

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080522\
 Data File : VN073752.D
 Acq On : 05 Aug 2022 10:34
 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 08/08/2022
 Supervised By : Mahesh Dadoda 08/08/2022

Quant Time: Aug 07 20:45:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	396359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	613918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	566213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	284259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	223651	46.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.600%		
35) Dibromofluoromethane	7.951	113	195006	50.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.160%		
50) Toluene-d8	10.381	98	766328	50.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.040%		
62) 4-Bromofluorobenzene	12.669	95	255277	50.308	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	157624	41.001	ug/l	99
3) Chloromethane	2.269	50	204492	43.954	ug/l	99
4) Vinyl Chloride	2.405	62	269044	40.015	ug/l	100
5) Bromomethane	2.781	94	191555	49.123	ug/l	97
6) Chloroethane	2.952	64	186493	47.447	ug/l	100
7) Trichlorofluoromethane	3.305	101	302985	43.725	ug/l	98
8) Diethyl Ether	3.763	74	119485	45.922	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.134	101	181398	47.316	ug/l	100
10) Methyl Iodide	4.346	142	169377	43.458	ug/l	99
11) Tert butyl alcohol	5.293	59	240513	230.881	ug/l	99
12) 1,1-Dichloroethene	4.110	96	174464	46.393	ug/l	90
13) Acrolein	3.975	56	313916	303.961	ug/l	99
14) Allyl chloride	4.757	41	270960	45.068	ug/l	97
15) Acrylonitrile	5.469	53	688416	238.902	ug/l	99
16) Acetone	4.216	43	552767	213.063	ug/l	98
17) Carbon Disulfide	4.457	76	418823	42.003	ug/l	99
18) Methyl Acetate	4.769	43	314012	48.650	ug/l	99
19) Methyl tert-butyl Ether	5.528	73	643136	50.061	ug/l	100
20) Methylene Chloride	5.010	84	215388	51.380	ug/l	99
21) trans-1,2-Dichloroethene	5.504	96	189549	46.563	ug/l	96
22) Diisopropyl ether	6.404	45	627157	48.350	ug/l	96
23) Vinyl Acetate	6.346	43	2715538	249.702	ug/l	99
24) 1,1-Dichloroethane	6.304	63	367755	46.085	ug/l	99
25) 2-Butanone	7.257	43	937415	232.666	ug/l	99
26) 2,2-Dichloropropane	7.245	77	300672	48.973	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	240188	47.889	ug/l	96
28) Bromochloromethane	7.587	49	154485	46.107	ug/l	99
29) Tetrahydrofuran	7.604	42	599679	235.414	ug/l	99
30) Chloroform	7.745	83	394960	47.505	ug/l	98
31) Cyclohexane	8.022	56	310484	43.175	ug/l	98
32) 1,1,1-Trichloroethane	7.940	97	329440	47.721	ug/l	98
36) 1,1-Dichloropropene	8.151	75	277691	50.541	ug/l	100
37) Ethyl Acetate	7.334	43	355748	49.165	ug/l	99
38) Carbon Tetrachloride	8.128	117	282698	50.660	ug/l	96
39) Methylcyclohexane	9.392	83	345617	52.640	ug/l	98
40) Benzene	8.387	78	882838	49.482	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	161584	49.350	ug/l	99
42) 1,2-Dichloroethane	8.463	62	294719	49.013	ug/l	99
43) Isopropyl Acetate	8.492	43	510461	52.230	ug/l	99
44) Trichloroethene	9.151	130	228465	50.496	ug/l	99
45) 1,2-Dichloropropane	9.428	63	222237	49.834	ug/l	99
46) Dibromomethane	9.516	93	158408	51.179	ug/l	99
47) Bromodichloromethane	9.698	83	304528	51.263	ug/l	98
48) Methyl methacrylate	9.498	41	227561	53.193	ug/l	91
49) 1,4-Dioxane	9.504	88	122699	1017.463	ug/l	96
51) 4-Methyl-2-Pentanone	10.269	43	1834902	261.762	ug/l	99
52) Toluene	10.439	92	569650	52.271	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	322014	54.870	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	355609	53.772	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	236259	51.988	ug/l	98
56) Ethyl methacrylate	10.704	69	368352	58.810	ug/l	99
57) 1,3-Dichloropropane	10.986	76	391665	50.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.981	63	799361	241.523	ug/l	99
59) 2-Hexanone	11.028	43	1410738	265.630	ug/l	99
60) Dibromochloromethane	11.180	129	254677	56.332	ug/l	99
61) 1,2-Dibromoethane	11.286	107	244840	52.311	ug/l	100
64) Tetrachloroethene	10.916	164	221981	49.331	ug/l	97
65) Chlorobenzene	11.710	112	620455	51.590	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	231895	53.757	ug/l	99
67) Ethyl Benzene	11.786	91	1098870	54.159	ug/l	99
68) m/p-Xylenes	11.892	106	864387	111.699	ug/l	99
69) o-Xylene	12.222	106	424747	56.299	ug/l	99
70) Styrene	12.233	104	710672	58.844	ug/l	98
71) Bromoform	12.398	173	199840	56.125	ug/l #	99
73) Isopropylbenzene	12.522	105	1100716	52.897	ug/l	99
74) N-amyl acetate	12.327	43	415154	52.805	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.769	83	376380	46.873	ug/l	100
76) 1,2,3-Trichloropropane	12.822	75	265790m	51.113	ug/l	
77) Bromobenzene	12.798	156	272897	50.360	ug/l	98
78) n-propylbenzene	12.857	91	1265184	54.037	ug/l	100
79) 2-Chlorotoluene	12.945	91	749944	51.320	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	928651	54.231	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.569	75	115003	52.430	ug/l	99
82) 4-Chlorotoluene	13.045	91	726067	52.424	ug/l	97
83) tert-Butylbenzene	13.263	119	821049	54.131	ug/l	99
84) 1,2,4-Trimethylbenzene	13.304	105	917281	54.477	ug/l	99
85) sec-Butylbenzene	13.439	105	1160634	55.365	ug/l	100
86) p-Isopropyltoluene	13.557	119	979002	59.240	ug/l	99
87) 1,3-Dichlorobenzene	13.551	146	504810	51.036	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	498273	50.348	ug/l	98
89) n-Butylbenzene	13.880	91	783417	58.262	ug/l	99
90) Hexachloroethane	14.151	117	170791	52.088	ug/l	98
91) 1,2-Dichlorobenzene	13.927	146	511077	50.990	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	79918	49.536	ug/l	90
93) 1,2,4-Trichlorobenzene	15.198	180	290603	58.384	ug/l	99
94) Hexachlorobutadiene	15.298	225	146487	54.135	ug/l	99
95) Naphthalene	15.433	128	930567	57.613	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	298029	56.891	ug/l	99

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

