

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102022\
 Data File : VN074948.D
 Acq On : 20 Oct 2022 17:40
 Operator : JC\MD
 Sample : VSTDIC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC075

Quant Time: Oct 21 03:08:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 03:02:02 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/21/2022
 Supervised By : Mahesh Dadoda 10/21/2022

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	475735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	845530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	960811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	741611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	925037	80.934	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 161.860%#			
35) Dibromofluoromethane	8.171	113	761448	82.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 164.800%#			
50) Toluene-d8	10.571	98	3057851	82.577	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 165.160%#			
62) 4-Bromofluorobenzene	12.853	95	1146641	107.703	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 215.400%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	486461	61.154	ug/l	95
3) Chloromethane	2.377	50	552324	47.625	ug/l	98
4) Vinyl Chloride	2.524	62	849746	46.427	ug/l	100
5) Bromomethane	2.918	94	688691	38.758	ug/l	98
6) Chloroethane	3.095	64	638082	38.286	ug/l	92
7) Trichlorofluoromethane	3.489	101	918477	72.188	ug/l	100
8) Diethyl Ether	3.971	74	385017	68.239	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	540627	69.839	ug/l	99
10) Methyl Iodide	4.594	142	768125	71.459	ug/l	100
11) Tert butyl alcohol	5.547	59	937797	351.387	ug/l	99
12) 1,1-Dichloroethene	4.347	96	489173	65.115	ug/l	93
13) Acrolein	4.194	56	490434	279.957	ug/l	96
14) Allyl chloride	5.030	41	829468	60.376	ug/l	97
15) Acrylonitrile	5.730	53	2005459	323.890	ug/l	98
16) Acetone	4.442	43	1552508	292.574	ug/l	99
17) Carbon Disulfide	4.712	76	997463	60.597	ug/l	100
18) Methyl Acetate	5.036	43	1108531	58.940	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	2303942	79.184	ug/l	98
20) Methylene Chloride	5.283	84	637152	59.389	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	589861	71.834	ug/l	92
22) Diisopropyl ether	6.683	45	1942662	66.204	ug/l	99
23) Vinyl Acetate	6.612	43	8092030m	343.305	ug/l	
24) 1,1-Dichloroethane	6.577	63	1182067	68.860	ug/l	98
25) 2-Butanone	7.488	43	2692533	311.916	ug/l	97
26) 2,2-Dichloropropane	7.500	77	1109428	81.366	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	764819	73.259	ug/l	99
28) Bromochloromethane	7.824	49	534830	69.433	ug/l	96
29) Tetrahydrofuran	7.847	42	1726398	297.658	ug/l	97
30) Chloroform	7.971	83	1358646	76.788	ug/l	100
31) Cyclohexane	8.259	56	887006	63.117	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	1236017	82.440	ug/l	97
36) 1,1-Dichloropropene	8.377	75	902609	71.559	ug/l	98
37) Ethyl Acetate	7.571	43	1055736	62.361	ug/l	100
38) Carbon Tetrachloride	8.365	117	1021466	81.400	ug/l	97
39) Methylcyclohexane	9.606	83	1099464	76.616	ug/l	98
40) Benzene	8.612	78	2799137	69.231	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	547047	61.474	ug/l	98
42) 1,2-Dichloroethane	8.677	62	1036066	76.539	ug/l	97
43) Isopropyl Acetate	8.694	43	1698273	62.030	ug/l	99
44) Trichloroethene	9.353	130	676367	74.056	ug/l	92
45) 1,2-Dichloropropane	9.624	63	735125	67.169	ug/l	95
46) Dibromomethane	9.712	93	539483	76.773	ug/l	99
47) Bromodichloromethane	9.888	83	1103653	78.283	ug/l	99
48) Methyl methacrylate	9.682	41	772866	63.092	ug/l	97
49) 1,4-Dioxane	9.700	88	443839	1614.995	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	5784072	326.521	ug/l	99
52) Toluene	10.635	92	1943849	78.110	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	1205976	83.368	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	1223510	78.385	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	812765	78.879	ug/l	94
56) Ethyl methacrylate	10.876	69	1306914	79.695	ug/l	94
57) 1,3-Dichloropropane	11.165	76	1348409	74.149	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	2779591	413.010	ug/l	99
59) 2-Hexanone	11.200	43	4404691	338.097	ug/l	98
60) Dibromochloromethane	11.359	129	927707	92.006	ug/l	98
61) 1,2-Dibromoethane	11.470	107	847252	84.814	ug/l	99
64) Tetrachloroethene	11.106	164	518312	64.877	ug/l	97
65) Chlorobenzene	11.894	112	2139715	78.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	835133	82.633	ug/l	98
67) Ethyl Benzene	11.965	91	3884826	81.017	ug/l	100
68) m/p-Xylenes	12.070	106	3161969	174.225	ug/l	97
69) o-Xylene	12.400	106	1590718	84.334	ug/l	100
70) Styrene	12.412	104	2663421	90.748	ug/l	98
71) Bromoform	12.576	173	692151	96.712	ug/l	98
73) Isopropylbenzene	12.700	105	4208793	63.859	ug/l	99
74) N-amyl acetate	12.494	43	1589379	48.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	1409449	54.811	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	1262250m	67.718	ug/l	
77) Bromobenzene	12.982	156	929419	63.310	ug/l	93
78) n-propylbenzene	13.035	91	4833332	65.352	ug/l	99
79) 2-Chlorotoluene	13.129	91	2888595	68.615	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	3636426	70.557	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	465806m	67.632	ug/l	
82) 4-Chlorotoluene	13.129	91	2888595	68.615	ug/l	100
83) tert-Butylbenzene	13.441	119	3311745	69.057	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	3785248	76.763	ug/l	100
85) sec-Butylbenzene	13.617	105	4753710	72.946	ug/l	99
86) p-Isopropyltoluene	13.729	119	4094244	83.042	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	1973810	80.639	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	1940116	78.952	ug/l	99
89) n-Butylbenzene	14.059	91	3419451	83.778	ug/l	99
90) Hexachloroethane	14.335	117	724650	69.905	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	1944040	78.769	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	340354	82.215	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	894574	73.390	ug/l	98
94) Hexachlorobutadiene	15.500	225	407272	65.325	ug/l	98
95) Naphthalene	15.641	128	3570651	78.472	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	885554	71.234	ug/l	99

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

