

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071066.D
 Acq On : 24 Feb 2022 19:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/25/2022
 Supervised By : Mahesh Dadoda 02/25/2022

Quant Time: Feb 25 02:46:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	656540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1066327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	958172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	408080	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	411249	54.835	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.660%	
35) Dibromofluoromethane	8.016	113	318201	50.170	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.340%	
50) Toluene-d8	10.439	98	1271407	49.916	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	12.727	95	442082	48.557	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.120%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	305959	44.868	ug/l	98
3) Chloromethane	2.299	50	407923	47.593	ug/l	97
4) Vinyl Chloride	2.440	62	393383	45.848	ug/l	97
5) Bromomethane	2.834	94	210595	43.207	ug/l	99
6) Chloroethane	3.004	64	235193	41.783	ug/l	97
7) Trichlorofluoromethane	3.369	101	529373	49.232	ug/l	99
8) Diethyl Ether	3.822	74	233087	49.865	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.210	101	302086	45.790	ug/l	97
10) Methyl Iodide	4.422	142	435297	47.642	ug/l	98
11) Tert butyl alcohol	5.363	59	388389	284.162	ug/l	99
12) 1,1-Dichloroethene	4.181	96	297952	46.355	ug/l	97
13) Acrolein	4.034	56	346164	283.432	ug/l	99
14) Allyl chloride	4.840	41	632884	51.629	ug/l	86
15) Acrylonitrile	5.545	53	1202307	298.641	ug/l	99
16) Acetone	4.281	43	954137	231.010	ug/l	97
17) Carbon Disulfide	4.534	76	682142	37.008	ug/l	98
18) Methyl Acetate	4.851	43	559426	62.002	ug/l	97
19) Methyl tert-butyl Ether	5.610	73	1224215	54.296	ug/l	98
20) Methylene Chloride	5.093	84	367644	48.977	ug/l	94
21) trans-1,2-Dichloroethene	5.598	96	317343	46.000	ug/l	92
22) Diisopropyl ether	6.492	45	1350003	57.421	ug/l	90
23) Vinyl Acetate	6.428	43	5811458	292.003	ug/l	98
24) 1,1-Dichloroethane	6.381	63	692825	52.568	ug/l	100
25) 2-Butanone	7.328	43	1643578	299.133	ug/l	98
26) 2,2-Dichloropropane	7.322	77	529331	48.325	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	395646	49.898	ug/l	91
28) Bromochloromethane	7.657	49	267752	50.194	ug/l	84
29) Tetrahydrofuran	7.675	42	1121169	314.987	ug/l	92
30) Chloroform	7.816	83	661759	51.051	ug/l	99
31) Cyclohexane	8.092	56	629552	48.537	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	572509	51.143	ug/l	99
36) 1,1-Dichloropropene	8.216	75	487967	46.960	ug/l	96
37) Ethyl Acetate	7.404	43	674236	60.501	ug/l	98
38) Carbon Tetrachloride	8.204	117	475302	46.423	ug/l	98
39) Methylcyclohexane	9.457	83	603762	45.155	ug/l	95
40) Benzene	8.457	78	1534495	49.923	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	325624	55.478	ug/l	92
42) 1,2-Dichloroethane	8.528	62	539221	51.509	ug/l	98
43) Isopropyl Acetate	8.557	43	1059448	60.313	ug/l	97
44) Trichloroethene	9.210	130	363716	44.937	ug/l	95
45) 1,2-Dichloropropane	9.486	63	411995	52.327	ug/l	99
46) Dibromomethane	9.575	93	252634	48.757	ug/l	98
47) Bromodichloromethane	9.757	83	510380	48.738	ug/l	99
48) Methyl methacrylate	9.557	41	498690	59.979	ug/l #	83
49) 1,4-Dioxane	9.563	88	160683	1088.090	ug/l	89
51) 4-Methyl-2-Pentanone	10.328	43	3313972	310.082	ug/l	98
52) Toluene	10.498	92	964349	49.930	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	578254	50.783	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	631758	50.520	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	376592	49.813	ug/l	98
56) Ethyl methacrylate	10.757	69	656000	57.590	ug/l	91
57) 1,3-Dichloropropane	11.039	76	683920	52.299	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	732630	284.166	ug/l	96
59) 2-Hexanone	11.080	43	2351966	319.983	ug/l	99
60) Dibromochloromethane	11.233	129	388486	48.623	ug/l	100
61) 1,2-Dibromoethane	11.339	107	389162	50.608	ug/l	100
64) Tetrachloroethene	10.975	164	310601	41.623	ug/l	96
65) Chlorobenzene	11.763	112	1017420	49.277	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	374376	49.742	ug/l	98
67) Ethyl Benzene	11.839	91	1847424	51.122	ug/l	98
68) m/p-Xylenes	11.945	106	1398390	100.181	ug/l	99
69) o-Xylene	12.274	106	706605	51.820	ug/l	100
70) Styrene	12.292	104	1134615	52.331	ug/l	97
71) Bromoform	12.451	173	292182	48.745	ug/l #	100
73) Isopropylbenzene	12.574	105	1803382	54.903	ug/l	100
74) N-amyl acetate	12.380	43	749406	71.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	602180	57.692	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	444167m	46.227	ug/l	
77) Bromobenzene	12.857	156	424916	52.844	ug/l	85
78) n-propylbenzene	12.916	91	2005322	54.337	ug/l	98
79) 2-Chlorotoluene	13.004	91	1224387	54.631	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1426750	53.615	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	175944	59.338	ug/l	91
82) 4-Chlorotoluene	13.098	91	1157716	53.215	ug/l	95
83) tert-Butylbenzene	13.321	119	1329639	52.686	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1420062	54.210	ug/l	100
85) sec-Butylbenzene	13.498	105	1786128	53.711	ug/l	100
86) p-Isopropyltoluene	13.610	119	1453815	53.255	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	715699	50.280	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	690531	49.514	ug/l	98
89) n-Butylbenzene	13.939	91	1137435	51.069	ug/l	96
90) Hexachloroethane	14.204	117	255768	52.462	ug/l	89
91) 1,2-Dichlorobenzene	13.980	146	694259	51.941	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	106883	63.201	ug/l	92
93) 1,2,4-Trichlorobenzene	15.257	180	341340	45.616	ug/l	98
94) Hexachlorobutadiene	15.362	225	194483	39.900	ug/l	99
95) Naphthalene	15.498	128	1020152	55.326	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	337709	48.821	ug/l	99

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

