

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060623\
 Data File : VN078070.D
 Acq On : 06 Jun 2023 15:02
 Operator : JC\MD
 Sample : VN0606WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 01:21:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	392007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	688302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	585234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	251201	42.827	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.660%		
35) Dibromofluoromethane	8.171	113	219983	49.012	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.020%		
50) Toluene-d8	10.571	98	782817	45.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.620%		
62) 4-Bromofluorobenzene	12.853	95	260641	42.717	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	67147	15.051	ug/l	98
3) Chloromethane	2.371	50	82678	16.271	ug/l	98
4) Vinyl Chloride	2.518	62	107315	19.079	ug/l	98
5) Bromomethane	2.959	94	79804	19.184	ug/l	91
6) Chloroethane	3.124	64	74831	18.460	ug/l	98
7) Trichlorofluoromethane	3.501	101	150793	19.237	ug/l	97
8) Diethyl Ether	3.971	74	57628	20.138	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	84245	19.420	ug/l	95
10) Methyl Iodide	4.601	142	113922	22.020	ug/l	94
11) Tert butyl alcohol	5.530	59	76232	94.173	ug/l #	85
12) 1,1-Dichloroethene	4.353	96	81361	19.733	ug/l	93
13) Acrolein	4.201	56	55986	93.146	ug/l	95
14) Allyl chloride	5.036	41	116852	19.292	ug/l	94
15) Acrylonitrile	5.730	53	214878	99.359	ug/l	99
16) Acetone	4.436	43	167735	90.896	ug/l	90
17) Carbon Disulfide	4.724	76	158414	14.260	ug/l	99
18) Methyl Acetate	5.036	43	156279	20.187	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	304945	20.434	ug/l	99
20) Methylene Chloride	5.283	84	101812	20.012	ug/l	90
21) trans-1,2-Dichloroethene	5.795	96	89278	19.277	ug/l	90
22) Diisopropyl ether	6.683	45	282058	19.867	ug/l #	94
23) Vinyl Acetate	6.612	43	811360	92.240	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	176343	20.275	ug/l	98
25) 2-Butanone	7.494	43	270541	93.721	ug/l	90
26) 2,2-Dichloropropane	7.500	77	141056	19.089	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	115332	20.768	ug/l	97
28) Bromochloromethane	7.824	49	75053	19.952	ug/l	98
29) Tetrahydrofuran	7.847	42	166694	88.190	ug/l	88
30) Chloroform	7.971	83	189802	19.837	ug/l	92
31) Cyclohexane	8.265	56	128751	16.151	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	168316	20.692	ug/l	99
36) 1,1-Dichloropropene	8.377	75	135016	20.566	ug/l	98
37) Ethyl Acetate	7.571	43	105733	18.070	ug/l	97
38) Carbon Tetrachloride	8.371	117	143191	21.600	ug/l	97
39) Methylcyclohexane	9.600	83	128961	16.046	ug/l	90
40) Benzene	8.612	78	412653	21.301	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	60855	19.529	ug/l	93
42) 1,2-Dichloroethane	8.683	62	145310	20.649	ug/l	97
43) Isopropyl Acetate	8.694	43	208179	21.782	ug/l #	93
44) Trichloroethene	9.359	130	110255	22.476	ug/l	98
45) 1,2-Dichloropropane	9.630	63	106787	21.610	ug/l	97
46) Dibromomethane	9.712	93	75581	21.375	ug/l	91
47) Bromodichloromethane	9.894	83	148258	21.901	ug/l	97
48) Methyl methacrylate	9.688	41	92655	20.447	ug/l	89
49) 1,4-Dioxane	9.706	88	35084	409.924	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	601149	105.815	ug/l	95
52) Toluene	10.635	92	262952	21.803	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	155326	21.667	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	164882	20.871	ug/l #	86
55) 1,1,2-Trichloroethane	11.024	97	113574	23.717	ug/l	96
56) Ethyl methacrylate	10.882	69	157506	21.753	ug/l #	91
57) 1,3-Dichloropropane	11.171	76	181695	22.132	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	322572	90.557	ug/l	94
59) 2-Hexanone	11.200	43	419834	99.910	ug/l	94
60) Dibromochloromethane	11.365	129	113293	22.917	ug/l	99
61) 1,2-Dibromoethane	11.477	107	111768	23.395	ug/l	96
64) Tetrachloroethene	11.112	164	84721	20.701	ug/l	96
65) Chlorobenzene	11.894	112	287353	22.649	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	113919	25.950	ug/l	99
67) Ethyl Benzene	11.971	91	495825	21.808	ug/l	97
68) m/p-Xylenes	12.076	106	380122	44.124	ug/l	100
69) o-Xylene	12.406	106	197451	23.306	ug/l	97
70) Styrene	12.418	104	317786	23.612	ug/l	97
71) Bromoform	12.582	173	69874	23.927	ug/l #	100
73) Isopropylbenzene	12.700	105	494794	24.954	ug/l	99
74) N-amyl acetate	12.500	43	157528	21.494	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	153774	25.209	ug/l #	97
76) 1,2,3-Trichloropropane	12.994	75	121660m	21.119	ug/l	
77) Bromobenzene	12.988	156	112934	24.958	ug/l	98
78) n-propylbenzene	13.041	91	532055	22.761	ug/l	87
79) 2-Chlorotoluene	13.129	91	331176	23.742	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	386112	23.169	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	35869	19.903	ug/l #	80
82) 4-Chlorotoluene	13.229	91	296479	21.362	ug/l	95
83) tert-Butylbenzene	13.447	119	334777	23.012	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	407838	24.884	ug/l	98
85) sec-Butylbenzene	13.623	105	494852	23.934	ug/l	98
86) p-Isopropyltoluene	13.735	119	386333	23.438	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	197737	23.630	ug/l	93
88) 1,4-Dichlorobenzene	13.818	146	170389	20.519	ug/l	96
89) n-Butylbenzene	14.065	91	324682	21.416	ug/l	96
90) Hexachloroethane	14.335	117	66168	24.436	ug/l	99
91) 1,2-Dichlorobenzene	14.112	146	199433	25.511	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	24661	20.882	ug/l	87
93) 1,2,4-Trichlorobenzene	15.400	180	80580	17.639	ug/l #	86
94) Hexachlorobutadiene	15.506	225	37818	19.938	ug/l	100
95) Naphthalene	15.647	128	324986	20.668	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.847	180	88405	19.765	ug/l #	81

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

