

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
 Data File : VN067658.D
 Acq On : 8 Jul 2021 12:52
 Operator : JC/MD
 Sample : M2940-07 .75PPB LOD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:43:20 PM

Quant Time: Jul 09 04:51:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 09 04:50:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	322171	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	608077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	562277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	208274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	263410	54.099	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.200%			
35) Dibromofluoromethane	8.024	113	180171	49.041	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.080%			
50) Toluene-d8	10.443	98	749869	48.763	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.520%			
62) 4-Bromofluorobenzene	12.734	95	243709	44.863	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.720%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	1798	0.657	ug/l	100
3) Chloromethane	2.303	50	3298	0.760	ug/l	91
4) Vinyl Chloride	2.443	62	4551	0.695	ug/l	97
5) Bromomethane	2.869	94	6222m	1.152	ug/l	
6) Chloroethane	3.022	64	3803m	0.784	ug/l	
7) Trichlorofluoromethane	3.376	101	8186	0.674	ug/l	94
8) Diethyl Ether	3.821	74	1411m	0.541	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.210	101	1968	0.659	ug/l #	40
10) Methyl Iodide	4.419	142	2033	0.572	ug/l #	66
11) Tert butyl alcohol	5.380	59	2186m	3.124	ug/l	
12) 1,1-Dichloroethene	4.167	96	1836m	0.641	ug/l	
13) Acrolein	4.041	56	1841	4.899	ug/l #	72
14) Allyl chloride	4.832	41	3497	0.664	ug/l #	88
15) Acrylonitrile	5.570	53	5414	3.120	ug/l #	55
16) Acetone	4.296	43	6768	4.418	ug/l	99
17) Carbon Disulfide	4.524	76	5623	0.709	ug/l #	93
18) Methyl Acetate	4.862	43	3509m	0.815	ug/l	
19) Methyl tert-butyl Ether	5.624	73	7396m	0.623	ug/l	
20) Methylene Chloride	5.098	84	5791	1.429	ug/l #	82
21) trans-1,2-Dichloroethene	5.594	96	2057m	0.607	ug/l	
22) Diisopropyl ether	6.498	45	7031m	0.588	ug/l	
23) Vinyl Acetate	6.439	43	28737m	2.813	ug/l	
24) 1,1-Dichloroethane	6.383	63	4265m	0.640	ug/l	
25) 2-Butanone	7.348	43	8685	3.414	ug/l	95
26) 2,2-Dichloropropane	7.329	77	3855	0.662	ug/l	91
27) cis-1,2-Dichloroethene	7.327	96	2486m	0.587	ug/l	
28) Bromochloromethane	7.651	49	1947m	0.599	ug/l	
29) Tetrahydrofuran	7.699	42	5433	3.247	ug/l #	61
30) Chloroform	7.826	83	5284	0.706	ug/l #	78
31) Cyclohexane	8.086	56	12943	1.896	ug/l #	39
32) 1,1,1-Trichloroethane	8.013	97	3614	0.557	ug/l #	31
36) 1,1-Dichloropropene	8.222	75	3761	0.666	ug/l	83
37) Ethyl Acetate	7.418	43	4011m	0.733	ug/l	
38) Carbon Tetrachloride	8.212	117	3661	0.657	ug/l #	80
39) Methylcyclohexane	9.459	83	3786	0.612	ug/l	93
40) Benzene	8.461	78	10079	0.596	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.649	41	1655	0.588	ug/l #	76
42) 1,2-Dichloroethane	8.536	62	4706	0.749	ug/l	87
43) Isopropyl Acetate	8.571	43	5618	0.584	ug/l #	79
44) Trichloroethene	9.217	130	2385	0.556	ug/l	90
45) 1,2-Dichloropropane	9.494	63	2743	0.641	ug/l #	84
46) Dibromomethane	9.585	93	1953	0.643	ug/l	90
47) Bromodichloromethane	9.765	83	3353	0.565	ug/l #	95
48) Methyl methacrylate	9.563	41	3149	0.740	ug/l #	87
49) 1,4-Dioxane	9.574	88	743m	10.068	ug/l	
51) 4-Methyl-2-Pentanone	10.333	43	17715	2.995	ug/l	95
