

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070388.D
 Acq On : 30 Dec 2021 9:53
 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 :Amit Patel 01/03/2022
 Supervised By :mohammad ahmed 01/03/2022

Quant Time: Dec 30 17:31:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	975481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1571575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1498260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	636817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	662561	47.240	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 94.480%			
35) Dibromofluoromethane	8.021	113	480668	50.550	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.100%			
50) Toluene-d8	10.441	98	1920400	49.438	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.880%			
62) 4-Bromofluorobenzene	12.731	95	728952	51.957	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	552039	49.902	ug/l	100
3) Chloromethane	2.303	50	734830	48.831	ug/l	100
4) Vinyl Chloride	2.448	62	658301	48.048	ug/l	97
5) Bromomethane	2.840	94	342484	48.431	ug/l	99
6) Chloroethane	3.011	64	383937	46.532	ug/l	99
7) Trichlorofluoromethane	3.374	101	770070	46.697	ug/l	97
8) Diethyl Ether	3.824	74	360110	49.536	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.205	101	510968	50.659	ug/l	97
10) Methyl Iodide	4.417	142	685567	50.224	ug/l	99
11) Tert butyl alcohol	5.382	59	591999	253.498	ug/l	99
12) 1,1-Dichloroethene	4.175	96	493730	49.697	ug/l	89
13) Acrolein	4.041	56	451219	238.129	ug/l	100
14) Allyl chloride	4.838	41	1176859	52.248	ug/l	86
15) Acrylonitrile	5.554	53	2000485	274.510	ug/l	100
16) Acetone	4.288	43	2558924	281.053	ug/l	99
17) Carbon Disulfide	4.524	76	1428719	52.684	ug/l	98
18) Methyl Acetate	4.854	43	1367162	51.910	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	1840007	49.872	ug/l	94
20) Methylene Chloride	5.095	84	610922	48.497	ug/l	86
21) trans-1,2-Dichloroethene	5.594	96	529624	50.349	ug/l	86
22) Diisopropyl ether	6.498	45	2275632	51.870	ug/l #	91
23) Vinyl Acetate	6.434	43	9152245	268.874	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1138512	50.048	ug/l	97
25) 2-Butanone	7.338	43	3261099	284.464	ug/l	92
26) 2,2-Dichloropropane	7.324	77	874905	48.752	ug/l	98
27) cis-1,2-Dichloroethene	7.327	96	630923	50.267	ug/l	86
28) Bromochloromethane	7.657	49	557179	50.083	ug/l #	76
29) Tetrahydrofuran	7.686	42	1878588	274.654	ug/l	87
30) Chloroform	7.818	83	1093626	49.833	ug/l	100
31) Cyclohexane	8.097	56	1095927	49.516	ug/l	86
32) 1,1,1-Trichloroethane	8.013	97	918924	49.660	ug/l	96
36) 1,1-Dichloropropene	8.223	75	819959	52.127	ug/l	96
37) Ethyl Acetate	7.415	43	1119597	54.911	ug/l	96
38) Carbon Tetrachloride	8.206	117	790538	52.631	ug/l	99
39) Methylcyclohexane	9.459	83	1008347	52.949	ug/l	88
40) Benzene	8.459	78	2504755	51.939	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	591833	58.032	ug/l #	85
42) 1,2-Dichloroethane	8.531	62	906466	50.008	ug/l	98
43) Isopropyl Acetate	8.563	43	1715332	53.360	ug/l #	95
44) Trichloroethene	9.218	130	577458	50.395	ug/l	90
45) 1,2-Dichloropropane	9.491	63	688933	53.059	ug/l	99
46) Dibromomethane	9.577	93	425746	52.731	ug/l	94
47) Bromodichloromethane	9.762	83	899510	56.108	ug/l	99
48) Methyl methacrylate	9.561	41	890529	58.077	ug/l #	77
49) 1,4-Dioxane	9.569	88	264805	1179.762	ug/l #	80
51) 4-Methyl-2-Pentanone	10.331	43	5792602	286.768	ug/l	96
52) Toluene	10.505	92	1544290	52.904	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	970109	55.896	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1047877	55.814	ug/l	95
55) 1,1,2-Trichloroethane	10.899	97	608744	52.708	ug/l	98
56) Ethyl methacrylate	10.762	69	1067796	55.954	ug/l #	89
57) 1,3-Dichloropropane	11.044	76	1083703	53.050	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1203079	247.047	ug/l	89
59) 2-Hexanone	11.087	43	4488511	304.708	ug/l	94
60) Dibromochloromethane	11.237	129	659750	58.548	ug/l	100
61) 1,2-Dibromoethane	11.344	107	631057	53.812	ug/l	99
64) Tetrachloroethene	10.977	164	504962	46.542	ug/l	94
65) Chlorobenzene	11.771	112	1637423	51.507	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.841	131	595589	52.480	ug/l	99
67) Ethyl Benzene	11.846	91	3063228	52.591	ug/l	97
68) m/p-Xylenes	11.953	106	2270926	107.109	ug/l	93
69) o-Xylene	12.280	106	1117944	53.011	ug/l	93
70) Styrene	12.294	104	1866948	55.934	ug/l	96
71) Bromoform	12.457	173	525695	62.415	ug/l #	100
73) Isopropylbenzene	12.578	105	2953921	49.950	ug/l	98
74) N-amyl acetate	12.388	43	1330147	53.494	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.825	83	998577	51.673	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	951771m	50.458	ug/l	
77) Bromobenzene	12.860	156	679876	50.075	ug/l	77
78) n-propylbenzene	12.919	91	3457939	52.774	ug/l	95
79) 2-Chlorotoluene	13.007	91	2079881	49.472	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2409178	50.837	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	313829	60.210	ug/l	95
82) 4-Chlorotoluene	13.104	91	2014578	51.156	ug/l	92
83) tert-Butylbenzene	13.324	119	2067874	49.555	ug/l	93
84) 1,2,4-Trimethylbenzene	13.367	105	2366900	51.868	ug/l	97
85) sec-Butylbenzene	13.501	105	2953502	52.132	ug/l	98
86) p-Isopropyltoluene	13.616	119	2338838	52.554	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1148893	50.549	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	1110577	49.535	ug/l	97
89) n-Butylbenzene	13.943	91	1979504	53.326	ug/l	97
90) Hexachloroethane	14.211	117	469674	60.749	ug/l	90
91) 1,2-Dichlorobenzene	13.989	146	1091392	48.982	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	185914	54.268	ug/l	80
93) 1,2,4-Trichlorobenzene	15.263	180	550783	52.462	ug/l	98
94) Hexachlorobutadiene	15.370	225	313544	51.387	ug/l	98
95) Naphthalene	15.507	128	1487725	51.228	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	529684	52.701	ug/l	98

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

