

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078612.D
 Acq On : 21 Jul 2023 14:35
 Operator : JC\MD
 Sample : 03709-04MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MS

Quant Time: Jul 21 23:23:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	463247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	810569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	714868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	310789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	326551	52.582	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.160%			
35) Dibromofluoromethane	8.177	113	280227	50.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	10.571	98	1039509	50.009	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	12.853	95	338333	52.843	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.680%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	205558	36.192	ug/l	97
3) Chloromethane	2.371	50	288182	46.682	ug/l	94
4) Vinyl Chloride	2.518	62	379965	47.580	ug/l	95
5) Bromomethane	2.948	94	245775	48.510	ug/l	91
6) Chloroethane	3.118	64	260873	54.163	ug/l	95
7) Trichlorofluoromethane	3.500	101	418731	43.864	ug/l	100
8) Diethyl Ether	3.971	74	157014	49.368	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.377	101	206784	40.921	ug/l	95
10) Methyl Iodide	4.595	142	323900	46.645	ug/l	94
11) Tert butyl alcohol	5.536	59	215369	224.893	ug/l	99
12) 1,1-Dichloroethene	4.347	96	292378	59.815	ug/l	90
13) Acrolein	4.195	56	222230	235.863	ug/l	98
14) Allyl chloride	5.030	41	295805	44.287	ug/l	94
15) Acrylonitrile	5.730	53	616913	254.963	ug/l	100
16) Acetone	4.442	43	465297	240.524	ug/l	97
17) Carbon Disulfide	4.718	76	543024	38.418	ug/l	99
18) Methyl Acetate	5.042	43	398853	48.705	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	818836	50.842	ug/l	97
20) Methylene Chloride	5.289	84	278795	50.249	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	254480	46.199	ug/l	87
22) Diisopropyl ether	6.683	45	778704	52.067	ug/l	96
23) Vinyl Acetate	6.618	43	2355992	247.790	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	503561	49.967	ug/l	97
25) 2-Butanone	7.494	43	764729	251.127	ug/l	89
26) 2,2-Dichloropropane	7.500	77	389599	47.267	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	394503	61.910	ug/l	97
28) Bromochloromethane	7.824	49	246807	51.996	ug/l	94
29) Tetrahydrofuran	7.847	42	506635	253.552	ug/l	85
30) Chloroform	7.977	83	532352	50.739	ug/l	94
31) Cyclohexane	8.265	56	330532	39.382	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	467378	49.685	ug/l	97
36) 1,1-Dichloropropene	8.377	75	364255	45.847	ug/l	97
37) Ethyl Acetate	7.571	43	317165	47.888	ug/l #	95
38) Carbon Tetrachloride	8.371	117	411425	47.647	ug/l	97
39) Methylcyclohexane	9.606	83	295245	40.712	ug/l #	87
40) Benzene	8.618	78	1143791	48.594	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	180523	53.467	ug/l	91
42) 1,2-Dichloroethane	8.677	62	403027	50.340	ug/l	98
43) Isopropyl Acetate	8.694	43	548790	50.329	ug/l	96
44) Trichloroethene	9.359	130	356575	56.208	ug/l	99
45) 1,2-Dichloropropane	9.629	63	301059	50.501	ug/l	100
46) Dibromomethane	9.718	93	212026	50.532	ug/l	93
47) Bromodichloromethane	9.894	83	426375	50.693	ug/l	98
48) Methyl methacrylate	9.688	41	255070	50.492	ug/l	90
49) 1,4-Dioxane	9.700	88	106408	965.865	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1710593	263.743	ug/l	93
52) Toluene	10.635	92	1561529	107.042	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	438502	50.890	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	453647	49.391	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	298494	51.933	ug/l	96
56) Ethyl methacrylate	10.882	69	432120	53.783	ug/l	91
57) 1,3-Dichloropropane	11.171	76	491845	50.328	ug/l	100
59) 2-Hexanone	11.200	43	1218202	264.277	ug/l	93
60) Dibromochloromethane	11.365	129	330315	52.057	ug/l	99
61) 1,2-Dibromoethane	11.476	107	300318	50.723	ug/l	98
64) Tetrachloroethene	11.112	164	244030	45.405	ug/l	98
65) Chlorobenzene	11.900	112	780738	48.860	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	308516	50.189	ug/l	98
67) Ethyl Benzene	11.970	91	1378100	51.022	ug/l	99
68) m/p-Xylenes	12.076	106	1032849	103.426	ug/l	98
69) o-Xylene	12.406	106	512247	50.784	ug/l	98
70) Styrene	12.418	104	837412	53.067	ug/l	98
71) Bromoform	12.582	173	224339	53.887	ug/l #	99
73) Isopropylbenzene	12.700	105	1257806	43.071	ug/l	98
74) N-amyl acetate	12.500	43	449207	44.635	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	428332	52.680	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	333899m	44.448	ug/l	
77) Bromobenzene	12.982	156	306706	48.241	ug/l	96
78) n-propylbenzene	13.041	91	1399543	44.813	ug/l	99
79) 2-Chlorotoluene	13.129	91	884457	43.235	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1027682	44.538	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	124553	43.570	ug/l	92
82) 4-Chlorotoluene	13.223	91	858219	44.972	ug/l	98
83) tert-Butylbenzene	13.441	119	875845	44.709	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	1011810	45.145	ug/l	98
85) sec-Butylbenzene	13.623	105	1104129	44.590	ug/l	99
86) p-Isopropyltoluene	13.735	119	906167	45.576	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	517642	46.173	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	502711	44.519	ug/l	99
89) n-Butylbenzene	14.059	91	666867	46.876	ug/l	98
90) Hexachloroethane	14.341	117	176520	48.275	ug/l	83
91) 1,2-Dichlorobenzene	14.112	146	507272	45.467	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	65808	46.954	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	161545	45.368	ug/l	99
94) Hexachlorobutadiene	15.506	225	92755	50.387	ug/l	98
95) Naphthalene	15.647	128	477799	39.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	175808	42.940	ug/l	97

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

