

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
 Data File : VN074738.D
 Acq On : 05 Oct 2022 12:59
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 06 04:40:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 04:37:19 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/06/2022
 Supervised By : Mahesh Dadoda 10/06/2022

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	328133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	615926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	643561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	358737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	161302	20.747	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	41.500%#		
35) Dibromofluoromethane	8.177	113	125694	19.944	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.880%#		
50) Toluene-d8	10.571	98	534959	20.034	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.060%#		
62) 4-Bromofluorobenzene	12.853	95	156560	19.288	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.580%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	137238	20.394	ug/l	95
3) Chloromethane	2.383	50	199370	19.922	ug/l	95
4) Vinyl Chloride	2.530	62	248279	20.037	ug/l	97
5) Bromomethane	2.953	94	179254	20.516	ug/l	86
6) Chloroethane	3.130	64	188177	20.426	ug/l	96
7) Trichlorofluoromethane	3.506	101	191118	19.441	ug/l	97
8) Diethyl Ether	3.983	74	96105	18.865	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	120170	20.087	ug/l	99
10) Methyl Iodide	4.612	142	150211	20.705	ug/l	98
11) Tert butyl alcohol	5.559	59	253700	98.452	ug/l #	89
12) 1,1-Dichloroethene	4.359	96	119824	18.756	ug/l	87
13) Acrolein	4.206	56	66232	85.669	ug/l	95
14) Allyl chloride	5.047	41	266998	20.089	ug/l	99
15) Acrylonitrile	5.741	53	568345	100.070	ug/l	98
16) Acetone	4.459	43	438493	99.522	ug/l	99
17) Carbon Disulfide	4.730	76	345704	19.865	ug/l	96
18) Methyl Acetate	5.059	43	329983	20.229	ug/l	99
19) Methyl tert-butyl Ether	5.824	73	491919	19.855	ug/l	99
20) Methylene Chloride	5.306	84	162308	19.917	ug/l #	87
21) trans-1,2-Dichloroethene	5.812	96	137123	19.437	ug/l	88
22) Diisopropyl ether	6.694	45	560882	20.348	ug/l	97
23) Vinyl Acetate	6.624	43	2403694	105.265	ug/l	99
24) 1,1-Dichloroethane	6.588	63	288296	20.115	ug/l	98
25) 2-Butanone	7.500	43	802729	100.388	ug/l	98
26) 2,2-Dichloropropane	7.500	77	231897	19.617	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	162923	20.091	ug/l	98
28) Bromochloromethane	7.824	49	138194	21.370	ug/l	98
29) Tetrahydrofuran	7.853	42	569947	102.268	ug/l	99
30) Chloroform	7.977	83	261823	19.945	ug/l	96
31) Cyclohexane	8.265	56	268556	19.985	ug/l	96
32) 1,1,1-Trichloroethane	8.182	97	228029	20.379	ug/l	97
36) 1,1-Dichloropropene	8.388	75	200907	19.928	ug/l	96
37) Ethyl Acetate	7.500	43	802729	19.190	ug/l #	50
38) Carbon Tetrachloride	8.371	117	182501	19.213	ug/l	97
39) Methylcyclohexane	9.606	83	261065	20.007	ug/l	97
40) Benzene	8.618	78	652028	19.996	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	152523	19.163	ug/l	96
42) 1,2-Dichloroethane	8.682	62	204615	19.991	ug/l	99
43) Isopropyl Acetate	8.700	43	501973	20.105	ug/l	99
44) Trichloroethene	9.365	130	139144	20.488	ug/l	84
45) 1,2-Dichloropropane	9.629	63	181597	20.568	ug/l	99
46) Dibromomethane	9.718	93	106340	20.525	ug/l	99
47) Bromodichloromethane	9.888	83	207839	19.635	ug/l	98
48) Methyl methacrylate	9.618	41	205987	20.095	ug/l #	98
49) 1,4-Dioxane	9.700	88	90286	406.393	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	1612308	100.280	ug/l	99
52) Toluene	10.635	92	399685	20.404	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	249130	19.753	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	268201	19.697	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	156544	19.875	ug/l	94
56) Ethyl methacrylate	10.876	69	276632	19.284	ug/l	97
57) 1,3-Dichloropropane	11.165	76	280132	19.733	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	508022	98.184	ug/l	99
59) 2-Hexanone	11.200	43	1219404	100.270	ug/l	100
60) Dibromochloromethane	11.359	129	159212	20.519	ug/l	95
61) 1,2-Dibromoethane	11.470	107	156577	19.550	ug/l	97
64) Tetrachloroethene	11.106	164	98782	18.908	ug/l	93
65) Chlorobenzene	11.894	112	387675	19.663	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	141854	19.705	ug/l	98
67) Ethyl Benzene	11.965	91	727452	19.795	ug/l	97
68) m/p-Xylenes	12.076	106	558926	40.516	ug/l	95
69) o-Xylene	12.400	106	277513	19.608	ug/l	96
70) Styrene	12.412	104	442679	19.840	ug/l	99
71) Bromoform	12.582	173	107026	19.490	ug/l #	99
73) Isopropylbenzene	12.700	105	696479	20.176	ug/l	99
74) N-amyl acetate	12.494	43	411747	19.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	265440	19.428	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	236153m	21.188	ug/l	
77) Bromobenzene	12.982	156	146183	20.496	ug/l	97
78) n-propylbenzene	13.041	91	798382	20.075	ug/l	99
79) 2-Chlorotoluene	13.129	91	474040	19.657	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	560705	20.366	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	110635	20.132	ug/l	91
82) 4-Chlorotoluene	13.223	91	444117	19.862	ug/l	98
83) tert-Butylbenzene	13.441	119	490082	20.599	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	564887	20.292	ug/l	99
85) sec-Butylbenzene	13.617	105	710939	20.563	ug/l	99
86) p-Isopropyltoluene	13.729	119	547876	20.535	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	268051	19.579	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	263522	20.378	ug/l	97
89) n-Butylbenzene	14.059	91	474540	20.179	ug/l	97
90) Hexachloroethane	14.335	117	114337	19.167	ug/l	97
91) 1,2-Dichlorobenzene	14.111	146	263135	19.958	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	55306	19.206	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	115480	20.023	ug/l	96
94) Hexachlorobutadiene	15.500	225	53359	19.778	ug/l	97
95) Naphthalene	15.641	128	525074	21.059	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	118042	19.045	ug/l	99

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

