

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
 Data File : VN068885.D
 Acq On : 13 Oct 2021 1:18
 Operator : JC/MD
 Sample : VN1012WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD02

Manual Integrations
 APPROVED

apatel
 10/14/2021 1:29:53 PM

Quant Time: Oct 13 08:26:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	321770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	562233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	509145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	213995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	218706	51.552	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.100%			
35) Dibromofluoromethane	8.024	113	171979	52.575	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.140%			
50) Toluene-d8	10.443	98	679730	51.934	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.860%			
62) 4-Bromofluorobenzene	12.734	95	239396	48.480	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	69536	18.166	ug/l	98
3) Chloromethane	2.303	50	77018	19.583	ug/l	98
4) Vinyl Chloride	2.443	62	84523	21.159	ug/l	99
5) Bromomethane	2.859	94	51965	23.650	ug/l	98
6) Chloroethane	3.019	64	50194	21.321	ug/l	97
7) Trichlorofluoromethane	3.376	101	109685	19.609	ug/l	99
8) Diethyl Ether	3.829	74	40096	19.217	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.218	101	58187	19.346	ug/l	98
10) Methyl Iodide	4.428	142	78156	17.903	ug/l	100
11) Tert butyl alcohol	5.361	59	70023	90.328	ug/l	98
12) 1,1-Dichloroethene	4.189	96	58262	18.739	ug/l	94
13) Acrolein	4.049	56	27512	80.227	ug/l	93
14) Allyl chloride	4.846	41	104759	18.796	ug/l	98
15) Acrylonitrile	5.554	53	166792	96.022	ug/l	100
16) Acetone	4.288	43	134978	85.257	ug/l	98
17) Carbon Disulfide	4.535	76	159114	18.857	ug/l	99
18) Methyl Acetate	4.857	43	124426	20.720	ug/l	99
19) Methyl tert-butyl Ether	5.618	73	222955	19.258	ug/l	100
20) Methylene Chloride	5.103	84	70953	19.471	ug/l	98
21) trans-1,2-Dichloroethene	5.602	96	62910	18.729	ug/l	97
22) Diisopropyl ether	6.495	45	223367	19.271	ug/l	99
23) Vinyl Acetate	6.436	43	836017	95.410	ug/l	100
24) 1,1-Dichloroethane	6.393	63	122885	19.513	ug/l	99
25) 2-Butanone	7.335	43	224430	93.745	ug/l	97
26) 2,2-Dichloropropane	7.327	77	91033	15.168	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	75267	18.537	ug/l	97
28) Bromochloromethane	7.659	49	50034	17.542	ug/l	95
29) Tetrahydrofuran	7.686	42	151879	97.804	ug/l	99
30) Chloroform	7.820	83	128386	19.345	ug/l	99
31) Cyclohexane	8.096	56	119406	18.102	ug/l	95
32) 1,1,1-Trichloroethane	8.019	97	119245	19.274	ug/l	99
36) 1,1-Dichloropropene	8.225	75	92206	19.200	ug/l	99
37) Ethyl Acetate	7.413	43	93261	18.803	ug/l	97
38) Carbon Tetrachloride	8.209	117	103282	19.582	ug/l	98
39) Methylcyclohexane	9.462	83	116513	18.850	ug/l	97
40) Benzene	8.461	78	285292	19.509	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	46092	18.435	ug/l	93
42) 1,2-Dichloroethane	8.531	62	99275	19.171	ug/l	99
43) Isopropyl Acetate	8.560	43	194560	22.232	ug/l	95
44) Trichloroethene	9.217	130	71127	19.434	ug/l	96
45) 1,2-Dichloropropane	9.491	63	74085	19.524	ug/l	98
46) Dibromomethane	9.577	93	49871	19.254	ug/l	96
47) Bromodichloromethane	9.762	83	104536	19.475	ug/l	97
48) Methyl methacrylate	9.561	41	77133	18.759	ug/l	97
49) 1,4-Dioxane	9.569	88	26987	360.379	ug/l	98
51) 4-Methyl-2-Pentanone	10.331	43	491097	96.782	ug/l	100
52) Toluene	10.508	92	184294	19.588	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	111027	18.261	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	117892	18.636	ug/l	98
