

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062623\
 Data File : VN078402.D
 Acq On : 26 Jun 2023 15:12
 Operator : JC\MD
 Sample : VN0626WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/27/2023
 Supervised By : Mahesh Dadoda 06/27/2023

Quant Time: Jun 27 02:16:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	450438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	780534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	684389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	257382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	301190	50.151	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.300%			
35) Dibromofluoromethane	8.177	113	260727	52.830	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	10.571	98	944640	49.651	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.300%			
62) 4-Bromofluorobenzene	12.853	95	308266	52.119	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	84957	16.685	ug/l	95
3) Chloromethane	2.371	50	103267	20.481	ug/l	94
4) Vinyl Chloride	2.518	62	149675	22.449	ug/l	99
5) Bromomethane	2.959	94	113308	22.487	ug/l	97
6) Chloroethane	3.124	64	100599	22.133	ug/l	96
7) Trichlorofluoromethane	3.500	101	175514	19.412	ug/l	92
8) Diethyl Ether	3.971	74	59124	18.611	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.383	101	98097	20.558	ug/l	96
10) Methyl Iodide	4.595	142	129596	19.205	ug/l	97
11) Tert butyl alcohol	5.530	59	84105	101.421	ug/l	98
12) 1,1-Dichloroethene	4.347	96	90817	18.463	ug/l	90
13) Acrolein	4.189	56	71571	78.309	ug/l	92
14) Allyl chloride	5.036	41	124573	20.747	ug/l	92
15) Acrylonitrile	5.730	53	220381	103.079	ug/l	97
16) Acetone	4.442	43	219186	126.795	ug/l	95
17) Carbon Disulfide	4.718	76	248052	19.592	ug/l	96
18) Methyl Acetate	5.036	43	163725	20.572	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	315485	20.103	ug/l	99
20) Methylene Chloride	5.283	84	113656	19.896	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	105331	19.854	ug/l	90
22) Diisopropyl ether	6.683	45	306126	21.675	ug/l #	93
23) Vinyl Acetate	6.612	43	882511	105.114	ug/l #	91
24) 1,1-Dichloroethane	6.583	63	196844	21.127	ug/l	98
25) 2-Butanone	7.494	43	302813	113.912	ug/l	88
26) 2,2-Dichloropropane	7.500	77	170865	24.837	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	124024	19.599	ug/l	93
28) Bromochloromethane	7.818	49	91905	21.484	ug/l	88
29) Tetrahydrofuran	7.847	42	183262	103.124	ug/l	87
30) Chloroform	7.971	83	210510	20.982	ug/l	98
31) Cyclohexane	8.265	56	151393	19.651	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	186530	21.177	ug/l	95
36) 1,1-Dichloropropene	8.382	75	155142	21.916	ug/l	97
37) Ethyl Acetate	7.571	43	122107	22.080	ug/l #	96
38) Carbon Tetrachloride	8.371	117	166859	22.323	ug/l	96
39) Methylcyclohexane	9.606	83	134564	18.343	ug/l	93
40) Benzene	8.612	78	468137	22.151	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	67404	22.487	ug/l	87
42) 1,2-Dichloroethane	8.677	62	156457	21.592	ug/l	99
43) Isopropyl Acetate	8.694	43	213685	20.205	ug/l	94
44) Trichloroethene	9.359	130	120836	21.651	ug/l	94
45) 1,2-Dichloropropane	9.624	63	114718	21.817	ug/l	93
46) Dibromomethane	9.712	93	84804	21.897	ug/l	97
47) Bromodichloromethane	9.894	83	165603	23.019	ug/l	95
48) Methyl methacrylate	9.688	41	95464	21.509	ug/l	88
49) 1,4-Dioxane	9.706	88	39033	418.434	ug/l #	90
51) 4-Methyl-2-Pentanone	10.453	43	625174	112.255	ug/l	93
52) Toluene	10.635	92	298729	22.388	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	167085	22.301	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	184288	22.251	ug/l	93
55) 1,1,2-Trichloroethane	11.023	97	111310	22.052	ug/l	96
56) Ethyl methacrylate	10.882	69	158478	21.562	ug/l #	88
57) 1,3-Dichloropropane	11.171	76	190065	22.308	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.171	63	244116	82.220	ug/l	93
59) 2-Hexanone	11.200	43	450992	116.301	ug/l	91
60) Dibromochloromethane	11.365	129	122494	22.177	ug/l	98
61) 1,2-Dibromoethane	11.476	107	115727	21.847	ug/l	100
64) Tetrachloroethene	11.106	164	97161	21.280	ug/l	98
65) Chlorobenzene	11.894	112	306332	20.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	117611	21.818	ug/l	98
67) Ethyl Benzene	11.970	91	539538	21.334	ug/l	100
68) m/p-Xylenes	12.076	106	409359	42.474	ug/l	100
69) o-Xylene	12.406	106	196010	20.710	ug/l	96
70) Styrene	12.418	104	313048	21.010	ug/l	96
71) Bromoform	12.582	173	74635	21.454	ug/l #	100
73) Isopropylbenzene	12.700	105	487037	20.011	ug/l	100
74) N-amyl acetate	12.500	43	158597	19.788	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	159025	22.405	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	124483m	20.459	ug/l	
77) Bromobenzene	12.988	156	114970	20.349	ug/l	98
78) n-propylbenzene	13.041	91	551465	20.854	ug/l	100
79) 2-Chlorotoluene	13.129	91	338051	19.805	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	392970	19.942	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	46215	23.335	ug/l	92
82) 4-Chlorotoluene	13.229	91	321389	20.174	ug/l	97
83) tert-Butylbenzene	13.441	119	323639	18.894	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	389366	20.381	ug/l	99
85) sec-Butylbenzene	13.623	105	413328	18.436	ug/l	100
86) p-Isopropyltoluene	13.735	119	328661	18.065	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	190456	19.928	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	181994	19.735	ug/l	98
89) n-Butylbenzene	14.059	91	245147	17.083	ug/l	98
90) Hexachloroethane	14.341	117	63510	19.671	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	184816	19.787	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23555	19.539	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	51859	15.583	ug/l	98
94) Hexachlorobutadiene	15.506	225	31919	17.844	ug/l	97
95) Naphthalene	15.647	128	164598	14.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	59898	16.093	ug/l	95

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

