

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076768.D
 Acq On : 22 Feb 2023 13:55
 Operator : JC\MD
 Sample : MDL08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL08

Manual Integrations
 APPROVED

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

Quant Time: Feb 23 00:44:09 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	8.230	168	219088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	409493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	361662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	139835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	188813	62.412	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.820%			
35) Dibromofluoromethane	8.178	113	139056	51.854	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.700%			
50) Toluene-d8	10.571	98	508940	50.818	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.854	95	148467	44.760	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	705	0.303	ug/l #	40
3) Chloromethane	2.378	50	1753	0.578	ug/l #	81
4) Vinyl Chloride	2.537	62	1959	0.656	ug/l #	73
5) Bromomethane	2.972	94	2110	1.166	ug/l #	73
6) Chloroethane	3.131	64	903	0.478	ug/l #	40
7) Trichlorofluoromethane	3.507	101	1576m	0.388	ug/l	
8) Diethyl Ether	3.972	74	683	0.436	ug/l	63
9) 1,1,2-Trichlorotrifluo...	4.366	101	860	0.360	ug/l #	50
10) Methyl Iodide	4.595	142	1222m	0.414	ug/l	
11) Tert butyl alcohol	5.513	59	1103m	2.762	ug/l	
12) 1,1-Dichloroethene	4.342	96	1057	0.467	ug/l #	29
13) Acrolein	4.190	56	1486m	2.479	ug/l	
14) Allyl chloride	5.054	41	2229m	0.569	ug/l	
15) Acrylonitrile	5.737	53	3775	2.664	ug/l #	75
16) Acetone	4.448	43	5143	3.806	ug/l #	71
17) Carbon Disulfide	4.737	76	3072	0.515	ug/l #	73
18) Methyl Acetate	5.025	43	2862m	0.649	ug/l	
19) Methyl tert-butyl Ether	5.831	73	4262m	0.559	ug/l	
20) Methylene Chloride	5.301	84	2514m	0.888	ug/l	
21) trans-1,2-Dichloroethene	5.801	96	1020	0.401	ug/l	83
22) Diisopropyl ether	6.684	45	4642m	0.505	ug/l	
23) Vinyl Acetate	6.613	43	12293	2.261	ug/l #	91
24) 1,1-Dichloroethane	6.578	63	2787	0.553	ug/l #	81
25) 2-Butanone	7.501	43	5023	2.520	ug/l #	88
26) 2,2-Dichloropropane	7.489	77	1897	0.522	ug/l #	73
27) cis-1,2-Dichloroethene	7.483	96	1773m	0.587	ug/l	
28) Bromochloromethane	7.825	49	1179m	0.492	ug/l	
29) Tetrahydrofuran	7.860	42	3323	2.552	ug/l #	91
30) Chloroform	7.966	83	2467	0.490	ug/l #	72
31) Cyclohexane	8.230	56	8520	1.795	ug/l #	1
32) 1,1,1-Trichloroethane	8.178	97	2148	0.508	ug/l #	42
36) 1,1-Dichloropropene	8.377	75	1885	0.487	ug/l #	90
37) Ethyl Acetate	7.572	43	2337	0.573	ug/l #	71
38) Carbon Tetrachloride	8.366	117	1803	0.461	ug/l #	67
39) Methylcyclohexane	9.613	83	1614	0.366	ug/l #	46
40) Benzene	8.607	78	5774	0.485	ug/l #	71

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076768.D
 Acq On : 22 Feb 2023 13:55
 Operator : JC\MD
 Sample : MDL08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL08

