

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076767.D
 Acq On : 22 Feb 2023 13:21
 Operator : JC\MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Quant Time: Feb 23 00:43:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.225	168	235713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	436492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	377610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	145436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	193321	59.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.780%			
35) Dibromofluoromethane	8.172	113	148964	52.112	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.220%			
50) Toluene-d8	10.572	98	541708	50.744	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.848	95	153592	43.441	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.131	85	956	0.382	ug/l #	40
3) Chloromethane	2.384	50	1840	0.563	ug/l #	80
4) Vinyl Chloride	2.525	62	1670	0.520	ug/l #	45
5) Bromomethane	2.978	94	2237	1.149	ug/l #	58
6) Chloroethane	3.131	64	1712	0.843	ug/l	96
7) Trichlorofluoromethane	3.513	101	2214	0.506	ug/l	99
8) Diethyl Ether	3.978	74	534	0.317	ug/l #	21
9) 1,1,2-Trichlorotrifluo...	4.401	101	1158	0.451	ug/l #	72
10) Methyl Iodide	4.601	142	1039m	0.327	ug/l	
11) Tert butyl alcohol	5.525	59	1249m	2.907	ug/l	
12) 1,1-Dichloroethene	4.348	96	1209m	0.497	ug/l	
13) Acrolein	4.213	56	1860m	2.884	ug/l	
14) Allyl chloride	5.031	41	2001	0.475	ug/l #	71
15) Acrylonitrile	5.725	53	3943m	2.586	ug/l	
16) Acetone	4.443	43	4598m	3.163	ug/l	
17) Carbon Disulfide	4.731	76	3739m	0.582	ug/l	
18) Methyl Acetate	5.037	43	2317m	0.488	ug/l	
19) Methyl tert-butyl Ether	5.813	73	3351m	0.409	ug/l	
20) Methylene Chloride	5.301	84	2620m	0.860	ug/l	
21) trans-1,2-Dichloroethene	5.813	96	1011	0.369	ug/l #	28
22) Diisopropyl ether	6.678	45	4503	0.455	ug/l #	91
23) Vinyl Acetate	6.619	43	13065	2.233	ug/l #	89
24) 1,1-Dichloroethane	6.589	63	2760m	0.509	ug/l	
25) 2-Butanone	7.501	43	4849	2.261	ug/l	91
26) 2,2-Dichloropropane	7.501	77	1958	0.501	ug/l #	68
27) cis-1,2-Dichloroethene	7.501	96	1426m	0.439	ug/l	
28) Bromochloromethane	7.819	49	814	0.316	ug/l #	90
29) Tetrahydrofuran	7.860	42	3062	2.185	ug/l #	81
30) Chloroform	7.978	83	2876	0.531	ug/l #	57
31) Cyclohexane	8.225	56	9740	1.908	ug/l #	48
32) 1,1,1-Trichloroethane	8.178	97	2243	0.493	ug/l #	38
36) 1,1-Dichloropropene	8.378	75	1820	0.441	ug/l	83
37) Ethyl Acetate	7.560	43	2602	0.599	ug/l #	71
38) Carbon Tetrachloride	8.360	117	1764	0.423	ug/l #	64
39) Methylcyclohexane	9.613	83	2027	0.432	ug/l #	64
40) Benzene	8.607	78	5913	0.466	ug/l #	81

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.795	41	1179	0.468	ug/l #	81
42) 1,2-Dichloroethane	8.678	62	2638	0.596	ug/l	88
43) Isopropyl Acetate	8.695	43	3704	0.524	ug/l #	84
44) Trichloroethene	9.354	130	1934	0.645	ug/l	41
45) 1,2-Dichloropropane	9.625	63	2044	0.609	ug/l #	85
46) Dibromomethane	9.695	93	895	0.417	ug/l	87
47) Bromodichloromethane	9.901	83	2101	0.488	ug/l #	80
48) Methyl methacrylate	9.683	41	1864	0.556	ug/l	90
49) 1,4-Dioxane	9.707	88	614	10.579	ug/l #	58
51) 4-Methyl-2-Pentanone	10.448	43	9206	2.046	ug/l	96
52) Toluene	10.642	92	3499	0.457	ug/l	92
53) t-1,3-Dichloropropene	10.836	75	1693	0.408	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	1905	0.398	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	1506	0.484	ug/l #	81
56) Ethyl methacrylate	10.883	69	1732	0.395	ug/l #	73
57) 1,3-Dichloropropane	11.172	76	2198	0.411	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.160	63	3717	1.852	ug/l #	87
59) 2-Hexanone	11.201	43	6373	1.965	ug/l	86
60) Dibromochloromethane	11.366	129	1316	0.401	ug/l	80
61) 1,2-Dibromoethane	11.472	107	1368	0.439	ug/l	100
64) Tetrachloroethene	11.107	164	1227	0.516	ug/l #	76
65) Chlorobenzene	11.889	112	3866	0.483	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.966	131	1173	0.404	ug/l #	64
67) Ethyl Benzene	11.966	91	6016	0.441	ug/l #	85
68) m/p-Xylenes	12.071	106	4490	0.854	ug/l	78
69) o-Xylene	12.401	106	1980	0.386	ug/l	77
70) Styrene	12.407	104	3044	0.367	ug/l #	87
71) Bromoform	12.589	173	841	0.394	ug/l #	28
73) Isopropylbenzene	12.701	105	4207	0.395	ug/l	98
74) N-amyl acetate	12.495	43	1986	0.413	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.942	83	2138	0.554	ug/l #	88
76) 1,2,3-Trichloropropane	13.001	75	1647m	0.560	ug/l	
77) Bromobenzene	12.983	156	1610	0.605	ug/l	93
78) n-propylbenzene	13.042	91	5781	0.462	ug/l	100
79) 2-Chlorotoluene	13.130	91	4586	0.598	ug/l	97
80) 1,3,5-Trimethylbenzene	13.183	105	3479	0.395	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.742	75	431m	0.427	ug/l	
82) 4-Chlorotoluene	13.130	91	4586	0.598	ug/l	97
83) tert-Butylbenzene	13.436	119	3485	0.437	ug/l	87
84) 1,2,4-Trimethylbenzene	13.483	105	3675	0.419	ug/l	99
85) sec-Butylbenzene	13.618	105	4216	0.379	ug/l	95
86) p-Isopropyltoluene	13.736	119	3766	0.424	ug/l	91
87) 1,3-Dichlorobenzene	13.736	146	2066	0.411	ug/l	82
88) 1,4-Dichlorobenzene	13.813	146	3301	0.659	ug/l	75
89) n-Butylbenzene	14.054	91	2619	0.339	ug/l	95
90) Hexachloroethane	14.330	117	933	0.502	ug/l	84
91) 1,2-Dichlorobenzene	14.107	146	3183	0.618	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	14.712	75	621	0.831	ug/l #	62
93) 1,2,4-Trichlorobenzene	15.395	180	1031	0.401	ug/l	95
94) Hexachlorobutadiene	15.512	225	658	0.522	ug/l	80
95) Naphthalene	15.648	128	3729	0.478	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.848	180	969	0.389	ug/l #	16

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

