

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077029.D
 Acq On : 17 Mar 2023 11:25
 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 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

Quant Time: Mar 18 01:32:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 01:17:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	389143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	704585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	631877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	288096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	304291	48.954	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.900%		
35) Dibromofluoromethane	8.172	113	232122	48.554	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.100%		
50) Toluene-d8	10.572	98	888863	50.429	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.860%		
62) 4-Bromofluorobenzene	12.848	95	327835	52.636	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	185981	50.604	ug/l	100
3) Chloromethane	2.378	50	182393	46.519	ug/l	100
4) Vinyl Chloride	2.525	62	202143	47.764	ug/l	100
5) Bromomethane	2.949	94	143429	50.174	ug/l	100
6) Chloroethane	3.125	64	121363	45.320	ug/l	100
7) Trichlorofluoromethane	3.507	101	433913	47.660	ug/l	100
8) Diethyl Ether	3.972	74	169847	49.570	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.384	101	240551	46.578	ug/l	100
10) Methyl Iodide	4.607	142	295724	50.839	ug/l	100
11) Tert butyl alcohol	5.537	59	228011	251.734	ug/l	100
12) 1,1-Dichloroethene	4.354	96	230769	48.845	ug/l	100
13) Acrolein	4.190	56	273727	244.334	ug/l	100
14) Allyl chloride	5.037	41	434976	49.302	ug/l	100
15) Acrylonitrile	5.731	53	755864	248.232	ug/l	100
16) Acetone	4.437	43	654214	236.208	ug/l	100
17) Carbon Disulfide	4.725	76	653711	47.453	ug/l	100
18) Methyl Acetate	5.037	43	509872	48.819	ug/l	100
19) Methyl tert-butyl Ether	5.807	73	842125	49.665	ug/l	100
20) Methylene Chloride	5.290	84	275190	45.781	ug/l	100
21) trans-1,2-Dichloroethene	5.795	96	249581	48.739	ug/l	100
22) Diisopropyl ether	6.684	45	964795	50.912	ug/l	100
23) Vinyl Acetate	6.613	43	3088552	264.951	ug/l	100
24) 1,1-Dichloroethane	6.584	63	517407	47.714	ug/l	100
25) 2-Butanone	7.489	43	1027986	253.723	ug/l	100
26) 2,2-Dichloropropane	7.495	77	408954	50.122	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	293392	50.025	ug/l	100
28) Bromochloromethane	7.819	49	216843	46.047	ug/l	100
29) Tetrahydrofuran	7.842	42	677765	258.150	ug/l	100
30) Chloroform	7.972	83	502427	47.737	ug/l	100
31) Cyclohexane	8.260	56	482499	47.443	ug/l	100
32) 1,1,1-Trichloroethane	8.178	97	442366	49.176	ug/l	100
36) 1,1-Dichloropropene	8.378	75	386659	50.170	ug/l	100
37) Ethyl Acetate	7.566	43	403286	48.907	ug/l	100
38) Carbon Tetrachloride	8.366	117	370698	49.381	ug/l	100
39) Methylcyclohexane	9.607	83	476639	52.837	ug/l	100
40) Benzene	8.613	78	1139206	48.740	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	217282m	50.683	ug/l	
42) 1,2-Dichloroethane	8.672	62	405008	47.952	ug/l	100
43) Isopropyl Acetate	8.695	43	664907	51.618	ug/l	100
44) Trichloroethene	9.354	130	256132	47.708	ug/l	100
45) 1,2-Dichloropropane	9.625	63	304014	48.973	ug/l	100
46) Dibromomethane	9.713	93	188628	48.179	ug/l	100
47) Bromodichloromethane	9.889	83	396961	48.343	ug/l	100
48) Methyl methacrylate	9.683	41	328671	53.371	ug/l	100
49) 1,4-Dioxane	9.701	88	107297	1020.120	ug/l	100
51) 4-Methyl-2-Pentanone	10.448	43	2067565	257.751	ug/l	100
52) Toluene	10.630	92	708461	50.765	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	430908	53.543	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	468873	51.636	ug/l	100
55) 1,1,2-Trichloroethane	11.019	97	269833	49.032	ug/l	100
56) Ethyl methacrylate	10.877	69	451852	54.603	ug/l	100
57) 1,3-Dichloropropane	11.166	76	492265	48.858	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	943268	267.371	ug/l	100
59) 2-Hexanone	11.195	43	1521096	261.440	ug/l	100
60) Dibromochloromethane	11.360	129	282840	51.165	ug/l	100
61) 1,2-Dibromoethane	11.472	107	268395	49.181	ug/l	100
64) Tetrachloroethene	11.107	164	203308	47.941	ug/l	100
65) Chlorobenzene	11.895	112	703660	48.399	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	259721	48.279	ug/l	100
67) Ethyl Benzene	11.966	91	1366329	51.739	ug/l	100
68) m/p-Xylenes	12.071	106	1016255	103.765	ug/l	100
69) o-Xylene	12.401	106	500924	51.475	ug/l	100
70) Styrene	12.413	104	824983	54.452	ug/l	100
71) Bromoform	12.577	173	187611	51.466	ug/l	100
73) Isopropylbenzene	12.701	105	1320258	51.137	ug/l	100
74) N-amyl acetate	12.495	43	584472	52.301	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.942	83	420217	44.925	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	379437m	50.911	ug/l	
77) Bromobenzene	12.983	156	273511	47.291	ug/l	100
78) n-propylbenzene	13.036	91	1574439	52.826	ug/l	100
79) 2-Chlorotoluene	13.130	91	947295	49.880	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1118712	51.898	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	135427	50.023	ug/l	100
82) 4-Chlorotoluene	13.224	91	910238	50.403	ug/l	100
83) tert-Butylbenzene	13.442	119	938262	51.842	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1119526	52.044	ug/l	100
85) sec-Butylbenzene	13.618	105	1380871	53.636	ug/l	100
86) p-Isopropyltoluene	13.730	119	1109219	53.651	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	520468	47.614	ug/l	100
88) 1,4-Dichlorobenzene	13.813	146	517627	47.596	ug/l	100
89) n-Butylbenzene	14.060	91	1004821	55.400	ug/l	100
90) Hexachloroethane	14.336	117	201540	47.946	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	525926	48.269	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	87509	50.489	ug/l	100
93) 1,2,4-Trichlorobenzene	15.395	180	276620	56.160	ug/l	100
94) Hexachlorobutadiene	15.507	225	134128	49.446	ug/l	100
95) Naphthalene	15.642	128	952190	49.755	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	267728	54.170	ug/l	100

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

