

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030422\
 Data File : VN071170.D
 Acq On : 04 Mar 2022 16:49
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 04 22:17:29 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	659056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1067764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	973790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	396474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	416458	55.317	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.640%			
35) Dibromofluoromethane	8.016	113	325722	51.286	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.580%			
50) Toluene-d8	10.433	98	1289108	50.543	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.727	95	447662	49.103	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	277429	40.529	ug/l	99
3) Chloromethane	2.299	50	370924	43.111	ug/l	100
4) Vinyl Chloride	2.446	62	357217	41.474	ug/l	98
5) Bromomethane	2.834	94	194603	39.773	ug/l	97
6) Chloroethane	3.010	64	230919	40.867	ug/l	96
7) Trichlorofluoromethane	3.375	101	496206	45.971	ug/l	98
8) Diethyl Ether	3.828	74	220796	47.055	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.216	101	300040	45.307	ug/l	95
10) Methyl Iodide	4.422	142	398255	43.422	ug/l	99
11) Tert butyl alcohol	5.357	59	344977	251.436	ug/l	98
12) 1,1-Dichloroethene	4.181	96	277920	43.074	ug/l	95
13) Acrolein	4.040	56	303774	247.774	ug/l	100
14) Allyl chloride	4.840	41	611953	49.731	ug/l #	86
15) Acrylonitrile	5.546	53	1080374	267.330	ug/l	98
16) Acetone	4.275	43	899642	216.984	ug/l	96
17) Carbon Disulfide	4.534	76	639732	34.575	ug/l	100
18) Methyl Acetate	4.846	43	501424	55.296	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1161794	51.331	ug/l	95
20) Methylene Chloride	5.099	84	350404	46.502	ug/l	92
21) trans-1,2-Dichloroethene	5.593	96	299390	43.232	ug/l	92
22) Diisopropyl ether	6.487	45	1318027	55.847	ug/l	94
23) Vinyl Acetate	6.428	43	5480115	274.303	ug/l	99
24) 1,1-Dichloroethane	6.387	63	665547	50.305	ug/l	99
25) 2-Butanone	7.322	43	1432735	259.764	ug/l	95
26) 2,2-Dichloropropane	7.322	77	535860	48.734	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	383139	48.137	ug/l	91
28) Bromochloromethane	7.651	49	281047	52.485	ug/l	84
29) Tetrahydrofuran	7.675	42	965477	270.210	ug/l	92
30) Chloroform	7.810	83	638362	49.058	ug/l	99
31) Cyclohexane	8.087	56	593149	45.556	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	547489	48.721	ug/l	98
36) 1,1-Dichloropropene	8.216	75	460542	44.261	ug/l	97
37) Ethyl Acetate	7.404	43	593567	53.191	ug/l	97
38) Carbon Tetrachloride	8.204	117	462871	45.148	ug/l	99
39) Methylcyclohexane	9.457	83	567130	42.358	ug/l	95
40) Benzene	8.451	78	1445955	46.979	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	303967	51.719	ug/l	88
42) 1,2-Dichloroethane	8.528	62	514944	49.124	ug/l	99
43) Isopropyl Acetate	8.551	43	929694	52.855	ug/l	98
44) Trichloroethene	9.210	130	344270	42.477	ug/l	100
45) 1,2-Dichloropropane	9.486	63	389743	49.434	ug/l	100
46) Dibromomethane	9.569	93	237895	45.851	ug/l	97
47) Bromodichloromethane	9.757	83	507996	48.445	ug/l	99
48) Methyl methacrylate	9.551	41	451645	54.248	ug/l #	82
49) 1,4-Dioxane	9.563	88	146325	989.529	ug/l	88
51) 4-Methyl-2-Pentanone	10.322	43	2948071	275.474	ug/l	99
52) Toluene	10.498	92	898399	46.452	ug/l	97
53) t-1,3-Dichloropropene	10.710	75	559779	49.094	ug/l	98
54) cis-1,3-Dichloropropene	10.181	75	611933	48.869	ug/l	95
55) 1,1,2-Trichloroethane	10.892	97	367177	48.502	ug/l	98
56) Ethyl methacrylate	10.757	69	604697	53.015	ug/l	91
57) 1,3-Dichloropropane	11.039	76	643597	49.149	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.034	63	454732	188.229	ug/l	95
59) 2-Hexanone	11.081	43	1986363	269.879	ug/l	99
60) Dibromochloromethane	11.233	129	379364	47.417	ug/l	99
61) 1,2-Dibromoethane	11.339	107	358805	46.597	ug/l	100
64) Tetrachloroethene	10.969	164	302740	39.919	ug/l	97
65) Chlorobenzene	11.763	112	963479	45.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	356790	46.646	ug/l	99
67) Ethyl Benzene	11.839	91	1758361	47.877	ug/l	97
68) m/p-Xylenes	11.945	106	1318519	92.944	ug/l	99
69) o-Xylene	12.275	106	656505	47.374	ug/l	98
70) Styrene	12.292	104	1052078	47.746	ug/l	97
71) Bromoform	12.451	173	281337	46.183	ug/l #	100
73) Isopropylbenzene	12.575	105	1715873	53.768	ug/l	100
74) N-amyl acetate	12.380	43	592565	58.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	532441	52.504	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	457764m	49.037	ug/l	
77) Bromobenzene	12.857	156	385580	49.356	ug/l	83
78) n-propylbenzene	12.916	91	1907561	53.201	ug/l	97
79) 2-Chlorotoluene	13.004	91	1158107	53.186	ug/l	94
80) 1,3,5-Trimethylbenzene	13.051	105	1378457	53.317	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	156759	54.416	ug/l	90
82) 4-Chlorotoluene	13.098	91	1098307	51.962	ug/l	93
83) tert-Butylbenzene	13.316	119	1259617	51.372	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1345115	52.852	ug/l	100
85) sec-Butylbenzene	13.498	105	1684773	52.146	ug/l	99
86) p-Isopropyltoluene	13.610	119	1352655	51.000	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	652380	47.173	ug/l	98
88) 1,4-Dichlorobenzene	13.686	146	626576	46.243	ug/l	98
89) n-Butylbenzene	13.939	91	1018783	47.081	ug/l	96
90) Hexachloroethane	14.204	117	251921	53.186	ug/l	90
91) 1,2-Dichlorobenzene	13.980	146	630487	48.550	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	83383	50.749	ug/l	91
93) 1,2,4-Trichlorobenzene	15.257	180	274475	38.098	ug/l	97
94) Hexachlorobutadiene	15.363	225	183139	38.673	ug/l	98
95) Naphthalene	15.498	128	661132	38.566	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	248582	37.598	ug/l	98

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

