

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
 Data File : VN084626.D
 Acq On : 31 Oct 2024 18:13
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 02:50:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	33386	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	180797	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	167444	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	79796	29.730	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.100%		
60) 4-Bromofluorobenzene	12.847	95	85904	29.796	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.333%		
63) Toluene-d8	10.565	98	234860	29.628	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.767%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	34091	17.556	ug/l	91
3) Chloromethane	2.365	50	41711	17.841	ug/l	96
4) Vinyl Chloride	2.512	62	38348	17.664	ug/l	95
5) Bromomethane	2.901	94	18962	17.209	ug/l	98
6) Chloroethane	3.077	64	24702	17.330	ug/l	97
7) Trichlorofluoromethane	3.465	101	62898	17.840	ug/l	98
8) Diethyl Ether	3.948	74	22752m	18.092	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.353	101	35326	17.730	ug/l	96
10) 1,1-Dichloroethene	4.324	96	34441	17.701	ug/l	95
11) Methyl Iodide	4.577	142	48550	18.155	ug/l	97
12) Methyl Acetate	5.024	43	52855	17.428	ug/l	99
13) Acrolein	4.171	56	36002	96.263	ug/l	99
14) Acrylonitrile	5.724	53	91984	92.711	ug/l	97
15) Acetone	4.430	58	22216	87.145	ug/l	91
16) Carbon Disulfide	4.700	76	100139	17.491	ug/l	98
17) Allyl chloride	5.012	41	57804m	17.435	ug/l	
18) Methylene Chloride	5.271	84	40869	17.925	ug/l	94
19) trans-1,2-Dichloroethene	5.777	96	35590m	17.451	ug/l	
20) Diisopropyl ether	6.665	45	119593	18.019	ug/l	97
21) 1,1-Dichloroethane	6.559	63	70526	17.670	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	43468	17.853	ug/l	94
23) tert-Butyl Alcohol	5.542	59	27058m	78.117	ug/l	
24) Methyl tert-Butyl Ether	5.795	73	113042	17.966	ug/l	98
25) Chloroform	7.965	83	73933	18.080	ug/l	95
26) Cyclohexane	8.253	56	52368	17.177	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	47427	17.416	ug/l	98
30) 2-Butanone	7.483	43	114532	91.177	ug/l	99
31) 2,2-Dichloropropane	7.483	77	56622	17.033	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	65592	17.729	ug/l	100
33) Carbon Tetrachloride	8.359	117	54736	17.338	ug/l	98
34) Benzene	8.606	78	160072	17.784	ug/l	98
35) Methacrylonitrile	7.777	41	26874	18.051	ug/l	97
36) 1,2-Dichloroethane	8.671	62	55454	18.526	ug/l	98
37) Trichloroethene	9.347	130	35392	17.430	ug/l	94
38) Methylcyclohexane	9.600	83	46659	15.916	ug/l	97
39) 1,2-Dichloropropane	9.618	63	38509	17.773	ug/l	94
40) Dibromomethane	9.712	93	27388	18.068	ug/l	98
41) Bromodichloromethane	9.888	83	57540	17.707	ug/l	97
42) Vinyl Acetate	6.600	43	415167	88.421	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	49573	18.781	ug/l	100
44) Isopropyl Acetate	8.688	43	83008	15.531	ug/l	95
45) 1,4-Dioxane	9.700	88	12745	357.179	ug/l	94
46) Methyl methacrylate	9.683	41	39256	18.277	ug/l	93
47) n-amyl Acetate	12.494	43	75378	18.884	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	54831	17.088	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	60066	17.467	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	36926	18.161	ug/l	93
51) Ethyl methacrylate	10.877	69	57674	18.402	ug/l	94
52) 1,3-Dichloropropane	11.159	76	63826	18.085	ug/l	98
53) Dibromochloromethane	11.359	129	43186	18.150	ug/l	98
54) 1,2-Dibromoethane	11.471	107	37194	18.087	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	158226	102.975	ug/l	99
56) Bromoform	12.576	173	27660	17.343	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	251373	95.159	ug/l	99
59) 2-Hexanone	11.194	43	179869	92.986	ug/l	100
61) Tetrachloroethene	11.100	164	32816	18.726	ug/l	98
62) Toluene	10.630	91	168896	17.710	ug/l	98
64) Chlorobenzene	11.888	112	104879	18.217	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	38129	18.020	ug/l	99
66) Ethyl Benzene	11.965	91	172300	17.191	ug/l	95
67) m/p-Xylenes	12.071	106	134720	35.109	ug/l	99
68) o-Xylene	12.394	106	66220	17.890	ug/l	98
69) Styrene	12.412	104	109955	17.717	ug/l	99
70) Isopropylbenzene	12.694	105	160490	17.454	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	55603	18.656	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	46410m	18.236	ug/l	
73) Bromobenzene	12.982	156	41658	17.566	ug/l	98
74) n-propylbenzene	13.035	91	185339	17.237	ug/l	100
75) 2-Chlorotoluene	13.123	91	123232	17.599	ug/l	96
76) 1,3,5-Trimethylbenzene	13.171	105	138042	17.571	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18371	17.601	ug/l	99
78) 4-Chlorotoluene	13.218	91	123365	17.438	ug/l	100
79) tert-butylbenzene	13.435	119	116449	17.923	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	142028	17.920	ug/l	98
81) sec-Butylbenzene	13.618	105	154082	17.211	ug/l	99
82) p-Isopropyltoluene	13.729	119	128271	17.052	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	76754	17.500	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	75499	17.420	ug/l	99
85) n-Butylbenzene	14.053	91	102140	16.167	ug/l	97
86) Hexachloroethane	14.335	117	26584	17.280	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	77338	17.894	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11153	19.394	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	34231	16.266	ug/l	93
90) Hexachlorobutadiene	15.500	225	15440	16.796	ug/l	96
91) Naphthalene	15.641	128	113480	16.885	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	34231	16.266	ug/l	93

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

