

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030524\
 Data File : VN081305.D
 Acq On : 05 Mar 2024 12:24
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2024
 Supervised By : Mahesh Dadoda 03/06/2024

Quant Time: Mar 06 02:53:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 01:47:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	345774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	618832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	561947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	252965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258077	51.620	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.240%			
35) Dibromofluoromethane	8.165	113	201480	53.142	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.280%			
50) Toluene-d8	10.571	98	765233	53.992	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.980%			
62) 4-Bromofluorobenzene	12.853	95	270863	54.072	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	246873	53.860	ug/l	93
3) Chloromethane	2.359	50	230235	46.502	ug/l	98
4) Vinyl Chloride	2.512	62	240196	46.505	ug/l	96
5) Bromomethane	2.948	94	159950	46.368	ug/l	94
6) Chloroethane	3.112	64	158348	44.636	ug/l	99
7) Trichlorofluoromethane	3.495	101	364631	47.721	ug/l	95
8) Diethyl Ether	3.953	74	131030	48.674	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.365	101	199972	45.958	ug/l	93
10) Methyl Iodide	4.589	142	204376	51.327	ug/l	97
11) Tert butyl alcohol	5.512	59	195438	223.561	ug/l	98
12) 1,1-Dichloroethene	4.336	96	190625	47.306	ug/l	92
13) Acrolein	4.177	56	248648	240.202	ug/l	100
14) Allyl chloride	5.024	41	276775	46.282	ug/l #	87
15) Acrylonitrile	5.712	53	530047	232.090	ug/l	96
16) Acetone	4.424	43	391759	221.164	ug/l	96
17) Carbon Disulfide	4.712	76	530733	46.147	ug/l	98
18) Methyl Acetate	5.018	43	249585	49.213	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	652552	47.748	ug/l	95
20) Methylene Chloride	5.283	84	215652	49.261	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	207861	45.753	ug/l	98
22) Diisopropyl ether	6.671	45	660915	49.759	ug/l #	93
23) Vinyl Acetate	6.600	43	2677840	248.167	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	381571	46.929	ug/l	95
25) 2-Butanone	7.483	43	684825	230.856	ug/l	94
26) 2,2-Dichloropropane	7.488	77	349529	48.640	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	234587	45.545	ug/l	91
28) Bromochloromethane	7.818	49	162638	46.748	ug/l #	72
29) Tetrahydrofuran	7.841	42	467101	230.915	ug/l	89
30) Chloroform	7.971	83	400293	47.442	ug/l	99
31) Cyclohexane	8.259	56	344053	45.454	ug/l #	80
32) 1,1,1-Trichloroethane	8.171	97	355466	47.662	ug/l	94
36) 1,1-Dichloropropene	8.377	75	298509	48.803	ug/l	97
37) Ethyl Acetate	7.559	43	294663	49.281	ug/l	100
38) Carbon Tetrachloride	8.365	117	310934	50.509	ug/l	94
39) Methylcyclohexane	9.600	83	356639	50.663	ug/l	94
40) Benzene	8.606	78	883871	48.412	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	158963	47.078	ug/l	96
42) 1,2-Dichloroethane	8.671	62	315006	48.935	ug/l	99
43) Isopropyl Acetate	8.688	43	503007	48.064	ug/l	98
44) Trichloroethene	9.353	130	226833	49.261	ug/l	98
45) 1,2-Dichloropropane	9.624	63	222150	48.436	ug/l	95
46) Dibromomethane	9.712	93	160699	49.709	ug/l	92
47) Bromodichloromethane	9.888	83	311257	49.596	ug/l #	97
48) Methyl methacrylate	9.682	41	228947	49.492	ug/l	90
49) 1,4-Dioxane	9.694	88	93743	919.404	ug/l #	70
51) 4-Methyl-2-Pentanone	10.447	43	1504059	247.512	ug/l	96
52) Toluene	10.635	92	553542	50.190	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	344842	50.784	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	369652	50.427	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	213171	48.741	ug/l	95
56) Ethyl methacrylate	10.876	69	330676	52.654	ug/l	92
57) 1,3-Dichloropropane	11.165	76	372596	48.813	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	896890	265.495	ug/l #	89
59) 2-Hexanone	11.194	43	1132527	249.297	ug/l	96
60) Dibromochloromethane	11.359	129	228187	50.660	ug/l	99
61) 1,2-Dibromoethane	11.471	107	225474	49.686	ug/l	97
64) Tetrachloroethene	11.106	164	209131	47.530	ug/l	89
65) Chlorobenzene	11.894	112	572138	48.316	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	212432	49.025	ug/l	97
67) Ethyl Benzene	11.965	91	1075201	50.406	ug/l	98
68) m/p-Xylenes	12.070	106	805362	100.323	ug/l	99
69) o-Xylene	12.400	106	390584	50.203	ug/l	98
70) Styrene	12.412	104	652993	52.963	ug/l	97
71) Bromoform	12.582	173	152654	50.744	ug/l #	98
73) Isopropylbenzene	12.700	105	1044804	51.149	ug/l	99
74) N-amyl acetate	12.494	43	442279	51.603	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	294259	46.678	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	281477m	45.947	ug/l	
77) Bromobenzene	12.982	156	227939	47.064	ug/l	79
78) n-propylbenzene	13.035	91	1269446	52.542	ug/l	97
79) 2-Chlorotoluene	13.129	91	732435	49.596	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	876215	51.892	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	121721	56.854	ug/l	99
82) 4-Chlorotoluene	13.223	91	729122	49.985	ug/l	95
83) tert-Butylbenzene	13.441	119	735217	50.788	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	880540	51.470	ug/l	97
85) sec-Butylbenzene	13.617	105	1093407	52.210	ug/l	94
86) p-Isopropyltoluene	13.729	119	887629	52.851	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	430703	47.097	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	431296	47.185	ug/l	97
89) n-Butylbenzene	14.059	91	810020	52.592	ug/l	97
90) Hexachloroethane	14.335	117	151855	51.644	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	414373	47.226	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	66215	49.084	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	237878	50.720	ug/l	99
94) Hexachlorobutadiene	15.500	225	93091	48.036	ug/l	97
95) Naphthalene	15.641	128	863594	51.748	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	234345	49.272	ug/l	97

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

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