

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077543.D
 Acq On : 01 May 2023 15:25
 Operator : JC\MD
 Sample : VN0501WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:02:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	554898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1039302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	934304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	375736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	314915	43.492	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.980%		
35) Dibromofluoromethane	8.172	113	278067	44.515	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.020%		
50) Toluene-d8	10.566	98	1050218	43.867	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.740%		
62) 4-Bromofluorobenzene	12.848	95	360282	45.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	135856	19.370	ug/l	96
3) Chloromethane	2.372	50	101815	18.304	ug/l	99
4) Vinyl Chloride	2.525	62	140676	18.985	ug/l	97
5) Bromomethane	2.966	94	126431	19.698	ug/l	98
6) Chloroethane	3.131	64	101190	17.975	ug/l	98
7) Trichlorofluoromethane	3.507	101	221489	20.337	ug/l	99
8) Diethyl Ether	3.966	74	80637	20.375	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.384	101	132738	20.957	ug/l	97
10) Methyl Iodide	4.601	142	144036	18.510	ug/l	92
11) Tert butyl alcohol	5.531	59	109237	93.975	ug/l	99
12) 1,1-Dichloroethene	4.354	96	117844	19.030	ug/l	96
13) Acrolein	4.190	56	104184	90.098	ug/l	99
14) Allyl chloride	5.025	41	134516	19.538	ug/l	97
15) Acrylonitrile	5.725	53	264403	100.268	ug/l	99
16) Acetone	4.437	43	242716	105.364	ug/l	94
17) Carbon Disulfide	4.725	76	269222	17.109	ug/l #	95
18) Methyl Acetate	5.037	43	180495	20.290	ug/l	97
19) Methyl tert-butyl Ether	5.801	73	432132	20.983	ug/l	99
20) Methylene Chloride	5.290	84	146374	20.037	ug/l	95
21) trans-1,2-Dichloroethene	5.795	96	130686	19.517	ug/l	91
22) Diisopropyl ether	6.684	45	317531	20.096	ug/l	96
23) Vinyl Acetate	6.613	43	947663	96.034	ug/l	99
24) 1,1-Dichloroethane	6.578	63	228374	20.418	ug/l	99
25) 2-Butanone	7.489	43	330004	101.003	ug/l	99
26) 2,2-Dichloropropane	7.495	77	218135	20.114	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	160826	20.280	ug/l	97
28) Bromochloromethane	7.819	49	76480	17.906	ug/l	88
29) Tetrahydrofuran	7.842	42	202273	98.809	ug/l	98
30) Chloroform	7.966	83	268657	21.313	ug/l	91
31) Cyclohexane	8.260	56	187053	18.236	ug/l	94
32) 1,1,1-Trichloroethane	8.172	97	241023	20.798	ug/l	99
36) 1,1-Dichloropropene	8.372	75	181757	20.140	ug/l	99
37) Ethyl Acetate	7.566	43	128936	18.802	ug/l	98
38) Carbon Tetrachloride	8.360	117	202165	20.304	ug/l	94
39) Methylcyclohexane	9.601	83	239730	20.162	ug/l	96
40) Benzene	8.613	78	556737	20.251	ug/l	99

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41) Methacrylonitrile	7.784	41	72157	20.202	ug/l	97
42) 1,2-Dichloroethane	8.678	62	195775	20.733	ug/l	100
43) Isopropyl Acetate	8.695	43	230661	19.442	ug/l	96
44) Trichloroethene	9.354	130	149348	21.217	ug/l	94
45) 1,2-Dichloropropane	9.625	63	133582	20.742	ug/l	97
46) Dibromomethane	9.713	93	106633	20.406	ug/l	97
47) Bromodichloromethane	9.889	83	212306	21.004	ug/l	97
48) Methyl methacrylate	9.683	41	102727	19.022	ug/l	96
49) 1,4-Dioxane	9.695	88	59221	437.193	ug/l	93
51) 4-Methyl-2-Pentanone	10.448	43	691725	99.405	ug/l	99
52) Toluene	10.630	92	384366	21.341	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	213249	20.835	ug/l	95
54) cis-1,3-Dichloropropene	10.313	75	235618	21.149	ug/l	96
55) 1,1,2-Trichloroethane	11.019	97	158475	21.881	ug/l	97
56) Ethyl methacrylate	10.877	69	209204	20.615	ug/l #	94
57) 1,3-Dichloropropane	11.166	76	246559	21.373	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	289340	84.293	ug/l	98
59) 2-Hexanone	11.195	43	499595	98.770	ug/l	97
60) Dibromochloromethane	11.360	129	155214	20.650	ug/l	99
61) 1,2-Dibromoethane	11.472	107	152853	20.672	ug/l	100
64) Tetrachloroethene	11.107	164	112542	20.123	ug/l	98
65) Chlorobenzene	11.895	112	407393	20.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	150596	20.936	ug/l	98
67) Ethyl Benzene	11.966	91	725929	20.858	ug/l	99
68) m/p-Xylenes	12.072	106	565507	41.807	ug/l	99
69) o-Xylene	12.401	106	285905	21.489	ug/l	98
70) Styrene	12.413	104	447759	21.519	ug/l	100
71) Bromoform	12.583	173	98695	20.972	ug/l #	99
73) Isopropylbenzene	12.701	105	722663	20.727	ug/l	99
74) N-amyl acetate	12.495	43	181178	17.552	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.942	83	221758	20.242	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	185356m	21.214	ug/l	
77) Bromobenzene	12.983	156	153919	20.255	ug/l	98
78) n-propylbenzene	13.036	91	803741	20.848	ug/l	100
79) 2-Chlorotoluene	13.124	91	486566	20.470	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	553625	21.381	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	57392	18.557	ug/l	98
82) 4-Chlorotoluene	13.224	91	459175	20.673	ug/l	99
83) tert-Butylbenzene	13.442	119	505391	20.099	ug/l	99
84) 1,2,4-Trimethylbenzene	13.489	105	505264	20.894	ug/l	99
85) sec-Butylbenzene	13.618	105	710200	20.577	ug/l	100
86) p-Isopropyltoluene	13.736	119	558257	21.022	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	279180	20.658	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	275776	20.668	ug/l	98
89) n-Butylbenzene	14.060	91	426525	20.754	ug/l	100
90) Hexachloroethane	14.336	117	107133	18.261	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	279389	20.844	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	39445	19.471	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	62039	19.357	ug/l	97
94) Hexachlorobutadiene	15.507	225	57033	21.057	ug/l	99
95) Naphthalene	15.642	128	231840	19.581	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	60139	19.874	ug/l	99

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

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