

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072068.D
 Acq On : 20 Apr 2022 10:21
 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 04/21/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 20 15:33:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	527452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	791566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	725982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	321587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	264391	43.908	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.820%		
35) Dibromofluoromethane	8.016	113	238307	51.162	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.320%		
50) Toluene-d8	10.439	98	917781	48.166	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.340%		
62) 4-Bromofluorobenzene	12.727	95	319583	51.859	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.720%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	280652	66.929	ug/l	98
3) Chloromethane	2.299	50	295755	55.660	ug/l	100
4) Vinyl Chloride	2.440	62	295229	50.594	ug/l	99
5) Bromomethane	2.834	94	188724	49.752	ug/l	96
6) Chloroethane	3.004	64	195848	46.654	ug/l	96
7) Trichlorofluoromethane	3.369	101	421774	56.812	ug/l	100
8) Diethyl Ether	3.822	74	178819	56.994	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.210	101	265236	57.975	ug/l	98
10) Methyl Iodide	4.422	142	359365	56.192	ug/l	100
11) Tert butyl alcohol	5.363	59	233248	238.693	ug/l	98
12) 1,1-Dichloroethene	4.181	96	251340	57.731	ug/l	93
13) Acrolein	4.034	56	216673	181.851	ug/l	100
14) Allyl chloride	4.840	41	376178	53.236	ug/l	94
15) Acrylonitrile	5.545	53	781848	275.264	ug/l	98
16) Acetone	4.281	43	643358	250.007	ug/l	93
17) Carbon Disulfide	4.528	76	603648	60.431	ug/l	99
18) Methyl Acetate	4.845	43	336311	52.862	ug/l	99
19) Methyl tert-butyl Ether	5.604	73	888903	54.959	ug/l	99
20) Methylene Chloride	5.092	84	297124	54.779	ug/l	96
21) trans-1,2-Dichloroethene	5.598	96	269676	56.426	ug/l	95
22) Diisopropyl ether	6.487	45	826291	53.714	ug/l	99
23) Vinyl Acetate	6.428	43	3482476	284.677	ug/l	99
24) 1,1-Dichloroethane	6.381	63	498183	55.165	ug/l	98
25) 2-Butanone	7.328	43	973438	262.395	ug/l	97
26) 2,2-Dichloropropane	7.322	77	421381	54.316	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	331142	56.502	ug/l	97
28) Bromochloromethane	7.651	49	161706	44.389	ug/l	95
29) Tetrahydrofuran	7.675	42	624714	260.064	ug/l	95
30) Chloroform	7.810	83	518153	54.338	ug/l	99
31) Cyclohexane	8.086	56	454358	55.485	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	442617	54.258	ug/l	98
36) 1,1-Dichloropropene	8.216	75	381797	58.697	ug/l	99
37) Ethyl Acetate	7.404	43	393693	55.298	ug/l	97
38) Carbon Tetrachloride	8.198	117	374203	58.700	ug/l	99
39) Methylcyclohexane	9.457	83	488707	63.117	ug/l	99
40) Benzene	8.457	78	1201737	58.485	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	213413	61.220	ug/l	90
42) 1,2-Dichloroethane	8.528	62	380773	53.570	ug/l	98
43) Isopropyl Acetate	8.557	43	620270	52.379	ug/l	98
44) Trichloroethene	9.210	130	312281	58.991	ug/l	98
45) 1,2-Dichloropropane	9.486	63	294240	57.321	ug/l	99
46) Dibromomethane	9.569	93	199710	57.301	ug/l	97
47) Bromodichloromethane	9.757	83	398896	58.143	ug/l	97
48) Methyl methacrylate	9.551	41	283378	57.679	ug/l	93
49) 1,4-Dioxane	9.563	88	106934	916.299	ug/l	99
51) 4-Methyl-2-Pentanone	10.322	43	1914783	281.237	ug/l	96
52) Toluene	10.498	92	779730	60.031	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	434312	60.402	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	484019	60.923	ug/l	93
55) 1,1,2-Trichloroethane	10.892	97	307447	57.513	ug/l	98
56) Ethyl methacrylate	10.757	69	472555	61.967	ug/l	92
57) 1,3-Dichloropropane	11.039	76	513073	57.405	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.033	63	706820	297.597	ug/l	100
59) 2-Hexanone	11.080	43	1383916	288.707	ug/l	95
60) Dibromochloromethane	11.233	129	320033	61.399	ug/l	99
61) 1,2-Dibromoethane	11.339	107	311372	59.173	ug/l	99
64) Tetrachloroethene	10.969	164	276523	57.682	ug/l	97
65) Chlorobenzene	11.763	112	824877	56.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	298818	56.966	ug/l	100
67) Ethyl Benzene	11.839	91	1454879	59.120	ug/l	99
68) m/p-Xylenes	11.951	106	1154117	122.061	ug/l	100
69) o-Xylene	12.274	106	570538	60.793	ug/l	97
70) Styrene	12.286	104	927016	65.193	ug/l	98
71) Bromoform	12.451	173	249688	62.506	ug/l #	99
73) Isopropylbenzene	12.574	105	1453562	53.638	ug/l	100
74) N-amyl acetate	12.380	43	418575	53.909	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	456098	50.443	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	388754m	52.183	ug/l	
77) Bromobenzene	12.857	156	357775	52.665	ug/l	96
78) n-propylbenzene	12.915	91	1608524	56.428	ug/l	100
79) 2-Chlorotoluene	13.004	91	984521	53.854	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	1188663	55.361	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	136496	56.779	ug/l	95
82) 4-Chlorotoluene	13.098	91	936968	55.294	ug/l	100
83) tert-Butylbenzene	13.315	119	1071300	54.583	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1175637	56.118	ug/l	100
85) sec-Butylbenzene	13.498	105	1439763	56.588	ug/l	100
86) p-Isopropyltoluene	13.610	119	1210540	59.672	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	604764	55.879	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	588685	55.754	ug/l	100
89) n-Butylbenzene	13.939	91	872337	57.977	ug/l	99
90) Hexachloroethane	14.204	117	203665	54.844	ug/l	94
91) 1,2-Dichlorobenzene	13.980	146	564265	53.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	72290	51.544	ug/l	95
93) 1,2,4-Trichlorobenzene	15.257	180	279564	54.430	ug/l	100
94) Hexachlorobutadiene	15.362	225	171017	54.574	ug/l	98
95) Naphthalene	15.498	128	757622	51.603	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	269022	54.056	ug/l	99

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

