

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061421\
 Data File : VN067328.D
 Acq On : 14 Jun 2021 18:25
 Operator : JC/MD
 Sample : M2262-07 .5PPB LOD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:16:10 PM

Quant Time: Jun 15 04:41:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 04:39:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	342355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	669557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	601371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	232142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	344659	51.032	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.060%			
35) Dibromofluoromethane	8.024	113	222900	50.055	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.120%			
50) Toluene-d8	10.443	98	827928	48.508	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.020%			
62) 4-Bromofluorobenzene	12.736	95	322825	45.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.660%			
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.067	85	1985	0.395	ug/l	81
3) Chloromethane	2.301	50	3194	0.615	ug/l	95
4) Vinyl Chloride	2.440	62	2462	0.483	ug/l #	87
5) Bromomethane	2.856	94	2150	0.995	ug/l	96
6) Chloroethane	3.017	64	1671	0.534	ug/l #	77
7) Trichlorofluoromethane	3.368	101	3438	0.486	ug/l #	78
8) Diethyl Ether	3.808	74	1339m	0.465	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.205	101	1978m	0.465	ug/l	
10) Methyl Iodide	4.409	142	1697m	0.454	ug/l	
11) Tert butyl alcohol	5.377	59	2994m	2.693	ug/l	
12) 1,1-Dichloroethene	4.189	96	2072m	0.505	ug/l	
13) Acrolein	4.041	56	3374	4.862	ug/l #	52
14) Allyl chloride	4.835	41	5970m	0.655	ug/l	
15) Acrylonitrile	5.565	53	5648m	2.314	ug/l	
16) Acetone	4.299	43	9015	3.478	ug/l	97
17) Carbon Disulfide	4.519	76	7695	0.580	ug/l #	89
18) Methyl Acetate	4.867	43	5873m	0.935	ug/l	
19) Methyl tert-butyl Ether	5.621	73	7531	0.457	ug/l #	88
20) Methylene Chloride	5.095	84	4074m	0.755	ug/l	
21) trans-1,2-Dichloroethene	5.597	96	2132m	0.469	ug/l	
22) Diisopropyl ether	6.506	45	7354m	0.437	ug/l	
23) Vinyl Acetate	6.436	43	33442	2.170	ug/l	95
24) 1,1-Dichloroethane	6.388	63	4353	0.461	ug/l #	85
25) 2-Butanone	7.361	43	10427m	2.815	ug/l	
26) 2,2-Dichloropropane	7.327	77	5312	0.556	ug/l	80
27) cis-1,2-Dichloroethene	7.327	96	2795	0.522	ug/l	41
28) Bromochloromethane	7.659	49	2063	0.470	ug/l #	68
29) Tetrahydrofuran	7.713	42	5772	2.472	ug/l #	76
30) Chloroform	7.820	83	4785	0.483	ug/l	97
31) Cyclohexane	8.086	56	14573	1.587	ug/l #	47
32) 1,1,1-Trichloroethane	8.019	97	4403	0.484	ug/l #	48
36) 1,1-Dichloropropene	8.217	75	3504m	0.467	ug/l	
37) Ethyl Acetate	7.426	43	5468m	0.688	ug/l	
38) Carbon Tetrachloride	8.204	117	4047	0.502	ug/l	98
39) Methylcyclohexane	9.461	83	3553	0.447	ug/l #	81
40) Benzene	8.464	78	9568	0.457	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.648	41	3044m	0.736	ug/l	
42) 1,2-Dichloroethane	8.531	62	4820	0.544	ug/l	84
43) Isopropyl Acetate	8.566	43	6427	0.450	ug/l #	71
44) Trichloroethene	9.215	130	2119	0.433	ug/l	74
45) 1,2-Dichloropropane	9.494	63	2746	0.491	ug/l	94
46) Dibromomethane	9.582	93	1960	0.516	ug/l	88
47) Bromodichloromethane	9.762	83	3671	0.430	ug/l #	87
48) Methyl methacrylate	9.563	41	3546	0.545	ug/l #	80
49) 1,4-Dioxane	9.579	88	775	8.700	ug/l #	82
51) 4-Methyl-2-Pentanone	10.336	43	18453	2.245	ug/l	99
52) Toluene	10.513	92	5884	0.447	ug/l	100
53) t-1,3-Dichloropropene	10.722	75	4214	0.446	ug/l	97
54) cis-1,3-Dichloropropene	10.194	75	4308	0.451	ug/l #	85
55) 1,1,2-Trichloroethane	10.902	97	2231	0.438	ug/l	88
56) Ethyl methacrylate	10.762	69	4038	0.441	ug/l	89
57) 1,3-Dichloropropane	11.052	76	3828m	0.411	ug/l	
58) 2-Chloroethyl Vinyl ether	10.043	63	4887	1.834	ug/l	92
59) 2-Hexanone	11.089	43	13701	2.276	ug/l	98
60) Dibromochloromethane	11.242	129	2483	0.446	ug/l	94
61) 1,2-Dibromoethane	11.352	107	2571	0.482	ug/l	86
64) Tetrachloroethene	10.982	164	2015	0.472	ug/l	91
65) Chlorobenzene	11.776	112	6024	0.460	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.846	131	2060	0.423	ug/l #	63
67) Ethyl Benzene	11.848	91	11804	0.456	ug/l	91
68) m/p-Xylenes	11.961	106	8275	0.900	ug/l	99
69) o-Xylene	12.291	106	4064	0.452	ug/l	99
70) Styrene	12.299	104	6560	0.439	ug/l	95
71) Bromoform	12.463	173	1399	0.376	ug/l #	78
73) Isopropylbenzene	12.583	105	10989	0.493	ug/l	99
74) N-amyl acetate	12.393	43	5580	0.513	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.830	83	3314	0.499	ug/l	94
76) 1,2,3-Trichloropropane	12.886	75	2965m	0.492	ug/l	
77) Bromobenzene	12.865	156	2232	0.492	ug/l	89
78) n-propylbenzene	12.924	91	12629	0.477	ug/l	100
79) 2-Chlorotoluene	13.015	91	8286	0.502	ug/l	95
80) 1,3,5-Trimethylbenzene	13.063	105	9318	0.497	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.629	75	953m	0.392	ug/l	
82) 4-Chlorotoluene	13.114	91	9171	0.558	ug/l	94
83) tert-Butylbenzene	13.329	119	7456	0.499	ug/l	97
84) 1,2,4-Trimethylbenzene	13.372	105	9100	0.491	ug/l	100
85) sec-Butylbenzene	13.506	105	9921	0.469	ug/l	99
86) p-Isopropyltoluene	13.618	119	8086	0.474	ug/l	93
87) 1,3-Dichlorobenzene	13.616	146	4183	0.511	ug/l	90
88) 1,4-Dichlorobenzene	13.699	146	4165m	0.506	ug/l	
89) n-Butylbenzene	13.946	91	8120	0.506	ug/l	97
90) Hexachloroethane	14.222	117	1239m	0.371	ug/l	
91) 1,2-Dichlorobenzene	13.994	146	4030	0.519	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.605	75	785m	0.473	ug/l	
93) 1,2,4-Trichlorobenzene	15.273	180	2149	0.530	ug/l	91
94) Hexachlorobutadiene	15.373	225	1184	0.509	ug/l #	70
95) Naphthalene	15.512	128	8332	0.675	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.710	180	2568	0.660	ug/l	82

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

