

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
 Data File : VN067659.D
 Acq On : 8 Jul 2021 13:16
 Operator : JC/MD
 Sample : M2940-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:43:18 PM

Quant Time: Jul 09 04:52:35 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	8.086	168	330910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	632383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	587463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	226160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	269328	53.854	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.700%			
35) Dibromofluoromethane	8.024	113	186655	48.854	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.700%			
50) Toluene-d8	10.443	98	786674	49.190	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.380%			
62) 4-Bromofluorobenzene	12.733	95	249128	44.098	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.070	85	7540	2.681	ug/l	100
3) Chloromethane	2.301	50	11920	2.676	ug/l	97
4) Vinyl Chloride	2.443	62	17789	2.646	ug/l	95
5) Bromomethane	2.845	94	17286	3.116	ug/l	98
6) Chloroethane	3.014	64	14149	2.840	ug/l	93
7) Trichlorofluoromethane	3.368	101	34735	2.784	ug/l	93
8) Diethyl Ether	3.821	74	5833	2.179	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.205	101	8151	2.658	ug/l	92
10) Methyl Iodide	4.411	142	8040m	2.201	ug/l	
11) Tert butyl alcohol	5.387	59	9436	13.130	ug/l #	81
12) 1,1-Dichloroethene	4.164	96	8044	2.734	ug/l #	73
13) Acrolein	4.041	56	6526	16.909	ug/l	100
14) Allyl chloride	4.843	41	14313m	2.646	ug/l	
15) Acrylonitrile	5.556	53	22384	12.558	ug/l #	87
16) Acetone	4.291	43	21356	13.571	ug/l	97
17) Carbon Disulfide	4.516	76	20255	2.485	ug/l	99
18) Methyl Acetate	4.867	43	12141	2.747	ug/l #	79
19) Methyl tert-butyl Ether	5.618	73	30709	2.519	ug/l	96
20) Methylene Chloride	5.098	84	13307	3.198	ug/l	88
21) trans-1,2-Dichloroethene	5.599	96	9456	2.718	ug/l	89
22) Diisopropyl ether	6.503	45	30562	2.490	ug/l #	94
23) Vinyl Acetate	6.439	43	122963	11.718	ug/l	99
24) 1,1-Dichloroethane	6.385	63	18135	2.650	ug/l	98
25) 2-Butanone	7.348	43	32788	12.548	ug/l	93
26) 2,2-Dichloropropane	7.324	77	15456	2.585	ug/l #	77
27) cis-1,2-Dichloroethene	7.329	96	10712	2.461	ug/l	89
28) Bromochloromethane	7.659	49	8972	2.687	ug/l #	58
29) Tetrahydrofuran	7.697	42	21316	12.405	ug/l	96
30) Chloroform	7.817	83	19735	2.568	ug/l	98
31) Cyclohexane	8.091	56	25591	3.649	ug/l #	69
32) 1,1,1-Trichloroethane	8.016	97	15875	2.382	ug/l	97
36) 1,1-Dichloropropene	8.220	75	14306	2.435	ug/l #	85
37) Ethyl Acetate	7.423	43	13620	2.393	ug/l #	96
38) Carbon Tetrachloride	8.206	117	12965	2.238	ug/l	94
39) Methylcyclohexane	9.461	83	15168	2.359	ug/l	87
40) Benzene	8.461	78	40392	2.297	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.643	41	6730	2.301	ug/l #	82
42) 1,2-Dichloroethane	8.531	62	17210	2.636	ug/l	98
43) Isopropyl Acetate	8.566	43	23259	2.323	ug/l	97
44) Trichloroethene	9.217	130	10420	2.335	ug/l	90
45) 1,2-Dichloropropane	9.491	63	10037	2.255	ug/l	94
46) Dibromomethane	9.579	93	7096	2.246	ug/l	93
47) Bromodichloromethane	9.764	83	13360	2.163	ug/l	97
48) Methyl methacrylate	9.566	41	10278	2.321	ug/l	97
49) 1,4-Dioxane	9.577	88	3823	49.812	ug/l #	35
51) 4-Methyl-2-Pentanone	10.336	43	71481	11.621	ug/l	99
52) Toluene	10.507	92	27596	2.396	ug/l	98
53) t-1,3-Dichloropropene	10.722	75	14025	2.213	ug/l	92
54) cis-1,3-Dichloropropene	10.191	75	15444	2.249	ug/l	94
55) 1,1,2-Trichloroethane	10.902	97	10554	2.391	ug/l	94
56) Ethyl methacrylate	10.765	69	14074	2.070	ug/l	98
57) 1,3-Dichloropropane	11.046	76	17346	2.292	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.046	63	13413	9.512	ug/l	97
59) 2-Hexanone	11.089	43	49654	11.565	ug/l	100
60) Dibromochloromethane	11.242	129	8937	1.994	ug/l	99
61) 1,2-Dibromoethane	11.349	107	9675	2.147	ug/l	94
64) Tetrachloroethene	10.982	164	10825	2.610	ug/l	91
65) Chlorobenzene	11.773	112	28375	2.352	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.843	131	9404	2.216	ug/l	98
67) Ethyl Benzene	11.848	91	52031	2.369	ug/l	96
68) m/p-Xylenes	11.958	106	36657	4.412	ug/l	88
69) o-Xylene	12.283	106	17642	2.160	ug/l	90
70) Styrene	12.296	104	27926	2.137	ug/l	93
71) Bromoform	12.457	173	4944	1.725	ug/l #	100
73) Isopropylbenzene	12.581	105	45421	2.489	ug/l	99
74) N-amyl acetate	12.390	43	15822	2.390	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.827	83	13746	2.596	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	12162m	2.633	ug/l	
77) Bromobenzene	12.865	156	10474	2.593	ug/l	77
78) n-propylbenzene	12.924	91	51283	2.485	ug/l	97
79) 2-Chlorotoluene	13.012	91	31427	2.520	ug/l	95
80) 1,3,5-Trimethylbenzene	13.063	105	35396	2.394	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.626	75	2562m	1.788	ug/l	
82) 4-Chlorotoluene	13.109	91	30351	2.460	ug/l	93
83) tert-Butylbenzene	13.326	119	30852	2.447	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	33596	2.319	ug/l	95
85) sec-Butylbenzene	13.506	105	42404	2.430	ug/l	100
86) p-Isopropyltoluene	13.618	119	31089	2.208	ug/l	96
87) 1,3-Dichlorobenzene	13.618	146	18085	2.414	ug/l	96
88) 1,4-Dichlorobenzene	13.699	146	18688	2.436	ug/l	90
89) n-Butylbenzene	13.946	91	28419	2.353	ug/l	99
90) Hexachloroethane	14.214	117	5081	2.172	ug/l	89
91) 1,2-Dichlorobenzene	13.991	146	17498	2.419	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.605	75	1924	2.092	ug/l	80
93) 1,2,4-Trichlorobenzene	15.268	180	6408	2.058	ug/l	96
94) Hexachlorobutadiene	15.372	225	3728	2.453	ug/l	99
95) Naphthalene	15.509	128	16857	1.921	ug/l	99
96) 1,2,3-Trichlorobenzene	15.708	180	6414	2.133	ug/l	96

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

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