

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122721\
 Data File : VN070308.D
 Acq On : 27 Dec 2021 12:13
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2021
 Supervised By : Semsettin Yesilyurt 12/30/2021

Quant Time: Dec 27 12:41:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 12:37:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1118252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1859179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1736708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	734236	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	804105	47.82	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.64%		
35) Dibromofluoromethane	8.021	113	570466	49.96	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.92%		
50) Toluene-d8	10.440	98	2298096	50.13	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.26%		
62) 4-Bromofluorobenzene	12.731	95	851394	50.97	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.94%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	665751	52.04	ug/l	99
3) Chloromethane	2.303	50	840061	51.64	ug/l	99
4) Vinyl Chloride	2.448	62	780386	52.32	ug/l	99
5) Bromomethane	2.853	94	437503	53.74	ug/l	99
6) Chloroethane	3.019	64	469841	51.43	ug/l	98
7) Trichlorofluoromethane	3.376	101	948429	48.99	ug/l	96
8) Diethyl Ether	3.824	74	416658	54.71	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.210	101	588721	53.30	ug/l	96
10) Methyl Iodide	4.422	142	832422	55.44	ug/l	99
11) Tert butyl alcohol	5.377	59	669489	216.83	ug/l #	83
12) 1,1-Dichloroethene	4.181	96	576305	53.99	ug/l	90
13) Acrolein	4.041	56	529443	200.43	ug/l	100
14) Allyl chloride	4.840	41	1306441	54.31	ug/l	89
15) Acrylonitrile	5.554	53	2137242	248.14	ug/l	99
16) Acetone	4.285	43	2747171	266.07	ug/l	98
17) Carbon Disulfide	4.529	76	1579339	56.90	ug/l	100
18) Methyl Acetate	4.854	43	1499897	48.63	ug/l	92
19) Methyl tert-butyl Ether	5.616	73	2185222	53.01	ug/l	94
20) Methylene Chloride	5.095	84	699746	50.71	ug/l	87
21) trans-1,2-Dichloroethene	5.597	96	614220	53.18	ug/l	88
22) Diisopropyl ether	6.498	45	2548653	54.45	ug/l	93
23) Vinyl Acetate	6.434	43	10235105	271.07	ug/l	95
24) 1,1-Dichloroethane	6.388	63	1304590	53.73	ug/l	98
25) 2-Butanone	7.335	43	3425968	248.35	ug/l	92
26) 2,2-Dichloropropane	7.327	77	1044196	54.95	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	735582	52.88	ug/l	86
28) Bromochloromethane	7.657	49	640284	51.12	ug/l #	79
29) Tetrahydrofuran	7.683	42	2038645	244.79	ug/l	88
30) Chloroform	7.817	83	1265480	51.96	ug/l	100
31) Cyclohexane	8.094	56	1267265	52.72	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	1087614	52.59	ug/l	97
36) 1,1-Dichloropropene	8.220	75	944487	53.64	ug/l	96
37) Ethyl Acetate	7.412	43	1229856	48.02	ug/l	95
38) Carbon Tetrachloride	8.206	117	906259	52.74	ug/l	99
39) Methylcyclohexane	9.459	83	1166656	55.53	ug/l	89
40) Benzene	8.458	78	2884099	53.51	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	634587	52.21	ug/l	88
42) 1,2-Dichloroethane	8.528	62	1066085	49.65	ug/l	98
43) Isopropyl Acetate	8.560	43	1927931	50.43	ug/l	95
44) Trichloroethene	9.215	130	676739	52.84	ug/l	91
45) 1,2-Dichloropropane	9.488	63	781718	53.86	ug/l	100
46) Dibromomethane	9.577	93	484488	51.50	ug/l	94
47) Bromodichloromethane	9.762	83	983712	54.82	ug/l	100
48) Methyl methacrylate	9.558	41	983283	54.32	ug/l #	79
49) 1,4-Dioxane	9.569	88	266243	858.49	ug/l #	84
51) 4-Methyl-2-Pentanone	10.330	43	6252483	254.22	ug/l	96
52) Toluene	10.505	92	1781462	54.23	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	1091222	57.64	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1184499	58.18	ug/l	94
55) 1,1,2-Trichloroethane	10.896	97	692779	52.51	ug/l	97
56) Ethyl methacrylate	10.760	69	1193282	53.59	ug/l	90
57) 1,3-Dichloropropane	11.044	76	1228255	52.82	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1297383	236.70	ug/l	91
59) 2-Hexanone	11.084	43	4702670	252.87	ug/l	94
60) Dibromochloromethane	11.237	129	707132	56.34	ug/l	100
61) 1,2-Dibromoethane	11.344	107	711515	52.32	ug/l	99
64) Tetrachloroethene	10.977	164	614938	52.56	ug/l	96
65) Chlorobenzene	11.768	112	1861138	53.10	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	667129	54.27	ug/l	99
67) Ethyl Benzene	11.843	91	3499041	54.97	ug/l	96
68) m/p-Xylenes	11.953	106	2570917	110.86	ug/l	93
69) o-Xylene	12.278	106	1285984	55.06	ug/l	92
70) Styrene	12.294	104	2096385	56.64	ug/l	95
71) Bromoform	12.457	173	524338	57.42	ug/l #	100
73) Isopropylbenzene	12.578	105	3371601	51.74	ug/l	98
74) N-amyl acetate	12.385	43	1437399	50.61	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.825	83	1095490	48.99	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	985387m	47.73	ug/l	
77) Bromobenzene	12.860	156	773174	50.59	ug/l	79
78) n-propylbenzene	12.919	91	3829464	52.91	ug/l	96
79) 2-Chlorotoluene	13.007	91	2362261	51.54	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2763061	52.70	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	321514	55.77	ug/l	97
82) 4-Chlorotoluene	13.104	91	2252111	52.28	ug/l	92
83) tert-Butylbenzene	13.321	119	2396060	51.75	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	2708599	54.23	ug/l	97
85) sec-Butylbenzene	13.501	105	3330122	53.02	ug/l	97
86) p-Isopropyltoluene	13.613	119	2666657	54.22	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	1296241	51.74	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1250151	50.74	ug/l	97
89) n-Butylbenzene	13.940	91	2191247	54.93	ug/l	97
90) Hexachloroethane	14.209	117	464230	53.96	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	1246920	51.13	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.600	75	196764	49.22	ug/l	79
93) 1,2,4-Trichlorobenzene	15.263	180	595304	53.49	ug/l	99
94) Hexachlorobutadiene	15.367	225	345266	53.26	ug/l	99
95) Naphthalene	15.504	128	1626644	50.97	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	577130	52.78	ug/l	98

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

