

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076624.D
 Acq On : 13 Feb 2023 11:51
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

Quant Time: Feb 13 12:13:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 13 11:31:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	376114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	643310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	590448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	301347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	246181	55.455	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.920%			
35) Dibromofluoromethane	8.172	113	199281	49.832	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	10.566	98	775990	51.580	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.848	95	267055	50.387	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	205909	52.698	ug/l	97
3) Chloromethane	2.378	50	231342	64.423	ug/l	95
4) Vinyl Chloride	2.525	62	244675	74.205	ug/l	95
5) Bromomethane	2.954	94	133054	54.389	ug/l	95
6) Chloroethane	3.125	64	159009	79.726	ug/l	96
7) Trichlorofluoromethane	3.507	101	326275	50.203	ug/l	97
8) Diethyl Ether	3.972	74	132439	53.816	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.384	101	187724	46.626	ug/l	94
10) Methyl Iodide	4.601	142	282188	47.919	ug/l	99
11) Tert butyl alcohol	5.537	59	164334	284.206	ug/l	99
12) 1,1-Dichloroethene	4.354	96	181074	48.142	ug/l	95
13) Acrolein	4.190	56	248300	321.445	ug/l	98
14) Allyl chloride	5.037	41	321918	65.717	ug/l #	87
15) Acrylonitrile	5.725	53	588033	338.896	ug/l	98
16) Acetone	4.437	43	497574	339.971	ug/l	95
17) Carbon Disulfide	4.725	76	487056	49.986	ug/l	99
18) Methyl Acetate	5.031	43	362678	78.320	ug/l #	86
19) Methyl tert-butyl Ether	5.807	73	652829	52.189	ug/l	95
20) Methylene Chloride	5.290	84	225124	49.896	ug/l #	82
21) trans-1,2-Dichloroethene	5.795	96	200396	49.019	ug/l	84
22) Diisopropyl ether	6.684	45	788607	71.032	ug/l #	95
23) Vinyl Acetate	6.613	43	2565404	369.298	ug/l #	91
24) 1,1-Dichloroethane	6.578	63	401473	56.314	ug/l	98
25) 2-Butanone	7.489	43	815297	387.540	ug/l #	87
26) 2,2-Dichloropropane	7.501	77	300653	50.521	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	245946	51.445	ug/l	92
28) Bromochloromethane	7.819	49	198276	69.412	ug/l #	79
29) Tetrahydrofuran	7.842	42	554276	409.943	ug/l #	81
30) Chloroform	7.972	83	407925	52.746	ug/l	98
31) Cyclohexane	8.260	56	380520	54.232	ug/l #	83
32) 1,1,1-Trichloroethane	8.172	97	351229	50.683	ug/l	94
36) 1,1-Dichloropropene	8.372	75	301715	52.843	ug/l	97
37) Ethyl Acetate	7.566	43	327777	76.625	ug/l #	93
38) Carbon Tetrachloride	8.372	117	303059	49.367	ug/l	97
39) Methylcyclohexane	9.607	83	367101	51.771	ug/l	95
40) Benzene	8.613	78	933243	53.920	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	192854	79.623	ug/l #	85
42) 1,2-Dichloroethane	8.678	62	319859	56.761	ug/l	97
43) Isopropyl Acetate	8.695	43	554532	77.905	ug/l #	90
44) Trichloroethene	9.354	130	224873	48.654	ug/l	98
45) 1,2-Dichloropropane	9.625	63	245329	59.016	ug/l	96
46) Dibromomethane	9.713	93	157770	52.613	ug/l	95
47) Bromodichloromethane	9.889	83	317238	52.609	ug/l	98
48) Methyl methacrylate	9.683	41	253620	72.449	ug/l #	83
49) 1,4-Dioxane	9.695	88	84047	1122.343	ug/l #	89
51) 4-Methyl-2-Pentanone	10.448	43	1710668	399.875	ug/l	87
52) Toluene	10.630	92	582111	52.115	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	332536	57.074	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	369151	55.560	ug/l #	87
55) 1,1,2-Trichloroethane	11.019	97	227452	51.992	ug/l	99
56) Ethyl methacrylate	10.878	69	360157	61.512	ug/l #	79
57) 1,3-Dichloropropane	11.166	76	394386	55.694	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	827609	494.621	ug/l	93
59) 2-Hexanone	11.195	43	1264868	414.728	ug/l	83
60) Dibromochloromethane	11.360	129	249919	54.207	ug/l	100
61) 1,2-Dibromoethane	11.472	107	229934	53.097	ug/l	98
64) Tetrachloroethene	11.107	164	187012	38.037	ug/l	95
65) Chlorobenzene	11.895	112	616777	50.512	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	234851	51.938	ug/l	99
67) Ethyl Benzene	11.966	91	1107000	51.014	ug/l	100
68) m/p-Xylenes	12.072	106	882606	104.393	ug/l	95
69) o-Xylene	12.401	106	426072	51.463	ug/l	100
70) Styrene	12.413	104	711447	54.030	ug/l	99
71) Bromoform	12.583	173	175246	55.523	ug/l	99
73) Isopropylbenzene	12.695	105	1112309	45.070	ug/l	97
74) N-amyl acetate	12.495	43	510143	74.123	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.942	83	355180	52.506	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	289361m	51.466	ug/l	
77) Bromobenzene	12.983	156	262150	45.666	ug/l	99
78) n-propylbenzene	13.036	91	1324274	48.731	ug/l	100
79) 2-Chlorotoluene	13.130	91	765697	44.232	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	938296	45.809	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.736	75	108111	59.044	ug/l	85
82) 4-Chlorotoluene	13.130	91	765697	44.232	ug/l	97
83) tert-Butylbenzene	13.442	119	846172	46.122	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	939133	46.072	ug/l	98
85) sec-Butylbenzene	13.619	105	1213526	49.051	ug/l	98
86) p-Isopropyltoluene	13.730	119	1004114	49.526	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	509482	48.221	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	501861	46.761	ug/l	98
89) n-Butylbenzene	14.060	91	879408	54.777	ug/l	99
90) Hexachloroethane	14.336	117	183877	52.068	ug/l	96
91) 1,2-Dichlorobenzene	14.107	146	513436	49.289	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	68925	58.872	ug/l	95
93) 1,2,4-Trichlorobenzene	15.395	180	286450	60.013	ug/l	98
94) Hexachlorobutadiene	15.507	225	130312	48.552	ug/l	99
95) Naphthalene	15.642	128	922291	66.416	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	282576	61.817	ug/l	98

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

