

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN079988.D
 Acq On : 08 Nov 2023 13:09
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 09 03:44:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 08 15:03:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	81591	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	460335	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	420437	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	203909	29.772	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.233%
60) 4-Bromofluorobenzene	12.853	95	210117	31.251	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.167%
63) Toluene-d8	10.571	98	600602	30.149	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	281161	52.851	ug/l	98
3) Chloromethane	2.359	50	335333	50.036	ug/l	98
4) Vinyl Chloride	2.512	62	274696	49.049	ug/l	98
5) Bromomethane	2.953	94	159351	51.968	ug/l	94
6) Chloroethane	3.118	64	187632	57.500	ug/l	93
7) Trichlorofluoromethane	3.500	101	441278	52.502	ug/l	98
8) Diethyl Ether	3.965	74	160742	53.274	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	246757	51.965	ug/l	98
10) 1,1-Dichloroethene	4.342	96	235162	55.980	ug/l	96
11) Methyl Iodide	4.589	142	308336	55.493	ug/l	98
12) Methyl Acetate	5.024	43	557111	51.153	ug/l	98
13) Acrolein	4.177	56	234146	254.461	ug/l	99
14) Acrylonitrile	5.718	53	676800	261.635	ug/l	98
15) Acetone	4.424	58	244008	279.359	ug/l	86
16) Carbon Disulfide	4.712	76	716340	49.939	ug/l	100
17) Allyl chloride	5.024	41	395440	53.872	ug/l	97
18) Methylene Chloride	5.283	84	285093	50.607	ug/l	97
19) trans-1,2-Dichloroethene	5.789	96	267765	51.424	ug/l	98
20) Diisopropyl ether	6.677	45	915712	53.382	ug/l	98
21) 1,1-Dichloroethane	6.571	63	527469	51.515	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	310398	51.370	ug/l	98
23) tert-Butyl Alcohol	5.524	59	179160	272.953	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	823478	53.239	ug/l	98
25) Chloroform	7.971	83	534974	50.615	ug/l	94
26) Cyclohexane	8.259	56	436646	54.207	ug/l #	99
29) 1,1-Dichloropropene	8.377	75	407177	51.538	ug/l	99
30) 2-Butanone	7.488	43	982032	260.272	ug/l	99
31) 2,2-Dichloropropane	7.494	77	442920	51.870	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	458631	50.850	ug/l	100
33) Carbon Tetrachloride	8.365	117	404456	51.019	ug/l	97
34) Benzene	8.612	78	1193561	50.856	ug/l	96
35) Methacrylonitrile	7.777	41	200958	50.801	ug/l	96
36) 1,2-Dichloroethane	8.677	62	425118	50.051	ug/l	99
37) Trichloroethene	9.353	130	285762	50.630	ug/l	98
38) Methylcyclohexane	9.606	83	406891	54.850	ug/l	98
39) 1,2-Dichloropropane	9.624	63	313372	50.447	ug/l	96
40) Dibromomethane	9.712	93	204618	50.959	ug/l	98
41) Bromodichloromethane	9.894	83	420789	50.598	ug/l	98
42) Vinyl Acetate	6.606	43	2517895	268.662	ug/l	99

11/09/2023
 Supervised By :Semsettin
 Cesilyurt

11/09/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.565	43	355290	50.126	ug/l	97	11/09/2023
44) Isopropyl Acetate	8.694	43	602896	52.202	ug/l	95	Supervised By :Semsettin Yesilyurt
45) 1,4-Dioxane	9.700	88	92044	1034.159	ug/l #	96	
46) Methyl methacrylate	9.682	41	302916	54.562	ug/l	92	
47) n-amyl Acetate	12.494	43	523170	56.395	ug/l	99	
48) t-1,3-Dichloropropene	10.841	75	457885	53.912	ug/l	99	
49) cis-1,3-Dichloropropene	10.318	75	492117	52.414	ug/l	96	11/09/2023
50) 1,1,2-Trichloroethane	11.018	97	275931	50.377	ug/l	93	
51) Ethyl methacrylate	10.876	69	431640	54.827	ug/l	93	
52) 1,3-Dichloropropane	11.165	76	500610	51.122	ug/l	100	
53) Dibromochloromethane	11.359	129	300956	51.361	ug/l	100	
54) 1,2-Dibromoethane	11.470	107	282365	51.339	ug/l	98	
55) 2-Chloroethyl vinyl ether	10.165	63	984960	272.019	ug/l	99	
56) Bromoform	12.582	173	201559	52.493	ug/l	99	
58) 4-Methyl-2-Pentanone	10.447	43	1862121	265.106	ug/l	97	
59) 2-Hexanone	11.200	43	1449104	270.823	ug/l	96	
61) Tetrachloroethene	11.106	164	246687	50.046	ug/l	94	
62) Toluene	10.635	91	1260681	51.844	ug/l	98	
64) Chlorobenzene	11.894	112	747509	51.512	ug/l	93	
65) 1,1,1,2-Tetrachloroethane	11.965	131	276086	51.865	ug/l	97	
66) Ethyl Benzene	11.965	91	1382397	54.100	ug/l	99	
67) m/p-Xylenes	12.076	106	1039594	109.278	ug/l	94	
68) o-Xylene	12.400	106	501695	55.019	ug/l	97	
69) Styrene	12.412	104	845081	55.985	ug/l	98	
70) Isopropylbenzene	12.700	105	1262419	55.503	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	12.941	83	397748	51.342	ug/l	100	
72) 1,2,3-Trichloropropane	12.994	75	369926m	37.277	ug/l		
73) Bromobenzene	12.982	156	299493	53.560	ug/l	96	
74) n-propylbenzene	13.041	91	1517460	55.769	ug/l	98	
75) 2-Chlorotoluene	13.129	91	932871	53.938	ug/l	99	
76) 1,3,5-Trimethylbenzene	13.176	105	1049498	55.787	ug/l	99	
77) t-1,4-Dichloro-2-butene	12.741	75	132572	56.247	ug/l	96	
78) 4-Chlorotoluene	13.223	91	935892	54.485	ug/l	99	
79) tert-butylbenzene	13.441	119	825685	56.043	ug/l	100	
80) 1,2,4-Trimethylbenzene	13.482	105	1039776	56.365	ug/l	100	
81) sec-Butylbenzene	13.617	105	1168417	56.182	ug/l	99	
82) p-Isopropyltoluene	13.729	119	975111	57.733	ug/l	99	
83) 1,3-Dichlorobenzene	13.735	146	542135	53.207	ug/l	99	
84) 1,4-Dichlorobenzene	13.817	146	532634	53.258	ug/l	99	
85) n-Butylbenzene	14.059	91	833442	59.000	ug/l	97	
86) Hexachloroethane	14.335	117	175324	53.382	ug/l	95	
87) 1,2-Dichlorobenzene	14.111	146	519759	53.394	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.723	75	75937	53.601	ug/l	97	
89) 1,2,4-Trichlorobenzene	15.841	180	250981	55.654	ug/l	98	
90) Hexachlorobutadiene	15.506	225	119250	53.655	ug/l	99	
91) Naphthalene	15.647	128	842348	58.205	ug/l	98	
92) 1,2,3-Trichlorobenzene	15.841	180	250981	55.654	ug/l	98	

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

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