

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
 Data File : VN069586.D
 Acq On : 19 Nov 2021 15:13
 Operator : JC/MD
 Sample : VN1119WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2021
 Supervised By : Mahesh Dadoda 12/01/2021

Quant Time: Nov 22 05:03:59 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	8.086	168	1085386	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1592062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1459272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	606616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	704684	44.777	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.560%		
35) Dibromofluoromethane	8.021	113	501417	52.513	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.020%		
50) Toluene-d8	10.440	98	1870724	49.814	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.620%		
62) 4-Bromofluorobenzene	12.731	95	680367	49.316	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.640%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	179308	15.463	ug/l	98
3) Chloromethane	2.303	50	201182	14.960	ug/l	98
4) Vinyl Chloride	2.448	62	197104	14.638	ug/l	100
5) Bromomethane	2.859	94	124386	14.224	ug/l	100
6) Chloroethane	3.022	64	128513	14.140	ug/l	100
7) Trichlorofluoromethane	3.376	101	300269	14.429	ug/l	98
8) Diethyl Ether	3.824	74	114978	17.077	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.208	101	166455	16.980	ug/l	97
10) Methyl Iodide	4.419	142	198355	16.497	ug/l	98
11) Tert butyl alcohol	5.380	59	232890	82.124	ug/l	100
12) 1,1-Dichloroethene	4.178	96	146839	16.692	ug/l	92
13) Acrolein	4.039	56	41576	99.553	ug/l	99
14) Allyl chloride	4.840	41	316960	16.297	ug/l	# 93
15) Acrylonitrile	5.557	53	638030	87.858	ug/l	99
16) Acetone	4.288	43	765605	90.166	ug/l	96
17) Carbon Disulfide	4.524	76	257273	12.372	ug/l	98
18) Methyl Acetate	4.859	43	474214	17.181	ug/l	93
19) Methyl tert-butyl Ether	5.618	73	637710	17.129	ug/l	96
20) Methylene Chloride	5.101	84	194390	16.145	ug/l	89
21) trans-1,2-Dichloroethene	5.594	96	155054	15.780	ug/l	90
22) Diisopropyl ether	6.498	45	730526	17.437	ug/l	95
23) Vinyl Acetate	6.436	43	2773197	85.582	ug/l	95
24) 1,1-Dichloroethane	6.388	63	360176	16.878	ug/l	98
25) 2-Butanone	7.337	43	1011548	87.979	ug/l	91
26) 2,2-Dichloropropane	7.327	77	301843	18.079	ug/l	93
27) cis-1,2-Dichloroethene	7.324	96	202621	16.635	ug/l	87
28) Bromochloromethane	7.657	49	199682	18.272	ug/l	# 80
29) Tetrahydrofuran	7.689	42	620251	87.907	ug/l	90
30) Chloroform	7.817	83	380711	17.402	ug/l	100
31) Cyclohexane	8.094	56	327851	15.249	ug/l	# 86
32) 1,1,1-Trichloroethane	8.013	97	316103	17.310	ug/l	88
36) 1,1-Dichloropropene	8.222	75	252030	18.814	ug/l	96
37) Ethyl Acetate	7.415	43	379928	20.980	ug/l	96
38) Carbon Tetrachloride	8.206	117	245446	18.978	ug/l	98
39) Methylcyclohexane	9.459	83	301555	18.096	ug/l	90
40) Benzene	8.461	78	790981	19.129	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
 Data File : VN069586.D
 Acq On : 19 Nov 2021 15:13
 Operator : JC/MD
 Sample : VN1119WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2021
 Supervised By : Mahesh Dadoda 12/01/2021

