

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069980.D
 Acq On : 11 Dec 2021 1:45
 Operator : JC/MD
 Sample : VN1210WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/11/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 11 05:29:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	915013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1525089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1398377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	562490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	740164	52.391	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.780%			
35) Dibromofluoromethane	8.024	113	512177	53.615	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.240%			
50) Toluene-d8	10.440	98	1938496	50.537	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.731	95	677561	48.759	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	196577	18.419	ug/l	98
3) Chloromethane	2.303	50	243421	18.206	ug/l	100
4) Vinyl Chloride	2.448	62	226140	18.394	ug/l	99
5) Bromomethane	2.850	94	127623	19.108	ug/l	99
6) Chloroethane	3.019	64	137560	18.259	ug/l	99
7) Trichlorofluoromethane	3.376	101	302268	18.733	ug/l	99
8) Diethyl Ether	3.824	74	121989	19.630	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.210	101	174632	19.308	ug/l	96
10) Methyl Iodide	4.419	142	217345	17.590	ug/l #	92
11) Tert butyl alcohol	5.380	59	227423	85.161	ug/l #	85
12) 1,1-Dichloroethene	4.183	96	164123	18.830	ug/l	89
13) Acrolein	4.041	56	211596	93.043	ug/l	99
14) Allyl chloride	4.840	41	382653	19.483	ug/l	92
15) Acrylonitrile	5.557	53	661716	91.956	ug/l	98
16) Acetone	4.288	43	621050	73.077	ug/l	96
17) Carbon Disulfide	4.529	76	448262	19.907	ug/l	99
18) Methyl Acetate	4.857	43	479186	18.680	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	649068	19.152	ug/l	97
20) Methylene Chloride	5.101	84	208165	18.425	ug/l #	85
21) trans-1,2-Dichloroethene	5.597	96	176781	18.674	ug/l	87
22) Diisopropyl ether	6.501	45	768779	20.027	ug/l	96
23) Vinyl Acetate	6.436	43	3110435	99.596	ug/l #	93
24) 1,1-Dichloroethane	6.391	63	397876	20.009	ug/l	97
25) 2-Butanone	7.340	43	958571	83.015	ug/l	92
26) 2,2-Dichloropropane	7.327	77	264764	17.125	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	213283	18.648	ug/l	86
28) Bromochloromethane	7.659	49	223216	21.586	ug/l #	78
29) Tetrahydrofuran	7.689	42	642641	91.654	ug/l #	86
30) Chloroform	7.820	83	395524	19.695	ug/l	99
31) Cyclohexane	8.094	56	370250	18.832	ug/l	90
32) 1,1,1-Trichloroethane	8.016	97	340303	19.893	ug/l	95
36) 1,1-Dichloropropene	8.222	75	274861	18.932	ug/l	96
37) Ethyl Acetate	7.415	43	384307	17.785	ug/l	95
38) Carbon Tetrachloride	8.209	117	288064	20.233	ug/l	95
39) Methylcyclohexane	9.461	83	305798	17.708	ug/l #	88
40) Benzene	8.461	78	855472	19.277	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069980.D
 Acq On : 11 Dec 2021 1:45
 Operator : JC/MD
 Sample : VN1210WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/11/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 11 05:29:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	195355	19.259	ug/l #	89
42) 1,2-Dichloroethane	8.531	62	346186	19.325	ug/l	96
43) Isopropyl Acetate	8.560	43	608310	19.023	ug/l #	93
44) Trichloroethene	9.217	130	197596	18.655	ug/l	92
45) 1,2-Dichloropropane	9.491	63	233301	19.577	ug/l	98
46) Dibromomethane	9.577	93	151379	19.369	ug/l	93
47) Bromodichloromethane	9.765	83	320821	21.681	ug/l	100
48) Methyl methacrylate	9.561	41	274514	18.395	ug/l	86
49) 1,4-Dioxane	9.571	88	86016	321.236	ug/l #	79
51) 4-Methyl-2-Pentanone	10.330	43	1974652	95.189	ug/l	94
52) Toluene	10.505	92	513405	18.950	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	313139	19.403	ug/l	98
54) cis-1,3-Dichloropropene	10.191	75	338305	19.384	ug/l #	87
55) 1,1,2-Trichloroethane	10.899	97	211016	19.304	ug/l	97
56) Ethyl methacrylate	10.762	69	343553	18.176	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	374770	19.471	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	355565	77.529	ug/l	90
59) 2-Hexanone	11.087	43	1379752	87.923	ug/l	92
60) Dibromochloromethane	11.240	129	231006	21.162	ug/l	100
61) 1,2-Dibromoethane	11.347	107	213310	18.840	ug/l	99
64) Tetrachloroethene	10.977	164	172912	18.236	ug/l	95
65) Chlorobenzene	11.771	112	540071	19.037	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	208827	20.914	ug/l	99
67) Ethyl Benzene	11.846	91	989181	19.196	ug/l	95
68) m/p-Xylenes	11.953	106	712948	37.997	ug/l	91
69) o-Xylene	12.280	106	357161	18.898	ug/l	92
70) Styrene	12.294	104	579337	19.331	ug/l	95
71) Bromoform	12.457	173	172638	21.842	ug/l #	99
73) Isopropylbenzene	12.578	105	922721	18.438	ug/l	99
74) N-amyl acetate	12.390	43	404933	18.296	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	334531	19.330	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	288227m	17.868	ug/l	
77) Bromobenzene	12.860	156	218076	18.552	ug/l	78
78) n-propylbenzene	12.921	91	1047648	18.812	ug/l	96
79) 2-Chlorotoluene	13.007	91	659205	18.733	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	756655	18.784	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	85806	20.056	ug/l	91
82) 4-Chlorotoluene	13.106	91	619562	18.722	ug/l	92
83) tert-Butylbenzene	13.323	119	663839	18.612	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	742304	19.350	ug/l	97
85) sec-Butylbenzene	13.503	105	897728	18.556	ug/l	97
86) p-Isopropyltoluene	13.616	119	706253	18.676	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	357396	18.507	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	347485	18.310	ug/l	95
89) n-Butylbenzene	13.943	91	546747	17.823	ug/l	98
90) Hexachloroethane	14.211	117	150473	22.663	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	352719	18.745	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.605	75	62543	20.000	ug/l	76
93) 1,2,4-Trichlorobenzene	15.265	180	149775	18.173	ug/l	96
94) Hexachlorobutadiene	15.370	225	94767	19.004	ug/l	100
95) Naphthalene	15.507	128	400589	17.396	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	149111	18.207	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
Data File : VN069980.D
Acq On : 11 Dec 2021 1:45
Operator : JC/MD
Sample : VN1210WBSD02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2021
Supervised By :Amit Patel 12/14/2021

Quant Time: Dec 11 05:29:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

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

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

