

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040822\
 Data File : VN071908.D
 Acq On : 08 Apr 2022 11:20
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2022

Supervised By :Mahesh Dadoda 04/11/2022

Supervised By :Mahesh

Supervised By :Mahesh

Date:04/11/2022

04/11/2022

Quant Time: Apr 09 05:19:17 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	7.657	128	84213	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	471923	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	432103	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	170083	28.666	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.567%		
60) 4-Bromofluorobenzene	12.727	95	189743	29.615	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.700%		
63) Toluene-d8	10.439	98	586412	29.896	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.667%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	74427	14.199	ug/l	98
3) Chloromethane	2.299	50	90292	14.615	ug/l	93
4) Vinyl Chloride	2.440	62	95541	13.485	ug/l	98
5) Bromomethane	2.846	94	68964	16.519	ug/l	90
6) Chloroethane	3.010	64	65288	14.390	ug/l	97
7) Trichlorofluoromethane	3.369	101	135744	16.433	ug/l	100
8) Diethyl Ether	3.828	74	63756	18.369	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	89754	18.143	ug/l #	63
10) 1,1-Dichloroethene	4.187	96	83496	17.114	ug/l	97
11) Methyl Iodide	4.422	142	116244	16.260	ug/l	90
12) Methyl Acetate	4.851	43	134337	19.538	ug/l	93
13) Acrolein	4.040	56	79649	108.886	ug/l	100
14) Acrylonitrile	5.546	53	307366	98.702	ug/l	97
15) Acetone	4.287	58	75951	84.751	ug/l	76
16) Carbon Disulfide	4.534	76	155578	12.248	ug/l	99
17) Allyl chloride	4.846	41	133746	16.901	ug/l	80
18) Methylene Chloride	5.093	84	105258	17.984	ug/l	97
19) trans-1,2-Dichloroethene	5.598	96	89391	17.130	ug/l	99
20) Diisopropyl ether	6.487	45	311733	18.827	ug/l #	94
21) 1,1-Dichloroethane	6.387	63	182455	18.252	ug/l	95
22) cis-1,2-Dichloroethene	7.322	96	117107	18.472	ug/l	95
23) tert-Butyl Alcohol	5.357	59	100247	90.216	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	339964	19.307	ug/l #	88
25) Chloroform	7.816	83	193417	19.238	ug/l	97
26) Cyclohexane	8.092	56	138326	16.009	ug/l #	98
29) 1,1-Dichloropropene	8.216	75	127059	16.634	ug/l	100
30) 2-Butanone	7.328	43	377985	88.897	ug/l	96
31) 2,2-Dichloropropane	7.322	77	145771	16.752	ug/l	98
32) 1,1,1-Trichloroethane	8.010	97	158016	17.762	ug/l	99
33) Carbon Tetrachloride	8.204	117	130837	17.374	ug/l	96
34) Benzene	8.457	78	425976	17.949	ug/l	97
35) Methacrylonitrile	7.628	41	80550	19.745	ug/l	90
36) 1,2-Dichloroethane	8.528	62	146418	17.685	ug/l #	95
37) Trichloroethene	9.210	130	108217	17.672	ug/l	98
38) Methylcyclohexane	9.457	83	150766	15.659	ug/l	97
39) 1,2-Dichloropropane	9.486	63	112413	18.932	ug/l	96
40) Dibromomethane	9.575	93	73149	18.201	ug/l	85
41) Bromodichloromethane	9.757	83	148472	18.461	ug/l	93
42) Vinyl Acetate	6.428	43	1286769	88.323	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	149329	18.112	ug/l	99
44) Isopropyl Acetate	8.557	43	232396	17.574	ug/l	93
45) 1,4-Dioxane	9.569	88	51904	389.031	ug/l #	91
46) Methyl methacrylate	9.557	41	99303	17.124	ug/l	77
47) n-amyl Acetate	12.386	43	146692	16.624	ug/l #	90
48) t-1,3-Dichloropropene	10.716	75	156559	17.910	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	171705	17.962	ug/l #	83
50) 1,1,2-Trichloroethane	10.892	97	120383	20.037	ug/l	98
51) Ethyl methacrylate	10.757	69	172009	18.542	ug/l	78
52) 1,3-Dichloropropane	11.039	76	195986	19.101	ug/l	99
53) Dibromochloromethane	11.233	129	120885	19.437	ug/l	98
54) 1,2-Dibromoethane	11.339	107	114865	18.586	ug/l	96
55) 2-Chloroethyl vinyl ether	10.033	63	205126	82.069	ug/l	98
56) Bromoform	12.451	173	90969	18.970	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	761097	92.787	ug/l	90
59) 2-Hexanone	11.080	43	538254	89.877	ug/l	88
61) Tetrachloroethene	10.975	164	97825	18.602	ug/l	86
62) Toluene	10.498	91	482302	18.408	ug/l	97
64) Chlorobenzene	11.763	112	303947	18.807	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.839	131	113641	19.167	ug/l	99
66) Ethyl Benzene	11.839	91	514251	18.061	ug/l	98
67) m/p-Xylenes	11.951	106	396720	35.815	ug/l	96
68) o-Xylene	12.275	106	198833	18.060	ug/l	97
69) Styrene	12.292	104	311963	18.004	ug/l	96
70) Isopropylbenzene	12.574	105	513522	18.584	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.822	83	177895	19.781	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	152241m	19.704	ug/l	
73) Bromobenzene	12.857	156	124053	18.403	ug/l	94
74) n-propylbenzene	12.916	91	534887	17.736	ug/l	97
75) 2-Chlorotoluene	13.004	91	343827	18.243	ug/l	99
76) 1,3,5-Trimethylbenzene	13.057	105	409247	18.460	ug/l	94
77) t-1,4-Dichloro-2-butene	12.622	75	44017	16.225	ug/l	93
78) 4-Chlorotoluene	13.098	91	314266	17.854	ug/l	99
79) tert-butylbenzene	13.321	119	377590	18.875	ug/l	91
80) 1,2,4-Trimethylbenzene	13.363	105	397002	18.457	ug/l #	80
81) sec-Butylbenzene	13.498	105	491720	18.293	ug/l	97
82) p-Isopropyltoluene	13.610	119	393670	18.026	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	201113	18.233	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	187428	17.802	ug/l	97
85) n-Butylbenzene	13.939	91	267476	16.489	ug/l	94
86) Hexachloroethane	14.204	117	73318	17.977	ug/l	77
87) 1,2-Dichlorobenzene	13.986	146	202779	19.015	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	27940	17.461	ug/l #	78
89) 1,2,4-Trichlorobenzene	15.263	180	92766	18.819	ug/l	97
90) Hexachlorobutadiene	15.368	225	58415	19.998	ug/l	97
91) Naphthalene	15.504	128	261696	20.663	ug/l	100
92) 1,2,3-Trichlorobenzene	15.698	180	99626	20.607	ug/l	98

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

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Sampled By : Mahesh

Injected By : Mahesh

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