

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074079.D
 Acq On : 23 Aug 2022 19:43
 Operator : JC\MD
 Sample : VN0823WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/05/2022
 Supervised By :Mahesh Dadoda 09/05/2022

Quant Time: Aug 24 01:22:07 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	68578	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	371619	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	334879	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	168902	28.486	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.967%		
60) 4-Bromofluorobenzene	12.669	95	182403	30.762	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.533%		
63) Toluene-d8	10.380	98	562004	29.804	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.333%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	87927	18.863	ug/l	98
3) Chloromethane	2.269	50	111605	18.109	ug/l	95
4) Vinyl Chloride	2.404	62	121321	16.039	ug/l	100
5) Bromomethane	2.804	94	63164	16.437	ug/l	95
6) Chloroethane	2.969	64	77175	15.059	ug/l	98
7) Trichlorofluoromethane	3.316	101	164782	22.148	ug/l	98
8) Diethyl Ether	3.763	74	59109	19.744	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.146	101	83927	18.711	ug/l #	62
10) 1,1-Dichloroethene	4.110	96	83270	19.395	ug/l	93
11) Methyl Iodide	4.351	142	93894	18.959	ug/l	91
12) Methyl Acetate	4.775	43	167705	22.984	ug/l	98
13) Acrolein	3.981	56	84748	66.069	ug/l	97
14) Acrylonitrile	5.475	53	352821	104.768	ug/l	97
15) Acetone	4.222	58	101175	108.068	ug/l	86
16) Carbon Disulfide	4.463	76	210470	17.939	ug/l	97
17) Allyl chloride	4.757	41	132405	18.489	ug/l	83
18) Methylene Chloride	5.010	84	105565	19.405	ug/l	94
19) trans-1,2-Dichloroethene	5.510	96	91756	19.276	ug/l	96
20) Diisopropyl ether	6.416	45	302810	19.437	ug/l	91
21) 1,1-Dichloroethane	6.304	63	176381	19.186	ug/l	98
22) cis-1,2-Dichloroethene	7.245	96	111242	19.426	ug/l	93
23) tert-Butyl Alcohol	5.293	59	127138	106.827	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	306039m	20.226	ug/l	
25) Chloroform	7.745	83	186612	19.666	ug/l	98
26) Cyclohexane	8.028	56	140883	17.767	ug/l #	98
29) 1,1-Dichloropropene	8.151	75	127288	18.331	ug/l	98
30) 2-Butanone	7.263	43	475532	99.068	ug/l	98
31) 2,2-Dichloropropane	7.251	77	89726	12.384	ug/l	98
32) 1,1,1-Trichloroethane	7.945	97	153540	19.104	ug/l	98
33) Carbon Tetrachloride	8.134	117	132848	19.277	ug/l	98
34) Benzene	8.386	78	418078	18.606	ug/l #	95
35) Methacrylonitrile	7.569	41	79993	20.530	ug/l	92
36) 1,2-Dichloroethane	8.463	62	140675	18.986	ug/l #	95
37) Trichloroethene	9.151	130	102277	18.502	ug/l	99
38) Methylcyclohexane	9.398	83	143821	16.685	ug/l	95
39) 1,2-Dichloropropane	9.428	63	106909	18.860	ug/l	98
40) Dibromomethane	9.516	93	74560	19.384	ug/l	85
41) Bromodichloromethane	9.698	83	141230	18.757	ug/l	97
42) Vinyl Acetate	6.351	43	1239492	89.613	ug/l	95

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43) Ethyl Acetate	7.339	43	177976	19.531	ug/l	100
44) Isopropyl Acetate	8.498	43	237275	18.724	ug/l	95
45) 1,4-Dioxane	9.510	88	63737	421.823	ug/l	94
46) Methyl methacrylate	9.498	41	112095	19.781	ug/l	79
47) n-amyl Acetate	12.327	43	180270	17.844	ug/l	92
48) t-1,3-Dichloropropene	10.663	75	130779	16.871	ug/l	98
49) cis-1,3-Dichloropropene	10.128	75	149000	17.311	ug/l #	81
50) 1,1,2-Trichloroethane	10.839	97	110656	19.175	ug/l	97
51) Ethyl methacrylate	10.704	69	163605	18.858	ug/l	81
52) 1,3-Dichloropropane	10.986	76	181965	18.708	ug/l	99
53) Dibromochloromethane	11.180	129	114830	19.635	ug/l	99
54) 1,2-Dibromoethane	11.286	107	112097	19.061	ug/l	96
55) 2-Chloroethyl vinyl ether	9.980	63	420848	108.154	ug/l	98
56) Bromoform	12.398	173	91132	19.830	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	884155	102.108	ug/l	93
59) 2-Hexanone	11.027	43	686725	102.965	ug/l	91
61) Tetrachloroethene	10.916	164	89887	17.523	ug/l	91
62) Toluene	10.445	91	449894	19.319	ug/l	97
64) Chlorobenzene	11.710	112	276757	19.891	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.780	131	107763	20.865	ug/l	99
66) Ethyl Benzene	11.786	91	475265	19.090	ug/l	99
67) m/p-Xylenes	11.892	106	371454	39.036	ug/l	98
68) o-Xylene	12.222	106	185139	19.588	ug/l	98
69) Styrene	12.233	104	301408	19.348	ug/l	96
70) Isopropylbenzene	12.521	105	472613	19.558	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.769	83	182493	21.478	ug/l	97
72) 1,2,3-Trichloropropane	12.821	75	151219m	21.310	ug/l	
73) Bromobenzene	12.804	156	121872	20.304	ug/l	95
74) n-propylbenzene	12.863	91	519262	18.465	ug/l	98
75) 2-Chlorotoluene	12.945	91	331603	19.671	ug/l	100
76) 1,3,5-Trimethylbenzene	12.998	105	396600	19.595	ug/l	94
77) t-1,4-Dichloro-2-butene	12.569	75	42872	16.578	ug/l	93
78) 4-Chlorotoluene	13.045	91	310210	19.156	ug/l	100
79) tert-butylbenzene	13.263	119	351544	20.090	ug/l	93
80) 1,2,4-Trimethylbenzene	13.310	105	390945m	19.500	ug/l	
81) sec-Butylbenzene	13.439	105	471269	18.757	ug/l	97
82) p-Isopropyltoluene	13.557	119	387609	18.791	ug/l	96
83) 1,3-Dichlorobenzene	13.557	146	214943	19.562	ug/l	98
84) 1,4-Dichlorobenzene	13.633	146	207345	19.563	ug/l	98
85) n-Butylbenzene	13.880	91	283067	16.929	ug/l	95
86) Hexachloroethane	14.151	117	73067	19.314	ug/l	76
87) 1,2-Dichlorobenzene	13.927	146	226229	20.365	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.545	75	39768	21.429	ug/l #	79
89) 1,2,4-Trichlorobenzene	15.198	180	120887	19.772	ug/l	97
90) Hexachlorobutadiene	15.298	225	64877	20.951	ug/l	98
91) Naphthalene	15.433	128	436157	21.726	ug/l	98
92) 1,2,3-Trichlorobenzene	15.627	180	131276	20.902	ug/l	97

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

