

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077444.D
 Acq On : 25 Apr 2023 03:16
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 25 08:37:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/25/2023
 Supervised By : Mahesh Dadoda 04/25/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	576771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1089780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	987161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	412814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	386909	51.408	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.820%			
35) Dibromofluoromethane	8.172	113	323253	49.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.700%			
50) Toluene-d8	10.572	98	1294011	51.547	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.848	95	450957	54.906	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.131	85	358565	48.708	ug/l	95
3) Chloromethane	2.372	50	284085	49.136	ug/l	100
4) Vinyl Chloride	2.525	62	392786	50.999	ug/l	100
5) Bromomethane	2.949	94	322944	48.406	ug/l	98
6) Chloroethane	3.125	64	288681	49.335	ug/l	99
7) Trichlorofluoromethane	3.501	101	581116	51.334	ug/l	100
8) Diethyl Ether	3.966	74	209778	50.997	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.384	101	325497	49.441	ug/l	99
10) Methyl Iodide	4.601	142	419700	51.890	ug/l	95
11) Tert butyl alcohol	5.531	59	308142	255.038	ug/l	99
12) 1,1-Dichloroethene	4.348	96	314423	48.850	ug/l	94
13) Acrolein	4.184	56	283646	235.993	ug/l	98
14) Allyl chloride	5.031	41	331494	46.323	ug/l	86
15) Acrylonitrile	5.725	53	742968	271.066	ug/l	99
16) Acetone	4.437	43	579568	242.053	ug/l	98
17) Carbon Disulfide	4.719	76	791112	48.370	ug/l	100
18) Methyl Acetate	5.031	43	493198	53.339	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	1116874	52.176	ug/l	97
20) Methylene Chloride	5.290	84	387601	51.045	ug/l	95
21) trans-1,2-Dichloroethene	5.795	96	348135	50.019	ug/l	94
22) Diisopropyl ether	6.678	45	850007	51.755	ug/l	99
23) Vinyl Acetate	6.613	43	2628328	256.248	ug/l	99
24) 1,1-Dichloroethane	6.572	63	589410	50.699	ug/l	99
25) 2-Butanone	7.489	43	886494	261.037	ug/l	99
26) 2,2-Dichloropropane	7.495	77	487280	43.227	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	419145	50.849	ug/l	98
28) Bromochloromethane	7.819	49	228954	51.571	ug/l	100
29) Tetrahydrofuran	7.842	42	576765	271.061	ug/l	98
30) Chloroform	7.972	83	686564	52.402	ug/l	94
31) Cyclohexane	8.260	56	496379	46.558	ug/l	97
32) 1,1,1-Trichloroethane	8.178	97	626562	52.016	ug/l	97
36) 1,1-Dichloropropene	8.378	75	491785	51.970	ug/l	99
37) Ethyl Acetate	7.566	43	380633	52.934	ug/l	98
38) Carbon Tetrachloride	8.366	117	552481	52.916	ug/l	99
39) Methylcyclohexane	9.607	83	646154	51.827	ug/l	97
40) Benzene	8.613	78	1497575	51.949	ug/l	98

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41) Methacrylonitrile	7.784	41	176374m	47.094	ug/l	
42) 1,2-Dichloroethane	8.672	62	503698	50.872	ug/l	99
43) Isopropyl Acetate	8.689	43	646027	51.931	ug/l	99
44) Trichloroethene	9.354	130	386192	52.322	ug/l	100
45) 1,2-Dichloropropane	9.625	63	344259	50.980	ug/l	96
46) Dibromomethane	9.713	93	273992	50.005	ug/l	96
47) Bromodichloromethane	9.889	83	542028	51.141	ug/l	98
48) Methyl methacrylate	9.683	41	290131	51.236	ug/l	99
49) 1,4-Dioxane	9.695	88	143163	1007.932	ug/l	99
51) 4-Methyl-2-Pentanone	10.448	43	1950902	267.371	ug/l	99
52) Toluene	10.630	92	1008556	53.404	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	582343	54.261	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	608228	52.066	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	393505	51.816	ug/l	98
56) Ethyl methacrylate	10.877	69	575983	54.127	ug/l	99
57) 1,3-Dichloropropane	11.166	76	644574	53.286	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	1019011	283.118	ug/l	100
59) 2-Hexanone	11.195	43	1417011	267.167	ug/l	100
60) Dibromochloromethane	11.360	129	433732	55.032	ug/l	98
61) 1,2-Dibromoethane	11.472	107	395638	51.029	ug/l	99
64) Tetrachloroethene	11.107	164	323498	54.744	ug/l	97
65) Chlorobenzene	11.895	112	1066056	51.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	384168	50.548	ug/l	98
67) Ethyl Benzene	11.966	91	1929939	52.483	ug/l	99
68) m/p-Xylenes	12.077	106	1493801	104.520	ug/l	99
69) o-Xylene	12.401	106	744094	52.931	ug/l	99
70) Styrene	12.413	104	1190040	54.131	ug/l	99
71) Bromoform	12.583	173	275691	55.446	ug/l #	97
73) Isopropylbenzene	12.695	105	1936127	50.542	ug/l	100
74) N-amyl acetate	12.495	43	567101	50.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	576083	47.862	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	485409m	50.566	ug/l	
77) Bromobenzene	12.983	156	402964	48.266	ug/l	99
78) n-propylbenzene	13.036	91	2219624	52.403	ug/l	99
79) 2-Chlorotoluene	13.124	91	1315982	50.392	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1599974	56.242	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	191743	56.430	ug/l	96
82) 4-Chlorotoluene	13.224	91	1252134	51.311	ug/l	99
83) tert-Butylbenzene	13.442	119	1401742	50.738	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1564756	58.895	ug/l	100
85) sec-Butylbenzene	13.618	105	2005681	52.892	ug/l	100
86) p-Isopropyltoluene	13.730	119	1591872	54.561	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	753380	50.741	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	732066	49.936	ug/l	99
89) n-Butylbenzene	14.060	91	1301819	57.656	ug/l	99
90) Hexachloroethane	14.336	117	322351	50.009	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	744414	50.550	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	108832	48.896	ug/l	97
93) 1,2,4-Trichlorobenzene	15.371	180	235621	49.850	ug/l	99
94) Hexachlorobutadiene	15.465	225	148224	49.809	ug/l	98
95) Naphthalene	15.589	128	922493	50.884	ug/l	100
96) 1,2,3-Trichlorobenzene	15.754	180	214948	48.950	ug/l	98

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

