

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084184.D
 Acq On : 26 Sep 2024 18:16
 Operator : JC\MD
 Sample : VN0926WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Quant Time: Sep 27 01:12:37 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/27/2024
 Supervised By :Semsettin Yesilyurt 09/27/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	27921	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	149429	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	139096	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71107	27.861	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.867%		
60) 4-Bromofluorobenzene	12.847	95	70033	29.213	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.367%		
63) Toluene-d8	10.565	98	201544	31.292	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	30901	16.526	ug/l	99
3) Chloromethane	2.359	50	36770	18.927	ug/l	99
4) Vinyl Chloride	2.512	62	36990	18.521	ug/l	98
5) Bromomethane	2.953	94	23387	20.959	ug/l	99
6) Chloroethane	3.118	64	24209	18.101	ug/l	99
7) Trichlorofluoromethane	3.500	101	58596	17.500	ug/l	92
8) Diethyl Ether	3.965	74	20273	17.819	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.371	101	32743	18.205	ug/l	95
10) 1,1-Dichloroethene	4.342	96	31645	18.236	ug/l	89
11) Methyl Iodide	4.594	142	38191	16.202	ug/l	96
12) Methyl Acetate	5.030	43	47453	22.674	ug/l #	79
13) Acrolein	4.183	56	33291m	108.998	ug/l	
14) Acrylonitrile	5.724	53	91757	108.340	ug/l	97
15) Acetone	4.430	58	24629	87.665	ug/l	83
16) Carbon Disulfide	4.712	76	86822	17.703	ug/l	97
17) Allyl chloride	5.024	41	52110	17.124	ug/l	87
18) Methylene Chloride	5.283	84	36963	19.469	ug/l	91
19) trans-1,2-Dichloroethene	5.794	96	32558	18.102	ug/l	97
20) Diisopropyl ether	6.677	45	118575	19.294	ug/l	97
21) 1,1-Dichloroethane	6.577	63	66694	19.008	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	39527	18.057	ug/l	93
23) tert-Butyl Alcohol	5.518	59	35041	112.749	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	109581	17.769	ug/l #	90
25) Chloroform	7.965	83	71749	19.295	ug/l	93
26) Cyclohexane	8.259	56	53091	17.179	ug/l #	86
29) 1,1-Dichloropropene	8.371	75	46339	19.551	ug/l	96
30) 2-Butanone	7.483	43	124426	111.367	ug/l	95
31) 2,2-Dichloropropane	7.488	77	52716	17.445	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	62782	19.834	ug/l	97
33) Carbon Tetrachloride	8.359	117	54138	19.750	ug/l	95
34) Benzene	8.606	78	149663	21.045	ug/l	97
35) Methacrylonitrile	7.782	41	27191	21.650	ug/l	88
36) 1,2-Dichloroethane	8.671	62	54139	20.250	ug/l	98
37) Trichloroethene	9.353	130	33920	20.312	ug/l	96
38) Methylcyclohexane	9.600	83	46499	16.387	ug/l	92
39) 1,2-Dichloropropane	9.618	63	37241	21.759	ug/l	97
40) Dibromomethane	9.706	93	26154	20.899	ug/l	94
41) Bromodichloromethane	9.888	83	55974	21.033	ug/l	93
42) Vinyl Acetate	6.606	43	410629	89.391	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	45196	20.098	ug/l	94
44) Isopropyl Acetate	8.688	43	83584	21.490	ug/l	90
45) 1,4-Dioxane	9.694	88	15230	502.029	ug/l #	94
46) Methyl methacrylate	9.682	41	38859	20.641	ug/l	80
47) n-amyl Acetate	12.494	43	71161	20.654	ug/l	93
48) t-1,3-Dichloropropene	10.835	75	51811	18.509	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	56893	19.543	ug/l #	85
50) 1,1,2-Trichloroethane	11.018	97	34750	21.822	ug/l	99
51) Ethyl methacrylate	10.876	69	53314	19.596	ug/l	81
52) 1,3-Dichloropropane	11.165	76	61621	21.428	ug/l	99
53) Dibromochloromethane	11.359	129	40491	21.199	ug/l	100
54) 1,2-Dibromoethane	11.470	107	34736	21.085	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	118076	108.902	ug/l	98
56) Bromoform	12.576	173	26191	21.584	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	260256	118.001	ug/l #	88
59) 2-Hexanone	11.194	43	187488	112.502	ug/l	89
61) Tetrachloroethene	11.100	164	30018	20.392	ug/l	94
62) Toluene	10.629	91	157038	19.642	ug/l	99
64) Chlorobenzene	11.894	112	95613	19.316	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	34036	19.738	ug/l	95
66) Ethyl Benzene	11.965	91	163943	18.032	ug/l	99
67) m/p-Xylenes	12.070	106	128555	38.432	ug/l	100
68) o-Xylene	12.400	106	60167	18.585	ug/l	100
69) Styrene	12.412	104	105326	19.255	ug/l	98
70) Isopropylbenzene	12.694	105	154376	18.070	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	50661	21.711	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	45193m	22.090	ug/l	
73) Bromobenzene	12.976	156	37155	18.934	ug/l	93
74) n-propylbenzene	13.035	91	185755	18.574	ug/l	99
75) 2-Chlorotoluene	13.123	91	115541	18.511	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	133376	18.689	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	16437	19.008	ug/l	81
78) 4-Chlorotoluene	13.223	91	118561	18.730	ug/l	100
79) tert-butylbenzene	13.435	119	110846	17.762	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	133820	18.556	ug/l	99
81) sec-Butylbenzene	13.617	105	153665	18.025	ug/l	100
82) p-Isopropyltoluene	13.729	119	125812	17.541	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	71129	18.833	ug/l	96
84) 1,4-Dichlorobenzene	13.812	146	67011	17.747	ug/l	98
85) n-Butylbenzene	14.059	91	103214	16.307	ug/l	98
86) Hexachloroethane	14.335	117	25630	18.856	ug/l	90
87) 1,2-Dichlorobenzene	14.106	146	68304	18.635	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10295	20.076	ug/l	90
89) 1,2,4-Trichlorobenzene	15.835	180	30629	15.253	ug/l	98
90) Hexachlorobutadiene	15.500	225	14100	16.964	ug/l	99
91) Naphthalene	15.641	128	95944	14.615	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	30629	15.253	ug/l	98

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

