

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030723\
 Data File : VN076872.D
 Acq On : 07 Mar 2023 17:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/08/2023
 Supervised By : Mahesh Dadoda 03/08/2023

Quant Time: Mar 07 22:40:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 08:45:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	537237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	923197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	818570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	368074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	339821	45.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.240%		
35) Dibromofluoromethane	8.172	113	264128	45.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.460%		
50) Toluene-d8	10.566	98	1074601	48.296	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.600%		
62) 4-Bromofluorobenzene	12.848	95	389699	50.544	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	319071	51.040	ug/l	100
3) Chloromethane	2.378	50	383303	46.618	ug/l	96
4) Vinyl Chloride	2.531	62	362438	48.092	ug/l	99
5) Bromomethane	2.960	94	222948	45.021	ug/l	94
6) Chloroethane	3.131	64	220401	49.883	ug/l	98
7) Trichlorofluoromethane	3.507	101	558211	50.765	ug/l	97
8) Diethyl Ether	3.972	74	230871	54.581	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.390	101	330710	51.437	ug/l	99
10) Methyl Iodide	4.602	142	397089	59.215	ug/l	99
11) Tert butyl alcohol	5.531	59	265465	237.339	ug/l	97
12) 1,1-Dichloroethene	4.354	96	313861	52.352	ug/l	87
13) Acrolein	4.190	56	319195	220.597	ug/l	97
14) Allyl chloride	5.037	41	515772	51.530	ug/l #	77
15) Acrylonitrile	5.725	53	888743	247.073	ug/l	100
16) Acetone	4.437	43	820523	249.562	ug/l	99
17) Carbon Disulfide	4.725	76	850940	52.282	ug/l	97
18) Methyl Acetate	5.037	43	546425	48.501	ug/l #	86
19) Methyl tert-butyl Ether	5.801	73	1093990	53.214	ug/l	95
20) Methylene Chloride	5.290	84	368334	48.016	ug/l #	82
21) trans-1,2-Dichloroethene	5.796	96	338323	52.192	ug/l	87
22) Diisopropyl ether	6.678	45	1190102	52.850	ug/l #	92
23) Vinyl Acetate	6.613	43	3792011	264.369	ug/l #	92
24) 1,1-Dichloroethane	6.578	63	663474	51.668	ug/l	97
25) 2-Butanone	7.490	43	1183619	246.443	ug/l #	85
26) 2,2-Dichloropropane	7.501	77	520605	55.361	ug/l	100
27) cis-1,2-Dichloroethene	7.490	96	400777	52.777	ug/l	88
28) Bromochloromethane	7.819	49	272475	50.179	ug/l #	77
29) Tetrahydrofuran	7.842	42	761716	245.850	ug/l #	79
30) Chloroform	7.972	83	656247	51.455	ug/l	98
31) Cyclohexane	8.260	56	617576	48.536	ug/l #	82
32) 1,1,1-Trichloroethane	8.172	97	571916	51.784	ug/l	98
36) 1,1-Dichloropropene	8.378	75	505959	54.508	ug/l	96
37) Ethyl Acetate	7.566	43	473432	49.690	ug/l #	93
38) Carbon Tetrachloride	8.366	117	489332	51.893	ug/l	96
39) Methylcyclohexane	9.601	83	636802	55.658	ug/l #	86
40) Benzene	8.607	78	1498747	53.005	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	277563	53.347	ug/l #	81
42) 1,2-Dichloroethane	8.672	62	498632	50.623	ug/l	96
43) Isopropyl Acetate	8.690	43	767882	52.645	ug/l #	91
44) Trichloroethene	9.354	130	367523	54.819	ug/l	97
45) 1,2-Dichloropropane	9.625	63	385844	52.805	ug/l	97
46) Dibromomethane	9.713	93	242014	52.148	ug/l	98
47) Bromodichloromethane	9.889	83	510598	53.517	ug/l	95
48) Methyl methacrylate	9.684	41	385245	54.354	ug/l #	76
49) 1,4-Dioxane	9.695	88	124537	958.656	ug/l #	82
51) 4-Methyl-2-Pentanone	10.448	43	2368104	257.394	ug/l	92
52) Toluene	10.631	92	930894	55.291	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	539542	58.340	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	611116	57.528	ug/l	93
55) 1,1,2-Trichloroethane	11.019	97	349228	52.143	ug/l	97
56) Ethyl methacrylate	10.878	69	561796	56.298	ug/l #	84
57) 1,3-Dichloropropane	11.166	76	618457	53.185	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	958176	277.122	ug/l	92
59) 2-Hexanone	11.195	43	1733774	260.063	ug/l	90
60) Dibromochloromethane	11.360	129	370808	56.185	ug/l	97
61) 1,2-Dibromoethane	11.472	107	345996	53.749	ug/l	100
64) Tetrachloroethene	11.107	164	360047	59.105	ug/l	98
65) Chlorobenzene	11.895	112	939978	53.136	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.960	131	343604	53.695	ug/l	99
67) Ethyl Benzene	11.966	91	1803513	56.147	ug/l	98
68) m/p-Xylenes	12.072	106	1361372	112.650	ug/l	94
69) o-Xylene	12.401	106	667648	56.101	ug/l	91
70) Styrene	12.413	104	1101929	59.057	ug/l	96
71) Bromoform	12.577	173	248055	56.949	ug/l #	98
73) Isopropylbenzene	12.701	105	1762288	54.927	ug/l	96
74) N-amyl acetate	12.495	43	659369	52.548	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.936	83	474198	46.118	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	439243m	47.318	ug/l	
77) Bromobenzene	12.983	156	377605	53.185	ug/l	90
78) n-propylbenzene	13.036	91	2091944	57.176	ug/l	96
79) 2-Chlorotoluene	13.124	91	1248270	53.185	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	1503109	55.898	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.736	75	174245	61.907	ug/l	87
82) 4-Chlorotoluene	13.225	91	1215346	54.621	ug/l	93
83) tert-Butylbenzene	13.442	119	1257517	54.725	ug/l	93
84) 1,2,4-Trimethylbenzene	13.483	105	1488957	56.134	ug/l	94
85) sec-Butylbenzene	13.619	105	1873211	58.388	ug/l	96
86) p-Isopropyltoluene	13.730	119	1526416	59.485	ug/l	97
87) 1,3-Dichlorobenzene	13.736	146	709545	54.733	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	702420	53.363	ug/l	98
89) n-Butylbenzene	14.060	91	1347542	60.786	ug/l	97
90) Hexachloroethane	14.336	117	257000	55.432	ug/l	95
91) 1,2-Dichlorobenzene	14.107	146	701928	53.453	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	96608	49.584	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	397752	60.546	ug/l	99
94) Hexachlorobutadiene	15.507	225	196586	57.472	ug/l	99
95) Naphthalene	15.642	128	1265037	60.117	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	378993	58.695	ug/l	99

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

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