

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073703.D
 Acq On : 03 Aug 2022 11:17
 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 08/04/2022
 Supervised By : Mahesh Dadoda 08/04/2022

Quant Time: Aug 04 05:30:50 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	356428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	554173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	527120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	268773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	223781	51.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	7.951	113	190559	54.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.520%			
50) Toluene-d8	10.380	98	770509	56.268	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.540%			
62) 4-Bromofluorobenzene	12.668	95	256989	55.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	152383	44.078	ug/l	92
3) Chloromethane	2.269	50	205022	49.308	ug/l	97
4) Vinyl Chloride	2.404	62	265514	43.914	ug/l	98
5) Bromomethane	2.781	94	116782	33.303	ug/l	100
6) Chloroethane	2.946	64	185809	52.808	ug/l	96
7) Trichlorofluoromethane	3.304	101	285426	45.805	ug/l	99
8) Diethyl Ether	3.763	74	110197	47.097	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.134	101	171968	49.881	ug/l	100
10) Methyl Iodide	4.345	142	157405	44.911	ug/l	98
11) Tert butyl alcohol	5.287	59	213034	227.413	ug/l	100
12) 1,1-Dichloroethene	4.104	96	161369	47.719	ug/l	93
13) Acrolein	3.975	56	257047	276.779	ug/l	99
14) Allyl chloride	4.757	41	253704	46.925	ug/l	97
15) Acrylonitrile	5.469	53	641627	247.610	ug/l	100
16) Acetone	4.216	43	503330	215.742	ug/l	99
17) Carbon Disulfide	4.451	76	410502	45.781	ug/l	99
18) Methyl Acetate	4.769	43	281584	48.513	ug/l	99
19) Methyl tert-butyl Ether	5.528	73	590668	51.128	ug/l	99
20) Methylene Chloride	5.004	84	200367	53.231	ug/l	98
21) trans-1,2-Dichloroethene	5.504	96	183733	50.191	ug/l	94
22) Diisopropyl ether	6.410	45	588090	50.418	ug/l	99
23) Vinyl Acetate	6.345	43	2559141	261.684	ug/l	99
24) 1,1-Dichloroethane	6.298	63	343897	47.923	ug/l	99
25) 2-Butanone	7.257	43	866798	239.241	ug/l	98
26) 2,2-Dichloropropane	7.245	77	275205	49.847	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	225433	49.982	ug/l	95
28) Bromochloromethane	7.581	49	150134	49.828	ug/l	98
29) Tetrahydrofuran	7.604	42	561599	245.164	ug/l	98
30) Chloroform	7.745	83	367736	49.185	ug/l	100
31) Cyclohexane	8.022	56	304491	47.086	ug/l	99
32) 1,1,1-Trichloroethane	7.939	97	303889	48.952	ug/l	99
36) 1,1-Dichloropropene	8.145	75	269176	54.273	ug/l	99
37) Ethyl Acetate	7.334	43	340475	52.127	ug/l	98
38) Carbon Tetrachloride	8.133	117	259733	51.563	ug/l	97
39) Methylcyclohexane	9.392	83	332371	56.080	ug/l	98
40) Benzene	8.386	78	842838	52.333	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	150746	51.004	ug/l	96
42) 1,2-Dichloroethane	8.463	62	279454	51.485	ug/l	99
43) Isopropyl Acetate	8.492	43	474712	53.809	ug/l	99
44) Trichloroethene	9.151	130	211811	51.862	ug/l	99
45) 1,2-Dichloropropane	9.428	63	212578	52.807	ug/l	96
46) Dibromomethane	9.516	93	148769	53.247	ug/l	99
47) Bromodichloromethane	9.698	83	287606	53.634	ug/l	99
48) Methyl methacrylate	9.498	41	221295	57.305	ug/l	98
49) 1,4-Dioxane	9.504	88	115868	1064.403	ug/l	97
51) 4-Methyl-2-Pentanone	10.269	43	1726355	272.827	ug/l	100
52) Toluene	10.445	92	549802	55.889	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	296125	55.899	ug/l	100
54) cis-1,3-Dichloropropene	10.127	75	330797	55.413	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	222119	54.146	ug/l	98
56) Ethyl methacrylate	10.704	69	338072	59.794	ug/l	99
57) 1,3-Dichloropropane	10.986	76	371101	53.319	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	749296	250.421	ug/l	99
59) 2-Hexanone	11.027	43	1319761	275.290	ug/l	99
60) Dibromochloromethane	11.174	129	235713	57.758	ug/l	100
61) 1,2-Dibromoethane	11.286	107	232034	54.920	ug/l	99
64) Tetrachloroethene	10.916	164	212244	50.665	ug/l	97
65) Chlorobenzene	11.710	112	589157	52.620	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	216517	53.915	ug/l	99
67) Ethyl Benzene	11.786	91	1054848	55.845	ug/l	99
68) m/p-Xylenes	11.892	106	830274	115.248	ug/l	100
69) o-Xylene	12.221	106	406908	57.934	ug/l	99
70) Styrene	12.233	104	683009	60.748	ug/l	98
71) Bromoform	12.398	173	187205	56.476	ug/l	100
73) Isopropylbenzene	12.521	105	1058771	53.813	ug/l	100
74) N-amyl acetate	12.327	43	383033	51.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	356061	46.898	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	258118m	52.591	ug/l	
77) Bromobenzene	12.798	156	263600	51.448	ug/l	98
78) n-propylbenzene	12.863	91	1240492	56.035	ug/l	99
79) 2-Chlorotoluene	12.945	91	726290	52.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	892322	55.111	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.568	75	107280	51.727	ug/l	99
82) 4-Chlorotoluene	13.045	91	703730	53.739	ug/l	97
83) tert-Butylbenzene	13.263	119	778778	54.303	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	885883	55.643	ug/l	100
85) sec-Butylbenzene	13.439	105	1115694	56.287	ug/l	100
86) p-Isopropyltoluene	13.557	119	937594	60.003	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	483111	51.657	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	479545	51.247	ug/l	99
89) n-Butylbenzene	13.880	91	743469	58.477	ug/l	100
90) Hexachloroethane	14.151	117	163291	52.670	ug/l	99
91) 1,2-Dichlorobenzene	13.927	146	490279	51.733	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	74668	48.949	ug/l	94
93) 1,2,4-Trichlorobenzene	15.198	180	269950	57.360	ug/l	99
94) Hexachlorobutadiene	15.298	225	137232	53.637	ug/l	99
95) Naphthalene	15.433	128	869694	56.946	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	274065	55.330	ug/l	99

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

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