

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030723\
 Data File : VN076863.D
 Acq On : 07 Mar 2023 10:33
 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 03/08/2023
 Supervised By : Mahesh Dadoda 03/08/2023

Quant Time: Mar 07 22:38:52 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	8.230	168	620855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1083914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	960454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	433728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	431020	49.517	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.040%		
35) Dibromofluoromethane	8.172	113	336320	49.599	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.200%		
50) Toluene-d8	10.571	98	1333982	51.063	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.120%		
62) 4-Bromofluorobenzene	12.854	95	481277	53.166	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	323165	44.733	ug/l	97
3) Chloromethane	2.378	50	395770	41.652	ug/l	95
4) Vinyl Chloride	2.531	62	375270	43.088	ug/l	97
5) Bromomethane	2.954	94	240372	42.002	ug/l	94
6) Chloroethane	3.131	64	232031	45.372	ug/l	94
7) Trichlorofluoromethane	3.513	101	573327	45.117	ug/l	95
8) Diethyl Ether	3.978	74	236205	48.321	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.384	101	333241	44.850	ug/l	99
10) Methyl Iodide	4.607	142	402659	51.959	ug/l	95
11) Tert butyl alcohol	5.536	59	285549	220.912	ug/l	99
12) 1,1-Dichloroethene	4.354	96	320228	46.220	ug/l	91
13) Acrolein	4.189	56	386675	231.241	ug/l	99
14) Allyl chloride	5.036	41	539302	46.624	ug/l #	79
15) Acrylonitrile	5.725	53	953307	229.328	ug/l	100
16) Acetone	4.436	43	878312	231.160	ug/l	99
17) Carbon Disulfide	4.725	76	869260	46.214	ug/l	99
18) Methyl Acetate	5.036	43	589523	45.279	ug/l #	85
19) Methyl tert-butyl Ether	5.807	73	1131368	47.620	ug/l	97
20) Methylene Chloride	5.289	84	377279	42.559	ug/l #	81
21) trans-1,2-Dichloroethene	5.801	96	342697	45.746	ug/l #	83
22) Diisopropyl ether	6.683	45	1230608	47.288	ug/l #	93
23) Vinyl Acetate	6.613	43	3973334	239.702	ug/l #	91
24) 1,1-Dichloroethane	6.583	63	684482	46.125	ug/l	97
25) 2-Butanone	7.489	43	1289452	232.319	ug/l #	85
26) 2,2-Dichloropropane	7.501	77	518083	47.673	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	410675	46.796	ug/l	88
28) Bromochloromethane	7.819	49	323184	51.502	ug/l #	77
29) Tetrahydrofuran	7.842	42	829981	231.804	ug/l #	78
30) Chloroform	7.972	83	679181	46.081	ug/l	98
31) Cyclohexane	8.266	56	622731	42.350	ug/l #	83
32) 1,1,1-Trichloroethane	8.177	97	587051	45.996	ug/l	97
36) 1,1-Dichloropropene	8.377	75	511988	46.979	ug/l	95
37) Ethyl Acetate	7.566	43	508508	45.458	ug/l #	91
38) Carbon Tetrachloride	8.366	117	503017	45.434	ug/l	99
39) Methylcyclohexane	9.607	83	646330	48.114	ug/l #	86
40) Benzene	8.613	78	1548341	46.640	ug/l	98

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41) Methacrylonitrile	7.783	41	268487	43.952	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	524636	45.366	ug/l	96
43) Isopropyl Acetate	8.695	43	816186	47.660	ug/l #	90
44) Trichloroethene	9.354	130	372000	47.260	ug/l	99
45) 1,2-Dichloropropane	9.624	63	398239	46.420	ug/l	99
46) Dibromomethane	9.713	93	251302	46.120	ug/l	96
47) Bromodichloromethane	9.889	83	532517	47.539	ug/l	96
48) Methyl methacrylate	9.683	41	396630	47.663	ug/l #	78
49) 1,4-Dioxane	9.701	88	134997	885.091	ug/l #	81
51) 4-Methyl-2-Pentanone	10.448	43	2559130	236.914	ug/l	91
52) Toluene	10.636	92	944217	47.767	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	553024	50.931	ug/l	97
54) cis-1,3-Dichloropropene	10.313	75	617295	49.493	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	359211	45.681	ug/l	96
56) Ethyl methacrylate	10.877	69	590479	50.399	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	645987	47.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	1045183	257.465	ug/l	92
59) 2-Hexanone	11.201	43	1867989	238.649	ug/l	89
60) Dibromochloromethane	11.360	129	382642	49.382	ug/l	99
61) 1,2-Dibromoethane	11.471	107	366380	48.476	ug/l	98
64) Tetrachloroethene	11.107	164	354302	49.570	ug/l	98
65) Chlorobenzene	11.895	112	961385	46.318	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	352906	47.002	ug/l	99
67) Ethyl Benzene	11.965	91	1808980	47.998	ug/l	98
68) m/p-Xylenes	12.071	106	1381352	97.417	ug/l	94
69) o-Xylene	12.401	106	677075	48.488	ug/l	90
70) Styrene	12.412	104	1123664	51.326	ug/l	96
71) Bromoform	12.583	173	257257	50.336	ug/l #	97
73) Isopropylbenzene	12.695	105	1772693	46.888	ug/l	97
74) N-amyl acetate	12.495	43	697245	47.155	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.942	83	502418	41.466	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	476925m	43.601	ug/l	
77) Bromobenzene	12.983	156	379080	45.311	ug/l	86
78) n-propylbenzene	13.036	91	2091720	48.516	ug/l	96
79) 2-Chlorotoluene	13.130	91	1258964	45.521	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	1520280	47.978	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.742	75	159251	48.015	ug/l	88
82) 4-Chlorotoluene	13.224	91	1232724	47.016	ug/l	92
83) tert-Butylbenzene	13.442	119	1267239	46.801	ug/l	93
84) 1,2,4-Trimethylbenzene	13.483	105	1515375	48.482	ug/l	95
85) sec-Butylbenzene	13.618	105	1859623	49.190	ug/l	96
86) p-Isopropyltoluene	13.730	119	1530538	50.617	ug/l	96
87) 1,3-Dichlorobenzene	13.736	146	721489	47.230	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	710915	45.833	ug/l	99
89) n-Butylbenzene	14.059	91	1338073	51.222	ug/l	98
90) Hexachloroethane	14.336	117	257734	47.176	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	712612	46.052	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	103805	45.213	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	392909	50.755	ug/l	98
94) Hexachlorobutadiene	15.506	225	189395	46.988	ug/l	98
95) Naphthalene	15.642	128	1296393	52.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	383750	50.436	ug/l	99

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

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