

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012523\
 Data File : VN076406.D
 Acq On : 25 Jan 2023 16:58
 Operator : JC\MD
 Sample : 01291-04MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW10-GW-338-340MS

Quant Time: Jan 26 07:19:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/26/2023
 Supervised By : Semsettin Yesilyurt 01/26/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	367554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	572675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	504960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	239475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	216506	52.608	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	8.171	113	199375	55.655	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.320%			
50) Toluene-d8	10.571	98	694094	52.464	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.920%			
62) 4-Bromofluorobenzene	12.853	95	237161	54.912	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	166334	44.161	ug/l	98
3) Chloromethane	2.377	50	176126	45.163	ug/l	95
4) Vinyl Chloride	2.530	62	261311	54.647	ug/l	99
5) Bromomethane	2.953	94	183211	46.786	ug/l	100
6) Chloroethane	3.124	64	182763	50.971	ug/l	96
7) Trichlorofluoromethane	3.512	101	341965	51.981	ug/l	100
8) Diethyl Ether	3.977	74	118317	53.621	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.389	101	189090	50.773	ug/l	96
10) Methyl Iodide	4.600	142	271615	47.747	ug/l	95
11) Tert butyl alcohol	5.536	59	141307	256.704	ug/l	99
12) 1,1-Dichloroethene	4.353	96	172792	49.082	ug/l	87
13) Acrolein	4.189	56	229161	348.107	ug/l	100
14) Allyl chloride	5.036	41	240369m	58.589	ug/l	
15) Acrylonitrile	5.730	53	410608	262.125	ug/l	99
16) Acetone	4.441	43	339149	257.072	ug/l	98
17) Carbon Disulfide	4.724	76	390324	44.528	ug/l	97
18) Methyl Acetate	5.036	43	224541	50.221	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	631075	55.063	ug/l	97
20) Methylene Chloride	5.289	84	199895	51.220	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	183609	48.142	ug/l	96
22) Diisopropyl ether	6.683	45	548486	56.691	ug/l	98
23) Vinyl Acetate	6.618	43	1700413	271.941	ug/l	96
24) 1,1-Dichloroethane	6.577	63	340528	52.802	ug/l	99
25) 2-Butanone	7.488	43	513521	254.856	ug/l	94
26) 2,2-Dichloropropane	7.500	77	263533	48.484	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	222937	50.118	ug/l	96
28) Bromochloromethane	7.818	49	144582	55.311	ug/l	91
29) Tetrahydrofuran	7.847	42	337186	271.138	ug/l	96
30) Chloroform	7.971	83	376740	52.795	ug/l	98
31) Cyclohexane	8.265	56	279284	44.177	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336715	51.682	ug/l	93
36) 1,1-Dichloropropene	8.377	75	254891	50.073	ug/l	99
37) Ethyl Acetate	7.565	43	210660	51.594	ug/l	99
38) Carbon Tetrachloride	8.371	117	292835	51.586	ug/l	99
39) Methylcyclohexane	9.606	83	300010	48.262	ug/l	95
40) Benzene	8.612	78	739010	48.552	ug/l	100

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41) Methacrylonitrile	7.782	41	116407	54.451	ug/l	97
42) 1,2-Dichloroethane	8.677	62	267096	51.287	ug/l	98
43) Isopropyl Acetate	8.694	43	329886	49.665	ug/l	99
44) Trichloroethene	9.353	130	195860	45.496	ug/l	98
45) 1,2-Dichloropropane	9.624	63	180257	49.463	ug/l	100
46) Dibromomethane	9.712	93	132840	48.280	ug/l	97
47) Bromodichloromethane	9.894	83	275926	51.705	ug/l	99
48) Methyl methacrylate	9.682	41	162439	51.658	ug/l	97
49) 1,4-Dioxane	9.700	88	63862	962.487	ug/l #	94
51) 4-Methyl-2-Pentanone	10.447	43	1021388	261.948	ug/l	98
52) Toluene	10.635	92	480097	47.166	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	259197	50.951	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	288599	49.311	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	191824	49.303	ug/l	98
56) Ethyl methacrylate	10.876	69	266585	53.073	ug/l	97
57) 1,3-Dichloropropane	11.165	76	317164	50.162	ug/l	100
59) 2-Hexanone	11.200	43	719029	254.471	ug/l	99
60) Dibromochloromethane	11.359	129	213470	52.121	ug/l	100
61) 1,2-Dibromoethane	11.470	107	186427	48.004	ug/l	98
64) Tetrachloroethene	11.106	164	185537	40.743	ug/l	98
65) Chlorobenzene	11.894	112	512291	47.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	199559	50.248	ug/l	99
67) Ethyl Benzene	11.965	91	931554	50.992	ug/l	99
68) m/p-Xylenes	12.076	106	723702	98.792	ug/l	96
69) o-Xylene	12.400	106	360032	50.047	ug/l	97
70) Styrene	12.412	104	572286	49.822	ug/l	98
71) Bromoform	12.582	173	147600	51.463	ug/l #	100
73) Isopropylbenzene	12.700	105	942673	50.884	ug/l	100
74) N-amyl acetate	12.494	43	275640	51.725	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	263996	49.570	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	232722m	53.409	ug/l	
77) Bromobenzene	12.982	156	212937	49.153	ug/l	95
78) n-propylbenzene	13.041	91	1069843	51.180	ug/l	99
79) 2-Chlorotoluene	13.129	91	631860	49.260	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	794138	51.168	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	69060	47.982	ug/l	96
82) 4-Chlorotoluene	13.129	91	631860	49.260	ug/l	98
83) tert-Butylbenzene	13.441	119	697138	50.503	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	791918	50.886	ug/l	99
85) sec-Butylbenzene	13.617	105	987968	51.580	ug/l	98
86) p-Isopropyltoluene	13.735	119	825971	52.441	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	398898	45.683	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	392080	47.209	ug/l	99
89) n-Butylbenzene	14.059	91	654819	52.372	ug/l	99
90) Hexachloroethane	14.335	117	143870	52.924	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	396412	45.581	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	44738	48.326	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	177302	42.395	ug/l	98
94) Hexachlorobutadiene	15.505	225	97534	42.261	ug/l	98
95) Naphthalene	15.641	128	511914	41.468	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	172107	43.129	ug/l	98

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

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