

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121121\
 Data File : VN070023.D
 Acq On : 11 Dec 2021 21:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 12 16:28:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1103350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1851972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1771242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	788211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	761588	44.705	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.420%		
35) Dibromofluoromethane	8.024	113	532692	45.920	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.840%		
50) Toluene-d8	10.443	98	2096513	45.010	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.020%		
62) 4-Bromofluorobenzene	12.733	95	804059	47.649	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	548820	42.647	ug/l	99
3) Chloromethane	2.301	50	664956	41.244	ug/l	99
4) Vinyl Chloride	2.443	62	624668	42.138	ug/l	98
5) Bromomethane	2.826	94	332338	41.264	ug/l	99
6) Chloroethane	3.001	64	376658	41.463	ug/l	98
7) Trichlorofluoromethane	3.365	101	819144	42.101	ug/l	99
8) Diethyl Ether	3.821	74	340463	45.434	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.199	101	486102	44.570	ug/l	95
10) Methyl Iodide	4.411	142	671778	45.087	ug/l	98
11) Tert butyl alcohol	5.393	59	776205	241.045	ug/l	97
12) 1,1-Dichloroethene	4.173	96	465834	44.324	ug/l	86
13) Acrolein	4.039	56	666405	243.013	ug/l	100
14) Allyl chloride	4.835	41	1094983	46.236	ug/l	92
15) Acrylonitrile	5.557	53	2101498	242.186	ug/l	99
16) Acetone	4.291	43	2002557	195.414	ug/l	96
17) Carbon Disulfide	4.521	76	1173579	43.222	ug/l	98
18) Methyl Acetate	4.857	43	1436441	46.438	ug/l	92
19) Methyl tert-butyl Ether	5.621	73	1936679	47.392	ug/l	96
20) Methylene Chloride	5.090	84	589810	43.294	ug/l	86
21) trans-1,2-Dichloroethene	5.594	96	488340	42.779	ug/l	86
22) Diisopropyl ether	6.501	45	2229281	48.160	ug/l	93
23) Vinyl Acetate	6.436	43	9066382	240.751	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	1103135	46.006	ug/l	98
25) 2-Butanone	7.340	43	3159057	226.883	ug/l	91
26) 2,2-Dichloropropane	7.327	77	708317	37.993	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	610706	44.280	ug/l	87
28) Bromochloromethane	7.659	49	591470	47.435	ug/l #	79
29) Tetrahydrofuran	7.689	42	2045524	241.936	ug/l	88
30) Chloroform	7.820	83	1095168	45.224	ug/l	99
31) Cyclohexane	8.094	56	994651	41.955	ug/l	87
32) 1,1,1-Trichloroethane	8.016	97	946901	45.904	ug/l	96
36) 1,1-Dichloropropene	8.222	75	772410	43.812	ug/l	96
37) Ethyl Acetate	7.418	43	1184945	45.157	ug/l	96
38) Carbon Tetrachloride	8.206	117	799035	46.218	ug/l	98
39) Methylcyclohexane	9.461	83	911550	43.468	ug/l	90
40) Benzene	8.461	78	2377665	44.122	ug/l	99

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41) Methacrylonitrile	7.640	41	597344	48.493	ug/l	90
42) 1,2-Dichloroethane	8.531	62	967004	44.452	ug/l	96
43) Isopropyl Acetate	8.563	43	1853213	47.725	ug/l #	93
44) Trichloroethene	9.217	130	560459	43.574	ug/l	90
45) 1,2-Dichloropropane	9.491	63	656024	45.333	ug/l	100
46) Dibromomethane	9.579	93	432244	45.544	ug/l	93
47) Bromodichloromethane	9.765	83	899459	50.056	ug/l	99
48) Methyl methacrylate	9.561	41	873352	48.194	ug/l	88
49) 1,4-Dioxane	9.571	88	320006	984.154	ug/l #	84
51) 4-Methyl-2-Pentanone	10.333	43	6349034	252.036	ug/l	95
52) Toluene	10.507	92	1489646	45.278	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	920875	43.016	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	975292	43.272	ug/l #	88
55) 1,1,2-Trichloroethane	10.899	97	611440	46.061	ug/l	98
56) Ethyl methacrylate	10.762	69	1084139	43.591	ug/l #	85
57) 1,3-Dichloropropane	11.047	76	1066238	45.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	1733012	255.761	ug/l	91
59) 2-Hexanone	11.087	43	4772109	250.423	ug/l	92
60) Dibromochloromethane	11.240	129	654158	46.183	ug/l	99
61) 1,2-Dibromoethane	11.347	107	634086	46.118	ug/l	99
64) Tetrachloroethene	10.979	164	497466	41.420	ug/l	95
65) Chlorobenzene	11.771	112	1579980	43.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	590153	46.662	ug/l	100
67) Ethyl Benzene	11.846	91	2984359	45.722	ug/l	97
68) m/p-Xylenes	11.956	106	2166744	91.170	ug/l	92
69) o-Xylene	12.280	106	1101980	46.033	ug/l	92
70) Styrene	12.296	104	1818908	47.917	ug/l	96
71) Bromoform	12.460	173	512501	47.521	ug/l #	99
73) Isopropylbenzene	12.581	105	2923174	41.683	ug/l	98
74) N-amyl acetate	12.390	43	1419428	45.768	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	1016644	41.922	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	931751m	41.221	ug/l	
77) Bromobenzene	12.862	156	689714	41.871	ug/l	79
78) n-propylbenzene	12.921	91	3313559	42.461	ug/l	95
79) 2-Chlorotoluene	13.010	91	2042865	41.429	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	2360658	41.822	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	293898	43.159	ug/l	96
82) 4-Chlorotoluene	13.106	91	1932967	41.683	ug/l	92
83) tert-Butylbenzene	13.326	119	2114082	42.298	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	2315378	43.072	ug/l	97
85) sec-Butylbenzene	13.503	105	2933914	43.277	ug/l	97
86) p-Isopropyltoluene	13.616	119	2311269	43.615	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1110596	41.040	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	1077893	40.532	ug/l	97
89) n-Butylbenzene	13.943	91	1948600	45.330	ug/l	97
90) Hexachloroethane	14.211	117	439786	47.270	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	1092831	41.447	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.605	75	211734	48.318	ug/l	84
93) 1,2,4-Trichlorobenzene	15.265	180	573087	44.642	ug/l	98
94) Hexachlorobutadiene	15.373	225	294820	42.190	ug/l	99
95) Naphthalene	15.507	128	1946703	50.495	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	571514	45.573	ug/l	98

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

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