

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075602.D
 Acq On : 07 Dec 2022 12:09
 Operator : JC\MD
 Sample : VN1207WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2022
 Supervised By : Mahesh Dadoda 12/08/2022

Quant Time: Dec 07 14:28:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	193255	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	306596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	280191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	51584	49.726	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.460%		
35) Dibromofluoromethane	8.171	113	65749	54.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.180%		
50) Toluene-d8	10.571	98	140516	51.800	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.600%		
62) 4-Bromofluorobenzene	12.853	95	109811	54.844	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.680%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	32038	21.680	ug/l	98
3) Chloromethane	2.371	50	37098	20.176	ug/l	99
4) Vinyl Chloride	2.524	62	47682	20.576	ug/l	94
5) Bromomethane	2.918	94	41758	20.491	ug/l	95
6) Chloroethane	3.095	64	37304	21.245	ug/l	97
7) Trichlorofluoromethane	3.489	101	66821	20.184	ug/l	97
8) Diethyl Ether	3.971	74	24238	20.889	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	38207	20.905	ug/l	92
10) Methyl Iodide	4.595	142	63857	21.563	ug/l	96
11) Tert butyl alcohol	5.542	59	39775	91.337	ug/l	99
12) 1,1-Dichloroethene	4.342	96	37595	21.007	ug/l	90
13) Acrolein	4.189	56	37441	98.693	ug/l	100
14) Allyl chloride	5.024	41	48735	21.053	ug/l	97
15) Acrylonitrile	5.730	53	94742	94.828	ug/l	96
16) Acetone	4.442	43	76662	79.228	ug/l	92
17) Carbon Disulfide	4.712	76	94027	20.217	ug/l	98
18) Methyl Acetate	5.036	43	51184	20.211	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	128616	20.287	ug/l	99
20) Methylene Chloride	5.283	84	42696	21.019	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	40742	19.976	ug/l	97
22) Diisopropyl ether	6.683	45	111000	21.012	ug/l	99
23) Vinyl Acetate	6.612	43	380495	90.536	ug/l	99
24) 1,1-Dichloroethane	6.577	63	71588	21.112	ug/l	96
25) 2-Butanone	7.494	43	118902	88.017	ug/l	93
26) 2,2-Dichloropropane	7.500	77	57281	18.177	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	48811	21.165	ug/l	93
28) Bromochloromethane	7.824	49	30162	21.914	ug/l	83
29) Tetrahydrofuran	7.841	42	76624	93.249	ug/l	98
30) Chloroform	7.971	83	78007	20.033	ug/l	97
31) Cyclohexane	8.265	56	66185	20.081	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	71960	20.353	ug/l	95
36) 1,1-Dichloropropene	8.377	75	56510	21.515	ug/l	97
37) Ethyl Acetate	7.565	43	49807	21.060	ug/l	99
38) Carbon Tetrachloride	8.365	117	64508	22.358	ug/l	99
39) Methylcyclohexane	9.606	83	71394	21.719	ug/l	97
40) Benzene	8.612	78	172674	21.472	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	24595	20.341	ug/l	97
42) 1,2-Dichloroethane	8.671	62	57861	21.484	ug/l	97
43) Isopropyl Acetate	8.694	43	81121	21.369	ug/l	98
44) Trichloroethene	9.359	130	48069	21.846	ug/l	94
45) 1,2-Dichloropropane	9.624	63	41607	21.711	ug/l	100
46) Dibromomethane	9.712	93	31108	21.461	ug/l #	87
47) Bromodichloromethane	9.894	83	60803	21.661	ug/l	97
48) Methyl methacrylate	9.683	41	37672	21.462	ug/l	94
49) 1,4-Dioxane	9.700	88	19941	400.076	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	251488	104.014	ug/l	97
52) Toluene	10.630	92	115424	22.273	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	60616	21.510	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	67390	22.018	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	45637	21.622	ug/l	95
56) Ethyl methacrylate	10.877	69	64813	22.738	ug/l	97
57) 1,3-Dichloropropane	11.165	76	73002	21.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	97686	95.025	ug/l	96
59) 2-Hexanone	11.200	43	185786	102.330	ug/l	97
60) Dibromochloromethane	11.359	129	51723	23.874	ug/l	99
61) 1,2-Dibromoethane	11.471	107	46269	21.121	ug/l	99
64) Tetrachloroethene	11.106	164	43530	20.344	ug/l	93
65) Chlorobenzene	11.894	112	125275	21.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	48504	22.460	ug/l	97
67) Ethyl Benzene	11.965	91	219862	22.271	ug/l	96
68) m/p-Xylenes	12.071	106	180391	44.998	ug/l	97
69) o-Xylene	12.400	106	88198	22.143	ug/l	98
70) Styrene	12.412	104	141873	22.579	ug/l	98
71) Bromoform	12.582	173	38000	23.119	ug/l #	98
73) Isopropylbenzene	12.700	105	228628	21.464	ug/l	98
74) N-amyl acetate	12.500	43	71285	21.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	67281	20.718	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	59292m	21.509	ug/l	
77) Bromobenzene	12.982	156	55806	21.221	ug/l	83
78) n-propylbenzene	13.041	91	254534	21.412	ug/l	98
79) 2-Chlorotoluene	13.129	91	157192	21.947	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	197426	22.309	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	17631	18.924	ug/l	97
82) 4-Chlorotoluene	13.129	91	157192	21.947	ug/l	97
83) tert-Butylbenzene	13.441	119	175555	21.757	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	200064	22.538	ug/l	99
85) sec-Butylbenzene	13.618	105	246413	22.507	ug/l	100
86) p-Isopropyltoluene	13.735	119	210305	22.831	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	108299	21.736	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	107661	21.272	ug/l	99
89) n-Butylbenzene	14.059	91	166610	21.416	ug/l	98
90) Hexachloroethane	14.335	117	34177	21.508	ug/l	76
91) 1,2-Dichlorobenzene	14.112	146	106607	21.951	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12244	19.904	ug/l	84
93) 1,2,4-Trichlorobenzene	15.400	180	54124	21.746	ug/l	98
94) Hexachlorobutadiene	15.500	225	29758	22.954	ug/l	96
95) Naphthalene	15.647	128	162694	20.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	53978	22.066	ug/l	97

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

