

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080670.D
 Acq On : 11 Jan 2024 11:40
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 12 04:41:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 04:36:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	14232	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	127169	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	138987	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	70192	30.541	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.800%
60) 4-Bromofluorobenzene	12.847	95	93065	30.269	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.900%
63) Toluene-d8	10.570	98	186344	30.549	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.833%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	24059	9.946	ug/l	97
3) Chloromethane	2.359	50	33716	10.233	ug/l	95
4) Vinyl Chloride	2.512	62	25811	10.298	ug/l	# 88
5) Bromomethane	2.965	94	9720	10.561	ug/l	89
6) Chloroethane	3.124	64	14013	10.341	ug/l	96
7) Trichlorofluoromethane	3.494	101	37164	9.925	ug/l	87
8) Diethyl Ether	3.953	74	18605m	11.301	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.371	101	21509	9.968	ug/l	84
10) 1,1-Dichloroethene	4.341	96	24137	10.393	ug/l	85
11) Methyl Iodide	4.594	142	20017m	10.125	ug/l	
12) Methyl Acetate	5.030	43	28894	10.537	ug/l	# 76
13) Acrolein	4.183	56	17144m	46.920	ug/l	
14) Acrylonitrile	5.718	53	65118	52.697	ug/l	98
15) Acetone	4.430	58	14695m	52.445	ug/l	
16) Carbon Disulfide	4.718	76	74372	10.357	ug/l	96
17) Allyl chloride	5.018	41	46193	9.766	ug/l	82
18) Methylene Chloride	5.283	84	27515m	10.216	ug/l	
19) trans-1,2-Dichloroethene	5.777	96	24997	10.258	ug/l	# 89
20) Diisopropyl ether	6.671	45	98067	10.307	ug/l	94
21) 1,1-Dichloroethane	6.571	63	52607	10.174	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	30471m	10.684	ug/l	
23) tert-Butyl Alcohol	5.506	59	22286	52.281	ug/l	# 100
24) Methyl tert-Butyl Ether	5.788	73	84751	10.111	ug/l	# 82
25) Chloroform	7.965	83	48177	10.008	ug/l	87
26) Cyclohexane	8.253	56	40556	9.974	ug/l	# 90
29) 1,1-Dichloropropene	8.365	75	37522	9.706	ug/l	97
30) 2-Butanone	7.482	43	83880	49.036	ug/l	93
31) 2,2-Dichloropropane	7.488	77	44683	9.622	ug/l	# 77
32) 1,1,1-Trichloroethane	8.171	97	40483	9.517	ug/l	# 92
33) Carbon Tetrachloride	8.365	117	31968	9.516	ug/l	89
34) Benzene	8.606	78	114350	9.973	ug/l	96
35) Methacrylonitrile	7.771	41	20707	9.647	ug/l	82
36) 1,2-Dichloroethane	8.671	62	40258	9.549	ug/l	97
37) Trichloroethene	9.347	130	24677	9.868	ug/l	90
38) Methylcyclohexane	9.600	83	36887	9.795	ug/l	91
39) 1,2-Dichloropropane	9.618	63	31397	10.159	ug/l	93
40) Dibromomethane	9.706	93	18101	9.844	ug/l	85
41) Bromodichloromethane	9.888	83	38656	9.606	ug/l	# 89
42) Vinyl Acetate	6.600	43	397907	50.049	ug/l	# 93

01/12/2024
 Supervised By :Semsettin
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01/12/2024

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QLast Update : Fri Jan 12 04:36:53 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.553	43	34154	9.508	ug/l	#	83
44) Isopropyl Acetate	8.688	43	67092	9.785	ug/l		89
45) 1,4-Dioxane	9.694	88	8084	207.300	ug/l		89
46) Methyl methacrylate	9.682	41	32295	10.002	ug/l		84
47) n-amyl Acetate	12.494	43	60018m	9.763	ug/l		
48) t-1,3-Dichloropropene	10.841	75	44911	9.472	ug/l		97
49) cis-1,3-Dichloropropene	10.318	75	49171	9.771	ug/l	#	85
50) 1,1,2-Trichloroethane	11.018	97	25064	9.925	ug/l		98
51) Ethyl methacrylate	10.876	69	43661	10.001	ug/l		74
52) 1,3-Dichloropropane	11.165	76	45007	9.467	ug/l		100
53) Dibromochloromethane	11.359	129	25085	9.927	ug/l		99
54) 1,2-Dibromoethane	11.470	107	23947	9.647	ug/l		97
55) 2-Chloroethyl vinyl ether	10.159	63	115292	51.382	ug/l		94
56) Bromoform	12.582	173	14785	9.904	ug/l		95
58) 4-Methyl-2-Pentanone	10.447	43	186317	50.959	ug/l	#	86
59) 2-Hexanone	11.194	43	140430m	51.443	ug/l		
61) Tetrachloroethene	11.100	164	17269	9.334	ug/l		87
62) Toluene	10.635	91	113363	10.141	ug/l		100
64) Chlorobenzene	11.894	112	61714	9.912	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.964	131	22880	10.227	ug/l		95
66) Ethyl Benzene	11.964	91	118349	10.066	ug/l		93
67) m/p-Xylenes	12.070	106	84714	20.046	ug/l		94
68) o-Xylene	12.394	106	41649	9.882	ug/l		91
69) Styrene	12.412	104	72332	10.216	ug/l		98
70) Isopropylbenzene	12.700	105	101919	9.895	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.941	83	34665	10.310	ug/l		96
72) 1,2,3-Trichloropropane	12.994	75	30717m	9.299	ug/l		
73) Bromobenzene	12.982	156	22034	10.036	ug/l		77
74) n-propylbenzene	13.035	91	120538	9.703	ug/l		98
75) 2-Chlorotoluene	13.123	91	76136	9.746	ug/l		97
76) 1,3,5-Trimethylbenzene	13.176	105	86638	10.106	ug/l		93
77) t-1,4-Dichloro-2-butene	12.735	75	12229	9.361	ug/l		96
78) 4-Chlorotoluene	13.223	91	78609	10.066	ug/l		96
79) tert-butylbenzene	13.441	119	67598	10.102	ug/l		97
80) 1,2,4-Trimethylbenzene	13.482	105	83295	9.931	ug/l		97
81) sec-Butylbenzene	13.617	105	98880	10.037	ug/l		96
82) p-Isopropyltoluene	13.729	119	74004	9.851	ug/l		94
83) 1,3-Dichlorobenzene	13.729	146	38844	10.198	ug/l		97
84) 1,4-Dichlorobenzene	13.811	146	38579	10.059	ug/l		96
85) n-Butylbenzene	14.058	91	72077	9.710	ug/l		95
86) Hexachloroethane	14.335	117	12834	9.085	ug/l		80
87) 1,2-Dichlorobenzene	14.106	146	37439	10.020	ug/l		95
88) 1,2-Dibromo-3-Chloropr...	14.717	75	6873	9.818	ug/l	#	73
89) 1,2,4-Trichlorobenzene	15.841	180	18985	10.130	ug/l		98
90) Hexachlorobutadiene	15.505	225	9399	10.946	ug/l		95
91) Naphthalene	15.641	128	71891	9.840	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	18985	10.130	ug/l		98

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

