

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040822\
 Data File : VN071911.D
 Acq On : 08 Apr 2022 13:31
 Operator : JC\MD
 Sample : VN0408WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Supervised By : Mahesh
 Dadoda
 04/11/2022

Quant Time: Apr 09 05:19:59 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	84084	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	477518	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	439531	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	170007	28.697	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.667%		
60) 4-Bromofluorobenzene	12.727	95	188392	28.907	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.367%		
63) Toluene-d8	10.439	98	597032	29.923	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.733%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	129726	24.787	ug/l	99
3) Chloromethane	2.299	50	145571	23.599	ug/l	98
4) Vinyl Chloride	2.440	62	149643	21.154	ug/l	97
5) Bromomethane	2.852	94	97770	23.455	ug/l	99
6) Chloroethane	3.016	64	90358	19.947	ug/l	97
7) Trichlorofluoromethane	3.375	101	184888	22.417	ug/l	97
8) Diethyl Ether	3.822	74	75234	21.709	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.216	101	112576	22.792	ug/l #	65
10) 1,1-Dichloroethene	4.187	96	106153	21.791	ug/l	95
11) Methyl Iodide	4.422	142	159723	22.376	ug/l	88
12) Methyl Acetate	4.857	43	140712	20.496	ug/l	94
13) Acrolein	4.040	56	74387	101.848	ug/l	100
14) Acrylonitrile	5.551	53	334579	107.606	ug/l	96
15) Acetone	4.287	58	131873	147.377	ug/l	81
16) Carbon Disulfide	4.534	76	287424	22.662	ug/l	98
17) Allyl chloride	4.840	41	164034	20.761	ug/l	79
18) Methylene Chloride	5.093	84	130671	22.360	ug/l	95
19) trans-1,2-Dichloroethene	5.593	96	117352	22.523	ug/l	97
20) Diisopropyl ether	6.492	45	353625	21.390	ug/l	94
21) 1,1-Dichloroethane	6.387	63	211916	21.232	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	140362	22.174	ug/l	94
23) tert-Butyl Alcohol	5.363	59	105848	95.402	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	373644m	21.253	ug/l	
25) Chloroform	7.816	83	218370	21.753	ug/l	98
26) Cyclohexane	8.092	56	194494	22.544	ug/l #	99
29) 1,1-Dichloropropene	8.216	75	165393	21.399	ug/l	99
30) 2-Butanone	7.328	43	473194	109.985	ug/l	95
31) 2,2-Dichloropropane	7.322	77	174069	19.770	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	188142	20.900	ug/l	99
33) Carbon Tetrachloride	8.204	117	160251	21.030	ug/l	97
34) Benzene	8.457	78	523821	21.813	ug/l	96
35) Methacrylonitrile	7.634	41	86119	20.863	ug/l	94
36) 1,2-Dichloroethane	8.528	62	164903	19.684	ug/l #	93
37) Trichloroethene	9.210	130	133212	21.499	ug/l	95
38) Methylcyclohexane	9.457	83	212279	21.789	ug/l	97
39) 1,2-Dichloropropane	9.486	63	129336	21.527	ug/l	97
40) Dibromomethane	9.569	93	85143	20.937	ug/l	85
41) Bromodichloromethane	9.757	83	170025	20.894	ug/l	92
42) Vinyl Acetate	6.428	43	1490561m	101.112	ug/l	

