

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075729.D
 Acq On : 12 Dec 2022 21:40
 Operator : JC\MD
 Sample : N5978-08MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-07MSD

Quant Time: Dec 13 01:35:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2022
 Supervised By : Mahesh Dadoda 12/13/2022

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	211182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	162265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	113780	50.779	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.560%			
35) Dibromofluoromethane	8.171	113	106125	50.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	10.571	98	401477	51.167	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.340%			
62) 4-Bromofluorobenzene	12.853	95	140546	52.389	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	77610	49.967	ug/l	99
3) Chloromethane	2.377	50	87915	47.507	ug/l	100
4) Vinyl Chloride	2.524	62	112442	49.465	ug/l	100
5) Bromomethane	2.948	94	91676	47.353	ug/l	96
6) Chloroethane	3.124	64	82892	48.874	ug/l	100
7) Trichlorofluoromethane	3.506	101	168428	51.068	ug/l	98
8) Diethyl Ether	3.977	74	61385	50.911	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	95587	49.385	ug/l	99
10) Methyl Iodide	4.606	142	158508	50.114	ug/l	100
11) Tert butyl alcohol	5.536	59	71035	214.293	ug/l	99
12) 1,1-Dichloroethene	4.359	96	93340	51.593	ug/l	95
13) Acrolein	4.195	56	116328	304.703	ug/l	100
14) Allyl chloride	5.036	41	108326	48.082	ug/l	99
15) Acrylonitrile	5.730	53	213019	248.787	ug/l	99
16) Acetone	4.436	43	158839	209.323	ug/l	97
17) Carbon Disulfide	4.724	76	240092	50.154	ug/l	100
18) Methyl Acetate	5.042	43	105516	43.274	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	348836	57.320	ug/l	98
20) Methylene Chloride	5.295	84	108106	47.789	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	101983	50.443	ug/l	94
22) Diisopropyl ether	6.683	45	282059	55.024	ug/l	99
23) Vinyl Acetate	6.612	43	1018830m	260.651	ug/l	
24) 1,1-Dichloroethane	6.583	63	174971	51.855	ug/l	99
25) 2-Butanone	7.494	43	263572	237.604	ug/l	100
26) 2,2-Dichloropropane	7.500	77	138413	48.097	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	128118	52.198	ug/l	99
28) Bromochloromethane	7.818	49	69094	51.214	ug/l	99
29) Tetrahydrofuran	7.847	42	171388	250.665	ug/l	99
30) Chloroform	7.971	83	198156	53.019	ug/l	99
31) Cyclohexane	8.265	56	159822	48.175	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	184028	53.371	ug/l	98
36) 1,1-Dichloropropene	8.377	75	144751	52.175	ug/l	99
37) Ethyl Acetate	7.565	43	108223	48.586	ug/l	98
38) Carbon Tetrachloride	8.371	117	163192	50.974	ug/l	100
39) Methylcyclohexane	9.606	83	189843	53.964	ug/l	98
40) Benzene	8.612	78	439238	51.589	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075729.D
 Acq On : 12 Dec 2022 21:40
 Operator : JC\MD
 Sample : N5978-08MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-07MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2022
 Supervised By : Mahesh Dadoda 12/13/2022

Quant Time: Dec 13 01:35:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	59915	52.458	ug/l	98
42) 1,2-Dichloroethane	8.677	62	144576	50.761	ug/l	99
43) Isopropyl Acetate	8.694	43	189857	51.055	ug/l	100
44) Trichloroethene	9.359	130	119455	49.732	ug/l	97
45) 1,2-Dichloropropane	9.624	63	104410	51.561	ug/l	96
46) Dibromomethane	9.712	93	79833	52.511	ug/l	99
47) Bromodichloromethane	9.888	83	159028	53.350	ug/l	96
48) Methyl methacrylate	9.682	41	90231	52.684	ug/l	99
49) 1,4-Dioxane	9.700	88	38083	914.738	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	584928	255.094	ug/l	100
52) Toluene	10.635	92	298343	53.014	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	161811	54.963	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	173759	53.050	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	115696	52.287	ug/l	97
56) Ethyl methacrylate	10.877	69	162155	54.084	ug/l	99
57) 1,3-Dichloropropane	11.165	76	184970	51.719	ug/l	99
59) 2-Hexanone	11.200	43	424530	254.835	ug/l	99
60) Dibromochloromethane	11.359	129	132054	54.235	ug/l	99
61) 1,2-Dibromoethane	11.471	107	118295	51.028	ug/l	99
64) Tetrachloroethene	11.106	164	104426	45.319	ug/l	97
65) Chlorobenzene	11.894	112	322667	49.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	121594	51.347	ug/l	100
67) Ethyl Benzene	11.965	91	579441	52.624	ug/l	99
68) m/p-Xylenes	12.076	106	464341	104.367	ug/l	100
69) o-Xylene	12.400	106	229927	53.256	ug/l	98
70) Styrene	12.412	104	378468	54.657	ug/l	99
71) Bromoform	12.582	173	95437	53.168	ug/l #	99
73) Isopropylbenzene	12.700	105	604629	51.895	ug/l	100
74) N-amyl acetate	12.494	43	178103	52.612	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	166815	47.663	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	140030m	42.971	ug/l	
77) Bromobenzene	12.982	156	144393	49.281	ug/l	99
78) n-propylbenzene	13.041	91	691218	53.465	ug/l	99
79) 2-Chlorotoluene	13.129	91	403409	50.542	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	518854	53.266	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	44219	44.522	ug/l	98
82) 4-Chlorotoluene	13.129	91	403409	50.542	ug/l	99
83) tert-Butylbenzene	13.441	119	460924	52.180	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	523390	53.461	ug/l	100
85) sec-Butylbenzene	13.618	105	654002	53.855	ug/l	99
86) p-Isopropyltoluene	13.729	119	556706	54.789	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	276395	50.442	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	276764	49.657	ug/l	100
89) n-Butylbenzene	14.059	91	462673	56.812	ug/l	98
90) Hexachloroethane	14.335	117	94445	54.265	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	271070	49.715	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	28382	49.351	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	138791	53.019	ug/l	100
94) Hexachlorobutadiene	15.506	225	73353	49.388	ug/l	98
95) Naphthalene	15.641	128	405100	52.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	133653	51.960	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
Data File : VN075729.D
Acq On : 12 Dec 2022 21:40
Operator : JC\MD
Sample : N5978-08MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-07MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

Quant Time: Dec 13 01:35:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration

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

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

