

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111721\
 Data File : VN069526.D
 Acq On : 17 Nov 2021 12:31
 Operator : JC/MD
 Sample : VN1117WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 18 07:10:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1094365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1783011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1619308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	694767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	792109	49.920	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.840%		
35) Dibromofluoromethane	8.021	113	557846	52.166	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.340%		
50) Toluene-d8	10.440	98	2157233	51.292	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.580%		
62) 4-Bromofluorobenzene	12.731	95	763653	49.425	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.075	85	218170	18.660	ug/l	96
3) Chloromethane	2.306	50	239450	17.660	ug/l	99
4) Vinyl Chloride	2.448	62	239459	17.638	ug/l	97
5) Bromomethane	2.864	94	149728	16.981	ug/l	100
6) Chloroethane	3.025	64	154378	16.846	ug/l	97
7) Trichlorofluoromethane	3.379	101	363855	17.341	ug/l	96
8) Diethyl Ether	3.824	74	127028	18.712	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.208	101	195593	19.789	ug/l	95
10) Methyl Iodide	4.419	142	222975	18.393	ug/l	97
11) Tert butyl alcohol	5.371	59	229928	80.414	ug/l	99
12) 1,1-Dichloroethene	4.183	96	167572	18.892	ug/l	91
13) Acrolein	4.044	56	40690	96.433	ug/l	95
14) Allyl chloride	4.840	41	356259	18.167	ug/l	97
15) Acrylonitrile	5.557	53	683116	93.294	ug/l	98
16) Acetone	4.288	43	780459	91.161	ug/l	98
17) Carbon Disulfide	4.529	76	317756	15.155	ug/l	99
18) Methyl Acetate	4.857	43	501750	18.029	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	733989	19.553	ug/l	95
20) Methylene Chloride	5.095	84	222765	18.349	ug/l	86
21) trans-1,2-Dichloroethene	5.599	96	188216	18.998	ug/l	89
22) Diisopropyl ether	6.495	45	838034	19.839	ug/l	96
23) Vinyl Acetate	6.434	43	3122527	95.572	ug/l	95
24) 1,1-Dichloroethane	6.388	63	416441	19.355	ug/l	98
25) 2-Butanone	7.337	43	1050310	90.601	ug/l	92
26) 2,2-Dichloropropane	7.327	77	309718	18.398	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	239138	19.472	ug/l	88
28) Bromochloromethane	7.659	49	214448	19.462	ug/l #	81
29) Tetrahydrofuran	7.686	42	650514	91.439	ug/l	90
30) Chloroform	7.817	83	436563	19.792	ug/l	98
31) Cyclohexane	8.094	56	394064	18.178	ug/l	91
32) 1,1,1-Trichloroethane	8.013	97	352502	19.145	ug/l	96
36) 1,1-Dichloropropene	8.222	75	299670	19.974	ug/l	97
37) Ethyl Acetate	7.412	43	401545	19.799	ug/l #	94
38) Carbon Tetrachloride	8.206	117	286722	19.795	ug/l	99
39) Methylcyclohexane	9.459	83	356410	19.097	ug/l	91
40) Benzene	8.458	78	937625	20.247	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	203293	19.400	ug/l	90
42) 1,2-Dichloroethane	8.531	62	377280	20.807	ug/l	97
43) Isopropyl Acetate	8.560	43	631917	19.399	ug/l	94
44) Trichloroethene	9.217	130	221315	19.969	ug/l	94
45) 1,2-Dichloropropane	9.488	63	256710	20.749	ug/l	99
46) Dibromomethane	9.577	93	166651	20.110	ug/l	92
47) Bromodichloromethane	9.762	83	314839	20.359	ug/l	100
48) Methyl methacrylate	9.561	41	289024	18.858	ug/l	91
49) 1,4-Dioxane	9.569	88	98036	349.230	ug/l	86
51) 4-Methyl-2-Pentanone	10.330	43	2060742	98.007	ug/l	95
52) Toluene	10.505	92	584069	20.245	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	303879	17.776	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	346593	18.432	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	239855	20.625	ug/l	97
56) Ethyl methacrylate	10.760	69	373701	18.404	ug/l	86
57) 1,3-Dichloropropane	11.044	76	413551	20.237	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	363507	81.401	ug/l	93
59) 2-Hexanone	11.084	43	1437907	86.362	ug/l	93
60) Dibromochloromethane	11.237	129	214508	18.410	ug/l	99
61) 1,2-Dibromoethane	11.344	107	235064	18.792	ug/l	100
64) Tetrachloroethene	10.977	164	204786	20.944	ug/l	95
65) Chlorobenzene	11.771	112	614922	20.402	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.840	131	219200	20.967	ug/l	99
67) Ethyl Benzene	11.843	91	1133176	20.385	ug/l	95
68) m/p-Xylenes	11.953	106	833799	40.782	ug/l	93
69) o-Xylene	12.280	106	416570	20.438	ug/l	94
70) Styrene	12.294	104	664881	19.136	ug/l	96
71) Bromoform	12.457	173	139865	17.779	ug/l #	100
73) Isopropylbenzene	12.578	105	1105517	19.985	ug/l	97
74) N-amyl acetate	12.388	43	422408	18.018	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	369914	19.827	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	325961m	20.330	ug/l	
77) Bromobenzene	12.860	156	251383	19.870	ug/l	81
78) n-propylbenzene	12.921	91	1247654	20.044	ug/l	96
79) 2-Chlorotoluene	13.007	91	766761	19.895	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	900178	20.129	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	73013	17.773	ug/l #	80
82) 4-Chlorotoluene	13.104	91	731456	19.909	ug/l	94
83) tert-Butylbenzene	13.324	119	798089	20.365	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	872291	20.205	ug/l	98
85) sec-Butylbenzene	13.501	105	1087232	19.860	ug/l	98
86) p-Isopropyltoluene	13.616	119	870974	20.042	ug/l	98
87) 1,3-Dichlorobenzene	13.616	146	434790	19.823	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	424116	19.710	ug/l	97
89) n-Butylbenzene	13.943	91	674547	18.613	ug/l	98
90) Hexachloroethane	14.211	117	132843	18.073	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	427186	20.467	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	57253	17.709	ug/l	79
93) 1,2,4-Trichlorobenzene	15.263	180	169664	17.662	ug/l	98
94) Hexachlorobutadiene	15.370	225	114171	21.053	ug/l	98
95) Naphthalene	15.507	128	404788	16.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	161169	17.604	ug/l	97

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

