

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071535.D
 Acq On : 24 Mar 2022 21:58
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032522

Quant Time: Mar 25 09:54:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/28/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	732461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1167719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1057439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	444497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	445336	48.938	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.880%		
35) Dibromofluoromethane	8.016	113	363921	49.589	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.180%		
50) Toluene-d8	10.439	98	1480972	50.031	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.060%		
62) 4-Bromofluorobenzene	12.727	95	488878	50.404	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	347669	45.490	ug/l	98
3) Chloromethane	2.299	50	403653	46.891	ug/l	99
4) Vinyl Chloride	2.440	62	466614	45.271	ug/l	99
5) Bromomethane	2.834	94	297878	54.759	ug/l	96
6) Chloroethane	3.004	64	312223	45.194	ug/l	99
7) Trichlorofluoromethane	3.369	101	533368	44.836	ug/l	100
8) Diethyl Ether	3.822	74	226367	45.649	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.210	101	314619	44.144	ug/l	100
10) Methyl Iodide	4.422	142	462106	44.967	ug/l	99
11) Tert butyl alcohol	5.363	59	388974	229.375	ug/l	100
12) 1,1-Dichloroethene	4.181	96	316822	45.136	ug/l	98
13) Acrolein	4.040	56	300785	231.927	ug/l	100
14) Allyl chloride	4.840	41	517199	45.643	ug/l	100
15) Acrylonitrile	5.551	53	1037878	225.114	ug/l	100
16) Acetone	4.281	43	825980	221.439	ug/l	99
17) Carbon Disulfide	4.528	76	822029	44.900	ug/l	99
18) Methyl Acetate	4.845	43	446016	45.516	ug/l	100
19) Methyl tert-butyl Ether	5.610	73	1154242	45.976	ug/l	97
20) Methylene Chloride	5.093	84	369518	42.516	ug/l	98
21) trans-1,2-Dichloroethene	5.592	96	344438	45.214	ug/l	98
22) Diisopropyl ether	6.492	45	1077784	45.880	ug/l	99
23) Vinyl Acetate	6.428	43	4776913	236.862	ug/l	100
24) 1,1-Dichloroethane	6.387	63	642344	45.131	ug/l	99
25) 2-Butanone	7.328	43	1374248	229.634	ug/l	99
26) 2,2-Dichloropropane	7.322	77	529608	44.477	ug/l	100
27) cis-1,2-Dichloroethene	7.322	96	412626	45.430	ug/l	99
28) Bromochloromethane	7.657	49	262249	45.094	ug/l	99
29) Tetrahydrofuran	7.681	42	907942	228.166	ug/l	99
30) Chloroform	7.816	83	654407	45.866	ug/l	99
31) Cyclohexane	8.092	56	581308	44.642	ug/l	98
32) 1,1,1-Trichloroethane	8.010	97	568397	45.733	ug/l	99
36) 1,1-Dichloropropene	8.216	75	489386	46.251	ug/l	99
37) Ethyl Acetate	7.404	43	537867	46.636	ug/l	98
38) Carbon Tetrachloride	8.204	117	477316	46.277	ug/l	99
39) Methylcyclohexane	9.457	83	623579	48.036	ug/l	98
40) Benzene	8.457	78	1508780	45.808	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	255908	46.736	ug/l	99
42) 1,2-Dichloroethane	8.528	62	520046	45.266	ug/l	99
43) Isopropyl Acetate	8.557	43	859744	46.604	ug/l	99
44) Trichloroethene	9.216	130	392429	45.900	ug/l	97
45) 1,2-Dichloropropane	9.486	63	374267	45.872	ug/l	100
46) Dibromomethane	9.575	93	255292	45.973	ug/l	99
47) Bromodichloromethane	9.757	83	507446	46.622	ug/l	97
48) Methyl methacrylate	9.557	41	402676	48.362	ug/l	99
49) 1,4-Dioxane	9.563	88	178794	930.602	ug/l	98
51) 4-Methyl-2-Pentanone	10.327	43	2723516	235.867	ug/l	100
52) Toluene	10.504	92	964963	46.809	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	559491	47.805	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	614388	47.604	ug/l	99
55) 1,1,2-Trichloroethane	10.892	97	381556	45.655	ug/l	99
56) Ethyl methacrylate	10.757	69	611649	48.551	ug/l	99
57) 1,3-Dichloropropane	11.039	76	649474	46.187	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	818738	209.165	ug/l	99
59) 2-Hexanone	11.080	43	1996977	239.903	ug/l	99
60) Dibromochloromethane	11.233	129	395660	46.938	ug/l	100
61) 1,2-Dibromoethane	11.339	107	394009	46.729	ug/l	100
64) Tetrachloroethene	10.974	164	333128	45.578	ug/l	98
65) Chlorobenzene	11.769	112	1036900	46.218	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	373131	47.014	ug/l	100
67) Ethyl Benzene	11.839	91	1840639	47.789	ug/l	99
68) m/p-Xylenes	11.951	106	1425896	96.753	ug/l	100
69) o-Xylene	12.274	106	714994	48.835	ug/l	97
70) Styrene	12.292	104	1125013	49.283	ug/l	100
71) Bromoform	12.457	173	306717	49.136	ug/l #	98
73) Isopropylbenzene	12.574	105	1815724	46.333	ug/l	100
74) N-amyl acetate	12.380	43	608500	48.308	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.821	83	581354	50.054	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	509427m	51.396	ug/l	
77) Bromobenzene	12.857	156	431336	44.166	ug/l	100
78) n-propylbenzene	12.916	91	1983931	47.584	ug/l	100
79) 2-Chlorotoluene	13.004	91	1206162	44.832	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	1442446	46.629	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	178621	48.248	ug/l	98
82) 4-Chlorotoluene	13.098	91	1149026	46.389	ug/l	100
83) tert-Butylbenzene	13.321	119	1310187	46.919	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1410624	47.256	ug/l	99
85) sec-Butylbenzene	13.498	105	1757425	47.480	ug/l	99
86) p-Isopropyltoluene	13.610	119	1446000	49.008	ug/l	100
87) 1,3-Dichlorobenzene	13.610	146	722995	45.640	ug/l	100
88) 1,4-Dichlorobenzene	13.692	146	698163	44.592	ug/l	99
89) n-Butylbenzene	13.939	91	1074324	47.543	ug/l	100
90) Hexachloroethane	14.204	117	263463	45.747	ug/l	99
91) 1,2-Dichlorobenzene	13.986	146	696123	45.842	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	108181	46.685	ug/l	96
93) 1,2,4-Trichlorobenzene	15.262	180	333146	47.345	ug/l	99
94) Hexachlorobutadiene	15.362	225	193688	45.518	ug/l	98
95) Naphthalene	15.504	128	1000430	44.593	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	332005	47.553	ug/l	100

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

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