

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060823\
 Data File : VN078119.D
 Acq On : 08 Jun 2023 10:35
 Operator : JC\MD
 Sample : VN0608WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2023
 Supervised By : Mahesh Dadoda 06/09/2023

Quant Time: Jun 09 01:22:32 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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	442724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	799866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	680447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	256556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	323771	54.850	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.700%			
35) Dibromofluoromethane	8.177	113	267557	52.904	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.800%			
50) Toluene-d8	10.571	98	1034270	53.048	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.100%			
62) 4-Bromofluorobenzene	12.853	95	318660	52.574	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	86185	17.221	ug/l	99
3) Chloromethane	2.371	50	95419	19.141	ug/l	99
4) Vinyl Chloride	2.518	62	124256	18.961	ug/l	99
5) Bromomethane	2.959	94	91124	18.400	ug/l	100
6) Chloroethane	3.124	64	84007	18.805	ug/l	91
7) Trichlorofluoromethane	3.506	101	160141	18.020	ug/l	97
8) Diethyl Ether	3.971	74	55556	17.792	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.377	101	90183	19.229	ug/l	98
10) Methyl Iodide	4.600	142	114179	17.215	ug/l	98
11) Tert butyl alcohol	5.536	59	76300	93.612	ug/l	100
12) 1,1-Dichloroethene	4.348	96	84016	17.378	ug/l	90
13) Acrolein	4.189	56	94031	104.676	ug/l	95
14) Allyl chloride	5.036	41	121746	20.630	ug/l	93
15) Acrylonitrile	5.730	53	195795	93.175	ug/l	97
16) Acetone	4.442	43	185654	109.269	ug/l	93
17) Carbon Disulfide	4.724	76	210125	16.886	ug/l	98
18) Methyl Acetate	5.042	43	140229	17.927	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	287027	18.608	ug/l	97
20) Methylene Chloride	5.283	84	102248	18.211	ug/l #	89
21) trans-1,2-Dichloroethene	5.800	96	95148	18.247	ug/l	89
22) Diisopropyl ether	6.683	45	267313	19.256	ug/l #	92
23) Vinyl Acetate	6.612	43	791397	95.904	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	176570	19.281	ug/l	98
25) 2-Butanone	7.494	43	264583	101.265	ug/l	89
26) 2,2-Dichloropropane	7.500	77	146852	21.718	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	112573	18.099	ug/l	94
28) Bromochloromethane	7.824	49	90789	21.593	ug/l	89
29) Tetrahydrofuran	7.847	42	158455	90.719	ug/l	88
30) Chloroform	7.971	83	189464	19.213	ug/l	92
31) Cyclohexane	8.265	56	141393	18.673	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	164873	19.044	ug/l	97
36) 1,1-Dichloropropene	8.377	75	136211	18.777	ug/l	98
37) Ethyl Acetate	7.571	43	100286	17.696	ug/l	96
38) Carbon Tetrachloride	8.365	117	146793	19.164	ug/l	92
39) Methylcyclohexane	9.606	83	137931	18.347	ug/l	89
40) Benzene	8.612	78	411357	18.994	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	58718	19.116	ug/l	91
42) 1,2-Dichloroethane	8.683	62	141643	19.075	ug/l	97
43) Isopropyl Acetate	8.694	43	186769	17.233	ug/l	95
44) Trichloroethene	9.359	130	104933	18.347	ug/l	97
45) 1,2-Dichloropropane	9.630	63	105805	19.636	ug/l	97
46) Dibromomethane	9.718	93	73006	18.395	ug/l	97
47) Bromodichloromethane	9.894	83	143060	19.405	ug/l	98
48) Methyl methacrylate	9.682	41	89385	19.653	ug/l	88
49) 1,4-Dioxane	9.700	88	35349	369.783	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	547942	96.009	ug/l	93
52) Toluene	10.635	92	258769	18.925	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	149932	19.528	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	161250	18.999	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	103812	20.069	ug/l	99
56) Ethyl methacrylate	10.877	69	145480	19.316	ug/l	91
57) 1,3-Dichloropropane	11.171	76	168983	19.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	303664	99.804	ug/l	91
59) 2-Hexanone	11.200	43	394267	99.215	ug/l	90
60) Dibromochloromethane	11.365	129	104933	18.539	ug/l	98
61) 1,2-Dibromoethane	11.476	107	101240	18.650	ug/l	98
64) Tetrachloroethene	11.112	164	93846	20.673	ug/l	98
65) Chlorobenzene	11.894	112	273651	18.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	100194	18.694	ug/l	98
67) Ethyl Benzene	11.971	91	485061	19.291	ug/l	99
68) m/p-Xylenes	12.076	106	370956	38.712	ug/l	100
69) o-Xylene	12.406	106	174755	18.571	ug/l	93
70) Styrene	12.418	104	278568	18.804	ug/l	96
71) Bromoform	12.582	173	65361	18.897	ug/l #	99
73) Isopropylbenzene	12.700	105	448907	18.503	ug/l	99
74) N-amyl acetate	12.500	43	139465	17.457	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	134784	18.666	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	113734m	18.752	ug/l	
77) Bromobenzene	12.988	156	102287	18.162	ug/l	98
78) n-propylbenzene	13.041	91	496621	18.841	ug/l	98
79) 2-Chlorotoluene	13.129	91	310567	18.253	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	364425	18.553	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	34810	17.633	ug/l #	83
82) 4-Chlorotoluene	13.229	91	288480	18.167	ug/l	99
83) tert-Butylbenzene	13.441	119	308148	18.048	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	361152	18.965	ug/l	100
85) sec-Butylbenzene	13.623	105	397738	17.798	ug/l	99
86) p-Isopropyltoluene	13.735	119	323674	17.848	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	168800	17.719	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	165170	17.968	ug/l	98
89) n-Butylbenzene	14.059	91	245037	17.131	ug/l	98
90) Hexachloroethane	14.335	117	56732	17.628	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	170502	18.313	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	21905	18.229	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	52835	15.928	ug/l	97
94) Hexachlorobutadiene	15.506	225	31268	17.488	ug/l	97
95) Naphthalene	15.647	128	162470	14.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	59311	15.987	ug/l	97

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

