

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085121.D
 Acq On : 06 Dec 2024 11:37
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024

Quant Time: Dec 06 22:31:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:19:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	29869	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	165478	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	154258	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72104	30.424	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.400%			
60) 4-Bromofluorobenzene	12.847	95	77038	30.183	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.600%			
63) Toluene-d8	10.565	98	210929	29.150	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.167%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	382696	160.147	ug/l	100
3) Chloromethane	2.359	50	336891	159.276	ug/l	96
4) Vinyl Chloride	2.512	62	337908	156.192	ug/l	98
5) Bromomethane	2.930	94	203330	148.033	ug/l	96
6) Chloroethane	3.106	64	209222	157.410	ug/l	100
7) Trichlorofluoromethane	3.489	101	564698	159.461	ug/l	98
8) Diethyl Ether	3.959	74	189430	168.881	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	311182	157.134	ug/l	98
10) 1,1-Dichloroethene	4.336	96	297605	163.607	ug/l	94
11) Methyl Iodide	4.589	142	437650	173.477	ug/l	96
12) Methyl Acetate	5.018	43	348950	162.608	ug/l	95
13) Acrolein	4.171	56	272433	873.598	ug/l	94
14) Acrylonitrile	5.712	53	742116	832.848	ug/l	97
15) Acetone	4.424	58	196952	815.641	ug/l	97
16) Carbon Disulfide	4.712	76	864628	159.023	ug/l	100
17) Allyl chloride	5.018	41	433507	166.552	ug/l	91
18) Methylene Chloride	5.271	84	313694	151.985	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	302760	160.130	ug/l	92
20) Diisopropyl ether	6.665	45	921058	161.244	ug/l	99
21) 1,1-Dichloroethane	6.565	63	551498	156.428	ug/l #	98
22) cis-1,2-Dichloroethene	7.483	96	353328	162.585	ug/l	99
23) tert-Butyl Alcohol	5.518	59	276979	866.490	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	971837m	171.143	ug/l	
25) Chloroform	7.965	83	569561	154.206	ug/l	96
26) Cyclohexane	8.253	56	483028	166.394	ug/l #	93
29) 1,1-Dichloropropene	8.371	75	418388	156.686	ug/l	99
30) 2-Butanone	7.477	43	967143	789.269	ug/l	99
31) 2,2-Dichloropropane	7.488	77	524946	153.308	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	539832	149.363	ug/l	99
33) Carbon Tetrachloride	8.359	117	490377	150.360	ug/l	96
34) Benzene	8.600	78	1259887	150.194	ug/l	97
35) Methacrylonitrile	7.777	41	215224	156.078	ug/l	95
36) 1,2-Dichloroethane	8.665	62	422140	147.830	ug/l	99
37) Trichloroethene	9.347	130	306812	153.593	ug/l	94
38) Methylcyclohexane	9.600	83	490389	168.903	ug/l	93
39) 1,2-Dichloropropane	9.618	63	304138	149.691	ug/l	95
40) Dibromomethane	9.706	93	218470	149.905	ug/l	98
41) Bromodichloromethane	9.888	83	469670	150.750	ug/l	96
42) Vinyl Acetate	6.600	43	3493830	814.821	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	382630	156.937	ug/l	96
44) Isopropyl Acetate	8.688	43	672392	158.696	ug/l	99
45) 1,4-Dioxane	9.694	88	111218	3147.777	ug/l	96
46) Methyl methacrylate	9.677	41	320862	165.471	ug/l	97
47) n-amyl Acetate	12.494	43	592642	166.246	ug/l	92
48) t-1,3-Dichloropropene	10.835	75	499133	163.202	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	525997	157.986	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	289001	147.159	ug/l	94
51) Ethyl methacrylate	10.871	69	506274	169.495	ug/l	96
52) 1,3-Dichloropropane	11.159	76	501665	152.638	ug/l	99
53) Dibromochloromethane	11.359	129	362326	151.395	ug/l	96
54) 1,2-Dibromoethane	11.471	107	305232	154.261	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	1112538	801.795	ug/l	99
56) Bromoform	12.576	173	249601	155.551	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	1988082	789.691	ug/l	98
59) 2-Hexanone	11.194	43	1508817	790.966	ug/l	98
61) Tetrachloroethene	11.100	164	270825	144.976	ug/l	96
62) Toluene	10.629	91	1370241	152.311	ug/l	100
64) Chlorobenzene	11.888	112	858494	154.562	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	311301	150.134	ug/l	98
66) Ethyl Benzene	11.959	91	1573924	164.874	ug/l	98
67) m/p-Xylenes	12.071	106	1195807	325.683	ug/l	99
68) o-Xylene	12.394	106	562377	163.091	ug/l	100
69) Styrene	12.406	104	976478	166.883	ug/l	99
70) Isopropylbenzene	12.694	105	1467994	165.057	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	401707	148.393	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	386819m	144.654	ug/l	
73) Bromobenzene	12.976	156	347939	156.185	ug/l	99
74) n-propylbenzene	13.035	91	1746230	163.317	ug/l	99
75) 2-Chlorotoluene	13.123	91	1057392	159.945	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	1241282	162.904	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	163318	168.075	ug/l	94
78) 4-Chlorotoluene	13.218	91	1062762	158.383	ug/l	99
79) tert-butylbenzene	13.435	119	1033507	165.137	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	1230594	163.500	ug/l	100
81) sec-Butylbenzene	13.612	105	1466428	164.927	ug/l	98
82) p-Isopropyltoluene	13.729	119	1249133	169.455	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	629183	153.943	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	630821	158.368	ug/l	99
85) n-Butylbenzene	14.053	91	1076317	174.069	ug/l	98
86) Hexachloroethane	14.329	117	234799	160.002	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	591716	153.379	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	89112	164.781	ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	332292	175.876	ug/l	98
90) Hexachlorobutadiene	15.500	225	150844	153.643	ug/l	98
91) Naphthalene	15.635	128	1116289	190.174	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	332292	175.876	ug/l	98

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

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