

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032322\
 Data File : VN071509.D
 Acq On : 23 Mar 2022 17:31
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/24/2022
 Supervised By :Semsettin Yesilyurt 03/24/2022

Quant Time: Mar 24 02:47:32 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	113720	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	602156	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	540502	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	245589	27.201	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	90.667%#		
60) 4-Bromofluorobenzene	12.727	95	238510	28.563	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.200%		
63) Toluene-d8	10.439	98	756779	30.437	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.467%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	120310	16.362	ug/l	94
3) Chloromethane	2.299	50	145861	14.869	ug/l	99
4) Vinyl Chloride	2.440	62	161667	17.945	ug/l	98
5) Bromomethane	2.840	94	106907	23.678	ug/l	98
6) Chloroethane	3.010	64	106110	19.355	ug/l	95
7) Trichlorofluoromethane	3.375	101	185427	16.321	ug/l	100
8) Diethyl Ether	3.822	74	86230	17.473	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.204	101	110552	17.303	ug/l #	65
10) 1,1-Dichloroethene	4.187	96	111797	17.195	ug/l	91
11) Methyl Iodide	4.422	142	162939	18.200	ug/l	90
12) Methyl Acetate	4.851	43	183528	14.749	ug/l	96
13) Acrolein	4.040	56	104203	63.872	ug/l	99
14) Acrylonitrile	5.551	53	413600	79.730	ug/l	99
15) Acetone	4.281	58	112131	82.228	ug/l	90
16) Carbon Disulfide	4.528	76	279586	15.902	ug/l	98
17) Allyl chloride	4.840	41	183334	13.683	ug/l	83
18) Methylene Chloride	5.098	84	147902	18.657	ug/l	92
19) trans-1,2-Dichloroethene	5.593	96	121117	17.725	ug/l	100
20) Diisopropyl ether	6.492	45	410870	15.236	ug/l	95
21) 1,1-Dichloroethane	6.387	63	234395	16.335	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	153547	18.538	ug/l	97
23) tert-Butyl Alcohol	5.357	59	149334	77.826	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	440133	17.737	ug/l	93
25) Chloroform	7.816	83	239913	17.409	ug/l	99
26) Cyclohexane	8.092	56	191577	14.749	ug/l #	96
29) 1,1-Dichloropropene	8.216	75	168456	17.383	ug/l	98
30) 2-Butanone	7.328	43	549300	80.052	ug/l	99
31) 2,2-Dichloropropane	7.328	77	190472	20.967	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	200151	17.712	ug/l	98
33) Carbon Tetrachloride	8.204	117	166124	17.289	ug/l	98
34) Benzene	8.457	78	548592	18.289	ug/l	99
35) Methacrylonitrile	7.634	41	98218	14.774	ug/l	95
36) 1,2-Dichloroethane	8.528	62	198340	18.516	ug/l	96
37) Trichloroethene	9.210	130	134764	18.854	ug/l	99
38) Methylcyclohexane	9.457	83	207756	17.864	ug/l	97
39) 1,2-Dichloropropane	9.486	63	140795	17.707	ug/l	99
40) Dibromomethane	9.575	93	98990	19.680	ug/l	88
41) Bromodichloromethane	9.757	83	185633	18.303	ug/l	99
42) Vinyl Acetate	6.428	43	1808446	80.651	ug/l	96

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/24/2022
 Supervised By :Semsettin Yesilyurt 03/24/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	221658	16.611	ug/l	97
44) Isopropyl Acetate	8.557	43	333194	15.528	ug/l	97
45) 1,4-Dioxane	9.563	88	72529	379.538	ug/l #	94
46) Methyl methacrylate	9.557	41	142362	14.996	ug/l	85
47) n-amyl Acetate	12.380	43	207433	14.572	ug/l	91
48) t-1,3-Dichloropropene	10.716	75	199285	18.040	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	223502	18.713	ug/l #	88
50) 1,1,2-Trichloroethane	10.892	97	147384	20.121	ug/l	98
51) Ethyl methacrylate	10.757	69	226232	17.954	ug/l	84
52) 1,3-Dichloropropane	11.039	76	250070	18.957	ug/l	100
53) Dibromochloromethane	11.233	129	146428	19.177	ug/l	99
54) 1,2-Dibromoethane	11.339	107	149771	19.720	ug/l	96
55) 2-Chloroethyl vinyl ether	10.033	63	309865	81.084	ug/l	99
56) Bromoform	12.451	173	110261	18.723	ug/l #	100
58) 4-Methyl-2-Pentanone	10.328	43	1069974	82.440	ug/l	93
59) 2-Hexanone	11.080	43	779222	80.768	ug/l	92
61) Tetrachloroethene	10.975	164	115216	19.540	ug/l	92
62) Toluene	10.498	91	599198	19.389	ug/l	97
64) Chlorobenzene	11.763	112	367850	19.626	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.833	131	136609	19.646	ug/l	98
66) Ethyl Benzene	11.839	91	627762	18.433	ug/l	97
67) m/p-Xylenes	11.945	106	494989	38.678	ug/l	96
68) o-Xylene	12.274	106	247758	19.234	ug/l	96
69) Styrene	12.286	104	382509	18.847	ug/l	98
70) Isopropylbenzene	12.574	105	610095	18.726	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	223950	19.813	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	219390m	21.356	ug/l	
73) Bromobenzene	12.857	156	150584	19.739	ug/l	99
74) n-propylbenzene	12.916	91	645430	17.974	ug/l	98
75) 2-Chlorotoluene	13.004	91	413565	18.374	ug/l	99
76) 1,3,5-Trimethylbenzene	13.057	105	495408	19.157	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	60714	17.848	ug/l	95
78) 4-Chlorotoluene	13.098	91	382381	18.333	ug/l	99
79) tert-butylbenzene	13.316	119	441065	18.676	ug/l	94
80) 1,2,4-Trimethylbenzene	13.498	105	569308	22.692	ug/l	100
81) sec-Butylbenzene	13.498	105	569308	18.109	ug/l	98
82) p-Isopropyltoluene	13.610	119	463834	18.344	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	241305	19.375	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	228144	19.241	ug/l	98
85) n-Butylbenzene	13.939	91	323047	17.160	ug/l	96
86) Hexachloroethane	14.204	117	85678	17.793	ug/l	81
87) 1,2-Dichlorobenzene	13.986	146	242161	20.045	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	40340	18.584	ug/l	91
89) 1,2,4-Trichlorobenzene	15.257	180	101746	18.188	ug/l	96
90) Hexachlorobutadiene	15.362	225	63673	20.145	ug/l	98
91) Naphthalene	15.504	128	298490	17.047	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	102871	17.931	ug/l	97

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

