

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111022\
 Data File : VN075228.D
 Acq On : 10 Nov 2022 11:46
 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 11/11/2022
 Supervised By : Mahesh Dadoda 11/11/2022

Quant Time: Nov 11 04:04:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	118853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	209601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	199186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	71636	44.733	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.460%		
35) Dibromofluoromethane	8.171	113	64996	52.822	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.640%		
50) Toluene-d8	10.571	98	236346	49.508	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.020%		
62) 4-Bromofluorobenzene	12.847	95	90644	54.052	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.100%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	69692	45.075	ug/l	99
3) Chloromethane	2.371	50	66571	40.536	ug/l	97
4) Vinyl Chloride	2.524	62	96628	41.244	ug/l	95
5) Bromomethane	2.918	94	102953	62.614	ug/l	93
6) Chloroethane	3.100	64	72536	43.176	ug/l	93
7) Trichlorofluoromethane	3.495	101	125822	52.572	ug/l	96
8) Diethyl Ether	3.965	74	45479	52.098	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	73371	55.511	ug/l	97
10) Methyl Iodide	4.594	142	100756	51.205	ug/l	99
11) Tert butyl alcohol	5.536	59	80194	214.736	ug/l	99
12) 1,1-Dichloroethene	4.342	96	64802	51.436	ug/l	94
13) Acrolein	4.183	56	65896	215.724	ug/l	97
14) Allyl chloride	5.030	41	94634m	51.430	ug/l	
15) Acrylonitrile	5.724	53	203363	257.783	ug/l	99
16) Acetone	4.436	43	234124	345.278	ug/l	97
17) Carbon Disulfide	4.718	76	139153	43.921	ug/l	98
18) Methyl Acetate	5.036	43	118889	53.677	ug/l	96
19) Methyl tert-butyl Ether	5.806	73	255642	54.594	ug/l	99
20) Methylene Chloride	5.277	84	81709	54.045	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	75233	54.539	ug/l	97
22) Diisopropyl ether	6.677	45	220277	54.246	ug/l	98
23) Vinyl Acetate	6.612	43	867282m	255.769	ug/l	
24) 1,1-Dichloroethane	6.577	63	137814	53.662	ug/l	96
25) 2-Butanone	7.488	43	296125	277.649	ug/l	99
26) 2,2-Dichloropropane	7.488	77	131927	55.839	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	95058	57.704	ug/l	94
28) Bromochloromethane	7.812	49	48244	44.563	ug/l	89
29) Tetrahydrofuran	7.841	42	173041	251.079	ug/l	99
30) Chloroform	7.971	83	157016	56.311	ug/l	100
31) Cyclohexane	8.259	56	114010	47.868	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	142948	56.453	ug/l	97
36) 1,1-Dichloropropene	8.377	75	109248	57.349	ug/l	97
37) Ethyl Acetate	7.565	43	104497	50.019	ug/l	99
38) Carbon Tetrachloride	8.365	117	126047	60.152	ug/l	98
39) Methylcyclohexane	9.606	83	142042	56.481	ug/l	98
40) Benzene	8.606	78	332058	56.930	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	58248	58.195	ug/l	98
42) 1,2-Dichloroethane	8.671	62	118278	55.737	ug/l	97
43) Isopropyl Acetate	8.694	43	171597	52.953	ug/l	98
44) Trichloroethene	9.353	130	88130	60.224	ug/l	97
45) 1,2-Dichloropropane	9.624	63	81955	59.042	ug/l	99
46) Dibromomethane	9.712	93	62382	57.684	ug/l	97
47) Bromodichloromethane	9.888	83	123387	58.918	ug/l	99
48) Methyl methacrylate	9.682	41	77605	52.207	ug/l	98
49) 1,4-Dioxane	9.694	88	40902	1050.781	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	561602	268.563	ug/l	98
52) Toluene	10.629	92	230176	59.034	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	134805	60.985	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	138071	58.891	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	92340	59.728	ug/l	95
56) Ethyl methacrylate	10.876	69	136948	58.073	ug/l	98
57) 1,3-Dichloropropane	11.165	76	151664	58.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	238413	261.509	ug/l	98
59) 2-Hexanone	11.194	43	443210	279.258	ug/l	98
60) Dibromochloromethane	11.359	129	102981	63.136	ug/l	99
61) 1,2-Dibromoethane	11.470	107	95511	60.284	ug/l	99
64) Tetrachloroethene	11.106	164	89100	72.962	ug/l	93
65) Chlorobenzene	11.894	112	247065	58.110	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	97403	61.757	ug/l	98
67) Ethyl Benzene	11.965	91	452709	59.183	ug/l	100
68) m/p-Xylenes	12.070	106	370044	120.563	ug/l	99
69) o-Xylene	12.400	106	181158	59.683	ug/l	96
70) Styrene	12.412	104	299099	61.799	ug/l	98
71) Bromoform	12.576	173	74162	62.804	ug/l #	99
73) Isopropylbenzene	12.694	105	473307	53.850	ug/l	98
74) N-amyl acetate	12.494	43	156567	48.164	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	140402	55.698	ug/l	96
76) 1,2,3-Trichloropropane	12.994	75	119970m	51.609	ug/l	
77) Bromobenzene	12.982	156	110309	56.999	ug/l	91
78) n-propylbenzene	13.035	91	548395	55.573	ug/l	100
79) 2-Chlorotoluene	13.123	91	324495	53.812	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	415776	56.321	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	46430	51.272	ug/l	98
82) 4-Chlorotoluene	13.123	91	324495	53.812	ug/l	98
83) tert-Butylbenzene	13.441	119	362670	55.288	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	423725	56.729	ug/l	97
85) sec-Butylbenzene	13.617	105	529721	57.726	ug/l	99
86) p-Isopropyltoluene	13.729	119	457810	60.409	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	228589	60.326	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	225937	60.248	ug/l	99
89) n-Butylbenzene	14.059	91	375662	61.555	ug/l	99
90) Hexachloroethane	14.335	117	75838	54.579	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	223527	59.337	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	29698	50.092	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	111200	68.599	ug/l	97
94) Hexachlorobutadiene	15.500	225	50663	64.110	ug/l	99
95) Naphthalene	15.641	128	380026	60.962	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	108234	67.199	ug/l	99

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

