

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077393.D
 Acq On : 20 Apr 2023 12:20
 Operator : JC\MD
 Sample : VN0420WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2023
 Supervised By : Mahesh Dadoda 04/22/2023

Quant Time: Apr 21 02:38:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	473511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	897007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	809183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	330372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	345683	53.415	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.820%			
35) Dibromofluoromethane	8.172	113	309154	53.837	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.680%			
50) Toluene-d8	10.572	98	1153883	49.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.854	95	391389	50.907	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	122615	20.288	ug/l	94
3) Chloromethane	2.372	50	113501	15.155	ug/l	99
4) Vinyl Chloride	2.525	62	151418	14.911	ug/l	99
5) Bromomethane	2.966	94	129943	17.651	ug/l	100
6) Chloroethane	3.131	64	111758	15.422	ug/l	97
7) Trichlorofluoromethane	3.507	101	197658	22.449	ug/l	90
8) Diethyl Ether	3.966	74	78598	21.302	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.384	101	116197	21.564	ug/l	97
10) Methyl Iodide	4.601	142	140324	21.412	ug/l	91
11) Tert butyl alcohol	5.531	59	107694	81.553	ug/l	98
12) 1,1-Dichloroethene	4.348	96	111094	20.028	ug/l	96
13) Acrolein	4.190	56	108653	86.875	ug/l	98
14) Allyl chloride	5.037	41	127580	15.229	ug/l #	84
15) Acrylonitrile	5.731	53	258584	88.574	ug/l	99
16) Acetone	4.431	43	216754	90.839	ug/l	100
17) Carbon Disulfide	4.725	76	282471	18.885	ug/l	100
18) Methyl Acetate	5.037	43	166960	18.372	ug/l	92
19) Methyl tert-butyl Ether	5.807	73	406676	20.662	ug/l	99
20) Methylene Chloride	5.284	84	137464	20.399	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	128291	21.124	ug/l	95
22) Diisopropyl ether	6.678	45	322295	19.189	ug/l	97
23) Vinyl Acetate	6.613	43	1169904	103.017	ug/l	94
24) 1,1-Dichloroethane	6.578	63	208835	19.255	ug/l	98
25) 2-Butanone	7.489	43	327459	84.558	ug/l	93
26) 2,2-Dichloropropane	7.495	77	200561	20.166	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	151847	20.474	ug/l	98
28) Bromochloromethane	7.819	49	87868	20.140	ug/l	85
29) Tetrahydrofuran	7.842	42	199158	80.002	ug/l	89
30) Chloroform	7.972	83	247465	21.396	ug/l	97
31) Cyclohexane	8.260	56	186609	18.557	ug/l	94
32) 1,1,1-Trichloroethane	8.172	97	223171	21.217	ug/l	93
36) 1,1-Dichloropropene	8.378	75	169487	19.956	ug/l	95
37) Ethyl Acetate	7.572	43	136716	17.992	ug/l	99
38) Carbon Tetrachloride	8.366	117	191165	21.970	ug/l	97
39) Methylcyclohexane	9.601	83	233763	20.412	ug/l	95
40) Benzene	8.613	78	533372	20.134	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	66234	16.216	ug/l	88
42) 1,2-Dichloroethane	8.678	62	183436	22.499	ug/l	100
43) Isopropyl Acetate	8.689	43	244505	17.438	ug/l	97
44) Trichloroethene	9.360	130	142947	22.552	ug/l	99
45) 1,2-Dichloropropane	9.625	63	130336	20.716	ug/l	97
46) Dibromomethane	9.713	93	98227	20.722	ug/l	97
47) Bromodichloromethane	9.889	83	200633	21.176	ug/l	97
48) Methyl methacrylate	9.683	41	105748	17.679	ug/l	94
49) 1,4-Dioxane	9.695	88	52602	362.730	ug/l	95
51) 4-Methyl-2-Pentanone	10.448	43	710218	87.630	ug/l	97
52) Toluene	10.636	92	363135	20.943	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	213784	20.779	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	228489	20.850	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	143102	21.025	ug/l	95
56) Ethyl methacrylate	10.877	69	206500	19.478	ug/l	97
57) 1,3-Dichloropropane	11.166	76	231829	20.616	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	272510	86.350	ug/l	92
59) 2-Hexanone	11.195	43	511239	84.670	ug/l	99
60) Dibromochloromethane	11.360	129	149726	21.359	ug/l	97
61) 1,2-Dibromoethane	11.472	107	145493	21.416	ug/l	99
64) Tetrachloroethene	11.107	164	104894	20.984	ug/l	97
65) Chlorobenzene	11.895	112	382739	21.484	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	144249	21.400	ug/l	98
67) Ethyl Benzene	11.966	91	682677	20.766	ug/l	100
68) m/p-Xylenes	12.072	106	543744	42.095	ug/l	97
69) o-Xylene	12.401	106	267940	21.026	ug/l	99
70) Styrene	12.413	104	417763	20.372	ug/l	98
71) Bromoform	12.577	173	97193	20.483	ug/l #	100
73) Isopropylbenzene	12.701	105	686812	21.403	ug/l	99
74) N-amyl acetate	12.495	43	207414	17.056	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.942	83	204624	20.320	ug/l	97
76) 1,2,3-Trichloropropane	12.995	75	148598m	18.889	ug/l	
77) Bromobenzene	12.977	156	143761	22.033	ug/l	91
78) n-propylbenzene	13.036	91	749384	21.136	ug/l	100
79) 2-Chlorotoluene	13.130	91	458266	21.465	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	542152	21.153	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	60701	17.363	ug/l	97
82) 4-Chlorotoluene	13.224	91	428892	21.308	ug/l	100
83) tert-Butylbenzene	13.442	119	477571	20.934	ug/l	99
84) 1,2,4-Trimethylbenzene	13.489	105	511885	20.216	ug/l	99
85) sec-Butylbenzene	13.618	105	677366	21.305	ug/l	100
86) p-Isopropyltoluene	13.736	119	534801	21.403	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	261750	21.684	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	258788	21.740	ug/l	98
89) n-Butylbenzene	14.060	91	417135	20.110	ug/l	100
90) Hexachloroethane	14.336	117	108311	19.825	ug/l	100
91) 1,2-Dichlorobenzene	14.113	146	263844	21.849	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	37305	19.547	ug/l	94
93) 1,2,4-Trichlorobenzene	15.371	180	69510	15.946	ug/l	97
94) Hexachlorobutadiene	15.465	225	53185	21.077	ug/l	99
95) Naphthalene	15.589	128	257897	15.749	ug/l	100
96) 1,2,3-Trichlorobenzene	15.754	180	67453	16.177	ug/l	99

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

