

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080535.D
 Acq On : 19 Dec 2023 21:29
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 20 04:09:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2023
 Supervised By : Mahesh Dadoda 12/20/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	263578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	429025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	189782	56.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.740%			
35) Dibromofluoromethane	8.165	113	146433	53.832	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.660%			
50) Toluene-d8	10.565	98	541275	53.354	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.700%			
62) 4-Bromofluorobenzene	12.847	95	192261	49.908	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	164885	48.952	ug/l	98
3) Chloromethane	2.359	50	150533	42.263	ug/l	99
4) Vinyl Chloride	2.512	62	131139	45.589	ug/l	100
5) Bromomethane	2.948	94	61272	47.245	ug/l	95
6) Chloroethane	3.118	64	83494	45.170	ug/l	98
7) Trichlorofluoromethane	3.495	101	288501	49.448	ug/l	99
8) Diethyl Ether	3.959	74	96497	52.509	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	139700	50.517	ug/l	95
10) Methyl Iodide	4.595	142	112211	46.132	ug/l	96
11) Tert butyl alcohol	5.512	59	103512	261.077	ug/l	100
12) 1,1-Dichloroethene	4.342	96	142138	50.163	ug/l	89
13) Acrolein	4.177	56	138392	318.728	ug/l	97
14) Allyl chloride	5.018	41	178062	50.791	ug/l	96
15) Acrylonitrile	5.712	53	311488	278.046	ug/l	100
16) Acetone	4.418	43	219307	367.399	ug/l	97
17) Carbon Disulfide	4.712	76	356359	44.377	ug/l	99
18) Methyl Acetate	5.018	43	234198	60.976	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	498189	52.699	ug/l	99
20) Methylene Chloride	5.277	84	162325	50.814	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	150085	48.850	ug/l #	82
22) Diisopropyl ether	6.671	45	415660	54.935	ug/l	93
23) Vinyl Acetate	6.600	43	1144184	263.290	ug/l	95
24) 1,1-Dichloroethane	6.565	63	280353	53.106	ug/l	100
25) 2-Butanone	7.483	43	343895	299.062	ug/l	92
26) 2,2-Dichloropropane	7.489	77	253508	46.962	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	177178	50.946	ug/l	92
28) Bromochloromethane	7.812	49	106144	52.367	ug/l	99
29) Tetrahydrofuran	7.836	42	228251	277.195	ug/l	92
30) Chloroform	7.965	83	315074	53.768	ug/l	93
31) Cyclohexane	8.259	56	209153	45.686	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	299817	52.256	ug/l	99
36) 1,1-Dichloropropene	8.371	75	221588	49.821	ug/l	96
37) Ethyl Acetate	7.559	43	141378	50.761	ug/l	100
38) Carbon Tetrachloride	8.359	117	268002	50.429	ug/l	96
39) Methylcyclohexane	9.606	83	209764	45.399	ug/l	92
40) Benzene	8.606	78	654085	50.928	ug/l	100

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41) Methacrylonitrile	7.777	41	83268	51.859	ug/l	96
42) 1,2-Dichloroethane	8.671	62	246525	51.834	ug/l	97
43) Isopropyl Acetate	8.688	43	270272	53.970	ug/l	98
44) Trichloroethene	9.353	130	161548	46.658	ug/l	97
45) 1,2-Dichloropropane	9.624	63	150095	49.758	ug/l	99
46) Dibromomethane	9.706	93	111245	51.353	ug/l	90
47) Bromodichloromethane	9.888	83	247814	53.377	ug/l	98
48) Methyl methacrylate	9.683	41	159234	53.284	ug/l	89
49) 1,4-Dioxane	9.694	88	43693	964.603	ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	768781	278.746	ug/l	100
52) Toluene	10.630	92	410452	50.588	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	257806	51.323	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	267281	49.782	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	157366	53.903	ug/l	98
56) Ethyl methacrylate	10.877	69	174601	54.019	ug/l	92
57) 1,3-Dichloropropane	11.165	76	268254	52.416	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	549863	269.474	ug/l	97
59) 2-Hexanone	11.194	43	558649	274.375	ug/l	99
60) Dibromochloromethane	11.359	129	182541	52.766	ug/l	100
61) 1,2-Dibromoethane	11.471	107	152179	50.364	ug/l	98
64) Tetrachloroethene	11.106	164	140255	50.116	ug/l	97
65) Chlorobenzene	11.894	112	402517	49.920	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	164508	51.996	ug/l	94
67) Ethyl Benzene	11.965	91	738438	49.807	ug/l	97
68) m/p-Xylenes	12.071	106	547286	99.895	ug/l	89
69) o-Xylene	12.400	106	268492	50.104	ug/l	87
70) Styrene	12.412	104	405278	52.505	ug/l	93
71) Bromoform	12.582	173	119522	51.803	ug/l #	100
73) Isopropylbenzene	12.694	105	706317	48.556	ug/l	99
74) N-amyl acetate	12.494	43	214589	50.517	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	201547	51.706	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	185854m	51.448	ug/l	
77) Bromobenzene	12.982	156	175884	49.151	ug/l	98
78) n-propylbenzene	13.035	91	829008	51.688	ug/l	98
79) 2-Chlorotoluene	13.124	91	522164	49.868	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	627700	50.103	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	63881	46.429	ug/l	88
82) 4-Chlorotoluene	13.223	91	527536	49.015	ug/l	96
83) tert-Butylbenzene	13.441	119	518493	50.534	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	627728	50.365	ug/l	99
85) sec-Butylbenzene	13.618	105	664853	50.656	ug/l	99
86) p-Isopropyltoluene	13.729	119	599522	50.589	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	311905	49.471	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	311102	48.882	ug/l	98
89) n-Butylbenzene	14.059	91	500905	50.613	ug/l	99
90) Hexachloroethane	14.335	117	95508	50.746	ug/l	75
91) 1,2-Dichlorobenzene	14.106	146	292575	48.869	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	44614	54.414	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	172226	51.812	ug/l	97
94) Hexachlorobutadiene	15.500	225	84552	44.680	ug/l	100
95) Naphthalene	15.641	128	537229	53.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	161702	50.411	ug/l	96

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

