

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
 Data File : VN070230.D
 Acq On : 20 Dec 2021 10:21
 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 12/21/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 20 15:07:50 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	8.083	168	1027964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1652778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1555558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	671212	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	739861	46.61	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 93.22%			
35) Dibromofluoromethane	8.019	113	521546	50.38	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.76%			
50) Toluene-d8	10.440	98	2025173	48.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.44%			
62) 4-Bromofluorobenzene	12.728	95	786314	52.21	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.42%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	557897	46.53	ug/l	100
3) Chloromethane	2.303	50	709345	47.22	ug/l	100
4) Vinyl Chloride	2.448	62	673423	48.76	ug/l	99
5) Bromomethane	2.840	94	361206	48.14	ug/l	99
6) Chloroethane	3.014	64	414241	48.94	ug/l	96
7) Trichlorofluoromethane	3.376	101	896612	49.46	ug/l	98
8) Diethyl Ether	3.821	74	400786	57.41	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.207	101	581266	57.20	ug/l	96
10) Methyl Iodide	4.419	142	728932	52.51	ug/l	99
11) Tert butyl alcohol	5.371	59	640114	213.36	ug/l	98
12) 1,1-Dichloroethene	4.181	96	522925	53.40	ug/l	88
13) Acrolein	4.039	56	620279	242.78	ug/l	98
14) Allyl chloride	4.838	41	1245551	56.45	ug/l	91
15) Acrylonitrile	5.548	53	2043931	252.83	ug/l	99
16) Acetone	4.283	43	2450696	256.68	ug/l	98
17) Carbon Disulfide	4.527	76	1203437	47.57	ug/l	98
18) Methyl Acetate	4.851	43	1436108	49.83	ug/l	91
19) Methyl tert-butyl Ether	5.613	73	2195912	57.68	ug/l	95
20) Methylene Chloride	5.093	84	662928	52.23	ug/l #	85
21) trans-1,2-Dichloroethene	5.591	96	560159	52.67	ug/l	85
22) Diisopropyl ether	6.493	45	2590933	60.08	ug/l	93
23) Vinyl Acetate	6.431	43	10115115	288.30	ug/l #	94
24) 1,1-Dichloroethane	6.383	63	1289358	57.72	ug/l	97
25) 2-Butanone	7.332	43	3224350	248.55	ug/l	91
26) 2,2-Dichloropropane	7.324	77	1048722	60.38	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	711550	55.38	ug/l	85
28) Bromochloromethane	7.654	49	553569	47.65	ug/l #	77
29) Tetrahydrofuran	7.683	42	1921964	243.99	ug/l #	87
30) Chloroform	7.815	83	1270041	56.29	ug/l	99
31) Cyclohexane	8.094	56	1141286	51.67	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	1058556	55.08	ug/l	96
36) 1,1-Dichloropropene	8.220	75	905980	57.58	ug/l	96
37) Ethyl Acetate	7.410	43	1164673	49.73	ug/l	95
38) Carbon Tetrachloride	8.204	117	866290	56.15	ug/l	98
39) Methylcyclohexane	9.459	83	1076227	57.51	ug/l	89
40) Benzene	8.458	78	2729311	56.75	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.632	41	616858	56.11	ug/l	89
42) 1,2-Dichloroethane	8.528	62	1091329	56.21	ug/l	97
43) Isopropyl Acetate	8.558	43	1908430	55.07	ug/l #	95
44) Trichloroethene	9.215	130	653813	56.96	ug/l	92
45) 1,2-Dichloropropane	9.488	63	770208	59.64	ug/l	100
46) Dibromomethane	9.577	93	477467	56.37	ug/l	93
47) Bromodichloromethane	9.759	83	996542	62.14	ug/l	99
48) Methyl methacrylate	9.558	41	896959	55.46	ug/l	86
49) 1,4-Dioxane	9.566	88	265901	916.32	ug/l #	82
51) 4-Methyl-2-Pentanone	10.328	43	6175762	274.70	ug/l	96
52) Toluene	10.502	92	1702644	57.99	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	1084459	55.87	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	1166995	57.34	ug/l	91
55) 1,1,2-Trichloroethane	10.896	97	698141	58.93	ug/l	98
56) Ethyl methacrylate	10.760	69	1183575	52.82	ug/l #	89
57) 1,3-Dichloropropane	11.041	76	1233720	59.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1346018	224.97	ug/l	90
59) 2-Hexanone	11.084	43	4538124	266.85	ug/l	94
60) Dibromochloromethane	11.237	129	709126	55.59	ug/l	100
61) 1,2-Dibromoethane	11.344	107	695070	56.65	ug/l	100
64) Tetrachloroethene	10.977	164	586746	55.63	ug/l	95
65) Chlorobenzene	11.768	112	1834319	58.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.838	131	671639	60.47	ug/l	100
67) Ethyl Benzene	11.843	91	3449871	60.18	ug/l	95
68) m/p-Xylenes	11.950	106	2518690	120.67	ug/l	92
69) o-Xylene	12.278	106	1269542	60.39	ug/l	92
70) Styrene	12.291	104	2096085	62.87	ug/l	96
71) Bromoform	12.457	173	513667	53.85	ug/l #	99
73) Isopropylbenzene	12.578	105	3385716	56.69	ug/l	98
74) N-amyl acetate	12.388	43	1405629	53.22	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.825	83	1067154	51.68	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	1013659m	52.66	ug/l	
77) Bromobenzene	12.860	156	771244	54.98	ug/l	78
78) n-propylbenzene	12.919	91	3933138	59.19	ug/l	96
79) 2-Chlorotoluene	13.004	91	2404492	57.26	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2783720	57.91	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.624	75	308853	52.31	ug/l	98
82) 4-Chlorotoluene	13.104	91	2326711	58.92	ug/l	92
83) tert-Butylbenzene	13.321	119	2449886	57.56	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	2733031	59.70	ug/l	97
85) sec-Butylbenzene	13.501	105	3458379	59.90	ug/l	97
86) p-Isopropyltoluene	13.613	119	2779849	61.60	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	1323581	57.44	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1275493	56.32	ug/l	97
89) n-Butylbenzene	13.940	91	2319302	63.36	ug/l	97
90) Hexachloroethane	14.209	117	468425	59.12	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	1269389	56.53	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	189291	50.73	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	621199	56.04	ug/l	98
94) Hexachlorobutadiene	15.367	225	362854	60.98	ug/l	99
95) Naphthalene	15.504	128	1541101	47.22	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	580791	53.91	ug/l	97

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

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