

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092922\
 Data File : VN074655.D
 Acq On : 29 Sep 2022 15:20
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Sep 30 07:10:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:05:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.933	168	413672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	749560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	807425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	539050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	523608	50.505	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.000%			
35) Dibromofluoromethane	7.869	113	398971	50.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.580%			
50) Toluene-d8	10.310	98	1698241	50.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.604	95	558681	52.797	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.999	85	421743	48.699	ug/l	100
3) Chloromethane	2.216	50	596387	47.074	ug/l	99
4) Vinyl Chloride	2.351	62	904643	49.174	ug/l	96
5) Bromomethane	2.716	94	655360	51.569	ug/l	98
6) Chloroethane	2.887	64	717360	50.743	ug/l	97
7) Trichlorofluoromethane	3.240	101	606256	47.396	ug/l	97
8) Diethyl Ether	3.675	74	273910	45.133	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.045	101	351956	46.173	ug/l	88
10) Methyl Iodide	4.251	142	460118	50.800	ug/l	94
11) Tert butyl alcohol	5.169	59	654678	236.450	ug/l	99
12) 1,1-Dichloroethene	4.016	96	365085	47.253	ug/l	96
13) Acrolein	3.887	56	284395	237.699	ug/l	97
14) Allyl chloride	4.657	41	807860	48.408	ug/l	96
15) Acrylonitrile	5.363	53	1648591	252.335	ug/l	98
16) Acetone	4.122	43	1274355	227.738	ug/l	100
17) Carbon Disulfide	4.357	76	1076427	47.740	ug/l	100
18) Methyl Acetate	4.663	43	929590	48.530	ug/l	90
19) Methyl tert-butyl Ether	5.416	73	1452819	49.269	ug/l	97
20) Methylene Chloride	4.898	84	464781	43.758	ug/l #	85
21) trans-1,2-Dichloroethene	5.404	96	395501	46.859	ug/l	97
22) Diisopropyl ether	6.304	45	1677539	49.412	ug/l	94
23) Vinyl Acetate	6.245	43	7526331	252.231	ug/l #	92
24) 1,1-Dichloroethane	6.198	63	856856	49.460	ug/l	100
25) 2-Butanone	7.163	43	2364710	247.800	ug/l	91
26) 2,2-Dichloropropane	7.151	77	710192	48.204	ug/l	97
27) cis-1,2-Dichloroethene	7.151	96	483134	46.799	ug/l	94
28) Bromochloromethane	7.492	49	427739	54.377	ug/l #	70
29) Tetrahydrofuran	7.516	42	1609519	255.623	ug/l #	86
30) Chloroform	7.657	83	815938	51.106	ug/l	97
31) Cyclohexane	7.933	56	808121	47.978	ug/l	87
32) 1,1,1-Trichloroethane	7.851	97	698290	49.840	ug/l	97
36) 1,1-Dichloropropene	8.069	75	622366	48.983	ug/l	95
37) Ethyl Acetate	7.245	43	940681	49.931	ug/l #	94
38) Carbon Tetrachloride	8.057	117	593150	50.957	ug/l	92
39) Methylcyclohexane	9.316	83	784306	49.444	ug/l	97
40) Benzene	8.310	78	1960421	50.060	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.475	41	433361m	52.653	ug/l	
42) 1,2-Dichloroethane	8.380	62	645845	49.090	ug/l	98
43) Isopropyl Acetate	8.416	43	1504769	50.058	ug/l	92
44) Trichloroethene	9.075	130	413482	50.679	ug/l	88
45) 1,2-Dichloropropane	9.351	63	524509	49.198	ug/l	94
46) Dibromomethane	9.439	93	331680	49.358	ug/l #	82
47) Bromodichloromethane	9.627	83	659817	50.240	ug/l	96
48) Methyl methacrylate	9.427	41	626291	50.557	ug/l	89
49) 1,4-Dioxane	9.433	88	236899	1002.572	ug/l #	92
51) 4-Methyl-2-Pentanone	10.204	43	4863002	255.654	ug/l	91
52) Toluene	10.374	92	1231254	52.069	ug/l	99
53) t-1,3-Dichloropropene	10.592	75	781891	52.521	ug/l	100
54) cis-1,3-Dichloropropene	10.057	75	813609	49.604	ug/l	92
55) 1,1,2-Trichloroethane	10.774	97	465907	48.891	ug/l	94
56) Ethyl methacrylate	10.639	69	874846	53.219	ug/l #	87
57) 1,3-Dichloropropane	10.916	76	856358	50.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.916	63	1692484	252.181	ug/l #	88
59) 2-Hexanone	10.963	43	3729582	259.440	ug/l	89
60) Dibromochloromethane	11.110	129	476049	51.925	ug/l	97
61) 1,2-Dibromoethane	11.221	107	490301	52.504	ug/l	99
64) Tetrachloroethene	10.851	164	327365	47.957	ug/l	94
65) Chlorobenzene	11.645	112	1214013	50.251	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.716	131	442022	51.283	ug/l	99
67) Ethyl Benzene	11.721	91	2335339	51.664	ug/l	97
68) m/p-Xylenes	11.827	106	1784240	104.240	ug/l	95
69) o-Xylene	12.157	106	889335	51.689	ug/l	96
70) Styrene	12.168	104	1492258	54.381	ug/l	99
71) Bromoform	12.333	173	361790	52.349	ug/l #	97
73) Isopropylbenzene	12.457	105	2310685	45.760	ug/l	99
74) N-amyl acetate	12.268	43	1376741	44.503	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.704	83	850999	44.294	ug/l	98
76) 1,2,3-Trichloropropane	12.757	75	613696m	43.820	ug/l	
77) Bromobenzene	12.733	156	475699	43.973	ug/l	78
78) n-propylbenzene	12.798	91	2802021	48.106	ug/l	96
79) 2-Chlorotoluene	12.880	91	1620467	46.297	ug/l	96
80) 1,3,5-Trimethylbenzene	12.933	105	1980502	49.150	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.504	75	316315	49.037	ug/l	96
82) 4-Chlorotoluene	12.980	91	1575649	48.372	ug/l	99
83) tert-Butylbenzene	13.198	119	1697630	47.172	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	1941862	48.256	ug/l	99
85) sec-Butylbenzene	13.374	105	2486894	49.175	ug/l	97
86) p-Isopropyltoluene	13.492	119	1991929	49.717	ug/l	97
87) 1,3-Dichlorobenzene	13.486	146	954896	48.648	ug/l	98
88) 1,4-Dichlorobenzene	13.568	146	951315	47.420	ug/l	97
89) n-Butylbenzene	13.815	91	1768037	50.019	ug/l	96
90) Hexachloroethane	14.086	117	396444	45.985	ug/l	77
91) 1,2-Dichlorobenzene	13.862	146	967277	47.222	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.474	75	176344	45.553	ug/l	86
93) 1,2,4-Trichlorobenzene	15.127	180	432723	47.286	ug/l	99
94) Hexachlorobutadiene	15.233	225	187730	41.913	ug/l	99
95) Naphthalene	15.362	128	1785983	49.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.551	180	437610	48.036	ug/l	97

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

