

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092722\
 Data File : VN074622.D
 Acq On : 27 Sep 2022 12:04
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Sep 28 07:18:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 28 07:17:56 2022
 Response via : Initial Calibration

09/28/2022
 Supervised By :Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	D
-----							05
Internal Standards							
1) Bromochloromethane	7.492	128	146010	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	8.822	114	867898	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.616	117	773257	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.286	65	416757	30.272	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.900%	
60) 4-Bromofluorobenzene	12.604	95	399584	26.603	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.667%	
63) Toluene-d8	10.310	98	1335185	30.612	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.033%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.999	85	51980	6.058	ug/l		97
3) Chloromethane	2.216	50	73246	5.813	ug/l		98
4) Vinyl Chloride	2.357	62	89153	5.526	ug/l		92
5) Bromomethane	2.716	94	65448	6.294	ug/l		87
6) Chloroethane	2.881	64	68731	6.027	ug/l		90
7) Trichlorofluoromethane	3.240	101	86401	5.766	ug/l		93
8) Diethyl Ether	3.681	74	46548	5.890	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.051	101	57932m	6.114	ug/l		
10) 1,1-Dichloroethene	4.022	96	59429	6.018	ug/l		85
11) Methyl Iodide	4.251	142	63232	4.984	ug/l		98
12) Methyl Acetate	4.663	43	114426	5.396	ug/l		97
13) Acrolein	3.887	56	43841	25.392	ug/l		94
14) Acrylonitrile	5.357	53	212177	24.691	ug/l		72
15) Acetone	4.128	58	60103m	27.167	ug/l		
16) Carbon Disulfide	4.346	76	157952	5.674	ug/l #		95
17) Allyl chloride	4.646	41	104700	5.171	ug/l		98
18) Methylene Chloride	4.898	84	71329	5.649	ug/l #		94
19) trans-1,2-Dichloroethene	5.398	96	65023m	5.800	ug/l		
20) Diisopropyl ether	6.298	45	235489	5.330	ug/l #		96
21) 1,1-Dichloroethane	6.187	63	116602	5.226	ug/l #		91
22) cis-1,2-Dichloroethene	7.139	96	78433m	5.765	ug/l		
23) tert-Butyl Alcohol	5.169	59	88663m	25.038	ug/l		
24) Methyl tert-Butyl Ether	5.410	73	209781	5.111	ug/l		100
25) Chloroform	7.657	83	119270	5.392	ug/l		90
26) Cyclohexane	7.928	56	111544	5.560	ug/l #		96
29) 1,1-Dichloropropene	8.069	75	87112	5.374	ug/l		83
30) 2-Butanone	7.163	43	309957	25.062	ug/l		98
31) 2,2-Dichloropropane	7.145	77	102731m	5.289	ug/l		
32) 1,1,1-Trichloroethane	7.857	97	101512	5.301	ug/l		98
33) Carbon Tetrachloride	8.045	117	83507m	5.214	ug/l		
34) Benzene	8.310	78	285599	5.322	ug/l		96
35) Methacrylonitrile	7.475	41	57934	4.924	ug/l		83
36) 1,2-Dichloroethane	8.381	62	89162	5.088	ug/l		96
37) Trichloroethene	9.075	130	58471	5.131	ug/l		97
38) Methylcyclohexane	9.322	83	119718	5.706	ug/l		95
39) 1,2-Dichloropropane	9.351	63	75412	5.308	ug/l #		81
40) Dibromomethane	9.439	93	46626	5.086	ug/l		97
41) Bromodichloromethane	9.628	83	94648	5.194	ug/l #		92
42) Vinyl Acetate	6.239	43	997238	24.814	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.239	43	121839	5.086	ug/l	94
44) Isopropyl Acetate	8.410	43	194104	4.990	ug/l	92
45) 1,4-Dioxane	9.439	88	28829	86.850	ug/l #	81
46) Methyl methacrylate	9.422	41	79058	4.880	ug/l	95
47) n-amyl Acetate	12.269	43	156393	4.393	ug/l	94
48) t-1,3-Dichloropropene	10.592	75	111832	5.055	ug/l	91
49) cis-1,3-Dichloropropene	10.057	75	119633	5.196	ug/l	93
50) 1,1,2-Trichloroethane	10.769	97	65793	4.936	ug/l	93
51) Ethyl methacrylate	10.633	69	123799	4.954	ug/l	92
52) 1,3-Dichloropropane	10.922	76	123117	5.212	ug/l	98
53) Dibromochloromethane	11.110	129	67493	4.791	ug/l	97
54) 1,2-Dibromoethane	11.216	107	68077	4.937	ug/l	97
55) 2-Chloroethyl vinyl ether	9.910	63	225583	23.259	ug/l	98
56) Bromoform	12.333	173	45622	4.143	ug/l	98
58) 4-Methyl-2-Pentanone	10.204	43	615495	25.649	ug/l	99
59) 2-Hexanone	10.963	43	455416	24.503	ug/l	99
61) Tetrachloroethene	10.845	164	51031	5.916	ug/l	93
62) Toluene	10.375	91	295419	5.217	ug/l	99
64) Chlorobenzene	11.639	112	167542	5.164	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.722	131	62536	5.130	ug/l	97
66) Ethyl Benzene	11.722	91	311093	5.174	ug/l	97
67) m/p-Xylenes	11.827	106	237951	9.857	ug/l	96
68) o-Xylene	12.157	106	121629	4.948	ug/l	96
69) Styrene	12.169	104	181082	4.379	ug/l	97
70) Isopropylbenzene	12.457	105	291425	4.647	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.704	83	111770	5.021	ug/l	97
72) 1,2,3-Trichloropropane	12.757	75	78719m	2.926	ug/l	
73) Bromobenzene	12.733	156	57697	4.579	ug/l	88
74) n-propylbenzene	12.798	91	322187	4.560	ug/l	100
75) 2-Chlorotoluene	12.880	91	198652	4.635	ug/l	97
76) 1,3,5-Trimethylbenzene	12.939	105	234448	4.434	ug/l	99
77) t-1,4-Dichloro-2-butene	12.504	75	38157	4.372	ug/l	88
78) 4-Chlorotoluene	12.980	91	182805	4.256	ug/l	98
79) tert-butylbenzene	13.198	119	209880	4.537	ug/l	98
80) 1,2,4-Trimethylbenzene	13.245	105	230648	4.417	ug/l	98
81) sec-Butylbenzene	13.380	105	285635	4.364	ug/l	99
82) p-Isopropyltoluene	13.492	119	223604	4.151	ug/l	99
83) 1,3-Dichlorobenzene	13.492	146	104511	4.036	ug/l	96
84) 1,4-Dichlorobenzene	13.574	146	103660	4.025	ug/l	98
85) n-Butylbenzene	13.821	91	198288	4.314	ug/l	97
86) Hexachloroethane	14.080	117	50999	4.915	ug/l	99
87) 1,2-Dichlorobenzene	13.863	146	110722	4.180	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.474	75	20838	4.470	ug/l	98
89) 1,2,4-Trichlorobenzene	15.127	180	47230	4.275	ug/l	98
90) Hexachlorobutadiene	15.233	225	23606	4.850	ug/l	92
91) Naphthalene	15.368	128	178347	3.848	ug/l	98
92) 1,2,3-Trichlorobenzene	15.557	180	46793	4.225	ug/l	98

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

