

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076954.D
 Acq On : 13 Mar 2023 12:07
 Operator : JC\MD
 Sample : VN0313WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2023
 Supervised By : Mahesh Dadoda 03/14/2023

Quant Time: Mar 14 07:00:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	418699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	691811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	610361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	277780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	309913	49.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.200%		
35) Dibromofluoromethane	8.172	113	237214	51.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.900%		
50) Toluene-d8	10.571	98	886376	52.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.320%		
62) 4-Bromofluorobenzene	12.854	95	333310	53.627	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	148027	19.628	ug/l	99
3) Chloromethane	2.378	50	79243	19.417	ug/l	99
4) Vinyl Chloride	2.531	62	66834	17.643	ug/l	95
5) Bromomethane	2.966	94	49293	17.691	ug/l	96
6) Chloroethane	3.137	64	37435	15.567	ug/l	94
7) Trichlorofluoromethane	3.513	101	169726	17.268	ug/l	97
8) Diethyl Ether	3.972	74	59642	18.860	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.390	101	92306	18.381	ug/l	98
10) Methyl Iodide	4.601	142	77794	14.801	ug/l	97
11) Tert butyl alcohol	5.537	59	90313	103.906	ug/l	100
12) 1,1-Dichloroethene	4.360	96	84403	18.237	ug/l	94
13) Acrolein	4.195	56	79307	101.511	ug/l	96
14) Allyl chloride	5.042	41	127288	19.172	ug/l #	83
15) Acrylonitrile	5.737	53	258100	105.070	ug/l	99
16) Acetone	4.442	43	212473	98.136	ug/l	93
17) Carbon Disulfide	4.731	76	247524	19.307	ug/l	99
18) Methyl Acetate	5.037	43	159351	19.957	ug/l	90
19) Methyl tert-butyl Ether	5.807	73	336062	20.421	ug/l	95
20) Methylene Chloride	5.295	84	104543	18.779	ug/l	93
21) trans-1,2-Dichloroethene	5.801	96	95988	19.564	ug/l	84
22) Diisopropyl ether	6.684	45	304804	20.751	ug/l	96
23) Vinyl Acetate	6.613	43	971946	107.451	ug/l	93
24) 1,1-Dichloroethane	6.578	63	183421	19.549	ug/l	97
25) 2-Butanone	7.495	43	320329	104.027	ug/l #	86
26) 2,2-Dichloropropane	7.501	77	161859	19.494	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	110683	19.550	ug/l	86
28) Bromochloromethane	7.819	49	73604	21.687	ug/l	85
29) Tetrahydrofuran	7.848	42	207733	108.839	ug/l	86
30) Chloroform	7.972	83	195484	19.391	ug/l	100
31) Cyclohexane	8.266	56	169594	18.918	ug/l	91
32) 1,1,1-Trichloroethane	8.172	97	184106	19.479	ug/l	98
36) 1,1-Dichloropropene	8.383	75	142222	19.944	ug/l	96
37) Ethyl Acetate	7.566	43	128984	22.618	ug/l	97
38) Carbon Tetrachloride	8.366	117	160591	19.242	ug/l	97
39) Methylcyclohexane	9.607	83	178027	20.566	ug/l #	86
40) Benzene	8.613	78	426591	20.295	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076954.D
 Acq On : 13 Mar 2023 12:07
 Operator : JC\MD
 Sample : VN0313WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2023
 Supervised By : Mahesh Dadoda 03/14/2023

Quant Time: Mar 14 07:00:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	70643	20.818	ug/l	89
42) 1,2-Dichloroethane	8.677	62	157775	19.244	ug/l	96
43) Isopropyl Acetate	8.695	43	216752	21.531	ug/l	92
44) Trichloroethene	9.360	130	104337	19.207	ug/l	97
45) 1,2-Dichloropropane	9.624	63	105879	20.473	ug/l	96
46) Dibromomethane	9.713	93	74371	20.591	ug/l	96
47) Bromodichloromethane	9.889	83	156117	20.374	ug/l	98
48) Methyl methacrylate	9.683	41	103641	21.012	ug/l	86
49) 1,4-Dioxane	9.695	88	40807	436.923	ug/l #	84
51) 4-Methyl-2-Pentanone	10.448	43	660397	109.205	ug/l	95
52) Toluene	10.636	92	269886	20.862	ug/l	98
53) t-1,3-Dichloropropene	10.842	75	161027	21.079	ug/l	95
54) cis-1,3-Dichloropropene	10.313	75	175884	20.965	ug/l	93
55) 1,1,2-Trichloroethane	11.019	97	103234	20.510	ug/l	97
56) Ethyl methacrylate	10.877	69	166033	21.748	ug/l #	88
57) 1,3-Dichloropropane	11.166	76	183233	20.645	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	272784	112.207	ug/l	96
59) 2-Hexanone	11.201	43	480397	108.951	ug/l	93
60) Dibromochloromethane	11.360	129	115377	20.806	ug/l	96
61) 1,2-Dibromoethane	11.471	107	104702	20.754	ug/l	100
64) Tetrachloroethene	11.107	164	99467	20.135	ug/l	96
65) Chlorobenzene	11.895	112	274698	20.121	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.960	131	108183	20.298	ug/l	98
67) Ethyl Benzene	11.966	91	511672	20.382	ug/l	96
68) m/p-Xylenes	12.071	106	387739	41.093	ug/l	91
69) o-Xylene	12.401	106	191055	20.857	ug/l	87
70) Styrene	12.413	104	309481	20.912	ug/l	94
71) Bromoform	12.583	173	79947	20.699	ug/l #	99
73) Isopropylbenzene	12.701	105	502199	20.289	ug/l	95
74) N-amyl acetate	12.495	43	173793	21.207	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.936	83	150930	20.723	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	143346m	21.285	ug/l	
77) Bromobenzene	12.983	156	112274	20.290	ug/l	90
78) n-propylbenzene	13.042	91	572705	20.778	ug/l	95
79) 2-Chlorotoluene	13.130	91	362746	20.294	ug/l	94
80) 1,3,5-Trimethylbenzene	13.177	105	438500	20.797	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.736	75	45327	21.985	ug/l	89
82) 4-Chlorotoluene	13.224	91	349270	20.680	ug/l	92
83) tert-Butylbenzene	13.442	119	369967	20.654	ug/l	93
84) 1,2,4-Trimethylbenzene	13.483	105	442993	21.000	ug/l	92
85) sec-Butylbenzene	13.618	105	518822	21.131	ug/l	96
86) p-Isopropyltoluene	13.730	119	427574	21.565	ug/l	95
87) 1,3-Dichlorobenzene	13.736	146	201797	20.010	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	202811	20.048	ug/l	97
89) n-Butylbenzene	14.059	91	351701	21.257	ug/l	98
90) Hexachloroethane	14.336	117	76275	20.020	ug/l	88
91) 1,2-Dichlorobenzene	14.107	146	209264	20.656	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	32201	20.025	ug/l	88
93) 1,2,4-Trichlorobenzene	15.395	180	114662	20.361	ug/l	98
94) Hexachlorobutadiene	15.506	225	63204	21.066	ug/l	99
95) Naphthalene	15.642	128	372124	22.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	118810	21.727	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
Data File : VN076954.D
Acq On : 13 Mar 2023 12:07
Operator : JC\MD
Sample : VN0313WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2023
Supervised By :Mahesh Dadoda 03/14/2023

Quant Time: Mar 14 07:00:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
Response via : Initial Calibration

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

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

