	18.080	ug/l	95
6) Chloroethane	3.124	64	22435	15.633	ug/l	98
7) Trichlorofluoromethane	3.495	101	57362	15.966	ug/l	95
8) Diethyl Ether	3.959	74	20685	16.943	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.377	101	34765	18.014	ug/l	94
10) 1,1-Dichloroethene	4.348	96	31649	16.997	ug/l	93
11) Methyl Iodide	4.595	142	41489	16.404	ug/l	91
12) Methyl Acetate	5.030	43	46130	20.542	ug/l #	80
13) Acrolein	4.183	56	41943	127.979	ug/l	98
14) Acrylonitrile	5.718	53	83367	91.735	ug/l	98
15) Acetone	4.418	58	28529m	94.636	ug/l	
16) Carbon Disulfide	4.712	76	86307	16.400	ug/l #	94
17) Allyl chloride	5.018	41	50187	15.369	ug/l	87
18) Methylene Chloride	5.277	84	37326	18.322	ug/l	94
19) trans-1,2-Dichloroethene	5.789	96	32509	16.845	ug/l	95
20) Diisopropyl ether	6.665	45	116593	17.680	ug/l	95
21) 1,1-Dichloroethane	6.565	63	66023	17.536	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	38940	16.578	ug/l	93
23) tert-Butyl Alcohol	5.524	59	31097	93.249	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	106845	16.147	ug/l #	90
25) Chloroform	7.965	83	69296	17.367	ug/l	98
26) Cyclohexane	8.253	56	49951	15.063	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	45028	17.215	ug/l	99
30) 2-Butanone	7.483	43	123704	100.331	ug/l	95
31) 2,2-Dichloropropane	7.489	77	59046	17.707	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	61476	17.599	ug/l	97
33) Carbon Tetrachloride	8.365	117	53134	17.565	ug/l	98
34) Benzene	8.606	78	146627	18.684	ug/l	99
35) Methacrylonitrile	7.777	41	25608	18.476	ug/l	93
36) 1,2-Dichloroethane	8.671	62	50802	17.219	ug/l	97
37) Trichloroethene	9.353	130	34606	18.778	ug/l	94
38) Methylcyclohexane	9.600	83	48582	15.514	ug/l	94
39) 1,2-Dichloropropane	9.624	63	35494	18.792	ug/l	98
40) Dibromomethane	9.712	93	25579	18.521	ug/l	94
41) Bromodichloromethane	9.888	83	53614	18.256	ug/l	98
42) Vinyl Acetate	6.600	43	395855	78.089	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	45800	18.455	ug/l	96
44) Isopropyl Acetate	8.688	43	78327	18.248	ug/l	92
45) 1,4-Dioxane	9.694	88	13041	389.535	ug/l #	91
46) Methyl methacrylate	9.677	41	37357	17.981	ug/l	85
47) n-amyl Acetate	12.494	43	65918	17.337	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	52985	17.152	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	57289	17.832	ug/l #	89
50) 1,1,2-Trichloroethane	11.018	97	34883	19.850	ug/l	95
51) Ethyl methacrylate	10.871	69	51111	17.024	ug/l	86
52) 1,3-Dichloropropane	11.165	76	58602	18.466	ug/l	98
53) Dibromochloromethane	11.359	129	39397	18.691	ug/l	99
54) 1,2-Dibromoethane	11.471	107	33920	18.658	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	154380	129.024	ug/l	98
56) Bromoform	12.576	173	24859	18.564	ug/l #	98
58) 4-Methyl-2-Pentanone	10.441	43	238864	98.785	ug/l #	88
59) 2-Hexanone	11.194	43	175655	96.140	ug/l	90
61) Tetrachloroethene	11.100	164	30186	18.704	ug/l	92
62) Toluene	10.630	91	155879	17.784	ug/l	100
64) Chlorobenzene	11.888	112	97041	17.882	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	34599	18.302	ug/l	97
66) Ethyl Benzene	11.965	91	164387	16.492	ug/l	98
67) m/p-Xylenes	12.071	106	126852	34.591	ug/l	99
68) o-Xylene	12.400	106	60510	17.049	ug/l	100
69) Styrene	12.412	104	103524	17.263	ug/l	99
70) Isopropylbenzene	12.694	105	155566	16.609	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	49248	19.251	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	39973m	17.822	ug/l	
73) Bromobenzene	12.982	156	38344	17.823	ug/l	97
74) n-propylbenzene	13.035	91	187243	17.077	ug/l	99
75) 2-Chlorotoluene	13.123	91	119672	17.488	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	136307	17.422	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	15486	16.335	ug/l	94
78) 4-Chlorotoluene	13.218	91	115922	16.704	ug/l	97
79) tert-butylbenzene	13.435	119	114138	16.683	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	134614	17.026	ug/l	99
81) sec-Butylbenzene	13.612	105	157764	16.880	ug/l	98
82) p-Isopropyltoluene	13.729	119	129900	16.519	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	70541	17.036	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	67527	16.313	ug/l	99
85) n-Butylbenzene	14.053	91	107033	15.424	ug/l	98
86) Hexachloroethane	14.329	117	26255	17.619	ug/l	90
87) 1,2-Dichlorobenzene	14.106	146	67977	16.916	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9344	16.620	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	32665	14.838	ug/l	98
90) Hexachlorobutadiene	15.500	225	15752	17.287	ug/l	98
91) Naphthalene	15.641	128	96259	13.374	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	32665	14.838	ug/l	98

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

