

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100322\
 Data File : VN074716.D
 Acq On : 03 Oct 2022 19:27
 Operator : JC\MD
 Sample : VN1003WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 06:13:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 05:54:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.934	168	204367	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.828	114	366040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	401753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	218422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	251177	48.911	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.820%		
35) Dibromofluoromethane	7.863	113	185767	47.209	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.420%		
50) Toluene-d8	10.310	98	765746	47.343	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.680%		
62) 4-Bromofluorobenzene	12.604	95	213421	39.565	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	79.140%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.999	85	79923	18.951	ug/l	98
3) Chloromethane	2.216	50	117070	17.850	ug/l	97
4) Vinyl Chloride	2.357	62	202780	16.580	ug/l	94
5) Bromomethane	2.734	94	161318	16.938	ug/l	99
6) Chloroethane	2.899	64	171600	17.515	ug/l	96
7) Trichlorofluoromethane	3.246	101	110760	16.819	ug/l	95
8) Diethyl Ether	3.687	74	48042	16.566	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.046	101	61380	16.615	ug/l	93
10) Methyl Iodide	4.251	142	80017	17.783	ug/l	92
11) Tert butyl alcohol	5.163	59	110508	98.564	ug/l	# 94
12) 1,1-Dichloroethene	4.022	96	58717	15.969	ug/l	96
13) Acrolein	3.893	56	45996	102.360	ug/l	95
14) Allyl chloride	4.651	41	129248	17.117	ug/l	92
15) Acrylonitrile	5.351	53	276457	86.648	ug/l	98
16) Acetone	4.128	43	230847	84.359	ug/l	94
17) Carbon Disulfide	4.357	76	179337	16.641	ug/l	96
18) Methyl Acetate	4.669	43	167675	17.957	ug/l	92
19) Methyl tert-butyl Ether	5.422	73	248029	16.955	ug/l	97
20) Methylene Chloride	4.904	84	81186	17.932	ug/l	97
21) trans-1,2-Dichloroethene	5.398	96	67788	17.014	ug/l	96
22) Diisopropyl ether	6.304	45	284926	17.123	ug/l	# 91
23) Vinyl Acetate	6.245	43	1176098	87.904	ug/l	# 93
24) 1,1-Dichloroethane	6.198	63	150571	18.251	ug/l	98
25) 2-Butanone	7.157	43	428023	88.012	ug/l	92
26) 2,2-Dichloropropane	7.145	77	99886	15.982	ug/l	99
27) cis-1,2-Dichloroethene	7.157	96	88898	17.858	ug/l	95
28) Bromochloromethane	7.487	49	83076	21.009	ug/l	# 68
29) Tetrahydrofuran	7.510	42	282008	88.011	ug/l	# 86
30) Chloroform	7.657	83	140845	17.460	ug/l	89
31) Cyclohexane	7.934	56	134995	17.012	ug/l	# 83
32) 1,1,1-Trichloroethane	7.857	97	115952	16.709	ug/l	96
36) 1,1-Dichloropropene	8.069	75	106036	16.545	ug/l	94
37) Ethyl Acetate	7.245	43	161162	17.908	ug/l	# 94
38) Carbon Tetrachloride	8.051	117	94103	16.604	ug/l	97
39) Methylcyclohexane	9.316	83	128294	16.526	ug/l	96
40) Benzene	8.304	78	326848	16.728	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.469	41	75527	17.282	ug/l #	64
42) 1,2-Dichloroethane	8.381	62	118440	17.710	ug/l	97
43) Isopropyl Acetate	8.416	43	238056	17.408	ug/l #	91
44) Trichloroethene	9.075	130	68550	15.891	ug/l	85
45) 1,2-Dichloropropane	9.351	63	90713	17.502	ug/l	96
46) Dibromomethane	9.445	93	59845	16.728	ug/l #	80
47) Bromodichloromethane	9.628	83	111077	16.898	ug/l	94
48) Methyl methacrylate	9.428	41	103356	16.497	ug/l	84
49) 1,4-Dioxane	9.428	88	38756	334.476	ug/l #	91
51) 4-Methyl-2-Pentanone	10.204	43	824004	83.636	ug/l	90
52) Toluene	10.369	92	203466	17.116	ug/l	99
53) t-1,3-Dichloropropene	10.592	75	112642	17.387	ug/l	91
54) cis-1,3-Dichloropropene	10.057	75	124664	17.203	ug/l #	90
55) 1,1,2-Trichloroethane	10.769	97	80907	16.919	ug/l	93
56) Ethyl methacrylate	10.639	69	134397	17.854	ug/l #	82
57) 1,3-Dichloropropane	10.916	76	139966	16.291	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.916	63	280606	96.663	ug/l	91
59) 2-Hexanone	10.963	43	628222	85.101	ug/l	90
60) Dibromochloromethane	11.110	129	74552	17.043	ug/l	99
61) 1,2-Dibromoethane	11.216	107	78976	16.703	ug/l	97
64) Tetrachloroethene	10.845	164	51073	15.582	ug/l	96
65) Chlorobenzene	11.645	112	201961	16.556	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.716	131	68226	16.952	ug/l	98
67) Ethyl Benzene	11.722	91	386507	17.002	ug/l	99
68) m/p-Xylenes	11.827	106	294324	34.740	ug/l	96
69) o-Xylene	12.157	106	143985	16.933	ug/l	99
70) Styrene	12.169	104	222045	15.778	ug/l	97
71) Bromoform	12.333	173	48243	18.011	ug/l #	96
73) Isopropylbenzene	12.451	105	353972	17.540	ug/l	99
74) N-amyl acetate	12.269	43	187864	18.832	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.704	83	138048	17.935	ug/l	98
76) 1,2,3-Trichloropropane	12.757	75	93779m	17.604	ug/l	
77) Bromobenzene	12.733	156	77746	18.021	ug/l	86
78) n-propylbenzene	12.792	91	415400	17.979	ug/l	95
79) 2-Chlorotoluene	12.880	91	241031	17.704	ug/l	93
80) 1,3,5-Trimethylbenzene	12.933	105	290980	18.063	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.498	75	33292	17.609	ug/l #	85
82) 4-Chlorotoluene	12.980	91	226457	17.198	ug/l	95
83) tert-Butylbenzene	13.198	119	259215	17.985	ug/l	98
84) 1,2,4-Trimethylbenzene	13.239	105	293254	18.901	ug/l	98
85) sec-Butylbenzene	13.374	105	360704	17.553	ug/l	94
86) p-Isopropyltoluene	13.492	119	291102	18.479	ug/l	97
87) 1,3-Dichlorobenzene	13.486	146	139769	17.049	ug/l	98
88) 1,4-Dichlorobenzene	13.568	146	143543	17.871	ug/l	97
89) n-Butylbenzene	13.816	91	240300	16.891	ug/l	94
90) Hexachloroethane	14.080	117	47723	17.864	ug/l	79
91) 1,2-Dichlorobenzene	13.863	146	143200	17.957	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.480	75	24124	17.026	ug/l	85
93) 1,2,4-Trichlorobenzene	15.127	180	62693	17.829	ug/l	99
94) Hexachlorobutadiene	15.227	225	30562	17.189	ug/l	97
95) Naphthalene	15.362	128	263926	19.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.551	180	67267	18.128	ug/l	99

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

