

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075489.D
 Acq On : 30 Nov 2022 08:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2022
 Supervised By : Mahesh Dadoda 12/01/2022

Quant Time: Dec 01 01:54:06 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	8.230	168	153924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	250858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	40097	48.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.060%		
35) Dibromofluoromethane	8.171	113	51745	52.509	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.020%		
50) Toluene-d8	10.565	98	113188	50.997	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.000%		
62) 4-Bromofluorobenzene	12.847	95	86398	52.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	52718	44.790	ug/l	100
3) Chloromethane	2.371	50	60022	40.984	ug/l	99
4) Vinyl Chloride	2.524	62	82483	44.688	ug/l	94
5) Bromomethane	2.936	94	75785	46.692	ug/l	98
6) Chloroethane	3.112	64	62600	44.760	ug/l	95
7) Trichlorofluoromethane	3.501	101	125691	47.668	ug/l	92
8) Diethyl Ether	3.971	74	44499	48.150	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	73278	50.340	ug/l	93
10) Methyl Iodide	4.595	142	113192	47.988	ug/l	97
11) Tert butyl alcohol	5.524	59	66994	193.151	ug/l	98
12) 1,1-Dichloroethene	4.348	96	67614	47.434	ug/l	86
13) Acrolein	4.183	56	91844	303.957	ug/l	100
14) Allyl chloride	5.036	41	91711m	49.741	ug/l	
15) Acrylonitrile	5.724	53	190093	238.882	ug/l	97
16) Acetone	4.436	43	208608	270.680	ug/l	94
17) Carbon Disulfide	4.718	76	156884	42.350	ug/l	99
18) Methyl Acetate	5.036	43	96646	49.737	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	246773	48.871	ug/l	99
20) Methylene Chloride	5.283	84	77832	49.797	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	75882	46.712	ug/l	93
22) Diisopropyl ether	6.677	45	209341	49.754	ug/l	97
23) Vinyl Acetate	6.612	43	832106m	248.585	ug/l	
24) 1,1-Dichloroethane	6.577	63	134697	49.875	ug/l	98
25) 2-Butanone	7.488	43	262661	244.116	ug/l	100
26) 2,2-Dichloropropane	7.494	77	122441	48.782	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	90633	49.341	ug/l	95
28) Bromochloromethane	7.818	49	52560	47.945	ug/l	82
29) Tetrahydrofuran	7.841	42	154217	235.634	ug/l	99
30) Chloroform	7.971	83	150519	48.532	ug/l	97
31) Cyclohexane	8.259	56	116658	44.440	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	138767	49.278	ug/l	96
36) 1,1-Dichloropropene	8.377	75	108294	50.392	ug/l	97
37) Ethyl Acetate	7.559	43	93584	48.362	ug/l	98
38) Carbon Tetrachloride	8.365	117	123891	52.479	ug/l	99
39) Methylcyclohexane	9.600	83	139990	52.048	ug/l	97
40) Benzene	8.612	78	333775	50.728	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	49312	49.845	ug/l	94
42) 1,2-Dichloroethane	8.677	62	111415	50.560	ug/l	97
43) Isopropyl Acetate	8.688	43	157892	50.834	ug/l	96
44) Trichloroethene	9.353	130	88814	49.331	ug/l	97
45) 1,2-Dichloropropane	9.624	63	81703	52.107	ug/l	98
46) Dibromomethane	9.712	93	62113	52.372	ug/l	93
47) Bromodichloromethane	9.888	83	118362	51.535	ug/l	99
48) Methyl methacrylate	9.682	41	73309	51.044	ug/l	96
49) 1,4-Dioxane	9.694	88	37011	907.538	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	500882	253.190	ug/l	97
52) Toluene	10.629	92	221663	52.278	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	126404	54.822	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	134737	53.803	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	89195	51.649	ug/l	97
56) Ethyl methacrylate	10.877	69	128522	55.108	ug/l	97
57) 1,3-Dichloropropane	11.165	76	144094	51.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	222444	264.462	ug/l	96
59) 2-Hexanone	11.194	43	387899	261.123	ug/l	98
60) Dibromochloromethane	11.359	129	100714	56.817	ug/l	100
61) 1,2-Dibromoethane	11.471	107	93013	51.892	ug/l	99
64) Tetrachloroethene	11.100	164	83589	48.337	ug/l	87
65) Chlorobenzene	11.894	112	240790	51.489	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95627	54.788	ug/l	98
67) Ethyl Benzene	11.965	91	434150	54.415	ug/l	97
68) m/p-Xylenes	12.071	106	352863	108.910	ug/l	99
69) o-Xylene	12.400	106	170516	52.970	ug/l	98
70) Styrene	12.412	104	281716	55.475	ug/l	98
71) Bromoform	12.576	173	77687	58.482	ug/l #	97
73) Isopropylbenzene	12.694	105	449457	52.463	ug/l	98
74) N-amyl acetate	12.494	43	137642	52.260	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	135045	51.704	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	111237m	50.172	ug/l	
77) Bromobenzene	12.982	156	110158	52.083	ug/l	84
78) n-propylbenzene	13.035	91	510938	53.440	ug/l	99
79) 2-Chlorotoluene	13.123	91	305170	52.975	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	389740	54.757	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	41701	55.651	ug/l	94
82) 4-Chlorotoluene	13.123	91	305170	52.975	ug/l	97
83) tert-Butylbenzene	13.441	119	343436	52.921	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	392734	55.009	ug/l	99
85) sec-Butylbenzene	13.617	105	488565	55.484	ug/l	99
86) p-Isopropyltoluene	13.729	119	420960	56.821	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	210182	52.449	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	209945	51.574	ug/l	98
89) n-Butylbenzene	14.059	91	337074	53.870	ug/l	99
90) Hexachloroethane	14.335	117	72455	56.691	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	207555	53.135	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	25710	51.963	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	104444	52.176	ug/l	98
94) Hexachlorobutadiene	15.500	225	55390	53.123	ug/l	100
95) Naphthalene	15.641	128	316287	50.224	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	103009	52.357	ug/l	98

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

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