

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075550.D
 Acq On : 02 Dec 2022 22:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 03 00:40:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	154294	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	248630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	228743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	40977	49.475	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.960%		
35) Dibromofluoromethane	8.171	113	52434	53.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.360%		
50) Toluene-d8	10.571	98	114850	52.209	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.420%		
62) 4-Bromofluorobenzene	12.853	95	87023	53.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	67874	57.529	ug/l	100
3) Chloromethane	2.371	50	85616	58.319	ug/l	100
4) Vinyl Chloride	2.524	62	102654	55.483	ug/l	97
5) Bromomethane	2.930	94	93400	57.407	ug/l	100
6) Chloroethane	3.106	64	77439	55.238	ug/l	100
7) Trichlorofluoromethane	3.500	101	143158	54.162	ug/l	100
8) Diethyl Ether	3.971	74	51331	55.409	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	80104	54.898	ug/l	92
10) Methyl Iodide	4.589	142	133162	56.319	ug/l	95
11) Tert butyl alcohol	5.541	59	86220	247.985	ug/l	# 84
12) 1,1-Dichloroethene	4.353	96	75917	53.132	ug/l	92
13) Acrolein	4.189	56	91402	301.769	ug/l	99
14) Allyl chloride	5.036	41	101045m	54.672	ug/l	
15) Acrylonitrile	5.730	53	211953	265.713	ug/l	98
16) Acetone	4.442	43	164655	213.136	ug/l	95
17) Carbon Disulfide	4.724	76	199060	53.607	ug/l	98
18) Methyl Acetate	5.036	43	110927	57.142	ug/l	96
19) Methyl tert-butyl Ether	5.806	73	271619	53.662	ug/l	98
20) Methylene Chloride	5.289	84	90152	57.746	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	84826	52.092	ug/l	93
22) Diisopropyl ether	6.683	45	225838	53.546	ug/l	98
23) Vinyl Acetate	6.612	43	820560	244.548	ug/l	98
24) 1,1-Dichloroethane	6.583	63	144425	53.348	ug/l	97
25) 2-Butanone	7.488	43	265084	245.777	ug/l	97
26) 2,2-Dichloropropane	7.494	77	118972	47.286	ug/l	87
27) cis-1,2-Dichloroethene	7.494	96	238526	129.543	ug/l	86
28) Bromochloromethane	7.818	49	55174	50.209	ug/l	84
29) Tetrahydrofuran	7.841	42	172781	263.366	ug/l	97
30) Chloroform	7.971	83	161833	52.055	ug/l	98
31) Cyclohexane	8.265	56	126119	47.928	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	151826	53.786	ug/l	94
36) 1,1-Dichloropropene	8.377	75	115250	54.109	ug/l	97
37) Ethyl Acetate	7.565	43	103475	53.953	ug/l	97
38) Carbon Tetrachloride	8.365	117	138260	59.091	ug/l	98
39) Methylcyclohexane	9.606	83	152003	57.021	ug/l	95
40) Benzene	8.612	78	354035	54.289	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	55987	57.099	ug/l	97
42) 1,2-Dichloroethane	8.677	62	116799	53.478	ug/l	95
43) Isopropyl Acetate	8.694	43	172597	56.067	ug/l	96
44) Trichloroethene	9.359	130	181127	101.507	ug/l	91
45) 1,2-Dichloropropane	9.624	63	84908	54.636	ug/l	99
46) Dibromomethane	9.712	93	65872	56.040	ug/l #	89
47) Bromodichloromethane	9.888	83	131218	57.645	ug/l	100
48) Methyl methacrylate	9.682	41	78813	55.368	ug/l	94
49) 1,4-Dioxane	9.700	88	43340	1072.253	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	549044	280.022	ug/l	97
52) Toluene	10.629	92	239375	56.962	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	131753	57.654	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	142740	57.510	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	95716	55.922	ug/l	96
56) Ethyl methacrylate	10.876	69	140517	60.791	ug/l	95
57) 1,3-Dichloropropane	11.165	76	152422	54.615	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	210586	252.608	ug/l	96
59) 2-Hexanone	11.200	43	410139	278.569	ug/l	96
60) Dibromochloromethane	11.365	129	108840	61.951	ug/l	99
61) 1,2-Dibromoethane	11.470	107	100093	56.342	ug/l	100
64) Tetrachloroethene	11.106	164	83436	47.765	ug/l	95
65) Chlorobenzene	11.894	112	257511	54.512	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	102292	58.019	ug/l	99
67) Ethyl Benzene	11.965	91	466501	57.884	ug/l	98
68) m/p-Xylenes	12.076	106	378636	115.692	ug/l	100
69) o-Xylene	12.400	106	188921	58.098	ug/l	96
70) Styrene	12.412	104	304546	59.369	ug/l	98
71) Bromoform	12.582	173	85340	63.599	ug/l #	99
73) Isopropylbenzene	12.700	105	486567	56.457	ug/l	98
74) N-amyl acetate	12.494	43	153465	57.920	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	146724	55.841	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	125269m	56.165	ug/l	
77) Bromobenzene	12.982	156	117943	55.432	ug/l	85
78) n-propylbenzene	13.035	91	534708	55.593	ug/l	97
79) 2-Chlorotoluene	13.129	91	322091	55.579	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	415042	57.965	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	42051	55.784	ug/l	99
82) 4-Chlorotoluene	13.129	91	322091	55.579	ug/l	96
83) tert-Butylbenzene	13.441	119	368909	56.508	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	414086	57.654	ug/l	99
85) sec-Butylbenzene	13.617	105	511260	57.716	ug/l	98
86) p-Isopropyltoluene	13.729	119	437915	58.758	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	218611	54.228	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	218384	53.328	ug/l	98
89) n-Butylbenzene	14.059	91	340286	54.059	ug/l	98
90) Hexachloroethane	14.335	117	79576	61.892	ug/l	83
91) 1,2-Dichlorobenzene	14.106	146	218256	55.542	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	28717	57.696	ug/l	82
93) 1,2,4-Trichlorobenzene	15.394	180	111248	55.244	ug/l	97
94) Hexachlorobutadiene	15.506	225	59280	56.515	ug/l	97
95) Naphthalene	15.641	128	356214	56.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	108702	54.922	ug/l	98

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

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