

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111221\
 Data File : VN069469.D
 Acq On : 12 Nov 2021 15:49
 Operator : JC/MD
 Sample : VN1112WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 03:27:35 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	983210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1663473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1544064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	654662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	731657	51.323	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.640%			
35) Dibromofluoromethane	8.024	113	500596	50.176	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.360%			
50) Toluene-d8	10.443	98	1988323	50.673	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.340%			
62) 4-Bromofluorobenzene	12.734	95	695338	48.238	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.075	85	209339	19.929	ug/l	100
3) Chloromethane	2.303	50	233080	19.133	ug/l	99
4) Vinyl Chloride	2.448	62	228531	18.736	ug/l	99
5) Bromomethane	2.856	94	153929	19.431	ug/l	100
6) Chloroethane	3.019	64	153533	18.648	ug/l	98
7) Trichlorofluoromethane	3.376	101	358236	19.003	ug/l	98
8) Diethyl Ether	3.821	74	125782	20.623	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.202	101	172804	19.460	ug/l	94
10) Methyl Iodide	4.419	142	206708	18.979	ug/l	98
11) Tert butyl alcohol	5.385	59	245188	95.446	ug/l	97
12) 1,1-Dichloroethene	4.178	96	152945	19.193	ug/l	94
13) Acrolein	4.044	56	30690	79.866	ug/l #	55
14) Allyl chloride	4.840	41	338054	19.187	ug/l	96
15) Acrylonitrile	5.557	53	691394	105.100	ug/l	99
16) Acetone	4.291	43	684141	88.945	ug/l	97
17) Carbon Disulfide	4.527	76	290858	15.441	ug/l	99
18) Methyl Acetate	4.859	43	508544	20.339	ug/l	92
19) Methyl tert-butyl Ether	5.621	73	712177	21.117	ug/l	97
20) Methylene Chloride	5.098	84	211722	19.411	ug/l	88
21) trans-1,2-Dichloroethene	5.599	96	170683	19.176	ug/l	88
22) Diisopropyl ether	6.501	45	801066	21.107	ug/l	95
23) Vinyl Acetate	6.436	43	3059611	104.233	ug/l	96
24) 1,1-Dichloroethane	6.388	63	383282	19.828	ug/l	98
25) 2-Butanone	7.340	43	1043419	100.182	ug/l	91
26) 2,2-Dichloropropane	7.329	77	275035	18.185	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	228945	20.750	ug/l	90
28) Bromochloromethane	7.659	49	211888	21.404	ug/l #	80
29) Tetrahydrofuran	7.689	42	676273	105.807	ug/l	90
30) Chloroform	7.817	83	406944	20.534	ug/l	99
31) Cyclohexane	8.096	56	367568	18.872	ug/l	92
32) 1,1,1-Trichloroethane	8.016	97	322110	19.472	ug/l	96
36) 1,1-Dichloropropene	8.222	75	270628	19.335	ug/l	97
37) Ethyl Acetate	7.415	43	407046	21.513	ug/l	95
38) Carbon Tetrachloride	8.209	117	253344	18.748	ug/l	98
39) Methylcyclohexane	9.462	83	331004	19.010	ug/l	91
40) Benzene	8.461	78	877899	20.320	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111221\
 Data File : VN069469.D
 Acq On : 12 Nov 2021 15:49
 Operator : JC/MD
 Sample : VN1112WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 03:27:35 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	210988	21.581	ug/l	87
42) 1,2-Dichloroethane	8.531	62	358053	21.165	ug/l	97
43) Isopropyl Acetate	8.563	43	642593	21.144	ug/l #	94
44) Trichloroethene	9.217	130	208774	20.191	ug/l	92
45) 1,2-Dichloropropane	9.494	63	243439	21.090	ug/l	100
46) Dibromomethane	9.577	93	161626	20.905	ug/l	90
47) Bromodichloromethane	9.765	83	291759	20.222	ug/l	99
48) Methyl methacrylate	9.561	41	290612	20.325	ug/l	88
49) 1,4-Dioxane	9.571	88	109246	409.535	ug/l	89
51) 4-Methyl-2-Pentanone	10.333	43	2140334	109.107	ug/l	95
52) Toluene	10.508	92	557437	20.711	ug/l	99
53) t-1,3-Dichloropropene	10.722	75	298082	18.555	ug/l	98
54) cis-1,3-Dichloropropene	10.191	75	328649	18.705	ug/l	90
55) 1,1,2-Trichloroethane	10.899	97	233360	21.508	ug/l	98
56) Ethyl methacrylate	10.762	69	383654	20.046	ug/l	87
57) 1,3-Dichloropropane	11.047	76	402123	21.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.044	63	451141	100.764	ug/l	93
59) 2-Hexanone	11.087	43	1520967	96.853	ug/l	94
60) Dibromochloromethane	11.240	129	202487	18.599	ug/l	100
61) 1,2-Dibromoethane	11.347	107	237096	20.230	ug/l	97
64) Tetrachloroethene	10.980	164	191495	20.540	ug/l	95
65) Chlorobenzene	11.771	112	598296	20.817	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	206897	20.755	ug/l	99
67) Ethyl Benzene	11.846	91	1088905	20.543	ug/l	96
68) m/p-Xylenes	11.956	106	800928	41.084	ug/l	94
69) o-Xylene	12.283	106	399144	20.537	ug/l	92
70) Styrene	12.296	104	650998	19.609	ug/l	97
71) Bromoform	12.460	173	135235	17.980	ug/l #	100
73) Isopropylbenzene	12.581	105	1063159	20.396	ug/l	99
74) N-amyl acetate	12.390	43	459074	20.782	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.827	83	365771	20.806	ug/l	100
76) 1,2,3-Trichloropropane	12.884	75	323716m	21.427	ug/l	
77) Bromobenzene	12.862	156	243413	20.419	ug/l	81
78) n-propylbenzene	12.921	91	1178719	20.097	ug/l	96
79) 2-Chlorotoluene	13.010	91	737544	20.309	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	863759	20.498	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.629	75	73410	18.577	ug/l #	83
82) 4-Chlorotoluene	13.106	91	698905	20.189	ug/l	94
83) tert-Butylbenzene	13.326	119	765118	20.720	ug/l	95
84) 1,2,4-Trimethylbenzene	13.372	105	834683	20.518	ug/l	99
85) sec-Butylbenzene	13.503	105	1041370	20.188	ug/l	98
86) p-Isopropyltoluene	13.619	119	836371	20.425	ug/l	96
87) 1,3-Dichlorobenzene	13.619	146	423301	20.481	ug/l	98
88) 1,4-Dichlorobenzene	13.696	146	409570	20.200	ug/l	97
89) n-Butylbenzene	13.946	91	672022	19.680	ug/l	97
90) Hexachloroethane	14.214	117	117832	17.140	ug/l	86
91) 1,2-Dichlorobenzene	13.991	146	412969	20.998	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.606	75	58691	19.108	ug/l	83
93) 1,2,4-Trichlorobenzene	15.265	180	191370	20.528	ug/l	97
94) Hexachlorobutadiene	15.373	225	108907	21.312	ug/l	98
95) Naphthalene	15.509	128	598845	23.223	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	194521	21.659	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111221\
Data File : VN069469.D
Acq On : 12 Nov 2021 15:49
Operator : JC/MD
Sample : VN1112WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 03:27:35 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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111221\
 Data File : VN069469.D
 Acq On : 12 Nov 2021 15:49
 Operator : JC/MD
 Sample : VN1112WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 11/15/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 03:27:35 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

