

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084175.D
 Acq On : 26 Sep 2024 13:42
 Operator : JC\MD
 Sample : VN0926WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 27 01:08:23 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	28476	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	154848	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	144375	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71165	27.340	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 91.133%			
60) 4-Bromofluorobenzene	12.847	95	76131	30.596	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.000%			
63) Toluene-d8	10.565	98	200917	30.055	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.167%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	40226	21.094	ug/l	99
3) Chloromethane	2.359	50	43983	22.198	ug/l	98
4) Vinyl Chloride	2.518	62	43332	21.273	ug/l	97
5) Bromomethane	2.959	94	26825	23.571	ug/l	99
6) Chloroethane	3.118	64	28422	20.837	ug/l	93
7) Trichlorofluoromethane	3.501	101	70472	20.637	ug/l	95
8) Diethyl Ether	3.959	74	23517	20.267	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.371	101	41340	22.537	ug/l	93
10) 1,1-Dichloroethene	4.342	96	37775	21.344	ug/l	96
11) Methyl Iodide	4.595	142	46041	19.152	ug/l	99
12) Methyl Acetate	5.024	43	53553	25.090	ug/l #	82
13) Acrolein	4.183	56	40040	128.540	ug/l	100
14) Acrylonitrile	5.718	53	101980	118.064	ug/l	98
15) Acetone	4.430	58	35412	123.589	ug/l	80
16) Carbon Disulfide	4.712	76	108332	21.659	ug/l	98
17) Allyl chloride	5.024	41	60334	19.440	ug/l	89
18) Methylene Chloride	5.277	84	43822	22.632	ug/l	89
19) trans-1,2-Dichloroethene	5.789	96	40099	21.860	ug/l	96
20) Diisopropyl ether	6.671	45	138016	22.020	ug/l	94
21) 1,1-Dichloroethane	6.565	63	80495	22.494	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	49078	21.983	ug/l	95
23) tert-Butyl Alcohol	5.524	59	38164	120.404	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	128501	20.431	ug/l #	92
25) Chloroform	7.965	83	83584	22.040	ug/l	99
26) Cyclohexane	8.259	56	63278	20.077	ug/l #	87
29) 1,1-Dichloropropene	8.371	75	56974	23.197	ug/l	98
30) 2-Butanone	7.483	43	148897	128.606	ug/l	94
31) 2,2-Dichloropropane	7.494	77	69809	22.294	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	72481	22.097	ug/l	98
33) Carbon Tetrachloride	8.365	117	62912	22.148	ug/l	94
34) Benzene	8.606	78	177980	24.151	ug/l	98
35) Methacrylonitrile	7.783	41	32805	25.205	ug/l	91
36) 1,2-Dichloroethane	8.671	62	61707	22.273	ug/l	98
37) Trichloroethene	9.353	130	41149	23.778	ug/l	96
38) Methylcyclohexane	9.600	83	59827	20.346	ug/l	92
39) 1,2-Dichloropropane	9.618	63	44247	24.947	ug/l	98
40) Dibromomethane	9.706	93	30433	23.467	ug/l	94
41) Bromodichloromethane	9.882	83	63764	23.122	ug/l	97
42) Vinyl Acetate	6.606	43	498858	104.798	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	60037	25.763	ug/l	95
44) Isopropyl Acetate	8.688	43	94669	23.488	ug/l	90
45) 1,4-Dioxane	9.688	88	17400	553.487	ug/l #	90
46) Methyl methacrylate	9.682	41	46309	23.737	ug/l	82
47) n-amyl Acetate	12.494	43	84184	23.579	ug/l	94
48) t-1,3-Dichloropropene	10.835	75	63613	21.930	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	69271	22.962	ug/l #	86
50) 1,1,2-Trichloroethane	11.018	97	40377	24.468	ug/l	95
51) Ethyl methacrylate	10.871	69	63075	22.373	ug/l	77
52) 1,3-Dichloropropane	11.165	76	71117	23.864	ug/l	98
53) Dibromochloromethane	11.359	129	47263	23.878	ug/l	98
54) 1,2-Dibromoethane	11.471	107	40731	23.859	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	172499	153.529	ug/l	97
56) Bromoform	12.576	173	29864	23.749	ug/l #	98
58) 4-Methyl-2-Pentanone	10.441	43	295402	129.039	ug/l #	88
59) 2-Hexanone	11.194	43	219632	126.971	ug/l	88
61) Tetrachloroethene	11.100	164	35832	23.451	ug/l	92
62) Toluene	10.629	91	189328	22.815	ug/l	99
64) Chlorobenzene	11.894	112	115474	22.475	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	40699	22.739	ug/l	97
66) Ethyl Benzene	11.965	91	204193	21.638	ug/l	98
67) m/p-Xylenes	12.071	106	156341	45.030	ug/l	98
68) o-Xylene	12.400	106	71907	21.399	ug/l	95
69) Styrene	12.412	104	128979	22.717	ug/l	99
70) Isopropylbenzene	12.694	105	190289	21.459	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	58332	24.085	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	57479m	27.068	ug/l	
73) Bromobenzene	12.982	156	46942	23.047	ug/l	96
74) n-propylbenzene	13.035	91	238081	22.935	ug/l	100
75) 2-Chlorotoluene	13.123	91	145218	22.414	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	167535	22.618	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	19698	21.946	ug/l	94
78) 4-Chlorotoluene	13.218	91	150369	22.886	ug/l	100
79) tert-butylbenzene	13.435	119	137681	21.256	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	168650	22.531	ug/l	100
81) sec-Butylbenzene	13.618	105	197989	22.375	ug/l	100
82) p-Isopropyltoluene	13.729	119	165727	22.261	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	89460	22.821	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	85173	21.733	ug/l	98
85) n-Butylbenzene	14.053	91	148984	22.677	ug/l	98
86) Hexachloroethane	14.335	117	31047	22.006	ug/l	89
87) 1,2-Dichlorobenzene	14.106	146	84753	22.277	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11639	21.867	ug/l	91
89) 1,2,4-Trichlorobenzene	15.835	180	41722	20.017	ug/l	98
90) Hexachlorobutadiene	15.500	225	21187	24.559	ug/l	95
91) Naphthalene	15.641	128	127197	18.667	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	41722	20.017	ug/l	98

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

