

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077781.D
 Acq On : 22 May 2023 11:43
 Operator : JC\MD
 Sample : VN0522WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Manual Integrations
 APPROVED

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

Quant Time: May 23 04:18:12 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

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	406810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	724013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	614547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	259315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	294810	48.433	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.860%		
35) Dibromofluoromethane	8.177	113	253851	53.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.540%		
50) Toluene-d8	10.571	98	937742	51.603	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.200%		
62) 4-Bromofluorobenzene	12.853	95	306996	47.833	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	83613	18.060	ug/l	97
3) Chloromethane	2.365	50	84420	15.979	ug/l	100
4) Vinyl Chloride	2.524	62	95973	16.442	ug/l	96
5) Bromomethane	2.971	94	74475	17.251	ug/l	98
6) Chloroethane	3.136	64	67949	16.153	ug/l	96
7) Trichlorofluoromethane	3.512	101	156696	19.262	ug/l	98
8) Diethyl Ether	3.971	74	53949	18.166	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.383	101	88108	19.571	ug/l	97
10) Methyl Iodide	4.606	142	104931	19.544	ug/l	95
11) Tert butyl alcohol	5.536	59	65533	78.011	ug/l	96
12) 1,1-Dichloroethene	4.353	96	80263	18.759	ug/l	94
13) Acrolein	4.194	56	54616	85.613	ug/l	98
14) Allyl chloride	5.036	41	120642	19.193	ug/l	93
15) Acrylonitrile	5.736	53	188365	83.930	ug/l	99
16) Acetone	4.442	43	167980	87.717	ug/l	93
17) Carbon Disulfide	4.724	76	179427	15.563	ug/l	99
18) Methyl Acetate	5.042	43	138729	17.268	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	284553	18.373	ug/l	98
20) Methylene Chloride	5.283	84	94370	17.655	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	85238	17.735	ug/l	84
22) Diisopropyl ether	6.683	45	261048	17.718	ug/l	96
23) Vinyl Acetate	6.618	43	759464	83.198	ug/l #	92
24) 1,1-Dichloroethane	6.577	63	169440	18.772	ug/l	97
25) 2-Butanone	7.494	43	244891	81.748	ug/l	95
26) 2,2-Dichloropropane	7.500	77	145847	19.019	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	107731	18.694	ug/l	93
28) Bromochloromethane	7.824	49	65864	16.872	ug/l	91
29) Tetrahydrofuran	7.847	42	153449	78.229	ug/l	85
30) Chloroform	7.971	83	180894	18.218	ug/l	94
31) Cyclohexane	8.265	56	142106	17.177	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	159962	18.949	ug/l	97
36) 1,1-Dichloropropene	8.382	75	130040	18.831	ug/l	97
37) Ethyl Acetate	7.571	43	96220	15.633	ug/l	96
38) Carbon Tetrachloride	8.371	117	140448	20.141	ug/l	94
39) Methylcyclohexane	9.612	83	155386	18.380	ug/l	90
40) Benzene	8.612	78	393655	19.318	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	53247	16.244	ug/l	94
42) 1,2-Dichloroethane	8.677	62	136902	18.494	ug/l	99
43) Isopropyl Acetate	8.694	43	177596	17.665	ug/l	95
44) Trichloroethene	9.359	130	104472	20.247	ug/l	94
45) 1,2-Dichloropropane	9.629	63	102033	19.630	ug/l	100
46) Dibromomethane	9.712	93	69434	18.668	ug/l	94
47) Bromodichloromethane	9.894	83	141159	19.823	ug/l	99
48) Methyl methacrylate	9.688	41	80209	16.828	ug/l	92
49) 1,4-Dioxane	9.712	88	29957	332.756	ug/l #	82
51) 4-Methyl-2-Pentanone	10.453	43	512355	85.737	ug/l	93
52) Toluene	10.635	92	244905	19.305	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	135688	17.994	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	159103	19.146	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	101672	20.184	ug/l	96
56) Ethyl methacrylate	10.882	69	131762	17.300	ug/l	90
57) 1,3-Dichloropropane	11.171	76	161441	18.695	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.171	63	274221	73.186	ug/l	93
59) 2-Hexanone	11.200	43	350582	79.315	ug/l	93
60) Dibromochloromethane	11.365	129	104716	20.137	ug/l	100
61) 1,2-Dibromoethane	11.476	107	92878	18.482	ug/l	93
64) Tetrachloroethene	11.112	164	100130	23.299	ug/l	99
65) Chlorobenzene	11.900	112	262360	19.693	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.970	131	101894	22.104	ug/l	98
67) Ethyl Benzene	11.970	91	462347	19.365	ug/l	97
68) m/p-Xylenes	12.076	106	356052	39.358	ug/l	100
69) o-Xylene	12.406	106	175150	19.687	ug/l	100
70) Styrene	12.417	104	268878	19.025	ug/l	97
71) Bromoform	12.582	173	65877	21.482	ug/l #	97
73) Isopropylbenzene	12.700	105	457602	20.472	ug/l	100
74) N-amyl acetate	12.500	43	130908	15.844	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.947	83	127213	18.499	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	113257m	17.440	ug/l	
77) Bromobenzene	12.988	156	98237	19.258	ug/l	99
78) n-propylbenzene	13.041	91	509473	19.333	ug/l	99
79) 2-Chlorotoluene	13.135	91	312157	19.851	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	389274	20.720	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	34974	17.215	ug/l	90
82) 4-Chlorotoluene	13.229	91	291060	18.603	ug/l	99
83) tert-Butylbenzene	13.447	119	335808	20.475	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	377133	20.411	ug/l	100
85) sec-Butylbenzene	13.623	105	464751	19.939	ug/l	99
86) p-Isopropyltoluene	13.735	119	381018	20.504	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	182805	19.378	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	174065	18.594	ug/l	98
89) n-Butylbenzene	14.064	91	313855	18.363	ug/l	98
90) Hexachloroethane	14.341	117	64606	21.164	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	180649	20.498	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	21765	16.348	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	79389	15.415	ug/l	96
94) Hexachlorobutadiene	15.506	225	42603	19.924	ug/l	98
95) Naphthalene	15.647	128	223335	12.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	80654	15.995	ug/l	96

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

