

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032322\
 Data File : VN071508.D
 Acq On : 23 Mar 2022 17:07
 Operator : JC\MD
 Sample : VN0323WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: Mar 24 02:47:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:37:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	115777	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	619907	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	555515	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	247483	26.924	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.733%#
60) 4-Bromofluorobenzene	12.727	95	245653	28.623	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.400%
63) Toluene-d8	10.439	98	777626	30.430	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	131125	17.516	ug/l	99
3) Chloromethane	2.299	50	151606	15.180	ug/l	98
4) Vinyl Chloride	2.440	62	168731	18.397	ug/l	95
5) Bromomethane	2.851	94	116484	25.341	ug/l	97
6) Chloroethane	3.016	64	106733	19.122	ug/l	96
7) Trichlorofluoromethane	3.375	101	197751	17.096	ug/l	97
8) Diethyl Ether	3.828	74	84846	16.888	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.216	101	120307	18.496	ug/l #	65
10) 1,1-Dichloroethene	4.187	96	117911	17.813	ug/l	93
11) Methyl Iodide	4.428	142	168930	18.534	ug/l	85
12) Methyl Acetate	4.851	43	178783	14.113	ug/l	96
13) Acrolein	4.040	56	101107	60.873	ug/l	98
14) Acrylonitrile	5.551	53	402031	76.123	ug/l	98
15) Acetone	4.281	58	107481	77.418	ug/l	89
16) Carbon Disulfide	4.534	76	288983	16.144	ug/l	99
17) Allyl chloride	4.845	41	188690	13.833	ug/l	84
18) Methylene Chloride	5.098	84	144459	17.899	ug/l	97
19) trans-1,2-Dichloroethene	5.592	96	125891	18.096	ug/l	100
20) Diisopropyl ether	6.492	45	411583	14.992	ug/l	94
21) 1,1-Dichloroethane	6.386	63	240567	16.467	ug/l	97
22) cis-1,2-Dichloroethene	7.316	96	153085	18.154	ug/l	97
23) tert-Butyl Alcohol	5.357	59	140089	71.711	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	442038	17.497	ug/l	92
25) Chloroform	7.816	83	246251	17.551	ug/l	97
26) Cyclohexane	8.092	56	206032	15.580	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	178205	17.862	ug/l	99
30) 2-Butanone	7.328	43	523870	74.160	ug/l	98
31) 2,2-Dichloropropane	7.322	77	200154	21.402	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	205832	17.693	ug/l	98
33) Carbon Tetrachloride	8.204	117	171481	17.336	ug/l	98
34) Benzene	8.457	78	564057	18.266	ug/l	99
35) Methacrylonitrile	7.628	41	107784	15.748	ug/l	96
36) 1,2-Dichloroethane	8.528	62	199946	18.131	ug/l	95
37) Trichloroethene	9.216	130	143841	19.548	ug/l	98
38) Methylcyclohexane	9.457	83	225726	18.853	ug/l	98
39) 1,2-Dichloropropane	9.486	63	139683	17.064	ug/l	97
40) Dibromomethane	9.575	93	98977	19.114	ug/l	86
41) Bromodichloromethane	9.757	83	188343	18.039	ug/l	95
42) Vinyl Acetate	6.428	43	1800682	78.006	ug/l	96

03/24/2022
 Supervised By :Semsettin
 Kesilyurt

03/24/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.404	43	210040	15.289	ug/l	98	03/24/2022
44) Isopropyl Acetate	8.557	43	323030	14.623	ug/l	98	Supervised By :Semsettin
45) 1,4-Dioxane	9.563	88	69050	350.986	ug/l #	92	Yesilyurt
46) Methyl methacrylate	9.557	41	137310	14.050	ug/l	84	
47) n-amyl Acetate	12.386	43	202715	13.833	ug/l	91	
48) t-1,3-Dichloropropene	10.716	75	201398	17.709	ug/l	100	
49) cis-1,3-Dichloropropene	10.186	75	222659	18.108	ug/l #	88	03/24/2022
50) 1,1,2-Trichloroethane	10.892	97	149027	19.763	ug/l	98	
51) Ethyl methacrylate	10.757	69	223974	17.265	ug/l	84	
52) 1,3-Dichloropropane	11.039	76	249850	18.398	ug/l	100	
53) Dibromochloromethane	11.233	129	145323	18.487	ug/l	100	
54) 1,2-Dibromoethane	11.339	107	146656	18.757	ug/l	93	
55) 2-Chloroethyl vinyl ether	10.039	63	305629	77.685	ug/l	97	
56) Bromoform	12.451	173	109185	18.009	ug/l #	99	
58) 4-Methyl-2-Pentanone	10.327	43	1022086	76.622	ug/l	93	
59) 2-Hexanone	11.080	43	734238	74.048	ug/l	92	
61) Tetrachloroethene	10.974	164	123075	20.309	ug/l	94	
62) Toluene	10.498	91	624458	19.660	ug/l	98	
64) Chlorobenzene	11.768	112	378526	19.650	ug/l	100	
65) 1,1,1,2-Tetrachloroethane	11.839	131	135408	18.947	ug/l	97	
66) Ethyl Benzene	11.839	91	653765	18.678	ug/l	97	
67) m/p-Xylenes	11.951	106	512789	38.986	ug/l	97	
68) o-Xylene	12.274	106	255952	19.333	ug/l	96	
69) Styrene	12.292	104	393192	18.849	ug/l	98	
70) Isopropylbenzene	12.574	105	633502	18.919	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.821	83	225780	19.435	ug/l	97	
72) 1,2,3-Trichloropropane	12.874	75	213749m	20.244	ug/l		
73) Bromobenzene	12.857	156	155220	19.797	ug/l	97	
74) n-propylbenzene	12.915	91	693729	18.797	ug/l	98	
75) 2-Chlorotoluene	13.004	91	431551	18.655	ug/l	99	
76) 1,3,5-Trimethylbenzene	13.057	105	519197	19.534	ug/l	95	
77) t-1,4-Dichloro-2-butene	12.621	75	60807	17.392	ug/l	97	
78) 4-Chlorotoluene	13.104	91	403957	18.844	ug/l	98	
79) tert-butylbenzene	13.321	119	460571	18.974	ug/l	94	
80) 1,2,4-Trimethylbenzene	13.498	105	613132	23.779	ug/l	100	
81) sec-Butylbenzene	13.498	105	613132	18.976	ug/l	98	
82) p-Isopropyltoluene	13.610	119	492525	18.953	ug/l	96	
83) 1,3-Dichlorobenzene	13.610	146	258027	20.158	ug/l	98	
84) 1,4-Dichlorobenzene	13.692	146	243681	19.996	ug/l	99	
85) n-Butylbenzene	13.939	91	341494	17.649	ug/l	95	
86) Hexachloroethane	14.204	117	90586	18.303	ug/l	82	
87) 1,2-Dichlorobenzene	13.986	146	257008	20.699	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.598	75	38035	17.049	ug/l	86	
89) 1,2,4-Trichlorobenzene	15.256	180	106987	18.608	ug/l	97	
90) Hexachlorobutadiene	15.362	225	72565	22.337	ug/l	97	
91) Naphthalene	15.504	128	291502	16.198	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.698	180	109609	18.589	ug/l	98	

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

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