

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084176.D
 Acq On : 26 Sep 2024 14:18
 Operator : JC\MD
 Sample : VN0926WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Manual Integrations
 APPROVED

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

Quant Time: Sep 27 01:09:22 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	27876	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	148697	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	138624	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72482	28.446	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.833%		
60) 4-Bromofluorobenzene	12.847	95	73114	30.602	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.000%		
63) Toluene-d8	10.565	98	198655	30.949	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.167%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	31878	17.076	ug/l	100
3) Chloromethane	2.359	50	36550	18.844	ug/l	96
4) Vinyl Chloride	2.518	62	35489	17.798	ug/l	93
5) Bromomethane	2.965	94	22882	20.539	ug/l	98
6) Chloroethane	3.124	64	23709m	17.756	ug/l	
7) Trichlorofluoromethane	3.500	101	57852	17.306	ug/l	94
8) Diethyl Ether	3.965	74	20830	18.338	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.371	101	32634	18.174	ug/l	97
10) 1,1-Dichloroethene	4.342	96	31324	18.080	ug/l	88
11) Methyl Iodide	4.589	142	36966	15.708	ug/l	97
12) Methyl Acetate	5.030	43	46842	22.418	ug/l #	82
13) Acrolein	4.177	56	33167	108.767	ug/l	98
14) Acrylonitrile	5.718	53	92319	109.180	ug/l	97
15) Acetone	4.424	58	27959	99.678	ug/l	78
16) Carbon Disulfide	4.712	76	86365	17.638	ug/l	99
17) Allyl chloride	5.024	41	50707	16.690	ug/l	89
18) Methylene Chloride	5.277	84	37000	19.520	ug/l	88
19) trans-1,2-Dichloroethene	5.789	96	32486	18.091	ug/l	95
20) Diisopropyl ether	6.677	45	117660	19.176	ug/l	95
21) 1,1-Dichloroethane	6.565	63	66000	18.840	ug/l	95
22) cis-1,2-Dichloroethene	7.488	96	39040	17.863	ug/l	91
23) tert-Butyl Alcohol	5.518	59	34710	111.864	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	110505	17.948	ug/l #	91
25) Chloroform	7.965	83	69468	18.712	ug/l	98
26) Cyclohexane	8.253	56	50232	16.281	ug/l #	87
29) 1,1-Dichloropropene	8.371	75	46170	19.576	ug/l	98
30) 2-Butanone	7.483	43	132050	118.773	ug/l #	91
31) 2,2-Dichloropropane	7.494	77	56671	18.847	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	60244	19.126	ug/l	97
33) Carbon Tetrachloride	8.359	117	51831	19.002	ug/l	93
34) Benzene	8.606	78	144418	20.408	ug/l	97
35) Methacrylonitrile	7.782	41	28017	22.417	ug/l	94
36) 1,2-Dichloroethane	8.671	62	52111	19.588	ug/l	97
37) Trichloroethene	9.353	130	33673	20.263	ug/l	93
38) Methylcyclohexane	9.600	83	48626	17.221	ug/l	95
39) 1,2-Dichloropropane	9.624	63	36812	21.614	ug/l	100
40) Dibromomethane	9.706	93	26386	21.188	ug/l	93
41) Bromodichloromethane	9.888	83	55219	20.852	ug/l	95
42) Vinyl Acetate	6.606	43	430773	94.238	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	49527	22.132	ug/l	100
44) Isopropyl Acetate	8.688	43	84053	21.716	ug/l	92
45) 1,4-Dioxane	9.694	88	13903	460.543	ug/l #	88
46) Methyl methacrylate	9.682	41	40111	21.411	ug/l	84
47) n-amyl Acetate	12.494	43	72390	21.114	ug/l	93
48) t-1,3-Dichloropropene	10.835	75	55571	19.950	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	59220	20.442	ug/l #	88
50) 1,1,2-Trichloroethane	11.018	97	34123	21.534	ug/l	96
51) Ethyl methacrylate	10.871	69	54331	20.068	ug/l	78
52) 1,3-Dichloropropane	11.165	76	60864	21.268	ug/l	100
53) Dibromochloromethane	11.359	129	41419	21.792	ug/l	96
54) 1,2-Dibromoethane	11.470	107	34730	21.185	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	128802	119.379	ug/l	97
56) Bromoform	12.576	173	25939	21.481	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	254209	115.652	ug/l #	88
59) 2-Hexanone	11.194	43	184712	111.214	ug/l #	90
61) Tetrachloroethene	11.106	164	29861	20.354	ug/l	92
62) Toluene	10.629	91	155822	19.556	ug/l	100
64) Chlorobenzene	11.888	112	96834	19.629	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	34265	19.939	ug/l	99
66) Ethyl Benzene	11.965	91	166424	18.367	ug/l	99
67) m/p-Xylenes	12.070	106	126947	38.081	ug/l	96
68) o-Xylene	12.400	106	60542	18.765	ug/l	98
69) Styrene	12.412	104	104560	19.180	ug/l	99
70) Isopropylbenzene	12.694	105	156500	18.381	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	51121	21.983	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	44448m	21.800	ug/l	
73) Bromobenzene	12.982	156	38978	19.931	ug/l	94
74) n-propylbenzene	13.035	91	191893	19.253	ug/l	100
75) 2-Chlorotoluene	13.123	91	121544	19.539	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	135076	18.992	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17963	20.843	ug/l	92
78) 4-Chlorotoluene	13.217	91	121910	19.324	ug/l	100
79) tert-butylbenzene	13.435	119	111592	17.943	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	139383	19.393	ug/l	100
81) sec-Butylbenzene	13.617	105	163346	19.226	ug/l	98
82) p-Isopropyltoluene	13.729	119	132860	18.586	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	72674	19.308	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	71387	18.971	ug/l	98
85) n-Butylbenzene	14.053	91	116326	18.441	ug/l	98
86) Hexachloroethane	14.335	117	24932	18.405	ug/l	88
87) 1,2-Dichlorobenzene	14.106	146	70697	19.354	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10322	20.197	ug/l	90
89) 1,2,4-Trichlorobenzene	15.841	180	34979	17.479	ug/l	99
90) Hexachlorobutadiene	15.500	225	16564	19.997	ug/l	97
91) Naphthalene	15.635	128	111872	17.099	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	34979	17.479	ug/l	99

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