Quant Time: Nov 22 05:03:59 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	7.638	41	185789	19.856	ug/l	89
42) 1,2-Dichloroethane	8.531	62	331441	20.471	ug/l	96
43) Isopropyl Acetate	8.563	43	593570	20.407	ug/l #	96
44) Trichloroethene	9.217	130	189872	19.187	ug/l	88
45) 1,2-Dichloropropane	9.488	63	222084	20.103	ug/l	99
46) Dibromomethane	9.577	93	146880	19.850	ug/l	92
47) Bromodichloromethane	9.762	83	283597	20.538	ug/l	98
48) Methyl methacrylate	9.561	41	263403	19.248	ug/l	89
49) 1,4-Dioxane	9.572	88	91446	363.081	ug/l	92
51) 4-Methyl-2-Pentanone	10.331	43	1958145	104.297	ug/l	95
52) Toluene	10.505	92	490081	19.025	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	277178	18.102	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	302424	18.051	ug/l #	90
55) 1,1,2-Trichloroethane	10.899	97	211305	20.349	ug/l	97
56) Ethyl methacrylate	10.760	69	339512	18.690	ug/l #	75
57) 1,3-Dichloropropane	11.047	76	365886	20.052	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	377958	91.043	ug/l	91
59) 2-Hexanone	11.087	43	1427648	95.141	ug/l	93
60) Dibromochloromethane	11.240	129	193156	18.546	ug/l	99
61) 1,2-Dibromoethane	11.347	107	236222	21.015	ug/l	86
64) Tetrachloroethene	10.977	164	171664	19.482	ug/l	93
65) Chlorobenzene	11.771	112	532717	19.613	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	201814	21.421	ug/l	97
67) Ethyl Benzene	11.846	91	977480	19.512	ug/l	95
68) m/p-Xylenes	11.953	106	722136	39.194	ug/l	98
69) o-Xylene	12.280	106	360463	19.625	ug/l	93
70) Styrene	12.294	104	577322	18.494	ug/l	98
71) Bromoform	12.457	173	144018	19.826	ug/l #	99
73) Isopropylbenzene	12.578	105	969759	20.078	ug/l	98
74) N-amyl acetate	12.388	43	409777	20.019	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.827	83	338666	20.790	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	292017m	20.859	ug/l	
77) Bromobenzene	12.862	156	220841	19.993	ug/l	81
78) n-propylbenzene	12.921	91	1103392	20.303	ug/l	98
79) 2-Chlorotoluene	13.007	91	634075	18.843	ug/l	97
80) 1,3,5-Trimethylbenzene	13.058	105	789825	20.228	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	108730	26.231	ug/l #	65
82) 4-Chlorotoluene	13.106	91	610760	19.040	ug/l	94
83) tert-Butylbenzene	13.348	119	1711754	50.027	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.369	105	798332	21.179	ug/l	76
85) sec-Butylbenzene	13.503	105	940339	19.673	ug/l	98
86) p-Isopropyltoluene	13.616	119	746834	19.683	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	372736	19.463	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	360246	19.175	ug/l	95
89) n-Butylbenzene	13.943	91	586389	18.532	ug/l	97
90) Hexachloroethane	14.211	117	127290	19.624	ug/l	85
91) 1,2-Dichlorobenzene	13.989	146	375500	20.605	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.606	75	59272	20.664	ug/l	79
93) 1,2,4-Trichlorobenzene	15.265	180	167499	19.563	ug/l	98
94) Hexachlorobutadiene	15.370	225	104172	22.000	ug/l	98
95) Naphthalene	15.507	128	465995	20.215	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	166708	20.270	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
Data File : VN069586.D
Acq On : 19 Nov 2021 15:13
Operator : JC/MD
Sample : VN1119WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/01/2021
Supervised By :Mahesh Dadoda 12/01/2021

Quant Time: Nov 22 05:03:59 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

Manual Integrations APPROVED

Reviewed By :John Carlone 12/01/2021
Supervised By :Mahesh Dadoda 12/01/2021

Abundance

TIC: VN069586.D\data.ms

Time-->

5000000

4800000

4600000

4400000

4200000

4000000

3800000

3600000

3400000

3200000

3000000

2800000

2600000

2400000

2200000

2000000

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

Dichlorodifluoromethane, T

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

1,1,2,2-Tetrachloroethane, T

Acetone, T

Methyl isocyanide, T

Methyl acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acetone, T

1,1-Dichloroethane, P

Diisopropyl ether, T

Vinyl Acetate, T

Diethyl Acetate, T

1,1,2,2-Tetrachloroethane, T

Methyl isocyanide, T

Chloroform, C

1,1,1-Trichloroethane, T

1,1,1-Trichloroethane, S

1,2-Dichloroethane, T

1,2-Dichloroethane, d4, S

1,4-Difluorobenzene, I

1,4-Difluorobenzene, I

Trichloroethene, TM

1,2-Dichloroethane, T

Bromodichloromethane, T

2-Chloroethyl Vinyl ether, T

cis-1,3-Dichloropropene, T

Toluene, CM

1,1,2,2-Tetrachloroethane, T

1,2-Dichloroethane, T

Diphenylchloromethane, T

1,2-Dibromoethane, T

Chlorobenzene, CM

Ethyl acetate, T

Chlorobenzene, T

trans-1,4-Dichloro-2-butene, T

4-Bromofluorobenzene, S

1,1,2,2-Tetrachloroethane, T

4-Chlorotoluene, T

4-Chlorotoluene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, T

n-Butylbenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorobenzene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T

4-Methyl-2-Pentanone, T

Toluene, d8, S

2-Hexanone, T

Chlorobenzene-d5, I

1,2,4-Trimethylbenzene, T