

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
 Data File : VN067780.D
 Acq On : 16 Jul 2021 18:11
 Operator : JC/MD
 Sample : M2940-07 .5PPB LOD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:54:02 PM

Quant Time: Jul 17 06:08:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 17 06:07:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	349702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	652745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	585919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	222001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	274868	52.008	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.020%			
35) Dibromofluoromethane	8.024	113	200060	50.729	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.460%			
50) Toluene-d8	10.443	98	773638	46.866	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 93.740%			
62) 4-Bromofluorobenzene	12.733	95	248354	42.589	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	1669	0.562	ug/l	92
3) Chloromethane	2.303	50	3157	0.671	ug/l	98
4) Vinyl Chloride	2.443	62	4063	0.572	ug/l	96
5) Bromomethane	2.866	94	4892	0.834	ug/l	95
6) Chloroethane	3.019	64	3070	0.583	ug/l #	53
7) Trichlorofluoromethane	3.376	101	7176	0.544	ug/l	96
8) Diethyl Ether	3.816	74	2570	0.909	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.207	101	1765m	0.545	ug/l	
10) Methyl Iodide	4.406	142	2098m	0.543	ug/l	
11) Tert butyl alcohol	5.393	59	2533m	3.335	ug/l	
12) 1,1-Dichloroethene	4.178	96	1650m	0.531	ug/l	
13) Acrolein	4.038	56	1398	3.428	ug/l #	59
14) Allyl chloride	4.840	41	3503m	0.613	ug/l	
15) Acrylonitrile	5.573	53	4897m	2.600	ug/l	
16) Acetone	4.291	43	6484	3.899	ug/l #	82
17) Carbon Disulfide	4.524	76	4891	0.568	ug/l	97
18) Methyl Acetate	4.862	43	3333	0.714	ug/l #	76
19) Methyl tert-butyl Ether	5.618	73	6205m	0.482	ug/l	
20) Methylene Chloride	5.087	84	5739m	1.305	ug/l	
21) trans-1,2-Dichloroethene	5.597	96	1846m	0.502	ug/l	
22) Diisopropyl ether	6.503	45	6008m	0.463	ug/l	
23) Vinyl Acetate	6.447	43	24891m	2.245	ug/l	
24) 1,1-Dichloroethane	6.391	63	3677m	0.509	ug/l	
25) 2-Butanone	7.351	43	9046	3.276	ug/l #	85
26) 2,2-Dichloropropane	7.329	77	4751	0.752	ug/l #	66
27) cis-1,2-Dichloroethene	7.321	96	2368m	0.515	ug/l	
28) Bromochloromethane	7.654	49	1429	0.405	ug/l #	81
29) Tetrahydrofuran	7.705	42	4624	2.546	ug/l #	78
30) Chloroform	7.825	83	4184m	0.515	ug/l	
31) Cyclohexane	8.086	56	12675	1.710	ug/l #	39
32) 1,1,1-Trichloroethane	8.010	97	3528m	0.501	ug/l	
36) 1,1-Dichloropropene	8.222	75	3192	0.526	ug/l #	86
37) Ethyl Acetate	7.423	43	3265m	0.556	ug/l	
38) Carbon Tetrachloride	8.204	117	3131	0.524	ug/l #	81
39) Methylcyclohexane	9.459	83	3235	0.487	ug/l	96
40) Benzene	8.464	78	8856	0.488	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	1356m	0.449	ug/l	
42) 1,2-Dichloroethane	8.531	62	3971	0.589	ug/l	88
43) Isopropyl Acetate	8.566	43	4956	0.480	ug/l #	85
44) Trichloroethene	9.215	130	2251	0.489	ug/l	77
45) 1,2-Dichloropropane	9.488	63	2377	0.517	ug/l #	81
46) Dibromomethane	9.582	93	1557	0.478	ug/l #	80
47) Bromodichloromethane	9.770	83	3164	0.496	ug/l #	80
48) Methyl methacrylate	9.569	41	2370	0.519	ug/l #	70
49) 1,4-Dioxane	9.571	88	794m	10.023	ug/l	
51) 4-Methyl-2-Pentanone	10.333	43	14357	2.261	ug/l	99
52) Toluene	10.505	92	6039	0.508	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	2476	0.378	ug/l	98
54) cis-1,3-Dichloropropene	10.191	75	2828	0.399	ug/l	96
55) 1,1,2-Trichloroethane	10.907	97	2149	0.472	ug/l	96
56) Ethyl methacrylate	10.765	69	3192	0.455	ug/l	95
57) 1,3-Dichloropropane	11.049	76	3469	0.444	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.041	63	2991	2.055	ug/l	95
59) 2-Hexanone	11.089	43	10065	2.271	ug/l	93
60) Dibromochloromethane	11.242	129	1669	0.361	ug/l	92
61) 1,2-Dibromoethane	11.349	107	1912	0.411	ug/l	83
64) Tetrachloroethene	10.979	164	2249	0.544	ug/l #	84
65) Chlorobenzene	11.771	112	5984	0.497	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	2049	0.484	ug/l #	58
67) Ethyl Benzene	11.846	91	10646	0.486	ug/l	93
68) m/p-Xylenes	11.956	106	7572	0.914	ug/l	92
69) o-Xylene	12.285	106	3612	0.443	ug/l	90
70) Styrene	12.299	104	5464	0.419	ug/l	91
71) Bromoform	12.460	173	982	0.344	ug/l #	95
73) Isopropylbenzene	12.578	105	9125	0.509	ug/l	97
74) N-amyl acetate	12.393	43	3341	0.514	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.830	83	3143	0.605	ug/l	95
76) 1,2,3-Trichloropropane	12.894	75	1965m	0.433	ug/l	
77) Bromobenzene	12.859	156	2335m	0.589	ug/l	
78) n-propylbenzene	12.924	91	10771	0.532	ug/l	97
79) 2-Chlorotoluene	13.010	91	7211	0.589	ug/l	99
80) 1,3,5-Trimethylbenzene	13.058	105	7206	0.497	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.626	75	324m	0.230	ug/l	
82) 4-Chlorotoluene	13.106	91	6667	0.550	ug/l	96
83) tert-Butylbenzene	13.329	119	6502	0.525	ug/l	90
84) 1,2,4-Trimethylbenzene	13.369	105	7950	0.559	ug/l	96
85) sec-Butylbenzene	13.506	105	9162	0.535	ug/l	95
86) p-Isopropyltoluene	13.616	119	7748	0.561	ug/l	96
87) 1,3-Dichlorobenzene	13.618	146	3764	0.512	ug/l	98
88) 1,4-Dichlorobenzene	13.696	146	4047m	0.537	ug/l	
89) n-Butylbenzene	13.946	91	6696	0.565	ug/l	94
90) Hexachloroethane	14.211	117	949	0.413	ug/l	85
91) 1,2-Dichlorobenzene	13.986	146	4206	0.592	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.600	75	581	0.643	ug/l	83
93) 1,2,4-Trichlorobenzene	15.265	180	1829	0.598	ug/l	92
94) Hexachlorobutadiene	15.367	225	718m	0.481	ug/l	
95) Naphthalene	15.512	128	7336	0.852	ug/l	96
96) 1,2,3-Trichlorobenzene	15.702	180	1847	0.626	ug/l	87

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

