

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076920.D
 Acq On : 10 Mar 2023 12:58
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/13/2023
 Supervised By : Mahesh Dadoda 03/13/2023

Quant Time: Mar 10 13:17:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 12:38:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	403305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	673808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	599658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	287799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	287929	50.921	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.840%			
35) Dibromofluoromethane	8.172	113	209409	49.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	10.572	98	803594	49.483	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.848	95	303881	54.001	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	382978	81.608	ug/l	98
3) Chloromethane	2.378	50	182620	29.586	ug/l	95
4) Vinyl Chloride	2.525	62	176361	31.173	ug/l	98
5) Bromomethane	2.955	94	128923	34.680	ug/l	92
6) Chloroethane	3.131	64	105199	27.313	ug/l	99
7) Trichlorofluoromethane	3.507	101	466672	56.534	ug/l	95
8) Diethyl Ether	3.972	74	153619	48.378	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.390	101	234238	48.531	ug/l	97
10) Methyl Iodide	4.601	142	271600	53.952	ug/l	90
11) Tert butyl alcohol	5.531	59	216335	257.645	ug/l	99
12) 1,1-Dichloroethene	4.354	96	220000	48.882	ug/l	89
13) Acrolein	4.190	56	173063	159.324	ug/l	99
14) Allyl chloride	5.037	41	308604	41.071	ug/l #	87
15) Acrylonitrile	5.731	53	593128	219.649	ug/l	100
16) Acetone	4.437	43	496495	201.157	ug/l	93
17) Carbon Disulfide	4.725	76	603910	49.426	ug/l	100
18) Methyl Acetate	5.043	43	368389	43.558	ug/l	90
19) Methyl tert-butyl Ether	5.807	73	800882	51.893	ug/l	100
20) Methylene Chloride	5.290	84	244439	42.447	ug/l	88
21) trans-1,2-Dichloroethene	5.801	96	232038	47.683	ug/l	85
22) Diisopropyl ether	6.684	45	698901	41.343	ug/l	94
23) Vinyl Acetate	6.613	43	2286334	212.331	ug/l	93
24) 1,1-Dichloroethane	6.578	63	438387	45.477	ug/l	98
25) 2-Butanone	7.490	43	729673	202.379	ug/l	90
26) 2,2-Dichloropropane	7.501	77	391935	55.519	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	267485	46.921	ug/l	87
28) Bromochloromethane	7.819	49	152311	37.365	ug/l	90
29) Tetrahydrofuran	7.842	42	465578	200.171	ug/l	87
30) Chloroform	7.972	83	469615	49.050	ug/l	99
31) Cyclohexane	8.266	56	406369	42.543	ug/l	90
32) 1,1,1-Trichloroethane	8.178	97	452036	54.522	ug/l	99
36) 1,1-Dichloropropene	8.378	75	348427	51.430	ug/l	95
37) Ethyl Acetate	7.566	43	295891	42.550	ug/l	94
38) Carbon Tetrachloride	8.372	117	405168	58.870	ug/l	98
39) Methylcyclohexane	9.607	83	431623	51.687	ug/l #	88
40) Benzene	8.613	78	996363	48.280	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	168387	44.342	ug/l	88
42) 1,2-Dichloroethane	8.678	62	388530	54.045	ug/l	94
43) Isopropyl Acetate	8.695	43	499700	46.939	ug/l	93
44) Trichloroethene	9.360	130	255262	52.167	ug/l	99
45) 1,2-Dichloropropane	9.625	63	245379	46.011	ug/l	100
46) Dibromomethane	9.713	93	173090	51.100	ug/l	97
47) Bromodichloromethane	9.889	83	371787	53.391	ug/l	100
48) Methyl methacrylate	9.684	41	247675	47.878	ug/l #	84
49) 1,4-Dioxane	9.695	88	91899	969.244	ug/l #	85
51) 4-Methyl-2-Pentanone	10.448	43	1478680	220.207	ug/l	94
52) Toluene	10.636	92	627643	51.077	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	391844	58.051	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	417145	53.802	ug/l #	92
55) 1,1,2-Trichloroethane	11.019	97	237724	48.632	ug/l	97
56) Ethyl methacrylate	10.878	69	389887	53.532	ug/l #	88
57) 1,3-Dichloropropane	11.166	76	417686	49.214	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	607466	240.717	ug/l	96
59) 2-Hexanone	11.195	43	1081234	222.210	ug/l	93
60) Dibromochloromethane	11.360	129	272037	56.475	ug/l	100
61) 1,2-Dibromoethane	11.472	107	246821	52.534	ug/l	96
64) Tetrachloroethene	11.107	164	250938	56.232	ug/l	98
65) Chlorobenzene	11.895	112	643189	49.632	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	248488	53.007	ug/l	97
67) Ethyl Benzene	11.966	91	1238333	52.626	ug/l	97
68) m/p-Xylenes	12.072	106	925295	104.517	ug/l	88
69) o-Xylene	12.401	106	452644	51.920	ug/l	83
70) Styrene	12.413	104	745213	54.519	ug/l #	92
71) Bromoform	12.583	173	194883	61.075	ug/l #	99
73) Isopropylbenzene	12.701	105	1216268	48.483	ug/l	95
74) N-amyl acetate	12.495	43	416503	42.451	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.942	83	322427	40.104	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	313968m	43.257	ug/l	
77) Bromobenzene	12.983	156	261835	47.166	ug/l	90
78) n-propylbenzene	13.036	91	1409200	49.258	ug/l	96
79) 2-Chlorotoluene	13.130	91	872987	47.570	ug/l	92
80) 1,3,5-Trimethylbenzene	13.177	105	1078174	51.279	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.742	75	106688	48.477	ug/l #	86
82) 4-Chlorotoluene	13.224	91	842731	48.439	ug/l	92
83) tert-Butylbenzene	13.442	119	893442	49.726	ug/l	89
84) 1,2,4-Trimethylbenzene	13.483	105	1059318	51.076	ug/l	92
85) sec-Butylbenzene	13.619	105	1264351	50.402	ug/l	97
86) p-Isopropyltoluene	13.730	119	1045824	52.124	ug/l	94
87) 1,3-Dichlorobenzene	13.736	146	494866	48.821	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	493346	47.933	ug/l	97
89) n-Butylbenzene	14.060	91	878491	50.681	ug/l	99
90) Hexachloroethane	14.336	117	186249	51.377	ug/l	84
91) 1,2-Dichlorobenzene	14.107	146	488204	47.548	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	81871	53.741	ug/l	82
93) 1,2,4-Trichlorobenzene	15.395	180	289000	56.262	ug/l	99
94) Hexachlorobutadiene	15.507	225	158042	59.091	ug/l	99
95) Naphthalene	15.642	128	918139	55.802	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	285391	56.527	ug/l	98

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

