

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073649.D
 Acq On : 29 Jul 2022 21:04
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Aug 01 04:35:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.586	128	49089	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	278980	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	260384	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	132511	31.221	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.067%
60) 4-Bromofluorobenzene	12.674	95	135692	29.431	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.100%
63) Toluene-d8	10.380	98	438615	29.916	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.733%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	65396	19.600	ug/l	97
3) Chloromethane	2.269	50	90163	20.438	ug/l	99
4) Vinyl Chloride	2.404	62	111127	20.524	ug/l	98
5) Bromomethane	2.810	94	60891	22.137	ug/l	99
6) Chloroethane	2.969	64	74564	20.326	ug/l	97
7) Trichlorofluoromethane	3.316	101	120636	22.652	ug/l	95
8) Diethyl Ether	3.763	74	42172	19.679	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.140	101	63921	19.909	ug/l #	65
10) 1,1-Dichloroethene	4.116	96	60885	19.811	ug/l	93
11) Methyl Iodide	4.346	142	67956	19.169	ug/l	88
12) Methyl Acetate	4.781	43	110178	21.094	ug/l	94
13) Acrolein	3.981	56	103196	112.391	ug/l	96
14) Acrylonitrile	5.475	53	244868	101.580	ug/l	96
15) Acetone	4.228	58	70629	105.392	ug/l	71
16) Carbon Disulfide	4.457	76	156484	18.632	ug/l	100
17) Allyl chloride	4.763	41	93520	18.243	ug/l	88
18) Methylene Chloride	5.016	84	84613	21.728	ug/l	97
19) trans-1,2-Dichloroethene	5.510	96	66835	19.614	ug/l	98
20) Diisopropyl ether	6.416	45	221177	19.834	ug/l	97
21) 1,1-Dichloroethane	6.310	63	127304	19.346	ug/l	100
22) cis-1,2-Dichloroethene	7.251	96	82334	20.086	ug/l	92
23) tert-Butyl Alcohol	5.287	59	87818	103.084	ug/l #	100
24) Methyl tert-Butyl Ether	5.540	73	220368	20.347	ug/l	91
25) Chloroform	7.745	83	134946	19.868	ug/l	97
26) Cyclohexane	8.028	56	104249	18.367	ug/l #	95
29) 1,1-Dichloropropene	8.151	75	93382	17.914	ug/l	99
30) 2-Butanone	7.263	43	340897	94.602	ug/l	99
31) 2,2-Dichloropropane	7.251	77	84681	15.568	ug/l	98
32) 1,1,1-Trichloroethane	7.939	97	114862	19.038	ug/l	98
33) Carbon Tetrachloride	8.133	117	98568	19.052	ug/l	100
34) Benzene	8.392	78	313668	18.595	ug/l	100
35) Methacrylonitrile	7.563	41	55133m	18.848	ug/l	
36) 1,2-Dichloroethane	8.463	62	105758	19.013	ug/l #	94
37) Trichloroethene	9.151	130	76114	18.341	ug/l	99
38) Methylcyclohexane	9.398	83	113380	17.521	ug/l	99
39) 1,2-Dichloropropane	9.428	63	76013	17.862	ug/l	100
40) Dibromomethane	9.510	93	55562	19.241	ug/l	89
41) Bromodichloromethane	9.704	83	105077	18.589	ug/l	94
42) Vinyl Acetate	6.351	43	944520	90.963	ug/l	97

08/01/2022
 Supervised By :Mahesh
 Kadoda

08/01/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.339	43	130110	19.020	ug/l	97	08/01/2022
44) Isopropyl Acetate	8.492	43	177373	18.645	ug/l	95	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.504	88	42240	372.381	ug/l #	93	
46) Methyl methacrylate	9.498	41	74975	17.624	ug/l	85	
47) n-amyl Acetate	12.333	43	137676	18.153	ug/l	94	
48) t-1,3-Dichloropropene	10.663	75	102903	17.683	ug/l	96	
49) cis-1,3-Dichloropropene	10.127	75	115950	17.945	ug/l #	89	08/01/2022
50) 1,1,2-Trichloroethane	10.839	97	82908	19.138	ug/l	97	
51) Ethyl methacrylate	10.704	69	117562	18.050	ug/l	82	
52) 1,3-Dichloropropane	10.986	76	135496	18.556	ug/l	98	
53) Dibromochloromethane	11.180	129	82326	18.752	ug/l	97	
54) 1,2-Dibromoethane	11.286	107	82620	18.714	ug/l	95	
55) 2-Chloroethyl vinyl ether	9.980	63	293407	100.441	ug/l	99	
56) Bromoform	12.398	173	62211	18.032	ug/l #	97	
58) 4-Methyl-2-Pentanone	10.269	43	649615	96.485	ug/l	95	
59) 2-Hexanone	11.027	43	493990	95.257	ug/l	94	
61) Tetrachloroethene	10.916	164	68559	17.189	ug/l	89	
62) Toluene	10.445	91	342139	18.895	ug/l	99	
64) Chlorobenzene	11.710	112	201755	18.649	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.780	131	75054	18.689	ug/l	97	
66) Ethyl Benzene	11.786	91	348197	17.987	ug/l	99	
67) m/p-Xylenes	11.892	106	279818	37.818	ug/l	96	
68) o-Xylene	12.221	106	138492	18.845	ug/l	97	
69) Styrene	12.233	104	223196	18.427	ug/l	96	
70) Isopropylbenzene	12.521	105	349825	18.619	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	12.768	83	131086	19.842	ug/l	97	
72) 1,2,3-Trichloropropane	12.821	75	113448m	20.561	ug/l		
73) Bromobenzene	12.798	156	87044	18.650	ug/l	98	
74) n-propylbenzene	12.863	91	394001	18.019	ug/l	99	
75) 2-Chlorotoluene	12.945	91	241545	18.428	ug/l	100	
76) 1,3,5-Trimethylbenzene	13.004	105	293276	18.636	ug/l	96	
77) t-1,4-Dichloro-2-butene	12.569	75	34679	17.247	ug/l	98	
78) 4-Chlorotoluene	13.045	91	226717	18.006	ug/l	100	
79) tert-butylbenzene	13.263	119	254807	18.728	ug/l	95	
80) 1,2,4-Trimethylbenzene	13.310	105	286547m	18.382	ug/l		
81) sec-Butylbenzene	13.439	105	349996	17.915	ug/l	99	
82) p-Isopropyltoluene	13.557	119	285119	17.777	ug/l	96	
83) 1,3-Dichlorobenzene	13.557	146	157079	18.386	ug/l	97	
84) 1,4-Dichlorobenzene	13.633	146	148877	18.065	ug/l	97	
85) n-Butylbenzene	13.886	91	210503	16.191	ug/l	97	
86) Hexachloroethane	14.151	117	54825	18.638	ug/l	84	
87) 1,2-Dichlorobenzene	13.927	146	162266	18.786	ug/l	97	
88) 1,2-Dibromo-3-Chloropr...	14.545	75	27333	18.942	ug/l #	79	
89) 1,2,4-Trichlorobenzene	15.198	180	77760	16.357	ug/l	98	
90) Hexachlorobutadiene	15.304	225	43711	18.154	ug/l	99	
91) Naphthalene	15.433	128	269631	17.274	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.627	180	85978	17.606	ug/l	97	

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

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