55) 1,1,2-Trichloroethane	10.899	97	71594	19.301	ug/l	99
56) Ethyl methacrylate	10.762	69	117960	18.940	ug/l	98
57) 1,3-Dichloropropane	11.047	76	119728	19.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.044	63	153958	96.488	ug/l	98
59) 2-Hexanone	11.087	43	349220	95.968	ug/l	99
60) Dibromochloromethane	11.240	129	80128	19.137	ug/l	100
61) 1,2-Dibromoethane	11.347	107	74322	19.534	ug/l	100
64) Tetrachloroethene	10.980	164	63593	19.389	ug/l	98
65) Chlorobenzene	11.771	112	188651	19.581	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	74868	19.854	ug/l	99
67) Ethyl Benzene	11.846	91	352887	19.718	ug/l	100
68) m/p-Xylenes	11.956	106	267505	39.430	ug/l	97
69) o-Xylene	12.283	106	135698	19.983	ug/l	96
70) Styrene	12.296	104	214002	19.359	ug/l	99
71) Bromoform	12.460	173	58754	19.450	ug/l #	100
73) Isopropylbenzene	12.581	105	344340	19.332	ug/l	100
74) N-amyl acetate	12.390	43	129497	19.190	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.827	83	104712	20.342	ug/l	100
76) 1,2,3-Trichloropropane	12.881	75	88303m	19.394	ug/l	
77) Bromobenzene	12.862	156	77912	19.781	ug/l	94
78) n-propylbenzene	12.921	91	377634	18.866	ug/l	100
79) 2-Chlorotoluene	13.010	91	234688	19.022	ug/l	99
80) 1,3,5-Trimethylbenzene	13.061	105	287495	19.378	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.626	75	32034	16.832	ug/l	99
82) 4-Chlorotoluene	13.106	91	223523	18.748	ug/l	99
83) tert-Butylbenzene	13.324	119	251143	19.446	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	270513	18.924	ug/l	98
85) sec-Butylbenzene	13.503	105	341482	19.092	ug/l	99
86) p-Isopropyltoluene	13.616	119	271434	18.920	ug/l	99
87) 1,3-Dichlorobenzene	13.616	146	133116	19.539	ug/l	99
88) 1,4-Dichlorobenzene	13.696	146	132533	19.600	ug/l	99
89) n-Butylbenzene	13.943	91	211219	17.685	ug/l	100
90) Hexachloroethane	14.211	117	57254	18.998	ug/l	95
91) 1,2-Dichlorobenzene	13.989	146	132327	19.995	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.603	75	19565	19.714	ug/l	98
93) 1,2,4-Trichlorobenzene	15.265	180	58828	18.118	ug/l	99
94) Hexachlorobutadiene	15.370	225	36359	19.294	ug/l	99
95) Naphthalene	15.509	128	155415	18.268	ug/l	99
96) 1,2,3-Trichlorobenzene	15.703	180	58322	18.711	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Abundance

TIC: VN068885.D\data.ms

Time-->

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

1150000
1100000
1050000
1000000
950000
900000
850000
800000
750000
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0

Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
1,1,2,2-Tetrachloroethane, T
Methyl iodide
Carbon Disulfide, T
Methyl Mercaptan, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methylcyclopentadiene, T
1,1-Dichloroethane, P
Diisopropyl ether, T
Vinyl Acetate, T
Ethyl Acetate, T
Methacrylonitrile, T
Tetrahydrofuran, T
Chloroform, C
1,1,1-Trichloroethane, T
1,2-Dichloroethane, T
Acetone, T
Trichloroethene, TM
1,2-Dichloropropane, T
1,2-Dichloroethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
Toluene, CM
4-Methyl-2-Pentanone, T
4-Methyl-2-Pentanone, T
Toluene-d8, S
Chlorobenzene, T
Ethyl Benzene, T
Chlorobenzene-d5, I
Styrene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
Bromobenzene, T
Propylbenzene, T
1,3,5-Trimethylbenzene, T
4-Chlorotoluene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorocyclopentadiene, I
Naphthalene, T
1,2,3-Trichlorobenzene, T