

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
 Data File : VN078301.D
 Acq On : 20 Jun 2023 11:48
 Operator : JC\MD
 Sample : VN0620WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/21/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 21 05:43:50 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	8.235	168	355544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	642123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	562169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	198906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	253413	53.457	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.920%			
35) Dibromofluoromethane	8.177	113	208379	51.324	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	10.570	98	768581	49.105	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.200%			
62) 4-Bromofluorobenzene	12.853	95	229596	47.186	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	58636	14.590	ug/l	98
3) Chloromethane	2.371	50	66900	16.470	ug/l	99
4) Vinyl Chloride	2.524	62	94912	18.035	ug/l	93
5) Bromomethane	2.965	94	76632	19.267	ug/l	99
6) Chloroethane	3.130	64	69175	19.282	ug/l	91
7) Trichlorofluoromethane	3.506	101	121581	17.036	ug/l	93
8) Diethyl Ether	3.971	74	46348	18.483	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.377	101	66715	17.713	ug/l	97
10) Methyl Iodide	4.600	142	87751	16.475	ug/l	98
11) Tert butyl alcohol	5.536	59	58737	89.735	ug/l	98
12) 1,1-Dichloroethene	4.347	96	62359	16.061	ug/l	87
13) Acrolein	4.189	56	69843	96.814	ug/l	98
14) Allyl chloride	5.041	41	82518	17.411	ug/l	90
15) Acrylonitrile	5.730	53	170392	100.969	ug/l	99
16) Acetone	4.441	43	132281	96.946	ug/l	96
17) Carbon Disulfide	4.724	76	143974	14.407	ug/l	97
18) Methyl Acetate	5.041	43	125026	19.902	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	234845	18.958	ug/l	92
20) Methylene Chloride	5.288	84	80144	17.774	ug/l #	79
21) trans-1,2-Dichloroethene	5.800	96	69236	16.534	ug/l	86
22) Diisopropyl ether	6.677	45	221349	19.855	ug/l #	91
23) Vinyl Acetate	6.618	43	637924	96.262	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	138283	18.803	ug/l	99
25) 2-Butanone	7.488	43	211357	100.728	ug/l #	81
26) 2,2-Dichloropropane	7.500	77	115964	21.356	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	85180	17.053	ug/l	91
28) Bromochloromethane	7.824	49	67733	20.059	ug/l	86
29) Tetrahydrofuran	7.847	42	140889	100.440	ug/l #	82
30) Chloroform	7.977	83	154362	19.492	ug/l	99
31) Cyclohexane	8.259	56	93506	15.377	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	131030	18.846	ug/l	97
36) 1,1-Dichloropropene	8.377	75	102356	17.576	ug/l	96
37) Ethyl Acetate	7.571	43	91099	20.024	ug/l #	93
38) Carbon Tetrachloride	8.371	117	109852	17.864	ug/l	99
39) Methylcyclohexane	9.606	83	83208	13.787	ug/l	91
40) Benzene	8.612	78	316531	18.206	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	46493	18.854	ug/l	91
42) 1,2-Dichloroethane	8.676	62	117988	19.793	ug/l	97
43) Isopropyl Acetate	8.700	43	167415	19.242	ug/l #	90
44) Trichloroethene	9.353	130	77052	16.781	ug/l	97
45) 1,2-Dichloropropane	9.623	63	83821	19.377	ug/l	99
46) Dibromomethane	9.718	93	61004	19.147	ug/l	97
47) Bromodichloromethane	9.894	83	121097	20.461	ug/l	95
48) Methyl methacrylate	9.682	41	68965	18.888	ug/l	89
49) 1,4-Dioxane	9.700	88	26169	341.001	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	465727	101.650	ug/l	92
52) Toluene	10.635	92	195782	17.835	ug/l	93
53) t-1,3-Dichloropropene	10.841	75	119553	19.396	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	130044	19.086	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	84100	20.253	ug/l	94
56) Ethyl methacrylate	10.882	69	116797	19.317	ug/l	93
57) 1,3-Dichloropropane	11.165	76	141391	20.172	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	195273	79.946	ug/l	92
59) 2-Hexanone	11.200	43	314213	98.494	ug/l	91
60) Dibromochloromethane	11.365	129	88755	19.533	ug/l	99
61) 1,2-Dibromoethane	11.476	107	82448	18.920	ug/l	98
64) Tetrachloroethene	11.112	164	59159	15.774	ug/l	99
65) Chlorobenzene	11.894	112	213796	17.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.964	131	84251	19.027	ug/l	99
67) Ethyl Benzene	11.970	91	357435	17.206	ug/l	98
68) m/p-Xylenes	12.076	106	271495	34.294	ug/l	100
69) o-Xylene	12.406	106	131682	16.938	ug/l	94
70) Styrene	12.417	104	211228	17.258	ug/l	97
71) Bromoform	12.582	173	54796	19.176	ug/l #	96
73) Isopropylbenzene	12.700	105	313764	16.681	ug/l	99
74) N-amyl acetate	12.500	43	115795	18.695	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	120580	21.934	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	94458m	20.088	ug/l	
77) Bromobenzene	12.988	156	80487	18.434	ug/l	97
78) n-propylbenzene	13.041	91	345337	16.899	ug/l	99
79) 2-Chlorotoluene	13.129	91	228177	17.298	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	255539	16.781	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	29246m	19.109	ug/l	
82) 4-Chlorotoluene	13.223	91	214677	17.437	ug/l	98
83) tert-Butylbenzene	13.441	119	207940	15.709	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	248404	16.825	ug/l	99
85) sec-Butylbenzene	13.617	105	261401	15.087	ug/l	100
86) p-Isopropyltoluene	13.735	119	208617	14.838	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	122778	16.624	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	121256	17.014	ug/l	98
89) n-Butylbenzene	14.064	91	156375	14.101	ug/l	99
90) Hexachloroethane	14.341	117	41746	16.731	ug/l	94
91) 1,2-Dichlorobenzene	14.111	146	127062	17.603	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17997	19.317	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	33242	12.926	ug/l	95
94) Hexachlorobutadiene	15.511	225	22012	15.619	ug/l	98
95) Naphthalene	15.647	128	109772	12.689	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	39965	13.894	ug/l	99

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

