

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012522\
 Data File : VN070767.D
 Acq On : 25 Jan 2022 11:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/26/2022
 Supervised By :Mahesh Dadoda 01/26/2022

Quant Time: Jan 26 00:47:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	652048	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	1038258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	984374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	431729	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	479967	51.362	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.720%	
35) Dibromofluoromethane	8.021	113	333136	51.727	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.460%	
50) Toluene-d8	10.440	98	1371089	50.535	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	12.731	95	518993	53.681	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	348215	46.215	ug/l	98
3) Chloromethane	2.303	50	457903	41.576	ug/l	99
4) Vinyl Chloride	2.448	62	504237	48.136	ug/l	98
5) Bromomethane	2.842	94	320575	58.759	ug/l	99
6) Chloroethane	3.017	64	351181	53.722	ug/l	98
7) Trichlorofluoromethane	3.376	101	701046	58.584	ug/l	98
8) Diethyl Ether	3.824	74	233787	44.724	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.210	101	339147	46.892	ug/l	95
10) Methyl Iodide	4.419	142	446227	47.846	ug/l	97
11) Tert butyl alcohol	5.377	59	379295	224.976	ug/l	98
12) 1,1-Dichloroethene	4.181	96	317365	43.996	ug/l	89
13) Acrolein	4.038	56	531040	219.624	ug/l	99
14) Allyl chloride	4.840	41	728955	46.380	ug/l	86
15) Acrylonitrile	5.554	53	1243683	231.887	ug/l	99
16) Acetone	4.285	43	1425610	219.797	ug/l	99
17) Carbon Disulfide	4.529	76	877940	44.813	ug/l	99
18) Methyl Acetate	4.854	43	566667	44.425	ug/l	93
19) Methyl tert-butyl Ether	5.615	73	1276237	49.525	ug/l	95
20) Methylene Chloride	5.092	84	389400	45.578	ug/l	87
21) trans-1,2-Dichloroethene	5.594	96	346640	47.747	ug/l	87
22) Diisopropyl ether	6.495	45	1470745	47.211	ug/l	91
23) Vinyl Acetate	6.433	43	6370144	241.223	ug/l	95
24) 1,1-Dichloroethane	6.385	63	744334	47.765	ug/l	98
25) 2-Butanone	7.335	43	1895187	232.207	ug/l	93
26) 2,2-Dichloropropane	7.324	77	609950	51.053	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	410255	47.570	ug/l	86
28) Bromochloromethane	7.656	49	336082	48.036	ug/l	# 78
29) Tetrahydrofuran	7.683	42	1151253	230.369	ug/l	89
30) Chloroform	7.817	83	724601	47.593	ug/l	99
31) Cyclohexane	8.094	56	722616	43.914	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	624120	51.600	ug/l	98
36) 1,1-Dichloropropene	8.220	75	540250	49.828	ug/l	95
37) Ethyl Acetate	7.412	43	684517	47.555	ug/l	97
38) Carbon Tetrachloride	8.206	117	527357	54.675	ug/l	99
39) Methylcyclohexane	9.459	83	668228	49.923	ug/l	90
40) Benzene	8.458	78	1633487	48.623	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	357347	48.797	ug/l	88
42) 1,2-Dichloroethane	8.528	62	610016	52.367	ug/l	98
43) Isopropyl Acetate	8.560	43	1086443	49.416	ug/l	95
44) Trichloroethene	9.215	130	378218	49.661	ug/l	93
45) 1,2-Dichloropropane	9.488	63	446586	48.858	ug/l	98
46) Dibromomethane	9.577	93	273184	51.401	ug/l	94
47) Bromodichloromethane	9.759	83	566380	52.133	ug/l	99
48) Methyl methacrylate	9.558	41	527527	50.365	ug/l #	80
49) 1,4-Dioxane	9.569	88	156459	994.465	ug/l #	84
51) 4-Methyl-2-Pentanone	10.330	43	3519640	250.883	ug/l	98
52) Toluene	10.505	92	1014336	50.475	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	632886	48.132	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	686528	52.692	ug/l	98
55) 1,1,2-Trichloroethane	10.896	97	394794	50.009	ug/l	96
56) Ethyl methacrylate	10.759	69	686795	45.939	ug/l	89
57) 1,3-Dichloropropane	11.044	76	710807	50.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	885766	234.038	ug/l	91
59) 2-Hexanone	11.084	43	2644384	259.470	ug/l	97
60) Dibromochloromethane	11.237	129	407427	55.329	ug/l	100
61) 1,2-Dibromoethane	11.344	107	401051	50.598	ug/l	99
64) Tetrachloroethene	10.977	164	345058	47.809	ug/l	94
65) Chlorobenzene	11.768	112	1059057	49.657	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	385304	52.463	ug/l	99
67) Ethyl Benzene	11.843	91	2023112	51.164	ug/l	95
68) m/p-Xylenes	11.953	106	1480036	102.889	ug/l	89
69) o-Xylene	12.277	106	729597	51.109	ug/l	89
70) Styrene	12.294	104	1214989	53.202	ug/l	95
71) Bromoform	12.457	173	305664	55.098	ug/l #	100
73) Isopropylbenzene	12.578	105	1961036	48.013	ug/l	97
74) N-amyl acetate	12.387	43	791975	47.425	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.825	83	632234	45.835	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	561064m	48.999	ug/l	
77) Bromobenzene	12.859	156	442872	48.362	ug/l	76
78) n-propylbenzene	12.918	91	2297115	50.290	ug/l	95
79) 2-Chlorotoluene	13.007	91	1405218	48.633	ug/l	91
80) 1,3,5-Trimethylbenzene	13.058	105	1650139	49.960	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.623	75	193076	50.234	ug/l	95
82) 4-Chlorotoluene	13.103	91	1357830	50.296	ug/l	91
83) tert-Butylbenzene	13.321	119	1415722	49.240	ug/l	92
84) 1,2,4-Trimethylbenzene	13.366	105	1598548	50.350	ug/l	96
85) sec-Butylbenzene	13.500	105	2022102	51.733	ug/l	96
86) p-Isopropyltoluene	13.613	119	1629161	53.058	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	773299	50.763	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	746634	49.250	ug/l	96
89) n-Butylbenzene	13.940	91	1355152	53.497	ug/l	97
90) Hexachloroethane	14.208	117	281267	52.403	ug/l	92
91) 1,2-Dichlorobenzene	13.986	146	731419	48.597	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.603	75	116095	49.617	ug/l	78
93) 1,2,4-Trichlorobenzene	15.262	180	365834	46.149	ug/l	98
94) Hexachlorobutadiene	15.367	225	244607	54.875	ug/l	99
95) Naphthalene	15.504	128	911519	41.635	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	352740	46.505	ug/l	98

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

