

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031621\
 Data File : VN066219.D
 Acq On : 16 Mar 2021 18:39
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 4:24:58 PM

Quant Time: Mar 17 05:56:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:54:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.587	168	278701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	457985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	410483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	175606	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	207079	51.57	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.14%			
35) Dibromofluoromethane	7.509	113	142242	48.68	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.36%			
50) Toluene-d8	10.028	98	523033	46.30	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 92.60%			
62) 4-Bromofluorobenzene	12.345	95	171445	42.10	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 84.20%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.824	85	1229	0.45	ug/l	84
3) Chloromethane	2.014	50	3797	0.78	ug/l	92
4) Vinyl Chloride	2.145	62	1756	0.44	ug/l	91
5) Bromomethane	2.529	94	1738	0.77	ug/l #	75
6) Chloroethane	2.666	64	1099	0.48	ug/l	95
7) Trichlorofluoromethane	2.977	101	2071	0.45	ug/l	97
8) Diethyl Ether	3.350	74	839	0.44	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	3.682	101	1218m	0.50	ug/l	
10) Methyl Iodide	3.875	142	1495m	0.43	ug/l	
11) Tert butyl alcohol	4.744	59	1039m	1.52	ug/l	
12) 1,1-Dichloroethene	3.658	96	2050m	0.78	ug/l	
13) Acrolein	3.540	56	6028	9.63	ug/l	93
14) Allyl chloride	4.232	41	2468	0.40	ug/l #	71
15) Acrylonitrile	4.897	53	4006m	1.95	ug/l	
16) Acetone	3.752	43	5998	3.11	ug/l #	84
17) Carbon Disulfide	3.969	76	4688	0.63	ug/l	96
18) Methyl Acetate	4.243	43	3750m	0.69	ug/l	
19) Methyl tert-butyl Ether	4.940	73	4511m	0.45	ug/l	
20) Methylene Chloride	4.457	84	2014	0.67	ug/l #	79
21) trans-1,2-Dichloroethene	4.927	96	1659m	0.57	ug/l	
22) Diisopropyl ether	5.860	45	4863m	0.38	ug/l	
23) Vinyl Acetate	5.801	43	18671m	1.71	ug/l	
24) 1,1-Dichloroethane	5.753	63	2671	0.42	ug/l #	86
25) 2-Butanone	6.753	43	6305	2.10	ug/l	97
26) 2,2-Dichloropropane	6.737	77	2169	0.41	ug/l #	71
27) cis-1,2-Dichloroethene	6.740	96	1532m	0.46	ug/l	
28) Bromochloromethane	7.110	49	1601	0.48	ug/l #	73
29) Tetrahydrofuran	7.139	42	4377	2.12	ug/l #	50
30) Chloroform	7.287	83	2412	0.42	ug/l #	80
31) Cyclohexane	7.584	56	7539	1.25	ug/l #	1
32) 1,1,1-Trichloroethane	7.475	97	1890m	0.38	ug/l	
36) 1,1-Dichloropropene	7.713	75	2021	0.44	ug/l #	77
37) Ethyl Acetate	6.855	43	2671m	0.40	ug/l	
38) Carbon Tetrachloride	7.700	117	1917m	0.46	ug/l	
39) Methylcyclohexane	9.003	83	1997	0.40	ug/l #	78
40) Benzene	7.960	78	5751	0.41	ug/l #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.086	41	1301m	0.40	ug/l	
42) 1,2-Dichloroethane	8.048	62	2236	0.44	ug/l #	79
43) Isopropyl Acetate	8.089	43	4140	0.40	ug/l #	78
44) Trichloroethene	8.762	130	1543	0.46	ug/l	93
45) 1,2-Dichloropropane	9.041	63	1673	0.42	ug/l #	88
46) Dibromomethane	9.140	93	782	0.35	ug/l #	86
47) Bromodichloromethane	9.338	83	1899	0.39	ug/l #	86
48) Methyl methacrylate	9.135	41	1978	0.41	ug/l #	80
49) 1,4-Dioxane	9.145	88	445m	8.44	ug/l	
51) 4-Methyl-2-Pentanone	9.920	43	11426	1.84	ug/l	94
52) Toluene	10.092	92	3054	0.38	ug/l	93
53) t-1,3-Dichloropropene	10.320	75	2120	0.38	ug/l #	88
54) cis-1,3-Dichloropropene	9.778	75	2262	0.38	ug/l #	86
55) 1,1,2-Trichloroethane	10.502	97	1255	0.38	ug/l	94
56) Ethyl methacrylate	10.374	69	1570	0.30	ug/l #	69
57) 1,3-Dichloropropane	10.647	76	1986	0.33	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.631	63	241	0.43	ug/l #	54
59) 2-Hexanone	10.696	43	8059	1.82	ug/l	98
60) Dibromochloromethane	10.846	129	1208	0.35	ug/l	98
61) 1,2-Dibromoethane	10.956	107	1156	0.35	ug/l	98
64) Tetrachloroethene	10.572	164	1608	0.47	ug/l #	86
65) Chlorobenzene	11.371	112	3315	0.40	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.452	131	911	0.30	ug/l #	28
67) Ethyl Benzene	11.457	91	5305	0.36	ug/l	100
68) m/p-Xylenes	11.565	106	3535	0.65	ug/l	96
69) o-Xylene	11.886	106	1617	0.31	ug/l	75
70) Styrene	11.911	104	2733	0.32	ug/l	92
71) Bromoform	12.063	173	821	0.34	ug/l #	93
73) Isopropylbenzene	12.192	105	4492	0.37	ug/l	94
74) N-amyl acetate	12.012	43	1738m	0.31	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.444	83	1681	0.39	ug/l #	94
76) 1,2,3-Trichloropropane	12.501	75	2121m	0.47	ug/l	
77) Bromobenzene	12.466	156	1481	0.46	ug/l	85
78) n-propylbenzene	12.541	91	5439	0.38	ug/l	99
79) 2-Chlorotoluene	12.619	91	3013	0.35	ug/l	82
80) 1,3,5-Trimethylbenzene	12.678	105	3396	0.33	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.238	75	552m	0.36	ug/l	
82) 4-Chlorotoluene	12.720	91	3965	0.46	ug/l	99
83) tert-Butylbenzene	12.940	119	3279	0.37	ug/l	89
84) 1,2,4-Trimethylbenzene	12.989	105	3612	0.36	ug/l	89
85) sec-Butylbenzene	13.115	105	4240	0.37	ug/l	95
86) p-Isopropyltoluene	13.233	119	4035	0.40	ug/l	87
87) 1,3-Dichlorobenzene	13.227	146	2590	0.47	ug/l	93
88) 1,4-Dichlorobenzene	13.308	146	3058m	0.53	ug/l	
89) n-Butylbenzene	13.560	91	4138	0.46	ug/l	96
90) Hexachloroethane	13.809	117	777m	0.44	ug/l	
91) 1,2-Dichlorobenzene	13.595	146	2631	0.49	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.220	75	1632m	1.92	ug/l	
93) 1,2,4-Trichlorobenzene	14.858	180	3065	0.87	ug/l	88
94) Hexachlorobutadiene	14.952	225	1198	0.70	ug/l	90
95) Naphthalene	15.075	128	9560	0.93	ug/l	98
96) 1,2,3-Trichlorobenzene	15.255	180	2739	0.78	ug/l #	80

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

