

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
 Data File : VN067781.D
 Acq On : 16 Jul 2021 18:36
 Operator : JC/MD
 Sample : M2940-07 .75PPB LOD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:54:05 PM

Quant Time: Jul 17 06:08:49 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	8.086	168	333878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	619048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	560849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	218356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	273475	54.197	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.400%			
35) Dibromofluoromethane	8.024	113	194808	52.086	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.180%			
50) Toluene-d8	10.443	98	757305	48.374	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.733	95	242873	43.917	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	2050	0.722	ug/l	83
3) Chloromethane	2.303	50	3356	0.747	ug/l	98
4) Vinyl Chloride	2.445	62	4948	0.729	ug/l	97
5) Bromomethane	2.869	94	5537m	0.989	ug/l	
6) Chloroethane	3.025	64	4005	0.797	ug/l	98
7) Trichlorofluoromethane	3.373	101	8145	0.647	ug/l	86
8) Diethyl Ether	3.821	74	3063	1.134	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.194	101	2317m	0.749	ug/l	
10) Methyl Iodide	4.414	142	2297m	0.623	ug/l	
11) Tert butyl alcohol	5.390	59	2908m	4.010	ug/l	
12) 1,1-Dichloroethene	4.183	96	2157m	0.727	ug/l	
13) Acrolein	4.041	56	1902	4.884	ug/l #	78
14) Allyl chloride	4.832	41	4227m	0.775	ug/l	
15) Acrylonitrile	5.573	53	5958m	3.313	ug/l	
16) Acetone	4.304	43	7444	4.688	ug/l	93
17) Carbon Disulfide	4.513	76	5716	0.695	ug/l	99
18) Methyl Acetate	4.870	43	3886m	0.871	ug/l	
19) Methyl tert-butyl Ether	5.626	73	8705	0.708	ug/l	96
20) Methylene Chloride	5.101	84	6869m	1.636	ug/l	
21) trans-1,2-Dichloroethene	5.589	96	2584m	0.736	ug/l	
22) Diisopropyl ether	6.503	45	7628	0.616	ug/l	93
23) Vinyl Acetate	6.439	43	31020m	2.930	ug/l	
24) 1,1-Dichloroethane	6.388	63	4874	0.706	ug/l #	85
25) 2-Butanone	7.351	43	10217	3.875	ug/l	99
26) 2,2-Dichloropropane	7.324	77	5747	0.953	ug/l #	67
27) cis-1,2-Dichloroethene	7.327	96	2811	0.640	ug/l	74
28) Bromochloromethane	7.662	49	2214m	0.657	ug/l	
29) Tetrahydrofuran	7.705	42	5297	3.055	ug/l #	88
30) Chloroform	7.823	83	5352	0.690	ug/l	95
31) Cyclohexane	8.086	56	12958	1.831	ug/l #	27
32) 1,1,1-Trichloroethane	8.010	97	4049m	0.602	ug/l	
36) 1,1-Dichloropropene	8.220	75	3654	0.635	ug/l	96
37) Ethyl Acetate	7.420	43	3933m	0.706	ug/l	
38) Carbon Tetrachloride	8.206	117	3754	0.662	ug/l #	81
39) Methylcyclohexane	9.459	83	3772	0.599	ug/l #	89
40) Benzene	8.461	78	10708	0.622	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	1971	0.688	ug/l #	65
42) 1,2-Dichloroethane	8.525	62	4972	0.778	ug/l	86
43) Isopropyl Acetate	8.563	43	5982	0.610	ug/l #	88
44) Trichloroethene	9.223	130	2792	0.639	ug/l	67
45) 1,2-Dichloropropane	9.491	63	2909	0.668	ug/l #	80
46) Dibromomethane	9.579	93	1755	0.568	ug/l	97
47) Bromodichloromethane	9.759	83	3502	0.579	ug/l #	97
48) Methyl methacrylate	9.566	41	2984	0.688	ug/l	88
49) 1,4-Dioxane	9.585	88	839	11.167	ug/l #	84
51) 4-Methyl-2-Pentanone	10.338	43	17719	2.943	ug/l	99
52) Toluene	10.513	92	7297	0.647	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	3295	0.531	ug/l	96
54) cis-1,3-Dichloropropene	10.188	75	3613	0.537	ug/l	94
55) 1,1,2-Trichloroethane	10.904	97	2444	0.566	ug/l	89
56) Ethyl methacrylate	10.762	69	3946	0.593	ug/l	93
57) 1,3-Dichloropropane	11.052	76	4048	0.546	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.049	63	3979m	2.883	ug/l	
59) 2-Hexanone	11.089	43	12627	3.004	ug/l	100
60) Dibromochloromethane	11.240	129	2206	0.503	ug/l	96
61) 1,2-Dibromoethane	11.350	107	2150	0.487	ug/l	86
64) Tetrachloroethene	10.974	164	2433	0.615	ug/l	96
65) Chlorobenzene	11.776	112	7177	0.623	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.843	131	2074	0.512	ug/l #	66
67) Ethyl Benzene	11.846	91	11872	0.566	ug/l	90
68) m/p-Xylenes	11.958	106	9570	1.207	ug/l	85
69) o-Xylene	12.283	106	4558	0.585	ug/l	87
70) Styrene	12.296	104	7538	0.604	ug/l #	77
71) Bromoform	12.454	173	1284m	0.469	ug/l	
73) Isopropylbenzene	12.583	105	11179	0.635	ug/l	95
74) N-amyl acetate	12.393	43	4452	0.697	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.830	83	4042	0.791	ug/l	91
76) 1,2,3-Trichloropropane	12.886	75	3407m	0.764	ug/l	
77) Bromobenzene	12.865	156	2456	0.630	ug/l	91
78) n-propylbenzene	12.921	91	13047	0.655	ug/l	98
79) 2-Chlorotoluene	13.012	91	8073	0.671	ug/l	97
80) 1,3,5-Trimethylbenzene	13.061	105	8454	0.592	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.626	75	794m	0.574	ug/l	
82) 4-Chlorotoluene	13.109	91	7844	0.658	ug/l	98
83) tert-Butylbenzene	13.326	119	7848	0.645	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	8832	0.631	ug/l	96
85) sec-Butylbenzene	13.506	105	10539	0.626	ug/l	99
86) p-Isopropyltoluene	13.618	119	7996	0.588	ug/l	97
87) 1,3-Dichlorobenzene	13.618	146	4337	0.600	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	5171m	0.698	ug/l	
89) n-Butylbenzene	13.946	91	7288	0.625	ug/l	94
90) Hexachloroethane	14.217	117	1293	0.573	ug/l	91
91) 1,2-Dichlorobenzene	13.991	146	4736	0.678	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.611	75	512m	0.577	ug/l	
93) 1,2,4-Trichlorobenzene	15.268	180	2204	0.733	ug/l	95
94) Hexachlorobutadiene	15.372	225	1054	0.718	ug/l #	71
95) Naphthalene	15.512	128	7665	0.905	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.700	180	2041	0.703	ug/l	84

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

