

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050923\
 Data File : VN077627.D
 Acq On : 09 May 2023 12:10
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2023
 Supervised By : Mahesh Dadoda 05/10/2023

Quant Time: May 09 13:27:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050923W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 09 13:25:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	628305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1137636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1046492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	452259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.578	65	386483	48.502	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.000%		
35) Dibromofluoromethane	8.172	113	344497	48.554	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.100%		
50) Toluene-d8	10.572	98	1353853	50.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.800%		
62) 4-Bromofluorobenzene	12.848	95	479387	52.764	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.520%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	374705	53.352	ug/l	98
3) Chloromethane	2.372	50	278739	51.061	ug/l	100
4) Vinyl Chloride	2.525	62	403093	48.111	ug/l	98
5) Bromomethane	2.954	94	296969	44.644	ug/l	90
6) Chloroethane	3.125	64	262118	45.118	ug/l	99
7) Trichlorofluoromethane	3.502	101	699841	53.289	ug/l	96
8) Diethyl Ether	3.966	74	189346	49.041	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.384	101	325470	49.597	ug/l	99
10) Methyl Iodide	4.596	142	508560	52.495	ug/l	97
11) Tert butyl alcohol	5.531	59	233433	249.029	ug/l #	86
12) 1,1-Dichloroethene	4.354	96	311749	49.995	ug/l	92
13) Acrolein	4.184	56	211498	232.801	ug/l	96
14) Allyl chloride	5.031	41	300991	48.600	ug/l #	89
15) Acrylonitrile	5.725	53	571387	246.441	ug/l	99
16) Acetone	4.437	43	432349	227.810	ug/l	96
17) Carbon Disulfide	4.725	76	752966	50.215	ug/l	100
18) Methyl Acetate	5.031	43	353987	47.193	ug/l	95
19) Methyl tert-butyl Ether	5.807	73	1000787	48.775	ug/l	96
20) Methylene Chloride	5.284	84	357536	45.595	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	342222	48.521	ug/l	92
22) Diisopropyl ether	6.672	45	746591	48.832	ug/l	97
23) Vinyl Acetate	6.613	43	2345146m	268.798	ug/l	
24) 1,1-Dichloroethane	6.578	63	567293	48.947	ug/l	98
25) 2-Butanone	7.489	43	653443	236.264	ug/l	91
26) 2,2-Dichloropropane	7.495	77	538159	51.235	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	424998	49.535	ug/l	95
28) Bromochloromethane	7.825	49	193299	45.708	ug/l	85
29) Tetrahydrofuran	7.842	42	424808	250.046	ug/l	93
30) Chloroform	7.972	83	683795	49.782	ug/l	97
31) Cyclohexane	8.260	56	477875	46.927	ug/l	93
32) 1,1,1-Trichloroethane	8.172	97	637194	50.382	ug/l	96
36) 1,1-Dichloropropene	8.378	75	492930	50.342	ug/l	100
37) Ethyl Acetate	7.566	43	279962	50.004	ug/l	97
38) Carbon Tetrachloride	8.366	117	551718	51.577	ug/l	99
39) Methylcyclohexane	9.607	83	653784	53.787	ug/l	93
40) Benzene	8.613	78	1473002	49.728	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	156971	51.315	ug/l	96
42) 1,2-Dichloroethane	8.678	62	483342	48.660	ug/l	98
43) Isopropyl Acetate	8.689	43	499236	50.858	ug/l	95
44) Trichloroethene	9.354	130	391579	50.324	ug/l	97
45) 1,2-Dichloropropane	9.625	63	331113	48.615	ug/l	98
46) Dibromomethane	9.713	93	272597	51.452	ug/l	97
47) Bromodichloromethane	9.889	83	534788	51.680	ug/l	98
48) Methyl methacrylate	9.683	41	228264	49.545	ug/l	92
49) 1,4-Dioxane	9.695	88	134757	983.489	ug/l	93
51) 4-Methyl-2-Pentanone	10.448	43	1420300	245.938	ug/l	96
52) Toluene	10.630	92	1016273	51.582	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	554535	55.000	ug/l	96
54) cis-1,3-Dichloropropene	10.313	75	602454	52.521	ug/l	95
55) 1,1,2-Trichloroethane	11.019	97	385781	50.500	ug/l	98
56) Ethyl methacrylate	10.878	69	513061	53.256	ug/l	92
57) 1,3-Dichloropropane	11.166	76	628811	51.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	1136549	255.539	ug/l	96
59) 2-Hexanone	11.195	43	1028306	251.939	ug/l	95
60) Dibromochloromethane	11.360	129	416419	54.910	ug/l	100
61) 1,2-Dibromoethane	11.472	107	396291	52.766	ug/l	98
64) Tetrachloroethene	11.107	164	314097	50.431	ug/l	98
65) Chlorobenzene	11.895	112	1071849	49.828	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	389145	50.214	ug/l	97
67) Ethyl Benzene	11.966	91	1947304	51.564	ug/l	99
68) m/p-Xylenes	12.072	106	1543112	103.200	ug/l	99
69) o-Xylene	12.401	106	773044	51.580	ug/l	98
70) Styrene	12.413	104	1241432	54.085	ug/l	99
71) Bromoform	12.583	173	256512	54.541	ug/l #	99
73) Isopropylbenzene	12.695	105	2003159	49.651	ug/l	99
74) N-amyl acetate	12.495	43	437935	49.186	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.942	83	514421	46.382	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	436590m	49.014	ug/l	
77) Bromobenzene	12.983	156	417445	46.720	ug/l	95
78) n-propylbenzene	13.036	91	2250834	51.973	ug/l	99
79) 2-Chlorotoluene	13.124	91	1339428	48.559	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	1672364	54.183	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	154975	52.872	ug/l	98
82) 4-Chlorotoluene	13.224	91	1301980	50.331	ug/l	99
83) tert-Butylbenzene	13.442	119	1416609	48.842	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	1611039	55.541	ug/l	100
85) sec-Butylbenzene	13.619	105	2058358	52.721	ug/l	99
86) p-Isopropyltoluene	13.730	119	1640521	53.734	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	771889	49.701	ug/l	99
88) 1,4-Dichlorobenzene	13.819	146	769123	49.817	ug/l	99
89) n-Butylbenzene	14.060	91	1355756	56.038	ug/l	99
90) Hexachloroethane	14.336	117	299845	51.212	ug/l	95
91) 1,2-Dichlorobenzene	14.107	146	760001	49.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	95969	48.894	ug/l	97
93) 1,2,4-Trichlorobenzene	15.395	180	293335	44.978	ug/l	96
94) Hexachlorobutadiene	15.507	225	160058	48.518	ug/l	99
95) Naphthalene	15.642	128	1043362	46.118	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	272642	44.891	ug/l	96

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

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