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Supervised By : Mahesh
 Dadoda
 04/11/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	177903	21.324	ug/l	96
44) Isopropyl Acetate	8.557	43	254160	18.995	ug/l	90
45) 1,4-Dioxane	9.563	88	56148	415.910	ug/l #	92
46) Methyl methacrylate	9.557	41	112242	19.129	ug/l	77
47) n-amyl Acetate	12.386	43	158214m	17.719	ug/l	
48) t-1,3-Dichloropropene	10.716	75	178191	20.146	ug/l	100
49) cis-1,3-Dichloropropene	10.186	75	200409	20.719	ug/l #	82
50) 1,1,2-Trichloroethane	10.892	97	132603	21.812	ug/l	98
51) Ethyl methacrylate	10.757	69	195108	20.786	ug/l	79
52) 1,3-Dichloropropane	11.039	76	222793	21.460	ug/l	99
53) Dibromochloromethane	11.233	129	134805	21.421	ug/l	99
54) 1,2-Dibromoethane	11.339	107	133761	21.390	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	204587	80.894	ug/l	99
56) Bromoform	12.457	173	100816	20.777	ug/l #	100
58) 4-Methyl-2-Pentanone	10.328	43	836169	100.217	ug/l	91
59) 2-Hexanone	11.080	43	614268	100.836	ug/l	88
61) Tetrachloroethene	10.975	164	123645	23.114	ug/l	89
62) Toluene	10.498	91	585653	21.974	ug/l	97
64) Chlorobenzene	11.769	112	354482	21.563	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	127283	21.106	ug/l	98
66) Ethyl Benzene	11.839	91	615580	21.254	ug/l	96
67) m/p-Xylenes	11.951	106	486459	43.175	ug/l	94
68) o-Xylene	12.274	106	238290	21.278	ug/l	94
69) Styrene	12.292	104	364623	20.688	ug/l	96
70) Isopropylbenzene	12.574	105	599091	21.314	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.822	83	188670	20.624	ug/l	99
72) 1,2,3-Trichloropropane	12.880	75	165094m	21.007	ug/l	
73) Bromobenzene	12.857	156	138015	20.128	ug/l	96
74) n-propylbenzene	12.916	91	630772	20.562	ug/l	97
75) 2-Chlorotoluene	13.004	91	394508	20.579	ug/l	99
76) 1,3,5-Trimethylbenzene	13.057	105	477999	21.197	ug/l	95
77) t-1,4-Dichloro-2-butene	12.622	75	48426	17.549	ug/l	91
78) 4-Chlorotoluene	13.098	91	356515	19.912	ug/l	99
79) tert-butylbenzene	13.321	119	427130	20.990	ug/l	93
80) 1,2,4-Trimethylbenzene	13.363	105	452659m	20.689	ug/l	
81) sec-Butylbenzene	13.498	105	561924	20.552	ug/l	97
82) p-Isopropyltoluene	13.610	119	450811	20.293	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	225818	20.126	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	212705	19.862	ug/l	98
85) n-Butylbenzene	13.939	91	309072	18.731	ug/l	95
86) Hexachloroethane	14.204	117	81806	19.720	ug/l	76
87) 1,2-Dichlorobenzene	13.986	146	223061	20.564	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	29056	17.851	ug/l #	77
89) 1,2,4-Trichlorobenzene	15.257	180	99291	19.802	ug/l	97
90) Hexachlorobutadiene	15.363	225	64930	21.853	ug/l	98
91) Naphthalene	15.504	128	259246	20.303	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	100119	20.359	ug/l	97

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

Manual Integrations

Supervised By :Manesh
Dadoda

0044111/2200222

Abundance

TIC: VN071911.D\data.ms

04/11/2022

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane, M
Chloromethane, M
Vinyl Chloride, M
Bromomethane, M
Chloroethane, M
Trichlorofluoromethane, M
Diethyl Ether, T
Acrolein, M
1,2-Dichloroethane, M
Carbon Disulfide, M
Methyl Iodide, M
Methylene Chloride, M
tert-Butyl Alcohol, M
Acrylonitrile, M
Vinyl Acetate, M
1,1-Dichloroethane, M
Disopropyl ether, T
Ethyl Acetate
Methacrylonitrile
Bromochloromethane, I
Chloroform, M
1,1,1-Trichloroethane, M
Cyclohexane, M
Carbon tetrachloride, M
1,2-Dichloroethane-d4 Benzene, M
1,2-Dibromoethane, M
1,4-Difluorobenzene, I
Trichloroethane, M
1,2-Dichlorocyclohexane
Bromochloromethane, M
cis-1,3-Dichloropropane, T
2-Chloroethyl vinyl ether, M
Toluene, M
Toluene-d8, S
t-1,3-Epoxypropanol, M
1,1,2-Trichloroethane, M
1,3-Dichloropropane
Dibromochloromethane, M
1,2-Dibromoethane, M
Chlorobenzene, M
Chlorobenzene-d5, I
m,p-Xylenes, M
Ethyl Benzenethiol, M
Styrene, M
Isopropylbenzene
n-propylbenzene
1,3,5-Trimethylbenzene
tert-butylbenzene
sec-Butylbenzene
1,2,4-Trimethylbenzene
p-Tolylbenzene, M
1,2-Dichlorobenzene, M
1,2-Dichloroethane, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene, M
1,2,3-Trichlorobenzene