

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071363.D
 Acq On : 18 Mar 2022 11:00
 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 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 18 16:56:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	554406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	882010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	817885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	343176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	357100	46.997	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.000%		
35) Dibromofluoromethane	8.016	113	266056	47.802	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.600%		
50) Toluene-d8	10.433	98	1062342	47.406	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.820%		
62) 4-Bromofluorobenzene	12.727	95	381502	50.274	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	280217	46.118	ug/l	98
3) Chloromethane	2.299	50	381590	46.777	ug/l	98
4) Vinyl Chloride	2.440	62	356179	47.832	ug/l	100
5) Bromomethane	2.822	94	183829	56.003	ug/l	95
6) Chloroethane	2.999	64	226662	50.263	ug/l	99
7) Trichlorofluoromethane	3.363	101	491007	50.098	ug/l	98
8) Diethyl Ether	3.822	74	222877	53.141	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.210	101	294361	51.881	ug/l	95
10) Methyl Iodide	4.416	142	373599	46.620	ug/l	100
11) Tert butyl alcohol	5.363	59	410258	274.849	ug/l	99
12) 1,1-Dichloroethene	4.175	96	277874	49.995	ug/l	98
13) Acrolein	4.040	56	359980	227.848	ug/l	100
14) Allyl chloride	4.834	41	607845	50.282	ug/l	87
15) Acrylonitrile	5.545	53	1173371	264.738	ug/l	99
16) Acetone	4.281	43	997120	269.702	ug/l	98
17) Carbon Disulfide	4.528	76	690375	43.630	ug/l	98
18) Methyl Acetate	4.845	43	560745	56.414	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1145990	54.916	ug/l	95
20) Methylene Chloride	5.093	84	352190	52.105	ug/l	90
21) trans-1,2-Dichloroethene	5.592	96	298470	49.094	ug/l	90
22) Diisopropyl ether	6.492	45	1277393	53.636	ug/l	91
23) Vinyl Acetate	6.428	43	5603743	277.934	ug/l	97
24) 1,1-Dichloroethane	6.381	63	649652	51.623	ug/l	99
25) 2-Butanone	7.328	43	1642280	275.753	ug/l	97
26) 2,2-Dichloropropane	7.316	77	531570	54.751	ug/l	97
27) cis-1,2-Dichloroethene	7.316	96	369863	51.260	ug/l	89
28) Bromochloromethane	7.651	49	284775	50.815	ug/l	84
29) Tetrahydrofuran	7.675	42	1092394	264.764	ug/l	91
30) Chloroform	7.816	83	628404	52.354	ug/l	99
31) Cyclohexane	8.092	56	580039	47.803	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	540514	52.866	ug/l	98
36) 1,1-Dichloropropene	8.216	75	463351	51.959	ug/l	97
37) Ethyl Acetate	7.404	43	634768	51.722	ug/l	98
38) Carbon Tetrachloride	8.204	117	461867	53.546	ug/l	98
39) Methylcyclohexane	9.457	83	568276	54.169	ug/l	94
40) Benzene	8.457	78	1428242	53.158	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	318574	53.042	ug/l	92
42) 1,2-Dichloroethane	8.528	62	512575	54.822	ug/l	99
43) Isopropyl Acetate	8.557	43	1003039	54.653	ug/l	97
44) Trichloroethene	9.210	130	336826	53.131	ug/l	96
45) 1,2-Dichloropropane	9.486	63	391648	54.301	ug/l	100
46) Dibromomethane	9.575	93	243179	54.779	ug/l	97
47) Bromodichloromethane	9.757	83	499986	55.732	ug/l	100
48) Methyl methacrylate	9.557	41	485246	57.053	ug/l #	84
49) 1,4-Dioxane	9.563	88	180489	1220.867	ug/l	86
51) 4-Methyl-2-Pentanone	10.327	43	3272563	287.321	ug/l	99
52) Toluene	10.504	92	898135	54.285	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	565982	57.231	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	614441	56.863	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	359083	54.163	ug/l	99
56) Ethyl methacrylate	10.757	69	636040	58.747	ug/l	92
57) 1,3-Dichloropropane	11.039	76	652250	54.811	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	1100324	457.683	ug/l	94
59) 2-Hexanone	11.080	43	2393005	307.922	ug/l	99
60) Dibromochloromethane	11.233	129	382402	58.052	ug/l	98
61) 1,2-Dibromoethane	11.339	107	366046	54.023	ug/l	100
64) Tetrachloroethene	10.974	164	293753	51.497	ug/l	99
65) Chlorobenzene	11.769	112	950768	54.130	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	362029	56.211	ug/l	99
67) Ethyl Benzene	11.839	91	1734291	55.843	ug/l	97
68) m/p-Xylenes	11.951	106	1304015	114.777	ug/l	98
69) o-Xylene	12.274	106	643755	56.527	ug/l	97
70) Styrene	12.292	104	1068182	60.593	ug/l	97
71) Bromoform	12.457	173	294778	60.269	ug/l #	100
73) Isopropylbenzene	12.574	105	1694580	51.224	ug/l	100
74) N-amyl acetate	12.386	43	725190	58.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	574787	58.926	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	456623m	55.192	ug/l	
77) Bromobenzene	12.857	156	393657	51.030	ug/l	81
78) n-propylbenzene	12.916	91	1913754	53.910	ug/l	97
79) 2-Chlorotoluene	13.004	91	1161651	50.977	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	1354741	52.637	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	186099	58.621	ug/l	91
82) 4-Chlorotoluene	13.098	91	1107589	54.567	ug/l	93
83) tert-Butylbenzene	13.321	119	1219386	53.089	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	1339667	54.342	ug/l	99
85) sec-Butylbenzene	13.498	105	1676820	54.925	ug/l	99
86) p-Isopropyltoluene	13.610	119	1358883	56.598	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	665975	53.133	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	636424	51.944	ug/l	98
89) n-Butylbenzene	13.939	91	1080571	57.542	ug/l	97
90) Hexachloroethane	14.204	117	254843	53.375	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	642990	53.358	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	107393	55.794	ug/l	89
93) 1,2,4-Trichlorobenzene	15.257	180	315759	55.776	ug/l	98
94) Hexachlorobutadiene	15.362	225	176599	52.203	ug/l	100
95) Naphthalene	15.504	128	971234	60.547	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	314662	57.944	ug/l	98

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

