

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022423\
 Data File : VN076799.D
 Acq On : 24 Feb 2023 10:43
 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 02/27/2023
 Supervised By : Mahesh Dadoda 02/27/2023

Quant Time: Feb 25 01:40:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	284699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	533848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	520216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	275448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	222143	56.507	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.020%			
35) Dibromofluoromethane	8.172	113	172976	49.477	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.960%			
50) Toluene-d8	10.571	98	679423	52.038	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.854	95	250656	57.965	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	137805	45.585	ug/l	91
3) Chloromethane	2.372	50	170844	43.317	ug/l	95
4) Vinyl Chloride	2.525	62	169800	43.744	ug/l	96
5) Bromomethane	2.948	94	117639	50.017	ug/l	96
6) Chloroethane	3.119	64	126223	51.454	ug/l	98
7) Trichlorofluoromethane	3.507	101	229382	43.431	ug/l	97
8) Diethyl Ether	3.978	74	110707	54.398	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.389	101	143964	46.390	ug/l	96
10) Methyl Iodide	4.595	142	204910	53.468	ug/l	99
11) Tert butyl alcohol	5.525	59	149357	287.825	ug/l	99
12) 1,1-Dichloroethene	4.348	96	135924	46.255	ug/l	94
13) Acrolein	4.189	56	222577	285.702	ug/l	97
14) Allyl chloride	5.031	41	255897	50.257	ug/l	99
15) Acrylonitrile	5.725	53	524850	284.998	ug/l	99
16) Acetone	4.436	43	451342	257.021	ug/l	90
17) Carbon Disulfide	4.725	76	328225	42.304	ug/l	95
18) Methyl Acetate	5.036	43	327066	57.059	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	585263	59.073	ug/l	100
20) Methylene Chloride	5.289	84	179819	48.859	ug/l	99
21) trans-1,2-Dichloroethene	5.795	96	153662	46.453	ug/l	95
22) Diisopropyl ether	6.678	45	711880	59.609	ug/l	97
23) Vinyl Acetate	6.613	43	2367115	335.001	ug/l	97
24) 1,1-Dichloroethane	6.578	63	339133	51.814	ug/l	95
25) 2-Butanone	7.483	43	729581	281.658	ug/l	98
26) 2,2-Dichloropropane	7.495	77	246885	52.295	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	205376	52.346	ug/l	99
28) Bromochloromethane	7.819	49	187074	60.053	ug/l	91
29) Tetrahydrofuran	7.842	42	487296	287.935	ug/l	100
30) Chloroform	7.972	83	357962	54.739	ug/l	98
31) Cyclohexane	8.266	56	283377	45.952	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	280840	51.077	ug/l	94
36) 1,1-Dichloropropene	8.372	75	236035	46.728	ug/l	98
37) Ethyl Acetate	7.566	43	301782	56.784	ug/l	98
38) Carbon Tetrachloride	8.366	117	234264	45.974	ug/l	98
39) Methylcyclohexane	9.601	83	276381	48.136	ug/l	97
40) Benzene	8.613	78	787627	50.775	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	165665	53.808	ug/l	92
42) 1,2-Dichloroethane	8.677	62	282966	52.303	ug/l	99
43) Isopropyl Acetate	8.689	43	504516	58.339	ug/l	98
44) Trichloroethene	9.354	130	174495	47.603	ug/l	100
45) 1,2-Dichloropropane	9.624	63	214908	52.336	ug/l	98
46) Dibromomethane	9.713	93	140630	53.569	ug/l	97
47) Bromodichloromethane	9.889	83	291612	55.406	ug/l	94
48) Methyl methacrylate	9.683	41	234906	57.242	ug/l	98
49) 1,4-Dioxane	9.695	88	81218	1144.131	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	1590141	288.995	ug/l	99
52) Toluene	10.630	92	498295	53.207	ug/l	97
53) t-1,3-Dichloropropene	10.836	75	307694	60.569	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	329733	56.271	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207509	54.490	ug/l	93
56) Ethyl methacrylate	10.877	69	321598	59.996	ug/l	97
57) 1,3-Dichloropropane	11.165	76	365871	55.921	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	678782	276.499	ug/l	98
59) 2-Hexanone	11.195	43	1154688	291.048	ug/l	98
60) Dibromochloromethane	11.360	129	222847	55.523	ug/l	100
61) 1,2-Dibromoethane	11.471	107	207577	54.456	ug/l	99
64) Tetrachloroethene	11.107	164	146569	44.708	ug/l	93
65) Chlorobenzene	11.895	112	545554	49.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	206005	51.443	ug/l	98
67) Ethyl Benzene	11.965	91	971234	51.709	ug/l	99
68) m/p-Xylenes	12.071	106	765590	105.747	ug/l	98
69) o-Xylene	12.401	106	380868	53.940	ug/l	98
70) Styrene	12.412	104	652425	57.140	ug/l	100
71) Bromoform	12.577	173	165651	56.394	ug/l #	93
73) Isopropylbenzene	12.695	105	967260	47.910	ug/l	99
74) N-amyl acetate	12.495	43	459492	50.493	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	330132	45.174	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	280223m	50.320	ug/l	
77) Bromobenzene	12.983	156	235620	46.776	ug/l	97
78) n-propylbenzene	13.036	91	1162075	49.017	ug/l	99
79) 2-Chlorotoluene	13.124	91	688560	47.435	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	833344	49.945	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	101834	53.261	ug/l	88
82) 4-Chlorotoluene	13.124	91	688560	47.435	ug/l	100
83) tert-Butylbenzene	13.442	119	734255	48.645	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	851884	51.229	ug/l	99
85) sec-Butylbenzene	13.618	105	1045105	49.593	ug/l	99
86) p-Isopropyltoluene	13.730	119	886469	52.678	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	462852	48.610	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	467518	49.306	ug/l	98
89) n-Butylbenzene	14.059	91	751511	51.347	ug/l	99
90) Hexachloroethane	14.336	117	163954	46.532	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	473492	48.505	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	62436	44.098	ug/l	96
93) 1,2,4-Trichlorobenzene	15.395	180	250888	51.524	ug/l	96
94) Hexachlorobutadiene	15.500	225	107340	44.978	ug/l	98
95) Naphthalene	15.642	128	806009	54.548	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	243868	51.694	ug/l	99

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

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