

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090622\
 Data File : VN074344.D
 Acq On : 06 Sep 2022 16:57
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/07/2022
 Supervised By : Mahesh Dadoda 09/07/2022

Quant Time: Sep 07 02:42:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090622W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 02:37:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	563617	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	1068054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	933957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	371864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	50427	5.795	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.600%#		
35) Dibromofluoromethane	7.957	113	37325	5.253	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.500%#		
50) Toluene-d8	10.375	98	136847	4.953	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.900%#		
62) 4-Bromofluorobenzene	12.674	95	42108	4.743	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.480%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	37959	6.697	ug/l	94
3) Chloromethane	2.269	50	38108	5.039	ug/l	94
4) Vinyl Chloride	2.404	62	60185	4.400	ug/l	97
5) Bromomethane	2.787	94	25940	2.942	ug/l	94
6) Chloroethane	2.957	64	53630	5.053	ug/l	98
7) Trichlorofluoromethane	3.310	101	68200	6.469	ug/l	100
8) Diethyl Ether	3.763	74	25560	6.022	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.134	101	40005	6.324	ug/l	93
10) Methyl Iodide	4.340	142	12016	3.500	ug/l	# 48
11) Tert butyl alcohol	5.287	59	45770	28.363	ug/l	99
12) 1,1-Dichloroethene	4.110	96	37469	6.512	ug/l	# 89
13) Acrolein	3.975	56	50406	41.810	ug/l	99
14) Allyl chloride	4.751	41	53078	5.831	ug/l	94
15) Acrylonitrile	5.481	53	125954	28.355	ug/l	98
16) Acetone	4.228	43	110317	29.544	ug/l	98
17) Carbon Disulfide	4.457	76	96647	6.696	ug/l	97
18) Methyl Acetate	4.781	43	62195	5.609	ug/l	100
19) Methyl tert-butyl Ether	5.534	73	116333	5.244	ug/l	# 88
20) Methylene Chloride	5.016	84	46452	5.957	ug/l	# 86
21) trans-1,2-Dichloroethene	5.510	96	40635	6.270	ug/l	96
22) Diisopropyl ether	6.410	45	112931	5.373	ug/l	# 90
23) Vinyl Acetate	6.351	43	456797	25.071	ug/l	99
24) 1,1-Dichloroethane	6.304	63	74223	5.811	ug/l	96
25) 2-Butanone	7.263	43	169551	27.326	ug/l	98
26) 2,2-Dichloropropane	7.245	77	55064	5.368	ug/l	97
27) cis-1,2-Dichloroethene	7.251	96	46100	5.608	ug/l	97
28) Bromochloromethane	7.581	49	28348	6.446	ug/l	91
29) Tetrahydrofuran	7.616	42	103563	25.995	ug/l	95
30) Chloroform	7.745	83	81103	5.746	ug/l	92
31) Cyclohexane	8.022	56	76955	6.392	ug/l	# 73
32) 1,1,1-Trichloroethane	7.945	97	67291	5.735	ug/l	98
36) 1,1-Dichloropropene	8.151	75	52840	5.179	ug/l	97
37) Ethyl Acetate	7.334	43	67690	5.129	ug/l	99
38) Carbon Tetrachloride	8.134	117	57614	5.535	ug/l	99
39) Methylcyclohexane	9.392	83	61957	5.032	ug/l	97
40) Benzene	8.386	78	180174	5.621	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	25839	4.256	ug/l #	86
42) 1,2-Dichloroethane	8.457	62	64725	5.433	ug/l	99
43) Isopropyl Acetate	8.492	43	86177	4.546	ug/l	99
44) Trichloroethene	9.151	130	41815	5.447	ug/l	88
45) 1,2-Dichloropropane	9.428	63	42798	5.392	ug/l	93
46) Dibromomethane	9.510	93	31356	5.175	ug/l #	83
47) Bromodichloromethane	9.698	83	61221	5.481	ug/l	95
48) Methyl methacrylate	9.498	41	37990	4.488	ug/l #	88
49) 1,4-Dioxane	9.510	88	23083	104.934	ug/l	93
51) 4-Methyl-2-Pentanone	10.269	43	308789	23.382	ug/l	98
52) Toluene	10.445	92	104153	5.263	ug/l	97
53) t-1,3-Dichloropropene	10.663	75	51935	4.614	ug/l	89
54) cis-1,3-Dichloropropene	10.128	75	58570	4.712	ug/l	96
55) 1,1,2-Trichloroethane	10.839	97	44049	5.218	ug/l	96
56) Ethyl methacrylate	10.698	69	58632	4.665	ug/l	97
57) 1,3-Dichloropropane	10.986	76	75756	5.218	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.980	63	135107	22.234	ug/l	96
59) 2-Hexanone	11.027	43	233765	23.378	ug/l	97
60) Dibromochloromethane	11.180	129	42482	5.024	ug/l	96
61) 1,2-Dibromoethane	11.286	107	42765	5.033	ug/l	100
64) Tetrachloroethene	10.916	164	32862	5.483	ug/l	90
65) Chlorobenzene	11.710	112	111358	5.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	40087	5.255	ug/l	98
67) Ethyl Benzene	11.780	91	187590	4.949	ug/l	99
68) m/p-Xylenes	11.892	106	142678	10.024	ug/l	97
69) o-Xylene	12.216	106	70674	4.990	ug/l	98
70) Styrene	12.233	104	110126	4.869	ug/l	99
71) Bromoform	12.392	173	28471	5.120	ug/l #	97
73) Isopropylbenzene	12.516	105	171333	5.231	ug/l	98
74) N-amyl acetate	12.327	43	59381	4.345	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.769	83	69631	5.765	ug/l	99
76) 1,2,3-Trichloropropane	12.816	75	49106m	4.650	ug/l	
77) Bromobenzene	12.798	156	39920	5.492	ug/l	82
78) n-propylbenzene	12.863	91	187901	5.041	ug/l	97
79) 2-Chlorotoluene	12.945	91	128513	5.571	ug/l	94
80) 1,3,5-Trimethylbenzene	12.998	105	140218	5.326	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.569	75	16010	4.911	ug/l #	85
82) 4-Chlorotoluene	13.045	91	114850	5.316	ug/l	96
83) tert-Butylbenzene	13.263	119	120703	5.060	ug/l	92
84) 1,2,4-Trimethylbenzene	13.304	105	140172	5.270	ug/l	96
85) sec-Butylbenzene	13.439	105	174005	5.239	ug/l	95
86) p-Isopropyltoluene	13.557	119	130551	5.031	ug/l	96
87) 1,3-Dichlorobenzene	13.551	146	72388	5.463	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	71724	5.081	ug/l	89
89) n-Butylbenzene	13.880	91	101108	4.495	ug/l	93
90) Hexachloroethane	14.145	117	25929	5.124	ug/l	80
91) 1,2-Dichlorobenzene	13.927	146	75731	5.421	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.545	75	13639	5.168	ug/l	80
93) 1,2,4-Trichlorobenzene	15.198	180	30598	4.231	ug/l	96
94) Hexachlorobutadiene	15.298	225	16616	5.223	ug/l	98
95) Naphthalene	15.433	128	106193	3.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	32588	4.230	ug/l	97

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

