

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078148.D
 Acq On : 09 Jun 2023 16:10
 Operator : JC\MD
 Sample : 03123-04MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-698-700MS

Quant Time: Jun 09 23:09:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/12/2023
 Supervised By :Mahesh Dadoda 06/12/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	423211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	761519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	658460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	276098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	288651	51.155	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.300%			
35) Dibromofluoromethane	8.177	113	241327	50.120	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.240%			
50) Toluene-d8	10.571	98	937677	50.515	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.853	95	304768	52.814	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	212866	44.496	ug/l	97
3) Chloromethane	2.371	50	236352	52.611	ug/l	97
4) Vinyl Chloride	2.524	62	297692	47.521	ug/l	97
5) Bromomethane	2.953	94	218134	46.076	ug/l	99
6) Chloroethane	3.124	64	212670	49.801	ug/l	99
7) Trichlorofluoromethane	3.506	101	401953	47.317	ug/l	95
8) Diethyl Ether	3.977	74	143002	47.909	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.383	101	218982	48.845	ug/l	96
10) Methyl Iodide	4.600	142	306199	48.295	ug/l	99
11) Tert butyl alcohol	5.536	59	167750	215.302	ug/l	100
12) 1,1-Dichloroethene	4.353	96	210637	45.578	ug/l	89
13) Acrolein	4.189	56	195007	227.092	ug/l	96
14) Allyl chloride	5.036	41	275114	48.767	ug/l	91
15) Acrylonitrile	5.730	53	518668	258.205	ug/l	98
16) Acetone	4.442	43	389533	239.834	ug/l	97
17) Carbon Disulfide	4.718	76	537256	45.165	ug/l	96
18) Methyl Acetate	5.036	43	363928	48.669	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	726201	49.250	ug/l	96
20) Methylene Chloride	5.283	84	250390	46.652	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	237961	47.740	ug/l	87
22) Diisopropyl ether	6.683	45	696932	52.519	ug/l	94
23) Vinyl Acetate	6.612	43	2032751	257.694	ug/l #	91
24) 1,1-Dichloroethane	6.583	63	443824	50.700	ug/l	97
25) 2-Butanone	7.494	43	637259	255.145	ug/l	90
26) 2,2-Dichloropropane	7.500	77	358995	55.541	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	288140	48.462	ug/l	94
28) Bromochloromethane	7.818	49	180505	44.910	ug/l	91
29) Tetrahydrofuran	7.847	42	430436	257.795	ug/l	86
30) Chloroform	7.971	83	484567	51.406	ug/l	93
31) Cyclohexane	8.265	56	357923	49.448	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	426038	51.481	ug/l	96
36) 1,1-Dichloropropene	8.377	75	357369	51.744	ug/l	96
37) Ethyl Acetate	7.571	43	275916	51.139	ug/l #	94
38) Carbon Tetrachloride	8.371	117	380507	52.177	ug/l	99
39) Methylcyclohexane	9.606	83	370527	51.768	ug/l	93
40) Benzene	8.612	78	1059508	51.385	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	157235	53.765	ug/l	91
42) 1,2-Dichloroethane	8.677	62	364641	51.579	ug/l	98
43) Isopropyl Acetate	8.694	43	476390	46.169	ug/l	96
44) Trichloroethene	9.359	130	269642	49.519	ug/l	98
45) 1,2-Dichloropropane	9.629	63	268794	52.396	ug/l	100
46) Dibromomethane	9.718	93	189543	50.162	ug/l	95
47) Bromodichloromethane	9.894	83	380993	54.281	ug/l	99
48) Methyl methacrylate	9.688	41	231269	53.409	ug/l	89
49) 1,4-Dioxane	9.700	88	83885	921.702	ug/l #	92
51) 4-Methyl-2-Pentanone	10.453	43	1452469	267.314	ug/l	93
52) Toluene	10.635	92	668512	51.352	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	394852	54.017	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	417440	51.661	ug/l	94
55) 1,1,2-Trichloroethane	11.024	97	262345	53.272	ug/l	91
56) Ethyl methacrylate	10.882	69	383302	53.454	ug/l #	90
57) 1,3-Dichloropropane	11.171	76	441671	53.133	ug/l	100
59) 2-Hexanone	11.200	43	1005025	265.645	ug/l	93
60) Dibromochloromethane	11.365	129	291495	54.092	ug/l	99
61) 1,2-Dibromoethane	11.476	107	265816	51.434	ug/l	100
64) Tetrachloroethene	11.106	164	225191	51.264	ug/l	96
65) Chlorobenzene	11.900	112	713935	50.629	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	270956	52.243	ug/l	98
67) Ethyl Benzene	11.970	91	1288577	52.959	ug/l	99
68) m/p-Xylenes	12.076	106	972626	104.890	ug/l	98
69) o-Xylene	12.400	106	480797	52.800	ug/l	96
70) Styrene	12.418	104	767018	53.504	ug/l	98
71) Bromoform	12.582	173	181680	54.281	ug/l #	100
73) Isopropylbenzene	12.700	105	1193642	45.718	ug/l	99
74) N-amyl acetate	12.500	43	394601	45.896	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	370112	51.620	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	300437m	46.029	ug/l	
77) Bromobenzene	12.988	156	271359	44.773	ug/l	99
78) n-propylbenzene	13.041	91	1376505	48.526	ug/l	98
79) 2-Chlorotoluene	13.129	91	837597	45.744	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	979735	46.349	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	102454	48.226	ug/l	91
82) 4-Chlorotoluene	13.229	91	804824	47.096	ug/l	99
83) tert-Butylbenzene	13.441	119	848300	46.167	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	983598	47.995	ug/l	99
85) sec-Butylbenzene	13.623	105	1124189	46.744	ug/l	100
86) p-Isopropyltoluene	13.735	119	937525	48.038	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	473717	46.208	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	452072	45.698	ug/l	99
89) n-Butylbenzene	14.059	91	739938	48.068	ug/l	98
90) Hexachloroethane	14.335	117	169725	49.005	ug/l	94
91) 1,2-Dichlorobenzene	14.112	146	464110	46.321	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	61437	47.507	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	174414	48.857	ug/l	99
94) Hexachlorobutadiene	15.506	225	91290	52.292	ug/l	98
95) Naphthalene	15.647	128	527382	43.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	174976	43.825	ug/l	97

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

