

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070721\
 Data File : VN067641.D
 Acq On : 7 Jul 2021 18:21
 Operator : JC/MD
 Sample : M2940-07 .5PPB LOD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/8/2021 6:03:12 PM

Quant Time: Jul 08 07:15:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 08 07:13:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	322373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	613334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	558803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	270008	55.420	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.840%			
35) Dibromofluoromethane	8.027	113	184083	49.677	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.360%			
50) Toluene-d8	10.443	98	761413	49.089	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.180%			
62) 4-Bromofluorobenzene	12.734	95	236859	43.228	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	1398	0.510	ug/l	85
3) Chloromethane	2.303	50	2946	0.679	ug/l	96
4) Vinyl Chloride	2.443	62	4020	0.614	ug/l	95
5) Bromomethane	2.872	94	5410m	1.001	ug/l	
6) Chloroethane	3.025	64	3153	0.650	ug/l #	77
7) Trichlorofluoromethane	3.379	101	6966	0.573	ug/l	96
8) Diethyl Ether	3.821	74	1440m	0.552	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.208	101	1630m	0.546	ug/l	
10) Methyl Iodide	4.419	142	1585m	0.445	ug/l	
11) Tert butyl alcohol	5.398	59	2033m	2.904	ug/l	
12) 1,1-Dichloroethene	4.170	96	1843m	0.643	ug/l	
13) Acrolein	4.041	56	1375	3.657	ug/l #	55
14) Allyl chloride	4.841	41	3230m	0.613	ug/l	
15) Acrylonitrile	5.562	53	4366m	2.514	ug/l	
16) Acetone	4.296	43	6034m	3.936	ug/l	
17) Carbon Disulfide	4.524	76	4925	0.620	ug/l #	74
18) Methyl Acetate	4.862	43	3775m	0.877	ug/l	
19) Methyl tert-butyl Ether	5.632	73	5940m	0.500	ug/l	
20) Methylene Chloride	5.103	84	3629m	0.895	ug/l	
21) trans-1,2-Dichloroethene	5.597	96	1758m	0.519	ug/l	
22) Diisopropyl ether	6.503	45	5601	0.468	ug/l #	91
23) Vinyl Acetate	6.439	43	24685m	2.415	ug/l	
24) 1,1-Dichloroethane	6.383	63	3229	0.484	ug/l #	85
25) 2-Butanone	7.351	43	7565	2.972	ug/l	99
26) 2,2-Dichloropropane	7.329	77	3750	0.644	ug/l #	67
27) cis-1,2-Dichloroethene	7.329	96	1912m	0.451	ug/l	
28) Bromochloromethane	7.659	49	1600m	0.492	ug/l	
29) Tetrahydrofuran	7.708	42	4644m	2.774	ug/l	
30) Chloroform	7.820	83	4066	0.543	ug/l	99
31) Cyclohexane	8.086	56	11898	1.742	ug/l #	27
32) 1,1,1-Trichloroethane	8.011	97	3164	0.487	ug/l #	42
36) 1,1-Dichloropropene	8.220	75	3383	0.594	ug/l #	71
37) Ethyl Acetate	7.431	43	3332m	0.604	ug/l	
38) Carbon Tetrachloride	8.204	117	2806	0.499	ug/l #	77
39) Methylcyclohexane	9.467	83	2944	0.472	ug/l	92
40) Benzene	8.461	78	8245	0.483	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	1556m	0.548	ug/l	
42) 1,2-Dichloroethane	8.536	62	3747	0.592	ug/l	88
43) Isopropyl Acetate	8.566	43	4504	0.464	ug/l #	78
44) Trichloroethene	9.215	130	2056	0.475	ug/l	91
45) 1,2-Dichloropropane	9.494	63	2113m	0.489	ug/l	
46) Dibromomethane	9.582	93	1551	0.506	ug/l	92
47) Bromodichloromethane	9.767	83	2623	0.438	ug/l #	95
48) Methyl methacrylate	9.566	41	2079	0.484	ug/l #	76
49) 1,4-Dioxane	9.588	88	711m	9.552	ug/l	
51) 4-Methyl-2-Pentanone	10.331	43	13887	2.328	ug/l	99
52) Toluene	10.508	92	5466	0.489	ug/l	99
53) t-1,3-Dichloropropene	10.727	75	2545	0.414	ug/l	98
54) cis-1,3-Dichloropropene	10.194	75	2870	0.431	ug/l #	85
55) 1,1,2-Trichloroethane	10.899	97	2053	0.480	ug/l #	80
56) Ethyl methacrylate	10.757	69	2958m	0.448	ug/l	
57) 1,3-Dichloropropane	11.047	76	3332	0.454	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.046	63	2008	1.468	ug/l #	88
59) 2-Hexanone	11.089	43	10348	2.485	ug/l	97
60) Dibromochloromethane	11.237	129	1564	0.360	ug/l	85
61) 1,2-Dibromoethane	11.347	107	1933	0.442	ug/l	94
64) Tetrachloroethene	10.977	164	2050	0.520	ug/l	91
65) Chlorobenzene	11.773	112	5175	0.451	ug/l #	89
66) 1,1,1,2-Tetrachloroethane	11.840	131	1656	0.410	ug/l #	43
67) Ethyl Benzene	11.846	91	10077	0.482	ug/l #	87
68) m/p-Xylenes	11.956	106	6947	0.879	ug/l	90
69) o-Xylene	12.288	106	3468	0.446	ug/l	93
70) Styrene	12.296	104	4754	0.383	ug/l	92
71) Bromoform	12.455	173	817	0.300	ug/l #	29
73) Isopropylbenzene	12.583	105	8607	0.507	ug/l	94
74) N-amyl acetate	12.396	43	3558	0.577	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.830	83	2778	0.564	ug/l #	85
76) 1,2,3-Trichloropropane	12.886	75	2854m	0.664	ug/l	
77) Bromobenzene	12.865	156	2163	0.575	ug/l	81
78) n-propylbenzene	12.924	91	9670	0.503	ug/l	94
79) 2-Chlorotoluene	13.012	91	6612	0.570	ug/l	100
80) 1,3,5-Trimethylbenzene	13.063	105	6857	0.498	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.624	75	422m	0.316	ug/l	
82) 4-Chlorotoluene	13.106	91	6512	0.567	ug/l	94
83) tert-Butylbenzene	13.326	119	5781	0.493	ug/l	89
84) 1,2,4-Trimethylbenzene	13.372	105	6806	0.505	ug/l	100
85) sec-Butylbenzene	13.509	105	8105	0.499	ug/l	98
86) p-Isopropyltoluene	13.616	119	6668	0.509	ug/l	90
87) 1,3-Dichlorobenzene	13.619	146	3455	0.495	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	4103m	0.575	ug/l	
89) n-Butylbenzene	13.943	91	6095	0.542	ug/l	94
90) Hexachloroethane	14.206	117	930m	0.427	ug/l	
91) 1,2-Dichlorobenzene	13.991	146	3766	0.559	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.608	75	354	0.413	ug/l #	55
93) 1,2,4-Trichlorobenzene	15.268	180	2028	0.700	ug/l	98
94) Hexachlorobutadiene	15.365	225	769m	0.544	ug/l	
95) Naphthalene	15.512	128	7516	0.920	ug/l	96
96) 1,2,3-Trichlorobenzene	15.702	180	2195	0.784	ug/l #	88

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