52) Toluene	10.507	92	6915	0.624	ug/l	97
53) t-1,3-Dichloropropene	10.722	75	2949	0.484	ug/l	94
54) cis-1,3-Dichloropropene	10.194	75	3373	0.511	ug/l	97
55) 1,1,2-Trichloroethane	10.904	97	2357	0.555	ug/l #	83
56) Ethyl methacrylate	10.762	69	3458	0.529	ug/l	94
57) 1,3-Dichloropropane	11.044	76	4043	0.555	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.044	63	2902	2.140	ug/l	96
59) 2-Hexanone	11.089	43	12273	2.973	ug/l	97
60) Dibromochloromethane	11.237	129	2208m	0.512	ug/l	
61) 1,2-Dibromoethane	11.347	107	2265	0.523	ug/l	95
64) Tetrachloroethene	10.982	164	2469	0.622	ug/l #	76
65) Chlorobenzene	11.773	112	6633	0.574	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.848	131	2129	0.524	ug/l #	63
67) Ethyl Benzene	11.848	91	11793	0.561	ug/l	99
68) m/p-Xylenes	11.953	106	8278	1.041	ug/l	98
69) o-Xylene	12.286	106	4133	0.529	ug/l	94
70) Styrene	12.294	104	6554	0.524	ug/l	91
71) Bromoform	12.465	173	1028	0.375	ug/l #	90
73) Isopropylbenzene	12.583	105	10419	0.620	ug/l	94
74) N-amyl acetate	12.396	43	3787	0.621	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.830	83	3401	0.697	ug/l #	92
76) 1,2,3-Trichloropropane	12.884	75	3347m	0.787	ug/l	
77) Bromobenzene	12.868	156	2410	0.648	ug/l	86
78) n-propylbenzene	12.921	91	12257	0.645	ug/l	97
79) 2-Chlorotoluene	13.012	91	7620	0.664	ug/l	88
80) 1,3,5-Trimethylbenzene	13.063	105	8321	0.611	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.632	75	541m	0.410	ug/l	
82) 4-Chlorotoluene	13.112	91	7673	0.675	ug/l	95
83) tert-Butylbenzene	13.326	119	7504	0.646	ug/l	88
84) 1,2,4-Trimethylbenzene	13.372	105	8532	0.639	ug/l	100
85) sec-Butylbenzene	13.506	105	9998	0.622	ug/l	97
86) p-Isopropyltoluene	13.621	119	7716	0.595	ug/l	98
87) 1,3-Dichlorobenzene	13.616	146	4083	0.592	ug/l	90
88) 1,4-Dichlorobenzene	13.699	146	4625m	0.655	ug/l	
89) n-Butylbenzene	13.943	91	6860	0.617	ug/l	97
90) Hexachloroethane	14.214	117	1179	0.547	ug/l	72
91) 1,2-Dichlorobenzene	13.994	146	4337	0.651	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.608	75	487	0.575	ug/l	85
93) 1,2,4-Trichlorobenzene	15.263	180	1676m	0.584	ug/l	
94) Hexachlorobutadiene	15.381	225	699	0.499	ug/l	85
95) Naphthalene	15.509	128	5978	0.740	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.705	180	2079	0.751	ug/l	82

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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7/9/2021 5:43:20 PM

Abundance

TIC: VN067658.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, I
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
1,1-Dichloroethane, T
Acetone, T
Carbon Disulfide, T
Methyl Acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acetylene, T
1,1-Dichloroethane, P
Diisopropyl ether, I
Ethyl Acetate, T
1,1-Dichloroethane, T
Bromochloromethane, T
Chloroform, C
Carbonyl sulfide, T
1,1,1-Trichloroethane, S
Benzene, TM
1,2-Dichloroethane-d4, S
1,2-Dichloroethane, T
1,4-Difluorobenzene, I
Trichloroethene, TM
Methyl Chloride, C
Bromodichloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanone, T
Toluene, CM
1,2-Dichloroethane, T
1,1,2-Trichloroethane, T
1,1,2,2-Tetrachloroethane, T
1,2-Dibromoethane, T
Toluene, PM
Ethyl Chloride, T
Benzene, T
Benzonitrile, T
Toluene, T
1,2-Dichlorobenzene, P
1,2-Dichlorobenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, I
Naphthalene, I
1,2,3-Trichlorobenzene, T