

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102324\
 Data File : VN084469.D
 Acq On : 23 Oct 2024 13:26
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/24/2024
 Supervised By : Mahesh Dadoda 10/24/2024

Quant Time: Oct 24 04:04:50 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	7.812	128	34138	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	175440	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	166908	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	83115	30.241	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.800%			
60) 4-Bromofluorobenzene	12.847	95	84319	30.609	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.033%			
63) Toluene-d8	10.565	98	243331	31.470	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	37255	17.874	ug/l	92
3) Chloromethane	2.365	50	41398	17.454	ug/l	99
4) Vinyl Chloride	2.512	62	42149	18.121	ug/l	99
5) Bromomethane	2.965	94	26716	17.336	ug/l	99
6) Chloroethane	3.124	64	27644	18.129	ug/l	94
7) Trichlorofluoromethane	3.501	101	71436	18.855	ug/l	96
8) Diethyl Ether	3.959	74	22048	15.829	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	41346	19.409	ug/l	98
10) 1,1-Dichloroethene	4.336	96	37150	17.477	ug/l	87
11) Methyl Iodide	4.589	142	47067	16.850	ug/l	95
12) Methyl Acetate	5.030	43	49154	18.472	ug/l	100
13) Acrolein	4.183	56	27443	55.516	ug/l	99
14) Acrylonitrile	5.724	53	98418	82.322	ug/l	99
15) Acetone	4.430	58	32398	94.865	ug/l	94
16) Carbon Disulfide	4.712	76	105376	16.648	ug/l	99
17) Allyl chloride	5.030	41	54481	15.811	ug/l	97
18) Methylene Chloride	5.277	84	44931	18.764	ug/l	97
19) trans-1,2-Dichloroethene	5.794	96	39500	17.558	ug/l	91
20) Diisopropyl ether	6.671	45	138664	18.717	ug/l #	97
21) 1,1-Dichloroethane	6.571	63	79550	18.713	ug/l	97
22) cis-1,2-Dichloroethene	7.488	96	47830	18.271	ug/l	98
23) tert-Butyl Alcohol	5.524	59	34588	75.425	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	121896	17.160	ug/l	97
25) Chloroform	7.965	83	84407	19.605	ug/l	96
26) Cyclohexane	8.259	56	58297	16.397	ug/l #	93
29) 1,1-Dichloropropene	8.371	75	54218	18.826	ug/l	97
30) 2-Butanone	7.483	43	137392	89.602	ug/l	100
31) 2,2-Dichloropropane	7.494	77	69693	20.593	ug/l #	83
32) 1,1,1-Trichloroethane	8.171	97	73706	20.022	ug/l	98
33) Carbon Tetrachloride	8.359	117	64520	20.231	ug/l	96
34) Benzene	8.606	78	180734	20.048	ug/l	99
35) Methacrylonitrile	7.783	41	30271	18.505	ug/l	96
36) 1,2-Dichloroethane	8.671	62	60289	20.063	ug/l	98
37) Trichloroethene	9.353	130	40374	19.449	ug/l	99
38) Methylcyclohexane	9.600	83	54803	17.324	ug/l	99
39) 1,2-Dichloropropane	9.618	63	44518	20.250	ug/l	98
40) Dibromomethane	9.706	93	31515	20.511	ug/l	97
41) Bromodichloromethane	9.888	83	67492	20.692	ug/l	95
42) Vinyl Acetate	6.606	43	435550	81.672	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	54041	17.870	ug/l	98
44) Isopropyl Acetate	8.688	43	88405	17.861	ug/l	99
45) 1,4-Dioxane	9.688	88	16447	368.605	ug/l	96
46) Methyl methacrylate	9.682	41	41083	17.179	ug/l	94
47) n-amyl Acetate	12.494	43	77378	17.575	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	61764	18.324	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	67468	19.099	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	42922	20.783	ug/l	98
51) Ethyl methacrylate	10.871	69	59699	17.501	ug/l	96
52) 1,3-Dichloropropane	11.165	76	71481	19.795	ug/l	98
53) Dibromochloromethane	11.359	129	49210	20.171	ug/l	97
54) 1,2-Dibromoethane	11.465	107	41272	19.415	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	157274	101.652	ug/l	98
56) Bromoform	12.576	173	31876	19.700	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	277527	89.259	ug/l	99
59) 2-Hexanone	11.194	43	204406	88.472	ug/l	98
61) Tetrachloroethene	11.100	164	37616	19.924	ug/l	97
62) Toluene	10.629	91	191153	19.563	ug/l	100
64) Chlorobenzene	11.888	112	115407	18.980	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	43197	20.449	ug/l	98
66) Ethyl Benzene	11.965	91	198241	18.674	ug/l	98
67) m/p-Xylenes	12.071	106	155839	38.697	ug/l	99
68) o-Xylene	12.400	106	72636	18.712	ug/l	99
69) Styrene	12.412	104	126935	19.049	ug/l	99
70) Isopropylbenzene	12.694	105	183946	18.562	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	59990	19.569	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	48710m	18.553	ug/l	
73) Bromobenzene	12.982	156	45610	19.005	ug/l	98
74) n-propylbenzene	13.035	91	224542	19.015	ug/l	100
75) 2-Chlorotoluene	13.123	91	138485	18.872	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	160452	19.230	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	19182	17.098	ug/l	96
78) 4-Chlorotoluene	13.218	91	143904	19.289	ug/l	99
79) tert-butylbenzene	13.435	119	131827	18.519	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	161851	19.118	ug/l	99
81) sec-Butylbenzene	13.617	105	184458	18.822	ug/l	100
82) p-Isopropyltoluene	13.729	119	151922	18.417	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	87202	19.541	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	83778	18.906	ug/l	98
85) n-Butylbenzene	14.059	91	120971	16.932	ug/l	100
86) Hexachloroethane	14.335	117	30310	19.072	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	83265	19.299	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10457	16.680	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	36031	16.062	ug/l	99
90) Hexachlorobutadiene	15.500	225	17891	17.240	ug/l	98
91) Naphthalene	15.641	128	104973	13.809	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	36031	16.062	ug/l	99

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

