

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072725.D
 Acq On : 09 Jun 2022 13:01
 Operator : JC\MD
 Sample : VN0609WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 09 16:36:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	148466	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	274397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	295243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	134056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	209486	52.572	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.140%			
35) Dibromofluoromethane	8.016	113	139347	51.323	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.640%			
50) Toluene-d8	10.439	98	548043	50.591	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.180%			
62) 4-Bromofluorobenzene	12.727	95	192823	51.873	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	46858	19.456	ug/l	100
3) Chloromethane	2.293	50	51863	19.670	ug/l	96
4) Vinyl Chloride	2.434	62	48566	18.415	ug/l	99
5) Bromomethane	2.828	94	28668	22.592	ug/l	98
6) Chloroethane	3.004	64	37921	22.273	ug/l	90
7) Trichlorofluoromethane	3.363	101	82510	19.657	ug/l	95
8) Diethyl Ether	3.816	74	35115	20.575	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.199	101	45864	19.953	ug/l	89
10) Methyl Iodide	4.416	142	40524	18.908	ug/l	# 85
11) Tert butyl alcohol	5.363	59	96116	101.116	ug/l	100
12) 1,1-Dichloroethene	4.175	96	41104	19.187	ug/l	89
13) Acrolein	4.034	56	41192	104.926	ug/l	98
14) Allyl chloride	4.834	41	98491	19.914	ug/l	# 90
15) Acrylonitrile	5.545	53	209817	104.180	ug/l	99
16) Acetone	4.281	43	191200	100.138	ug/l	92
17) Carbon Disulfide	4.522	76	93160	19.017	ug/l	99
18) Methyl Acetate	4.851	43	104661	21.067	ug/l	# 89
19) Methyl tert-butyl Ether	5.610	73	206817	21.344	ug/l	98
20) Methylene Chloride	5.093	84	58117	21.202	ug/l	87
21) trans-1,2-Dichloroethene	5.587	96	45160	19.144	ug/l	89
22) Diisopropyl ether	6.487	45	212359	21.185	ug/l	94
23) Vinyl Acetate	6.428	43	977040	106.460	ug/l	# 92
24) 1,1-Dichloroethane	6.381	63	108150	20.777	ug/l	97
25) 2-Butanone	7.328	43	313129	101.947	ug/l	# 87
26) 2,2-Dichloropropane	7.322	77	94848	20.152	ug/l	95
27) cis-1,2-Dichloroethene	7.322	96	61874	20.622	ug/l	87
28) Bromochloromethane	7.651	49	53095	21.596	ug/l	# 78
29) Tetrahydrofuran	7.675	42	192799	101.584	ug/l	90
30) Chloroform	7.810	83	112422	20.718	ug/l	99
31) Cyclohexane	8.086	56	87548	20.330	ug/l	# 85
32) 1,1,1-Trichloroethane	8.010	97	93923	19.587	ug/l	96
36) 1,1-Dichloropropene	8.216	75	72643	19.275	ug/l	95
37) Ethyl Acetate	7.404	43	120273	20.541	ug/l	95
38) Carbon Tetrachloride	8.204	117	80220	19.918	ug/l	98
39) Methylcyclohexane	9.457	83	81736	18.689	ug/l	91
40) Benzene	8.457	78	231851	20.273	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	57620	29.194	ug/l	90
42) 1,2-Dichloroethane	8.522	62	102226	21.559	ug/l	96
43) Isopropyl Acetate	8.557	43	194103	21.286	ug/l #	93
44) Trichloroethene	9.210	130	53629	20.142	ug/l	89
45) 1,2-Dichloropropane	9.486	63	64660	20.923	ug/l	97
46) Dibromomethane	9.575	93	44625	20.656	ug/l #	85
47) Bromodichloromethane	9.757	83	93077	20.958	ug/l	97
48) Methyl methacrylate	9.557	41	85105	19.726	ug/l #	85
49) 1,4-Dioxane	9.563	88	34675	439.688	ug/l #	89
51) 4-Methyl-2-Pentanone	10.328	43	632853	106.568	ug/l	91
52) Toluene	10.504	92	146175	20.471	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	104264	21.134	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	109535	21.488	ug/l #	84
55) 1,1,2-Trichloroethane	10.898	97	64504	20.933	ug/l	95
56) Ethyl methacrylate	10.757	69	117985	21.649	ug/l #	81
57) 1,3-Dichloropropane	11.039	76	116795	21.226	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	238496	109.803	ug/l	92
59) 2-Hexanone	11.080	43	477482	109.344	ug/l	90
60) Dibromochloromethane	11.233	129	69843	21.838	ug/l	98
61) 1,2-Dibromoethane	11.345	107	68450	21.675	ug/l	98
64) Tetrachloroethene	10.975	164	47385	19.063	ug/l	91
65) Chlorobenzene	11.769	112	159975	20.334	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	63140	20.175	ug/l	95
67) Ethyl Benzene	11.839	91	293200	19.820	ug/l	97
68) m/p-Xylenes	11.951	106	211459	40.224	ug/l	89
69) o-Xylene	12.280	106	108959	20.618	ug/l	92
70) Styrene	12.292	104	172074	20.718	ug/l	95
71) Bromoform	12.457	173	46706	21.218	ug/l #	97
73) Isopropylbenzene	12.574	105	281484	19.575	ug/l	97
74) N-amyl acetate	12.386	43	143102	21.412	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.821	83	102382	20.511	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	102654m	23.730	ug/l	
77) Bromobenzene	12.857	156	57515	20.290	ug/l	68
78) n-propylbenzene	12.916	91	317860	20.246	ug/l	94
79) 2-Chlorotoluene	13.004	91	195985	19.899	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	232925	20.443	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.621	75	32624	19.723	ug/l #	85
82) 4-Chlorotoluene	13.104	91	185879	20.434	ug/l	94
83) tert-Butylbenzene	13.321	119	198274	19.813	ug/l	88
84) 1,2,4-Trimethylbenzene	13.363	105	225961	20.727	ug/l	94
85) sec-Butylbenzene	13.498	105	275395	20.395	ug/l	96
86) p-Isopropyltoluene	13.610	119	215953	20.331	ug/l	95
87) 1,3-Dichlorobenzene	13.616	146	98980	20.558	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	97747	20.723	ug/l	96
89) n-Butylbenzene	13.939	91	182025	20.340	ug/l	96
90) Hexachloroethane	14.204	117	43566	18.950	ug/l	75
91) 1,2-Dichlorobenzene	13.986	146	98114	20.791	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.598	75	23619	19.589	ug/l	70
93) 1,2,4-Trichlorobenzene	15.262	180	47751	21.034	ug/l	93
94) Hexachlorobutadiene	15.368	225	21563	21.204	ug/l	96
95) Naphthalene	15.504	128	183161	20.795	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	49714	21.991	ug/l	96

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

