

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070182.D
 Acq On : 17 Dec 2021 23:51
 Operator : JC/MD
 Sample : VN1217WBS03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 18 06:01:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	960772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1606965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1466526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	596039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	820626	55.319	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.640%			
35) Dibromofluoromethane	8.021	113	558494	55.485	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.960%			
50) Toluene-d8	10.441	98	2154006	53.295	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.580%			
62) 4-Bromofluorobenzene	12.731	95	783284	53.495	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	193764	17.291	ug/l	98
3) Chloromethane	2.303	50	242511	17.274	ug/l	99
4) Vinyl Chloride	2.446	62	228854	17.728	ug/l	96
5) Bromomethane	2.853	94	132940	18.956	ug/l	99
6) Chloroethane	3.019	64	143102	18.090	ug/l	96
7) Trichlorofluoromethane	3.374	101	306281	18.078	ug/l	100
8) Diethyl Ether	3.824	74	140997	21.608	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.205	101	192660	20.286	ug/l	95
10) Methyl Iodide	4.417	142	236614	18.237	ug/l	98
11) Tert butyl alcohol	5.382	59	284222	101.361	ug/l #	87
12) 1,1-Dichloroethene	4.175	96	177732	19.421	ug/l	89
13) Acrolein	4.041	56	235681	98.698	ug/l	97
14) Allyl chloride	4.838	41	411595	19.959	ug/l #	91
15) Acrylonitrile	5.557	53	786531	104.095	ug/l	99
16) Acetone	4.291	43	751289	84.192	ug/l	97
17) Carbon Disulfide	4.527	76	379427	16.048	ug/l	99
18) Methyl Acetate	4.859	43	551040	20.458	ug/l	91
19) Methyl tert-butyl Ether	5.621	73	773871	21.747	ug/l	96
20) Methylene Chloride	5.093	84	233335	19.670	ug/l	86
21) trans-1,2-Dichloroethene	5.597	96	190202	19.135	ug/l	87
22) Diisopropyl ether	6.501	45	908777	22.546	ug/l #	92
23) Vinyl Acetate	6.436	43	3508211	106.983	ug/l	95
24) 1,1-Dichloroethane	6.388	63	438554	21.004	ug/l	97
25) 2-Butanone	7.340	43	1178334	97.186	ug/l	91
26) 2,2-Dichloropropane	7.324	77	284800	17.543	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	239283	19.924	ug/l	85
28) Bromochloromethane	7.657	49	183758	16.924	ug/l #	78
29) Tetrahydrofuran	7.689	42	777370	105.588	ug/l	88
30) Chloroform	7.820	83	448409	21.265	ug/l	99
31) Cyclohexane	8.094	56	398651	19.311	ug/l	89
32) 1,1,1-Trichloroethane	8.013	97	367135	20.439	ug/l	96
36) 1,1-Dichloropropene	8.223	75	302103	19.748	ug/l	96
37) Ethyl Acetate	7.415	43	458209	20.124	ug/l	95
38) Carbon Tetrachloride	8.206	117	288981	19.264	ug/l	98
39) Methylcyclohexane	9.459	83	339775	18.673	ug/l	89
40) Benzene	8.461	78	951680	20.353	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	230623	21.577	ug/l	90
42) 1,2-Dichloroethane	8.531	62	393988	20.873	ug/l	96
43) Isopropyl Acetate	8.563	43	715679	21.240	ug/l #	94
44) Trichloroethene	9.218	130	221567	19.853	ug/l	92
45) 1,2-Dichloropropane	9.491	63	263681	20.999	ug/l	100
46) Dibromomethane	9.580	93	168646	20.479	ug/l	93
47) Bromodichloromethane	9.762	83	326008	20.909	ug/l	100
48) Methyl methacrylate	9.561	41	327510	20.828	ug/l	88
49) 1,4-Dioxane	9.569	88	111174	394.036	ug/l #	83
51) 4-Methyl-2-Pentanone	10.331	43	2408004	110.164	ug/l	95
52) Toluene	10.505	92	587163	20.568	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	333822	19.598	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	366380	19.868	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	242668	21.068	ug/l	96
56) Ethyl methacrylate	10.762	69	408932	20.237	ug/l #	89
57) 1,3-Dichloropropane	11.044	76	431174	21.260	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	555439	106.067	ug/l	91
59) 2-Hexanone	11.084	43	1727383	104.467	ug/l	93
60) Dibromochloromethane	11.237	129	223728	19.643	ug/l	99
61) 1,2-Dibromoethane	11.347	107	240334	20.145	ug/l	100
64) Tetrachloroethene	10.977	164	203887	20.503	ug/l	95
65) Chlorobenzene	11.771	112	616807	20.732	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.841	131	224053	21.396	ug/l	98
67) Ethyl Benzene	11.846	91	1150403	21.287	ug/l	96
68) m/p-Xylenes	11.953	106	838802	42.628	ug/l	92
69) o-Xylene	12.280	106	418930	21.136	ug/l	90
70) Styrene	12.294	104	660986	21.031	ug/l	95
71) Bromoform	12.457	173	160133	19.634	ug/l #	99
73) Isopropylbenzene	12.578	105	1108747	20.908	ug/l	97
74) N-amyl acetate	12.388	43	482701	20.582	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	392860	21.423	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	357463m	20.913	ug/l	
77) Bromobenzene	12.860	156	252216	20.248	ug/l	76
78) n-propylbenzene	12.921	91	1207988	20.470	ug/l	96
79) 2-Chlorotoluene	13.007	91	776721	20.830	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	898240	21.044	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.626	75	85870	19.167	ug/l	89
82) 4-Chlorotoluene	13.104	91	719774	20.526	ug/l	92
83) tert-Butylbenzene	13.324	119	787229	20.829	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	875542	21.539	ug/l	97
85) sec-Butylbenzene	13.501	105	1060136	20.679	ug/l	97
86) p-Isopropyltoluene	13.616	119	826276	20.620	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	411791	20.123	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	394760	19.630	ug/l	95
89) n-Butylbenzene	13.943	91	630684	19.402	ug/l	97
90) Hexachloroethane	14.211	117	134700	19.146	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	412497	20.688	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	67545	20.384	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	181580	20.377	ug/l	98
94) Hexachlorobutadiene	15.370	225	111795	21.157	ug/l	98
95) Naphthalene	15.507	128	551977	21.425	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	185837	20.985	ug/l	98

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

