

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110921\
 Data File : VN069429.D
 Acq On : 9 Nov 2021 20:10
 Operator : JC/MD
 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Semsettin Yesilyurt 11/17/2021

Quant Time: Nov 10 16:19:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	925307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1618022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1532052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	629704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	733216	54.650	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.300%			
35) Dibromofluoromethane	8.024	113	501252	51.653	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.300%			
50) Toluene-d8	10.443	98	2011661	52.708	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.420%			
62) 4-Bromofluorobenzene	12.733	95	691121	49.292	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	219949	22.250	ug/l	96
3) Chloromethane	2.303	50	246086	21.465	ug/l	98
4) Vinyl Chloride	2.445	62	259049	22.567	ug/l	99
5) Bromomethane	2.853	94	166612	22.348	ug/l	98
6) Chloroethane	3.019	64	171060	22.077	ug/l	97
7) Trichlorofluoromethane	3.373	101	383995	21.644	ug/l	97
8) Diethyl Ether	3.824	74	128787	22.437	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.205	101	178073	21.308	ug/l	94
10) Methyl Iodide	4.417	142	210443	20.531	ug/l	96
11) Tert butyl alcohol	5.390	59	270132	111.736	ug/l	100
12) 1,1-Dichloroethene	4.175	96	163199	21.761	ug/l	91
13) Acrolein	4.044	56	35757	100.491	ug/l	93
14) Allyl chloride	4.840	41	350595	21.144	ug/l	94
15) Acrylonitrile	5.562	53	711083	114.857	ug/l	97
16) Acetone	4.293	43	708375	97.859	ug/l	98
17) Carbon Disulfide	4.524	76	343496	19.376	ug/l	100
18) Methyl Acetate	4.859	43	528329	22.453	ug/l	93
19) Methyl tert-butyl Ether	5.621	73	697938	21.990	ug/l	97
20) Methylene Chloride	5.098	84	211269	20.582	ug/l #	87
21) trans-1,2-Dichloroethene	5.597	96	176764	21.102	ug/l	87
22) Diisopropyl ether	6.501	45	779506	21.824	ug/l	95
23) Vinyl Acetate	6.439	43	3047242	110.308	ug/l	96
24) 1,1-Dichloroethane	6.388	63	391738	21.533	ug/l	99
25) 2-Butanone	7.343	43	1085061	110.699	ug/l	93
26) 2,2-Dichloropropane	7.327	77	278917	19.595	ug/l	97
27) cis-1,2-Dichloroethene	7.329	96	224317	21.602	ug/l	90
28) Bromochloromethane	7.659	49	203982	21.895	ug/l #	79
29) Tetrahydrofuran	7.691	42	717251	119.240	ug/l	90
30) Chloroform	7.820	83	403867	21.654	ug/l	100
31) Cyclohexane	8.094	56	376533	20.543	ug/l	93
32) 1,1,1-Trichloroethane	8.016	97	337958	21.709	ug/l	97
36) 1,1-Dichloropropene	8.222	75	282591	20.756	ug/l	97
37) Ethyl Acetate	7.418	43	437364	23.765	ug/l #	94
38) Carbon Tetrachloride	8.206	117	267565	20.356	ug/l	98
39) Methylcyclohexane	9.461	83	331862	19.595	ug/l	92
40) Benzene	8.461	78	879951	20.939	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110921\
 Data File : VN069429.D
 Acq On : 9 Nov 2021 20:10
 Operator : JC/MD
 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Semsettin Yesilyurt 11/17/2021

Quant Time: Nov 10 16:19:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	203011	21.348	ug/l	91
42) 1,2-Dichloroethane	8.534	62	352318	21.411	ug/l	97
43) Isopropyl Acetate	8.566	43	646199	21.860	ug/l	94
44) Trichloroethene	9.217	130	205043	20.387	ug/l	93
45) 1,2-Dichloropropane	9.491	63	240118	21.386	ug/l	99
46) Dibromomethane	9.579	93	157442	20.936	ug/l	91
47) Bromodichloromethane	9.765	83	291620	20.781	ug/l	100
48) Methyl methacrylate	9.563	41	290512	20.888	ug/l	92
49) 1,4-Dioxane	9.571	88	111525	427.888	ug/l	90
51) 4-Methyl-2-Pentanone	10.333	43	2213037	115.983	ug/l	95
52) Toluene	10.507	92	558744	21.342	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	296343	18.907	ug/l	97
54) cis-1,3-Dichloropropene	10.191	75	328758	19.188	ug/l	90
55) 1,1,2-Trichloroethane	10.899	97	227618	21.568	ug/l	97
56) Ethyl methacrylate	10.765	69	378604	20.308	ug/l	86
57) 1,3-Dichloropropane	11.047	76	392993	21.192	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	408974	95.460	ug/l	92
59) 2-Hexanone	11.087	43	1621706	105.405	ug/l	93
60) Dibromochloromethane	11.240	129	201381	18.963	ug/l	100
61) 1,2-Dibromoethane	11.347	107	232122	20.355	ug/l	98
64) Tetrachloroethene	10.979	164	184733	19.970	ug/l	95
65) Chlorobenzene	11.773	112	586417	20.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	207276	20.956	ug/l	98
67) Ethyl Benzene	11.846	91	1091490	20.753	ug/l	97
68) m/p-Xylenes	11.956	106	794234	41.060	ug/l	92
69) o-Xylene	12.280	106	400228	20.754	ug/l	93
70) Styrene	12.296	104	637699	19.378	ug/l	97
71) Bromoform	12.460	173	137686	18.360	ug/l #	99
73) Isopropylbenzene	12.581	105	1050450	20.951	ug/l	99
74) N-amyl acetate	12.390	43	471384	22.185	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	375687	22.217	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	335028m	23.054	ug/l	
77) Bromobenzene	12.862	156	244313	21.307	ug/l	82
78) n-propylbenzene	12.921	91	1177402	20.870	ug/l	97
79) 2-Chlorotoluene	13.010	91	733382	20.995	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	853852	21.066	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.629	75	78482	20.002	ug/l	85
82) 4-Chlorotoluene	13.106	91	682727	20.503	ug/l	93
83) tert-Butylbenzene	13.326	119	745849	20.999	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	835058	21.341	ug/l	97
85) sec-Butylbenzene	13.503	105	1039756	20.956	ug/l	98
86) p-Isopropyltoluene	13.616	119	809857	20.561	ug/l	97
87) 1,3-Dichlorobenzene	13.619	146	408377	20.542	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	399489	20.484	ug/l	97
89) n-Butylbenzene	13.943	91	631075	19.213	ug/l	97
90) Hexachloroethane	14.211	117	129629	19.293	ug/l	84
91) 1,2-Dichlorobenzene	13.989	146	403568	21.334	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	63756	21.347	ug/l	81
93) 1,2,4-Trichlorobenzene	15.263	180	172642	19.447	ug/l	97
94) Hexachlorobutadiene	15.373	225	101045	20.557	ug/l	99
95) Naphthalene	15.507	128	528061	21.660	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	175536	20.516	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110921\
Data File : VN069429.D
Acq On : 9 Nov 2021 20:10
Operator : JC/MD
Sample : VN1109WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/11/2021
Supervised By :Semsettin Yesilyurt 11/17/2021

Quant Time: Nov 10 16:19:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration

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

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

