

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062123\
 Data File : VN078319.D
 Acq On : 21 Jun 2023 13:58
 Operator : JC\MD
 Sample : VN0621WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/22/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 22 04:48:18 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	380021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	663625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	577542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	271132	53.511	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.020%			
35) Dibromofluoromethane	8.177	113	222986	53.142	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.280%			
50) Toluene-d8	10.571	98	809935	50.070	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.140%			
62) 4-Bromofluorobenzene	12.853	95	254109	50.531	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	61313	14.273	ug/l	86
3) Chloromethane	2.377	50	69673	16.000	ug/l	97
4) Vinyl Chloride	2.524	62	101765	18.091	ug/l	96
5) Bromomethane	2.959	94	78681	18.508	ug/l	93
6) Chloroethane	3.130	64	69883	18.224	ug/l	99
7) Trichlorofluoromethane	3.500	101	155188	20.344	ug/l	96
8) Diethyl Ether	3.971	74	56358	21.027	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	86959	21.601	ug/l	98
10) Methyl Iodide	4.600	142	113683	19.968	ug/l	95
11) Tert butyl alcohol	5.530	59	62420	89.219	ug/l	99
12) 1,1-Dichloroethene	4.353	96	79174	19.079	ug/l	95
13) Acrolein	4.189	56	85420	110.780	ug/l	100
14) Allyl chloride	5.036	41	98654	19.475	ug/l	93
15) Acrylonitrile	5.730	53	181390	100.563	ug/l	97
16) Acetone	4.436	43	161177	110.515	ug/l	100
17) Carbon Disulfide	4.718	76	171652	16.070	ug/l	99
18) Methyl Acetate	5.036	43	151418	22.551	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	244324	18.453	ug/l	94
20) Methylene Chloride	5.294	84	85766	17.796	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	72931	16.294	ug/l #	81
22) Diisopropyl ether	6.683	45	232118	19.480	ug/l #	95
23) Vinyl Acetate	6.612	43	675688	95.393	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	150066	19.091	ug/l	96
25) 2-Butanone	7.494	43	217254	96.870	ug/l	89
26) 2,2-Dichloropropane	7.500	77	120540	20.768	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	91716	17.179	ug/l	93
28) Bromochloromethane	7.824	49	78288	21.692	ug/l	90
29) Tetrahydrofuran	7.841	42	135631	90.464	ug/l	88
30) Chloroform	7.977	83	162096	19.150	ug/l	90
31) Cyclohexane	8.265	56	100697	15.493	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	135366	18.216	ug/l	96
36) 1,1-Dichloropropene	8.382	75	110062	18.287	ug/l	96
37) Ethyl Acetate	7.565	43	88671	18.859	ug/l	95
38) Carbon Tetrachloride	8.371	117	118452	18.639	ug/l	98
39) Methylcyclohexane	9.612	83	85643	13.731	ug/l	89
40) Benzene	8.612	78	333087	18.537	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	50657	19.877	ug/l	93
42) 1,2-Dichloroethane	8.677	62	124637	20.231	ug/l	99
43) Isopropyl Acetate	8.694	43	166779	18.548	ug/l #	92
44) Trichloroethene	9.359	130	86264	18.179	ug/l	100
45) 1,2-Dichloropropane	9.629	63	87901	19.662	ug/l	99
46) Dibromomethane	9.712	93	62117	18.864	ug/l	94
47) Bromodichloromethane	9.894	83	128229	20.964	ug/l	96
48) Methyl methacrylate	9.688	41	70739	18.746	ug/l	94
49) 1,4-Dioxane	9.700	88	28423	358.372	ug/l #	89
51) 4-Methyl-2-Pentanone	10.453	43	479006	101.161	ug/l	95
52) Toluene	10.635	92	212165	18.702	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	128024	20.098	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	139479	19.808	ug/l	94
55) 1,1,2-Trichloroethane	11.023	97	90035	20.979	ug/l	96
56) Ethyl methacrylate	10.876	69	119732	19.161	ug/l #	89
57) 1,3-Dichloropropane	11.171	76	150127	20.724	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	236320	93.616	ug/l	91
59) 2-Hexanone	11.200	43	339246	102.896	ug/l	90
60) Dibromochloromethane	11.365	129	92728	19.746	ug/l	99
61) 1,2-Dibromoethane	11.476	107	85563	18.998	ug/l	98
64) Tetrachloroethene	11.112	164	66760	17.327	ug/l	96
65) Chlorobenzene	11.900	112	227554	18.398	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	88665	19.491	ug/l	99
67) Ethyl Benzene	11.970	91	374374	17.542	ug/l	98
68) m/p-Xylenes	12.076	106	286686	35.249	ug/l	99
69) o-Xylene	12.406	106	139504	17.466	ug/l	93
70) Styrene	12.418	104	223716	17.792	ug/l	95
71) Bromoform	12.582	173	58889	20.059	ug/l #	99
73) Isopropylbenzene	12.700	105	342356	17.059	ug/l	100
74) N-amyl acetate	12.500	43	114901	17.386	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	124275	21.099	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	95613m	19.057	ug/l	
77) Bromobenzene	12.988	156	82180	17.639	ug/l	99
78) n-propylbenzene	13.041	91	369022	16.924	ug/l	100
79) 2-Chlorotoluene	13.129	91	243268	17.284	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	272253	16.755	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	33310	20.397	ug/l	88
82) 4-Chlorotoluene	13.229	91	227785	17.340	ug/l	99
83) tert-Butylbenzene	13.447	119	212424	15.040	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	270518	17.172	ug/l	100
85) sec-Butylbenzene	13.623	105	290223	15.699	ug/l	99
86) p-Isopropyltoluene	13.735	119	230811	15.385	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	132820	16.854	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	128400	16.885	ug/l	97
89) n-Butylbenzene	14.059	91	169696	14.341	ug/l	96
90) Hexachloroethane	14.335	117	43559	16.361	ug/l	85
91) 1,2-Dichlorobenzene	14.111	146	136992	17.787	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.729	75	18243	18.352	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	34648	12.626	ug/l	95
94) Hexachlorobutadiene	15.500	225	21746	14.252	ug/l	96
95) Naphthalene	15.647	128	111310	12.059	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	42916	13.983	ug/l	98

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

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