

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076782.D
 Acq On : 22 Feb 2023 19:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Quant Time: Feb 23 00:00:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	288410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	531129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	502861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	264797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	208667	52.396	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.800%			
35) Dibromofluoromethane	8.172	113	162108	46.606	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.220%			
50) Toluene-d8	10.572	98	674771	51.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.848	95	234713	54.556	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	136159	44.461	ug/l	97
3) Chloromethane	2.378	50	167010	41.800	ug/l	95
4) Vinyl Chloride	2.531	62	186100	47.326	ug/l	98
5) Bromomethane	2.943	94	117304	49.233	ug/l	83
6) Chloroethane	3.119	64	133377	53.670	ug/l	99
7) Trichlorofluoromethane	3.507	101	238258	44.531	ug/l	97
8) Diethyl Ether	3.972	74	99408	48.217	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.384	101	146600	46.632	ug/l	98
10) Methyl Iodide	4.601	142	198696	51.180	ug/l	99
11) Tert butyl alcohol	5.537	59	133348	253.668	ug/l	97
12) 1,1-Dichloroethene	4.348	96	135972	45.675	ug/l	96
13) Acrolein	4.190	56	175917	222.904	ug/l	98
14) Allyl chloride	5.031	41	244360	47.374	ug/l	95
15) Acrylonitrile	5.731	53	467624	250.656	ug/l	97
16) Acetone	4.437	43	385878	216.914	ug/l	99
17) Carbon Disulfide	4.725	76	331836	42.219	ug/l	96
18) Methyl Acetate	5.037	43	299722	51.616	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	530735	52.880	ug/l	98
20) Methylene Chloride	5.284	84	173486	46.532	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	153505	45.808	ug/l	96
22) Diisopropyl ether	6.684	45	665177	54.981	ug/l	96
23) Vinyl Acetate	6.613	43	2133439	298.046	ug/l	99
24) 1,1-Dichloroethane	6.578	63	330008	49.771	ug/l	98
25) 2-Butanone	7.489	43	667339	254.314	ug/l	100
26) 2,2-Dichloropropane	7.495	77	239035	49.981	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	189745	47.740	ug/l	95
28) Bromochloromethane	7.819	49	168312	53.335	ug/l	89
29) Tetrahydrofuran	7.842	42	462645	269.852	ug/l	99
30) Chloroform	7.972	83	340113	51.340	ug/l	100
31) Cyclohexane	8.266	56	298597	47.797	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	281249	50.493	ug/l	95
36) 1,1-Dichloropropene	8.378	75	238609	47.480	ug/l	99
37) Ethyl Acetate	7.572	43	279346	52.831	ug/l	98
38) Carbon Tetrachloride	8.366	117	236966	46.742	ug/l	95
39) Methylcyclohexane	9.601	83	289709	50.715	ug/l	93
40) Benzene	8.613	78	763939	49.500	ug/l	95

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41) Methacrylonitrile	7.783	41	161832	52.832	ug/l	98
42) 1,2-Dichloroethane	8.678	62	273468	50.806	ug/l	98
43) Isopropyl Acetate	8.689	43	453598	52.720	ug/l	99
44) Trichloroethene	9.354	130	172540	47.310	ug/l	92
45) 1,2-Dichloropropane	9.624	63	202404	49.543	ug/l	98
46) Dibromomethane	9.713	93	129215	49.473	ug/l	98
47) Bromodichloromethane	9.889	83	274464	52.414	ug/l #	98
48) Methyl methacrylate	9.683	41	217045	53.161	ug/l	97
49) 1,4-Dioxane	9.695	88	71708	1015.333	ug/l	96
51) 4-Methyl-2-Pentanone	10.448	43	1501594	274.300	ug/l	98
52) Toluene	10.630	92	500365	53.701	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	286497	56.685	ug/l	97
54) cis-1,3-Dichloropropene	10.313	75	304247	52.187	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	194626	51.369	ug/l	98
56) Ethyl methacrylate	10.877	69	302025	56.633	ug/l	97
57) 1,3-Dichloropropane	11.166	76	343954	52.840	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	629460	257.721	ug/l	97
59) 2-Hexanone	11.195	43	1079864	273.581	ug/l	99
60) Dibromochloromethane	11.360	129	206211	51.642	ug/l	99
61) 1,2-Dibromoethane	11.471	107	194190	51.205	ug/l	98
64) Tetrachloroethene	11.107	164	146044	46.085	ug/l	96
65) Chlorobenzene	11.895	112	532666	49.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	193501	49.989	ug/l	99
67) Ethyl Benzene	11.966	91	963974	53.094	ug/l	100
68) m/p-Xylenes	12.071	106	749736	107.131	ug/l	96
69) o-Xylene	12.401	106	371021	54.359	ug/l	99
70) Styrene	12.413	104	627531	56.856	ug/l	99
71) Bromoform	12.577	173	151505	53.359	ug/l #	99
73) Isopropylbenzene	12.695	105	984100	50.704	ug/l	99
74) N-amyl acetate	12.495	43	428002	48.924	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	311832	44.386	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	253893m	47.426	ug/l	
77) Bromobenzene	12.983	156	221714	45.786	ug/l	95
78) n-propylbenzene	13.036	91	1176237	51.610	ug/l	100
79) 2-Chlorotoluene	13.124	91	680511	48.766	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	827686	51.601	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	85522	46.529	ug/l	92
82) 4-Chlorotoluene	13.124	91	680511	48.766	ug/l	99
83) tert-Butylbenzene	13.442	119	743532	51.241	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	837226	52.373	ug/l	99
85) sec-Butylbenzene	13.618	105	1081883	53.403	ug/l	98
86) p-Isopropyltoluene	13.730	119	882840	54.573	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	445651	48.686	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	441620	48.448	ug/l	99
89) n-Butylbenzene	14.060	91	750960	53.373	ug/l	99
90) Hexachloroethane	14.336	117	157870	46.608	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	446994	47.633	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	57604	42.322	ug/l	96
93) 1,2,4-Trichlorobenzene	15.395	180	225705	48.217	ug/l	99
94) Hexachlorobutadiene	15.506	225	105777	46.105	ug/l	99
95) Naphthalene	15.642	128	733527	51.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	222917	49.154	ug/l	99

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

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