

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060723\
 Data File : VN078092.D
 Acq On : 07 Jun 2023 10:31
 Operator : JC\MD
 Sample : VN0607WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/07/2023
 Supervised By : Mahesh Dadoda 06/08/2023

Quant Time: Jun 07 16:40:15 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	458365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	801705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	695811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	264668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	310146	50.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.500%			
35) Dibromofluoromethane	8.171	113	254317	50.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	10.571	98	1016001	51.991	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.980%			
62) 4-Bromofluorobenzene	12.853	95	314445	51.760	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	94166	18.174	ug/l	98
3) Chloromethane	2.371	50	93546	18.024	ug/l	98
4) Vinyl Chloride	2.524	62	125633	18.517	ug/l	94
5) Bromomethane	2.965	94	96050	18.732	ug/l	94
6) Chloroethane	3.130	64	83937	18.148	ug/l	98
7) Trichlorofluoromethane	3.506	101	167630	18.219	ug/l	100
8) Diethyl Ether	3.971	74	55854	17.277	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	94580	19.478	ug/l	98
10) Methyl Iodide	4.606	142	122235	17.801	ug/l	98
11) Tert butyl alcohol	5.524	59	70525	83.574	ug/l	98
12) 1,1-Dichloroethene	4.347	96	90316	18.044	ug/l	90
13) Acrolein	4.195	56	91661	98.556	ug/l	96
14) Allyl chloride	5.036	41	123117	20.150	ug/l	97
15) Acrylonitrile	5.736	53	195970	90.076	ug/l	97
16) Acetone	4.436	43	176652	100.422	ug/l	93
17) Carbon Disulfide	4.718	76	225484	17.502	ug/l	99
18) Methyl Acetate	5.042	43	142385	17.581	ug/l	89
19) Methyl tert-butyl Ether	5.800	73	293863	18.401	ug/l	96
20) Methylene Chloride	5.289	84	104501	17.977	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	98686	18.280	ug/l	87
22) Diisopropyl ether	6.689	45	267277	18.597	ug/l	95
23) Vinyl Acetate	6.612	43	782984	91.647	ug/l	93
24) 1,1-Dichloroethane	6.577	63	180126	18.999	ug/l	99
25) 2-Butanone	7.494	43	256495	94.819	ug/l #	79
26) 2,2-Dichloropropane	7.500	77	152060	21.721	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	115650	17.959	ug/l	95
28) Bromochloromethane	7.824	49	84903	19.504	ug/l	95
29) Tetrahydrofuran	7.847	42	165033	91.260	ug/l	86
30) Chloroform	7.971	83	193185	18.922	ug/l	96
31) Cyclohexane	8.265	56	155877	19.883	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	169451	18.905	ug/l	98
36) 1,1-Dichloropropene	8.377	75	146748	20.183	ug/l	96
37) Ethyl Acetate	7.565	43	110042	19.373	ug/l #	94
38) Carbon Tetrachloride	8.371	117	149665	19.494	ug/l	100
39) Methylcyclohexane	9.606	83	147954	19.635	ug/l	92
40) Benzene	8.612	78	428061	19.720	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	57330	18.621	ug/l	94
42) 1,2-Dichloroethane	8.677	62	143774	19.318	ug/l	98
43) Isopropyl Acetate	8.694	43	184224	16.959	ug/l	97
44) Trichloroethene	9.359	130	110193	19.222	ug/l	98
45) 1,2-Dichloropropane	9.630	63	105603	19.554	ug/l	98
46) Dibromomethane	9.712	93	74362	18.693	ug/l	95
47) Bromodichloromethane	9.888	83	149846	20.279	ug/l	97
48) Methyl methacrylate	9.688	41	84549	18.547	ug/l	90
49) 1,4-Dioxane	9.700	88	32486	339.054	ug/l #	89
51) 4-Methyl-2-Pentanone	10.453	43	548539	95.893	ug/l	94
52) Toluene	10.635	92	270483	19.736	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	148899	19.349	ug/l	96
54) cis-1,3-Dichloropropene	10.324	75	168026	19.752	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	104915	20.236	ug/l	99
56) Ethyl methacrylate	10.882	69	145189	19.233	ug/l #	90
57) 1,3-Dichloropropane	11.171	76	173566	19.833	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	291308	95.523	ug/l	92
59) 2-Hexanone	11.200	43	382603	96.059	ug/l	93
60) Dibromochloromethane	11.365	129	107599	18.966	ug/l	98
61) 1,2-Dibromoethane	11.476	107	104188	19.149	ug/l	100
64) Tetrachloroethene	11.112	164	94523	20.363	ug/l	98
65) Chlorobenzene	11.900	112	277082	18.595	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	103672	18.916	ug/l	98
67) Ethyl Benzene	11.971	91	498195	19.376	ug/l	98
68) m/p-Xylenes	12.076	106	384001	39.189	ug/l	100
69) o-Xylene	12.406	106	189125	19.654	ug/l	100
70) Styrene	12.418	104	287320	18.966	ug/l	97
71) Bromoform	12.582	173	65730	18.584	ug/l #	99
73) Isopropylbenzene	12.700	105	469277	18.750	ug/l	99
74) N-amyl acetate	12.500	43	139263	16.897	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	140973	18.960	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	111847m	17.876	ug/l	
77) Bromobenzene	12.982	156	103650	17.840	ug/l	98
78) n-propylbenzene	13.041	91	511284	18.803	ug/l	100
79) 2-Chlorotoluene	13.129	91	319176	18.184	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	379448	18.726	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	36162	17.757	ug/l	88
82) 4-Chlorotoluene	13.229	91	306682	18.721	ug/l	100
83) tert-Butylbenzene	13.441	119	323979	18.393	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	374049	19.040	ug/l	96
85) sec-Butylbenzene	13.623	105	422675	18.334	ug/l	99
86) p-Isopropyltoluene	13.735	119	344938	18.438	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	175749	17.883	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	170868	18.018	ug/l	99
89) n-Butylbenzene	14.059	91	261230	17.703	ug/l	98
90) Hexachloroethane	14.335	117	58782	17.705	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	175162	18.237	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	21780	17.569	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	56029	16.373	ug/l	96
94) Hexachlorobutadiene	15.506	225	32128	17.407	ug/l	94
95) Naphthalene	15.647	128	173152	15.042	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	62567	16.347	ug/l	98

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

