

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090622\
 Data File : VN074348.D
 Acq On : 06 Sep 2022 18:34
 Operator : JC\MD
 Sample : VSTDICC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC075

Manual Integrations
 APPROVED

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

Quant Time: Sep 07 02:43:12 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	706739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	1269626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	1167671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	542912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	775743	71.097	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 142.200%#			
35) Dibromofluoromethane	7.951	113	647488	76.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 153.300%#			
50) Toluene-d8	10.380	98	2388488	72.726	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 145.460%#			
62) 4-Bromofluorobenzene	12.668	95	873241	82.749	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 165.500%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	659858	92.840	ug/l	99
3) Chloromethane	2.269	50	637624	67.244	ug/l	99
4) Vinyl Chloride	2.404	62	906978	52.885	ug/l	97
5) Bromomethane	2.781	94	361141	32.669	ug/l	99
6) Chloroethane	2.946	64	626707	47.095	ug/l	97
7) Trichlorofluoromethane	3.304	101	1014358	76.730	ug/l	99
8) Diethyl Ether	3.763	74	398355	74.841	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.134	101	601072	75.771	ug/l	94
10) Methyl Iodide	4.345	142	428340	99.497	ug/l	91
11) Tert butyl alcohol	5.287	59	795004	392.886	ug/l	100
12) 1,1-Dichloroethene	4.110	96	586356	81.264	ug/l	93
13) Acrolein	3.975	56	817951	541.060	ug/l	99
14) Allyl chloride	4.763	41	915681	80.216	ug/l	96
15) Acrylonitrile	5.469	53	2126556	381.787	ug/l	99
16) Acetone	4.222	43	1714912	366.270	ug/l	97
17) Carbon Disulfide	4.451	76	1574272	86.981	ug/l	100
18) Methyl Acetate	4.769	43	935099	67.255	ug/l	98
19) Methyl tert-butyl Ether	5.534	73	2159449	77.625	ug/l	96
20) Methylene Chloride	5.010	84	696535	71.239	ug/l	99
21) trans-1,2-Dichloroethene	5.510	96	645461	79.423	ug/l	98
22) Diisopropyl ether	6.410	45	2050070	77.786	ug/l	98
23) Vinyl Acetate	6.351	43	9038741	395.628	ug/l	100
24) 1,1-Dichloroethane	6.304	63	1227641	76.656	ug/l	99
25) 2-Butanone	7.257	43	2906818	373.607	ug/l	96
26) 2,2-Dichloropropane	7.245	77	925916	71.991	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	785199	76.168	ug/l	98
28) Bromochloromethane	7.581	49	336068	60.942	ug/l	95
29) Tetrahydrofuran	7.610	42	1930958	386.531	ug/l	97
30) Chloroform	7.745	83	1339491	75.686	ug/l	100
31) Cyclohexane	8.022	56	1110579	73.571	ug/l	100
32) 1,1,1-Trichloroethane	7.939	97	1161944	78.978	ug/l	100
36) 1,1-Dichloropropene	8.151	75	972594	80.188	ug/l	99
37) Ethyl Acetate	7.334	43	1119747	71.379	ug/l	99
38) Carbon Tetrachloride	8.133	117	1024732	82.811	ug/l	99
39) Methylcyclohexane	9.392	83	1208617	82.584	ug/l	98
40) Benzene	8.392	78	2948300	77.374	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	492185	68.204	ug/l	94
42) 1,2-Dichloroethane	8.463	62	1035905	73.143	ug/l	99
43) Isopropyl Acetate	8.492	43	1651203	73.280	ug/l	99
44) Trichloroethene	9.151	130	708651	77.655	ug/l	94
45) 1,2-Dichloropropane	9.428	63	713592	75.631	ug/l	99
46) Dibromomethane	9.516	93	534570	74.212	ug/l #	88
47) Bromodichloromethane	9.704	83	1054696	79.427	ug/l	100
48) Methyl methacrylate	9.498	41	756097	75.144	ug/l	93
49) 1,4-Dioxane	9.504	88	413069	1579.660	ug/l	94
51) 4-Methyl-2-Pentanone	10.269	43	5705754	363.457	ug/l	99
52) Toluene	10.445	92	1907465	81.083	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	1120316	83.724	ug/l	100
54) cis-1,3-Dichloropropene	10.127	75	1220151	82.583	ug/l	97
55) 1,1,2-Trichloroethane	10.839	97	762718	76.006	ug/l	98
56) Ethyl methacrylate	10.704	69	1242604	83.166	ug/l	98
57) 1,3-Dichloropropane	10.986	76	1303696	75.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	2779492	384.784	ug/l	98
59) 2-Hexanone	11.027	43	4449178	374.309	ug/l	99
60) Dibromochloromethane	11.180	129	825982	82.166	ug/l	99
61) 1,2-Dibromoethane	11.286	107	800560	79.266	ug/l	100
64) Tetrachloroethene	10.916	164	590509	78.803	ug/l	93
65) Chlorobenzene	11.710	112	2019228	77.849	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	734444	77.010	ug/l	99
67) Ethyl Benzene	11.786	91	3709308	78.275	ug/l	100
68) m/p-Xylenes	11.892	106	2856526	160.514	ug/l	98
69) o-Xylene	12.221	106	1410299	79.648	ug/l	98
70) Styrene	12.233	104	2342572	82.844	ug/l	99
71) Bromoform	12.398	173	584191	84.026	ug/l	99
73) Isopropylbenzene	12.516	105	3677913	76.906	ug/l	98
74) N-amyl acetate	12.327	43	1419634	71.144	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.768	83	1231518	69.843	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	1170024m	75.894	ug/l	
77) Bromobenzene	12.798	156	801572	75.536	ug/l	88
78) n-propylbenzene	12.857	91	4237957	77.879	ug/l	98
79) 2-Chlorotoluene	12.945	91	2502058	74.291	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	3081170	80.163	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.568	75	382229	80.300	ug/l	98
82) 4-Chlorotoluene	13.045	91	2441507	77.402	ug/l	98
83) tert-Butylbenzene	13.263	119	2684248	77.077	ug/l	96
84) 1,2,4-Trimethylbenzene	13.304	105	3097168	79.752	ug/l	96
85) sec-Butylbenzene	13.439	105	3830094	78.990	ug/l	98
86) p-Isopropyltoluene	13.551	119	3164575	83.526	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	1485145	76.768	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	1463284	71.003	ug/l	98
89) n-Butylbenzene	13.880	91	2702648	82.289	ug/l	98
90) Hexachloroethane	14.145	117	569265	77.051	ug/l	80
91) 1,2-Dichlorobenzene	13.921	146	1503288	73.711	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	293698	76.224	ug/l	88
93) 1,2,4-Trichlorobenzene	15.192	180	821556	77.820	ug/l	98
94) Hexachlorobutadiene	15.298	225	354257	76.271	ug/l	99
95) Naphthalene	15.433	128	3181753	76.020	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	828204	73.637	ug/l	98

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