Manual Integrations
 APPROVED

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

Quant Time: Feb 23 00:44:09 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)
41) Methacrylonitrile	7.807	41	1358m	0.575	ug/l	
42) 1,2-Dichloroethane	8.683	62	2755m	0.664	ug/l	
43) Isopropyl Acetate	8.695	43	2915	0.439	ug/l #	77
44) Trichloroethene	9.348	130	1705	0.606	ug/l	75
45) 1,2-Dichloropropane	9.630	63	1560	0.495	ug/l #	44
46) Dibromomethane	9.713	93	1014m	0.504	ug/l	
47) Bromodichloromethane	9.889	83	2362	0.585	ug/l #	60
48) Methyl methacrylate	9.683	41	1716	0.545	ug/l #	82
49) 1,4-Dioxane	9.707	88	393m	7.218	ug/l	
51) 4-Methyl-2-Pentanone	10.448	43	8851	2.097	ug/l	98
52) Toluene	10.630	92	3168	0.441	ug/l	75
53) t-1,3-Dichloropropene	10.836	75	1594	0.409	ug/l #	52
54) cis-1,3-Dichloropropene	10.313	75	2157	0.480	ug/l #	81
55) 1,1,2-Trichloroethane	11.024	97	1562	0.535	ug/l	90
56) Ethyl methacrylate	10.877	69	1925	0.468	ug/l #	82
57) 1,3-Dichloropropane	11.166	76	2668	0.532	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.166	63	3825	2.031	ug/l	90
59) 2-Hexanone	11.201	43	6846	2.250	ug/l	91
60) Dibromochloromethane	11.366	129	1253	0.407	ug/l	99
61) 1,2-Dibromoethane	11.477	107	1203	0.411	ug/l	82
64) Tetrachloroethene	11.113	164	1005	0.441	ug/l #	56
65) Chlorobenzene	11.895	112	3447	0.450	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	11.966	131	1185	0.426	ug/l #	56
67) Ethyl Benzene	11.977	91	6050	0.463	ug/l	91
68) m/p-Xylenes	12.077	106	3143	0.624	ug/l	81
69) o-Xylene	12.401	106	2227	0.454	ug/l	80
70) Styrene	12.407	104	3187	0.401	ug/l	94
71) Bromoform	12.589	173	701	0.343	ug/l #	28
73) Isopropylbenzene	12.695	105	4188	0.409	ug/l	90
74) N-amyl acetate	12.501	43	2282	0.494	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.942	83	2272	0.612	ug/l #	97
76) 1,2,3-Trichloropropane	12.989	75	1710m	0.605	ug/l	
77) Bromobenzene	12.989	156	1630	0.637	ug/l	83
78) n-propylbenzene	13.036	91	5905	0.491	ug/l	91
79) 2-Chlorotoluene	13.130	91	3684	0.500	ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	3566	0.421	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.736	75	314m	0.323	ug/l	
82) 4-Chlorotoluene	13.130	91	3684	0.500	ug/l	96
83) tert-Butylbenzene	13.442	119	3129	0.408	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	3071	0.364	ug/l	94
85) sec-Butylbenzene	13.618	105	4662	0.436	ug/l #	71
86) p-Isopropyltoluene	13.736	119	2620	0.307	ug/l	84
87) 1,3-Dichlorobenzene	13.730	146	2475	0.512	ug/l	91
88) 1,4-Dichlorobenzene	13.812	146	3012m	0.626	ug/l	
89) n-Butylbenzene	14.054	91	3065	0.413	ug/l	94
90) Hexachloroethane	14.336	117	711	0.397	ug/l	57
91) 1,2-Dichlorobenzene	14.107	146	2005	0.405	ug/l	74
92) 1,2-Dibromo-3-Chloropr...	14.712	75	248	0.345	ug/l #	41
93) 1,2,4-Trichlorobenzene	15.389	180	1254	0.507	ug/l #	66
94) Hexachlorobutadiene	15.495	225	458	0.378	ug/l	79
95) Naphthalene	15.642	128	3498	0.466	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.848	180	1053	0.440	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
Data File : VN076768.D
Acq On : 22 Feb 2023 13:55
Operator : JC\MD
Sample : MDL08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MDL08

Manual Integrations
APPROVED

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

Quant Time: Feb 23 00:44:09 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)
----------	------	------	----------	------	-------	----------

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

