

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
 Data File : VN067782.D
 Acq On : 16 Jul 2021 19:00
 Operator : JC/MD
 Sample : M2940-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:54:07 PM

Quant Time: Jul 17 06:09:28 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	337062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	629262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	583463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	228721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	277598	54.495	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.980%	
35) Dibromofluoromethane	8.024	113	197539	51.959	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.920%	
50) Toluene-d8	10.443	98	793597	49.869	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.740%	
62) 4-Bromofluorobenzene	12.733	95	260926	46.415	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.840%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	7887	2.753	ug/l	99
3) Chloromethane	2.301	50	11415	2.516	ug/l	97
4) Vinyl Chloride	2.440	62	17205	2.512	ug/l	90
5) Bromomethane	2.850	94	17231	3.049	ug/l	93
6) Chloroethane	3.014	64	14024	2.764	ug/l	96
7) Trichlorofluoromethane	3.371	101	33133	2.607	ug/l	97
8) Diethyl Ether	3.819	74	6668	2.446	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.205	101	8497	2.720	ug/l #	85
10) Methyl Iodide	4.414	142	8237	2.214	ug/l #	81
11) Tert butyl alcohol	5.385	59	9683m	13.228	ug/l	
12) 1,1-Dichloroethene	4.170	96	8058	2.689	ug/l	86
13) Acrolein	4.039	56	5417	13.779	ug/l	89
14) Allyl chloride	4.835	41	13891	2.521	ug/l #	87
15) Acrylonitrile	5.562	53	22588	12.441	ug/l #	69
16) Acetone	4.288	43	22445	14.003	ug/l	100
17) Carbon Disulfide	4.521	76	19748	2.379	ug/l	96
18) Methyl Acetate	4.859	43	12882m	2.861	ug/l	
19) Methyl tert-butyl Ether	5.621	73	31016	2.497	ug/l	98
20) Methylene Chloride	5.095	84	13943m	3.289	ug/l	
21) trans-1,2-Dichloroethene	5.591	96	8734	2.465	ug/l	96
22) Diisopropyl ether	6.495	45	30429	2.434	ug/l #	94
23) Vinyl Acetate	6.436	43	118703	11.106	ug/l	98
24) 1,1-Dichloroethane	6.385	63	18148	2.604	ug/l	96
25) 2-Butanone	7.345	43	34122	12.820	ug/l	94
26) 2,2-Dichloropropane	7.327	77	15666	2.572	ug/l #	76
27) cis-1,2-Dichloroethene	7.324	96	10752	2.425	ug/l	83
28) Bromochloromethane	7.657	49	8119	2.387	ug/l #	82
29) Tetrahydrofuran	7.694	42	20730	11.843	ug/l	94
30) Chloroform	7.817	83	18819	2.404	ug/l	99
31) Cyclohexane	8.088	56	23909	3.347	ug/l #	61
32) 1,1,1-Trichloroethane	8.019	97	16610	2.447	ug/l	91
36) 1,1-Dichloropropene	8.222	75	13406	2.293	ug/l	94
37) Ethyl Acetate	7.420	43	13381	2.363	ug/l #	85
38) Carbon Tetrachloride	8.209	117	13649	2.367	ug/l	98
39) Methylcyclohexane	9.461	83	14265	2.229	ug/l	88
40) Benzene	8.458	78	39943	2.283	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	6087m	2.091	ug/l	
42) 1,2-Dichloroethane	8.531	62	16279	2.505	ug/l	100
43) Isopropyl Acetate	8.563	43	23227	2.331	ug/l	95
44) Trichloroethene	9.217	130	10904	2.456	ug/l	98
45) 1,2-Dichloropropane	9.494	63	9330	2.106	ug/l	95
46) Dibromomethane	9.579	93	7425	2.362	ug/l	93
47) Bromodichloromethane	9.759	83	12833	2.088	ug/l #	98
48) Methyl methacrylate	9.563	41	9492	2.154	ug/l	87
49) 1,4-Dioxane	9.579	88	3645	47.729	ug/l #	64
51) 4-Methyl-2-Pentanone	10.333	43	69297	11.322	ug/l	98
52) Toluene	10.507	92	27156	2.369	ug/l	99
53) t-1,3-Dichloropropene	10.722	75	11967	1.898	ug/l	91
54) cis-1,3-Dichloropropene	10.191	75	13864	2.029	ug/l	96
55) 1,1,2-Trichloroethane	10.904	97	10458	2.381	ug/l	87
56) Ethyl methacrylate	10.765	69	14369	2.123	ug/l	98
57) 1,3-Dichloropropane	11.049	76	17780	2.361	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.043	63	16563	11.804	ug/l	94
59) 2-Hexanone	11.087	43	47271	11.065	ug/l	97
60) Dibromochloromethane	11.237	129	8584	1.925	ug/l	97
61) 1,2-Dibromoethane	11.347	107	9660	2.154	ug/l	95
64) Tetrachloroethene	10.977	164	9988	2.425	ug/l	95
65) Chlorobenzene	11.773	112	28386	2.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.846	131	8816	2.092	ug/l	93
67) Ethyl Benzene	11.846	91	48925	2.243	ug/l	94
68) m/p-Xylenes	11.956	106	35429	4.294	ug/l	88
69) o-Xylene	12.283	106	17469	2.153	ug/l	90
70) Styrene	12.296	104	26607	2.050	ug/l	90
71) Bromoform	12.460	173	5000	1.756	ug/l #	95
73) Isopropylbenzene	12.581	105	44951	2.436	ug/l	98
74) N-amyl acetate	12.390	43	16025	2.394	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.827	83	13323	2.488	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	12478m	2.671	ug/l	
77) Bromobenzene	12.862	156	9919	2.429	ug/l	84
78) n-propylbenzene	12.924	91	50436	2.416	ug/l	96
79) 2-Chlorotoluene	13.012	91	31254	2.479	ug/l	92
80) 1,3,5-Trimethylbenzene	13.063	105	35490	2.373	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.629	75	2474m	1.708	ug/l	
82) 4-Chlorotoluene	13.109	91	31105	2.493	ug/l	97
83) tert-Butylbenzene	13.326	119	30237	2.371	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	34776	2.374	ug/l	96
85) sec-Butylbenzene	13.503	105	41812	2.369	ug/l	96
86) p-Isopropyltoluene	13.619	119	32979	2.316	ug/l	97
87) 1,3-Dichlorobenzene	13.619	146	18403	2.429	ug/l	95
88) 1,4-Dichlorobenzene	13.699	146	18826	2.427	ug/l	92
89) n-Butylbenzene	13.946	91	28201	2.309	ug/l	97
90) Hexachloroethane	14.214	117	4932	2.085	ug/l	96
91) 1,2-Dichlorobenzene	13.994	146	18607	2.544	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.608	75	2126	2.285	ug/l	73
93) 1,2,4-Trichlorobenzene	15.271	180	6849	2.175	ug/l	98
94) Hexachlorobutadiene	15.373	225	3826	2.489	ug/l	98
95) Naphthalene	15.512	128	18969	2.138	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.700	180	6782m	2.230	ug/l	

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

