

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077802.D
 Acq On : 22 May 2023 20:17
 Operator : JC\MD
 Sample : 02880-14MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT15811-20230519MSD

Quant Time: May 23 04:22:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/23/2023
 Supervised By : Mahesh Dadoda 05/23/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	352881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	633623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	563672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	244697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	235383	44.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.160%		
35) Dibromofluoromethane	8.171	113	207867	50.309	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.620%		
50) Toluene-d8	10.576	98	766127	48.173	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.340%		
62) 4-Bromofluorobenzene	12.859	95	257521	45.848	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	195229	48.613	ug/l	99
3) Chloromethane	2.371	50	200113	46.885	ug/l	99
4) Vinyl Chloride	2.518	62	249564	49.288	ug/l	99
5) Bromomethane	2.953	94	181399	48.440	ug/l	99
6) Chloroethane	3.124	64	173381	47.514	ug/l	97
7) Trichlorofluoromethane	3.500	101	365189	51.753	ug/l	96
8) Diethyl Ether	3.971	74	132586	51.468	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.383	101	201013	51.475	ug/l	98
10) Methyl Iodide	4.600	142	278618	59.826	ug/l	95
11) Tert butyl alcohol	5.530	59	175975	241.495	ug/l	99
12) 1,1-Dichloroethene	4.347	96	191803	51.678	ug/l	92
13) Acrolein	4.189	56	145305	329.686	ug/l	96
14) Allyl chloride	5.030	41	247520	45.397	ug/l	93
15) Acrylonitrile	5.724	53	486477	249.887	ug/l	100
16) Acetone	4.436	43	387739	233.415	ug/l	93
17) Carbon Disulfide	4.724	76	427467	42.745	ug/l	99
18) Methyl Acetate	5.036	43	324419	46.553	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	690618	51.407	ug/l	99
20) Methylene Chloride	5.283	84	225861	52.330	ug/l #	85
21) trans-1,2-Dichloroethene	5.800	96	205905	49.388	ug/l	86
22) Diisopropyl ether	6.682	45	636000	49.765	ug/l	95
23) Vinyl Acetate	6.612	43	1753108	221.401	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	404432	51.654	ug/l	98
25) 2-Butanone	7.494	43	597646	229.992	ug/l	92
26) 2,2-Dichloropropane	7.500	77	291253	43.785	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	258656	51.742	ug/l	95
28) Bromochloromethane	7.818	49	184892	54.602	ug/l	92
29) Tetrahydrofuran	7.841	42	392623	230.749	ug/l	87
30) Chloroform	7.977	83	447458	51.952	ug/l	99
31) Cyclohexane	8.265	56	321528	44.804	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	393774	53.775	ug/l	97
36) 1,1-Dichloropropene	8.377	75	311940	51.617	ug/l	98
37) Ethyl Acetate	7.571	43	239314	44.428	ug/l	95
38) Carbon Tetrachloride	8.371	117	343490	56.286	ug/l	97
39) Methylcyclohexane	9.606	83	362571	49.005	ug/l	93
40) Benzene	8.612	78	948499	53.185	ug/l	99

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41) Methacrylonitrile	7.788	41	136843	47.703	ug/l	94
42) 1,2-Dichloroethane	8.676	62	331642	51.193	ug/l	99
43) Isopropyl Acetate	8.700	43	428592	48.713	ug/l	97
44) Trichloroethene	9.359	130	252713	55.964	ug/l	98
45) 1,2-Dichloropropane	9.629	63	243315	53.489	ug/l #	89
46) Dibromomethane	9.712	93	168713	51.831	ug/l	93
47) Bromodichloromethane	9.894	83	348678	55.951	ug/l	97
48) Methyl methacrylate	9.688	41	208978	50.097	ug/l	90
49) 1,4-Dioxane	9.700	88	82424	1046.156	ug/l	95
51) 4-Methyl-2-Pentanone	10.453	43	1337990	255.838	ug/l	93
52) Toluene	10.635	92	598555	53.912	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	344969	52.274	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	373932	51.418	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	241310	54.739	ug/l	96
56) Ethyl methacrylate	10.882	69	350661	52.609	ug/l	91
57) 1,3-Dichloropropane	11.170	76	408560	54.062	ug/l	100
59) 2-Hexanone	11.200	43	945847	244.513	ug/l	93
60) Dibromochloromethane	11.370	129	267773	58.839	ug/l	99
61) 1,2-Dibromoethane	11.476	107	242041	55.036	ug/l	99
64) Tetrachloroethene	11.112	164	239852	60.847	ug/l	97
65) Chlorobenzene	11.900	112	654522	53.563	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.970	131	251968	59.592	ug/l	97
67) Ethyl Benzene	11.970	91	1171117	53.480	ug/l	99
68) m/p-Xylenes	12.076	106	906120	109.204	ug/l	100
69) o-Xylene	12.406	106	449714	55.111	ug/l	99
70) Styrene	12.417	104	707780	54.600	ug/l	98
71) Bromoform	12.582	173	170148	60.492	ug/l #	100
73) Isopropylbenzene	12.700	105	1164972	55.230	ug/l	99
74) N-amyl acetate	12.500	43	334418	42.893	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	333715	51.428	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	246852m	40.282	ug/l	
77) Bromobenzene	12.988	156	260976	54.217	ug/l	95
78) n-propylbenzene	13.041	91	1312327	52.773	ug/l	99
79) 2-Chlorotoluene	13.135	91	784059	52.839	ug/l	95
80) 1,3,5-Trimethylbenzene	13.182	105	975772	55.042	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	88045	45.926	ug/l	90
82) 4-Chlorotoluene	13.229	91	750073	50.804	ug/l	98
83) tert-Butylbenzene	13.447	119	860112	55.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	973968	55.863	ug/l	98
85) sec-Butylbenzene	13.623	105	1189577	54.085	ug/l	99
86) p-Isopropyltoluene	13.735	119	982683	56.042	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	465145	52.252	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	458138	51.863	ug/l	100
89) n-Butylbenzene	14.064	91	796442	49.382	ug/l	99
90) Hexachloroethane	14.341	117	171022	59.371	ug/l	89
91) 1,2-Dichlorobenzene	14.111	146	463361	55.718	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	60091	47.832	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	206525	42.497	ug/l	97
94) Hexachlorobutadiene	15.505	225	102344	50.721	ug/l	99
95) Naphthalene	15.647	128	659858	39.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	214685	45.119	ug/l	97

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

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