

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074022.D
 Acq On : 19 Aug 2022 13:21
 Operator : JC\MD
 Sample : VN0819WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/22/2022
 Supervised By :Mahesh Dadoda 08/22/2022

Quant Time: Aug 20 02:44:32 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	7.587	128	70838	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	390218	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	355221	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	177400	28.964	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.533%		
60) 4-Bromofluorobenzene	12.669	95	193177	30.713	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.367%		
63) Toluene-d8	10.380	98	585307	29.263	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.533%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	96726	20.089	ug/l	97
3) Chloromethane	2.269	50	109891	17.262	ug/l	95
4) Vinyl Chloride	2.405	62	134467	17.210	ug/l	99
5) Bromomethane	2.810	94	72217	18.194	ug/l	98
6) Chloroethane	2.969	64	83976	15.864	ug/l	100
7) Trichlorofluoromethane	3.316	101	163417	21.264	ug/l	97
8) Diethyl Ether	3.763	74	61422	19.862	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.140	101	94904	20.483	ug/l #	60
10) 1,1-Dichloroethene	4.116	96	87674	19.769	ug/l	94
11) Methyl Iodide	4.346	142	89069	17.411	ug/l	90
12) Methyl Acetate	4.775	43	146017	19.373	ug/l	97
13) Acrolein	3.981	56	135707	102.421	ug/l	95
14) Acrylonitrile	5.469	53	317065	91.147	ug/l	98
15) Acetone	4.222	58	87740	90.728	ug/l	84
16) Carbon Disulfide	4.457	76	206998	17.080	ug/l	98
17) Allyl chloride	4.763	41	135460	18.312	ug/l	85
18) Methylene Chloride	5.010	84	104627	18.619	ug/l	98
19) trans-1,2-Dichloroethene	5.516	96	93890	19.095	ug/l	93
20) Diisopropyl ether	6.410	45	292747	18.192	ug/l	94
21) 1,1-Dichloroethane	6.298	63	175988	18.533	ug/l	98
22) cis-1,2-Dichloroethene	7.245	96	115595	19.542	ug/l	92
23) tert-Butyl Alcohol	5.281	59	120163	97.745	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	311361	19.922	ug/l	91
25) Chloroform	7.745	83	192874	19.678	ug/l	99
26) Cyclohexane	8.022	56	146994	17.946	ug/l #	94
29) 1,1-Dichloropropene	8.151	75	133417	18.298	ug/l	99
30) 2-Butanone	7.257	43	437158	86.733	ug/l	98
31) 2,2-Dichloropropane	7.245	77	148923	19.574	ug/l	99
32) 1,1,1-Trichloroethane	7.945	97	167070	19.797	ug/l	99
33) Carbon Tetrachloride	8.134	117	145639	20.125	ug/l	99
34) Benzene	8.392	78	420566	17.825	ug/l	99
35) Methacrylonitrile	7.563	41	71311	17.429	ug/l	95
36) 1,2-Dichloroethane	8.463	62	142711	18.343	ug/l #	94
37) Trichloroethene	9.151	130	113600	19.571	ug/l	91
38) Methylcyclohexane	9.392	83	166534	18.399	ug/l	97
39) 1,2-Dichloropropane	9.428	63	105615	17.744	ug/l	100
40) Dibromomethane	9.510	93	76726	18.996	ug/l	83
41) Bromodichloromethane	9.698	83	147479	18.653	ug/l	91
42) Vinyl Acetate	6.351	43	1261649	86.867	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.334	43	168758	17.637	ug/l	99
44) Isopropyl Acetate	8.492	43	237592	17.856	ug/l	96
45) 1,4-Dioxane	9.504	88	58335	367.670	ug/l	96
46) Methyl methacrylate	9.498	41	103091	17.325	ug/l	80
47) n-amyl Acetate	12.327	43	185668	17.502	ug/l	93
48) t-1,3-Dichloropropene	10.657	75	148459	18.239	ug/l	100
49) cis-1,3-Dichloropropene	10.128	75	163185	18.056	ug/l #	87
50) 1,1,2-Trichloroethane	10.839	97	113752	18.772	ug/l	98
51) Ethyl methacrylate	10.704	69	166040	18.226	ug/l	81
52) 1,3-Dichloropropane	10.986	76	184950	18.108	ug/l	100
53) Dibromochloromethane	11.180	129	120456	19.615	ug/l	98
54) 1,2-Dibromoethane	11.286	107	116824	18.918	ug/l	97
55) 2-Chloroethyl vinyl ether	9.980	63	424747	103.953	ug/l	97
56) Bromoform	12.398	173	93838	19.445	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	838548	91.295	ug/l	93
59) 2-Hexanone	11.028	43	649461	91.801	ug/l	92
61) Tetrachloroethene	10.916	164	105659	19.419	ug/l	92
62) Toluene	10.445	91	469328	18.999	ug/l	97
64) Chlorobenzene	11.710	112	293334	19.875	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.780	131	111688	20.386	ug/l	98
66) Ethyl Benzene	11.786	91	501136	18.976	ug/l	96
67) m/p-Xylenes	11.892	106	406089	40.231	ug/l	95
68) o-Xylene	12.222	106	199563	19.905	ug/l	95
69) Styrene	12.233	104	313811	18.991	ug/l	97
70) Isopropylbenzene	12.522	105	507723	19.808	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.769	83	173415	19.241	ug/l	99
72) 1,2,3-Trichloropropane	12.822	75	149392m	19.847	ug/l	
73) Bromobenzene	12.798	156	134451	21.117	ug/l	89
74) n-propylbenzene	12.863	91	562198	18.847	ug/l	96
75) 2-Chlorotoluene	12.945	91	349020	19.519	ug/l	98
76) 1,3,5-Trimethylbenzene	12.998	105	434205	20.224	ug/l	95
77) t-1,4-Dichloro-2-butene	12.569	75	51337	18.715	ug/l	92
78) 4-Chlorotoluene	13.045	91	330804	19.258	ug/l	98
79) tert-butylbenzene	13.263	119	380410	20.495	ug/l	94
80) 1,2,4-Trimethylbenzene	13.310	105	429026m	20.174	ug/l	
81) sec-Butylbenzene	13.439	105	519914	19.508	ug/l	96
82) p-Isopropyltoluene	13.557	119	441007	20.155	ug/l	96
83) 1,3-Dichlorobenzene	13.551	146	233988	20.076	ug/l	98
84) 1,4-Dichlorobenzene	13.633	146	224257	19.947	ug/l	97
85) n-Butylbenzene	13.880	91	326317	18.398	ug/l	96
86) Hexachloroethane	14.151	117	77250	19.251	ug/l	74
87) 1,2-Dichlorobenzene	13.927	146	241587	20.502	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.539	75	38209	19.409	ug/l #	73
89) 1,2,4-Trichlorobenzene	15.198	180	140459	21.658	ug/l	96
90) Hexachlorobutadiene	15.304	225	76817	23.386	ug/l	96
91) Naphthalene	15.433	128	462351	21.712	ug/l	98
92) 1,2,3-Trichlorobenzene	15.627	180	150181	22.542	ug/l	97

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

