

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072025.D
 Acq On : 16 Apr 2022 00:53
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/18/2022
 Supervised By :Semsettin Yesilyurt 04/18/2022

Quant Time: Apr 16 02:05:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.169	128	85648m	30.000	ug/l	-0.49
28) 1,4-Difluorobenzene	8.710	114	506979	30.000	ug/l	-0.25
57) Chlorobenzene-d5	11.686	117	443479	30.000	ug/l	-0.05
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.098	65	186008	30.825	ug/l	-0.34
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.733%
60) 4-Bromofluorobenzene	12.698	95	191823	29.172	ug/l	-0.03
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.233%
63) Toluene-d8	10.316	98	614498	30.524	ug/l	-0.12
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.733%
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.204	101	94097m	11.201	ug/l	
8) Diethyl Ether	3.846	74	39480m	11.184	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.204	101	94100m	18.703	ug/l	
12) Methyl Acetate	4.651	43	57116m	8.168	ug/l	
17) Allyl chloride	4.657	41	65086	8.087	ug/l	# 42
18) Methylene Chloride	4.087	84	136314m	22.900	ug/l	
19) trans-1,2-Dichloroethene	4.634	96	106696m	20.104	ug/l	
20) Diisopropyl ether	5.745	45	315775m	18.752	ug/l	
21) 1,1-Dichloroethane	5.598	63	192418m	18.926	ug/l	
22) cis-1,2-Dichloroethene	6.757	96	123035	19.082	ug/l	94
23) tert-Butyl Alcohol	4.375	59	90721m	80.275	ug/l	
24) Methyl tert-Butyl Ether	4.651	73	339787m	18.974	ug/l	
25) Chloroform	7.381	83	190199	18.601	ug/l	96
26) Cyclohexane	7.692	56	154800	17.615	ug/l	# 95
29) 1,1-Dichloropropene	7.845	75	137544m	16.761	ug/l	
30) 2-Butanone	6.775	43	370980m	81.217	ug/l	
31) 2,2-Dichloropropane	6.745	77	130636m	13.975	ug/l	
32) 1,1,1-Trichloroethane	7.598	97	161731	16.922	ug/l	97
33) Carbon Tetrachloride	7.822	117	136203	16.836	ug/l	97
34) Benzene	8.122	78	436827	17.134	ug/l	99
35) Methacrylonitrile	7.198	41	211784m	48.325	ug/l	
36) 1,2-Dichloroethane	8.204	62	149781m	16.840	ug/l	
37) Trichloroethene	8.980	130	113138m	17.198	ug/l	
38) Methylcyclohexane	9.245	83	163606	15.818	ug/l	95
39) 1,2-Dichloropropane	9.286	63	107258	16.815	ug/l	100
40) Dibromomethane	9.380	93	72643	16.825	ug/l	84
41) Bromodichloromethane	9.586	83	144735	16.752	ug/l	94
42) Vinyl Acetate	5.669	43	1287052m	82.234	ug/l	
43) Ethyl Acetate	6.881	43	159311m	17.986	ug/l	
44) Isopropyl Acetate	8.263	43	216716	15.255	ug/l	95
45) 1,4-Dioxane	9.375	88	43131	300.922	ug/l	97
46) Methyl methacrylate	9.380	41	101854	16.350	ug/l	80
47) n-amyl Acetate	12.357	43	133487m	14.081	ug/l	
48) t-1,3-Dichloropropene	10.622	75	145311	15.474	ug/l	98
49) cis-1,3-Dichloropropene	10.051	75	163026m	15.875	ug/l	
50) 1,1,2-Trichloroethane	10.804	97	111046	17.205	ug/l	98
51) Ethyl methacrylate	10.669	69	158672	15.922	ug/l	81
52) 1,3-Dichloropropane	10.957	76	186789	16.946	ug/l	98
53) Dibromochloromethane	11.157	129	115747	17.324	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 1,2-Dibromoethane	11.269	107	115013	17.323	ug/l	97
55) 2-Chloroethyl vinyl ether	9.898	63	265558	98.901	ug/l	97
56) Bromoform	12.421	173	88434	17.166	ug/l #	100
58) 4-Methyl-2-Pentanone	10.210	43	703639	83.582	ug/l	90
59) 2-Hexanone	11.010	43	514970m	83.783	ug/l	
61) Tetrachloroethene	10.880	164	101723	18.847	ug/l	92
62) Toluene	10.386	91	484734	18.026	ug/l	97
64) Chlorobenzene	11.710	112	291913	17.599	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.786	131	111041	18.248	ug/l	98
66) Ethyl Benzene	11.792	91	499041	17.077	ug/l	95
67) m/p-Xylenes	11.904	106	393769	34.637	ug/l	96
68) o-Xylene	12.239	106	194734	17.234	ug/l	96
69) Styrene	12.251	104	303329	17.057	ug/l	97
70) Isopropylbenzene	12.545	105	486730	17.162	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.798	83	166250	18.012	ug/l	98
72) 1,2,3-Trichloropropane	12.857	75	146489m	18.473	ug/l	
73) Bromobenzene	12.827	156	121640	17.582	ug/l	91
74) n-propylbenzene	12.892	91	516760	16.695	ug/l	98
75) 2-Chlorotoluene	12.980	91	330640	17.094	ug/l	100
76) 1,3,5-Trimethylbenzene	13.033	105	408614	17.959	ug/l	95
77) t-1,4-Dichloro-2-butene	12.592	75	41264	14.820	ug/l	95
78) 4-Chlorotoluene	13.080	91	297911	16.491	ug/l	99
79) tert-butylbenzene	13.304	119	349565	17.026	ug/l	94
80) 1,2,4-Trimethylbenzene	13.351	105	395699m	17.924	ug/l	
81) sec-Butylbenzene	13.486	105	460249	16.683	ug/l	97
82) p-Isopropyltoluene	13.598	119	373100	16.646	ug/l	97
83) 1,3-Dichlorobenzene	13.598	146	191479	16.914	ug/l	97
84) 1,4-Dichlorobenzene	13.674	146	182570	16.896	ug/l	98
85) n-Butylbenzene	13.927	91	245767	14.762	ug/l	97
86) Hexachloroethane	14.198	117	68646	16.400	ug/l	73
87) 1,2-Dichlorobenzene	13.974	146	189439	17.309	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.592	75	26839	16.343	ug/l #	82
89) 1,2,4-Trichlorobenzene	15.257	180	84006	16.605	ug/l	97
90) Hexachlorobutadiene	15.362	225	55430	18.489	ug/l	99
91) Naphthalene	15.498	128	220749	18.207	ug/l	99
92) 1,2,3-Trichlorobenzene	15.692	180	84416	17.013	ug/l	97

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

