

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062421\
 Data File : VN067472.D
 Acq On : 24 Jun 2021 10:20
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/25/2021 6:22:24 PM

Quant Time: Jun 24 11:58:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 24 11:57:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	275824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	597817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	528501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	184684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	28926	5.286	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	10.580%#		
35) Dibromofluoromethane	8.019	113	19163	4.905	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	9.820%#		
50) Toluene-d8	10.440	98	80748	5.257	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.520%#		
62) 4-Bromofluorobenzene	12.733	95	28635	4.664	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.320%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	23968	5.804	ug/l	94
3) Chloromethane	2.298	50	27377	6.237	ug/l	100
4) Vinyl Chloride	2.443	62	23535	5.627	ug/l	91
5) Bromomethane	2.832	94	14817	7.808	ug/l	93
6) Chloroethane	3.009	64	15724	6.032	ug/l	93
7) Trichlorofluoromethane	3.368	101	37589	6.333	ug/l	96
8) Diethyl Ether	3.819	74	15535	6.451	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.199	101	20328	5.808	ug/l #	55
10) Methyl Iodide	4.414	142	18060	5.541	ug/l #	87
11) Tert butyl alcohol	5.396	59	27545m	30.611	ug/l	
12) 1,1-Dichloroethene	4.170	96	20975	6.163	ug/l	99
13) Acrolein	4.044	56	20788m	34.082	ug/l	
14) Allyl chloride	4.840	41	42351	5.643	ug/l #	87
15) Acrylonitrile	5.559	53	65468	32.070	ug/l	100
16) Acetone	4.293	43	56623	26.810	ug/l	90
17) Carbon Disulfide	4.521	76	63910	5.781	ug/l	99
18) Methyl Acetate	4.865	43	33996	6.537	ug/l	99
19) Methyl tert-butyl Ether	5.618	73	79610	5.895	ug/l	98
20) Methylene Chloride	5.095	84	28343m	6.301	ug/l	
21) trans-1,2-Dichloroethene	5.597	96	22348m	5.969	ug/l	
22) Diisopropyl ether	6.501	45	89310	6.354	ug/l	95
23) Vinyl Acetate	6.434	43	361973	28.438	ug/l	99
24) 1,1-Dichloroethane	6.385	63	47046	5.998	ug/l	99
25) 2-Butanone	7.343	43	91739	30.062	ug/l	99
26) 2,2-Dichloropropane	7.324	77	41542	5.370	ug/l	98
27) cis-1,2-Dichloroethene	7.332	96	26874	6.072	ug/l	95
28) Bromochloromethane	7.657	49	23408	6.365	ug/l #	49
29) Tetrahydrofuran	7.691	42	55365	28.681	ug/l	97
30) Chloroform	7.823	83	44736	5.511	ug/l	96
31) Cyclohexane	8.094	56	54572	7.090	ug/l #	90
32) 1,1,1-Trichloroethane	8.016	97	36750	5.022	ug/l	95
36) 1,1-Dichloropropene	8.222	75	34549	5.128	ug/l	98
37) Ethyl Acetate	7.418	43	34960	4.903	ug/l	97
38) Carbon Tetrachloride	8.209	117	29773	4.266	ug/l	95
39) Methylcyclohexane	9.459	83	40424	5.644	ug/l	98
40) Benzene	8.458	78	107920	5.706	ug/l	99

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Quant Time: Jun 24 11:58:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 24 11:57:20 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	18530	5.052	ug/l	97
42) 1,2-Dichloroethane	8.528	62	37882	4.865	ug/l	99
43) Isopropyl Acetate	8.566	43	65194	5.131	ug/l	93
44) Trichloroethene	9.217	130	20401	4.747	ug/l	97
45) 1,2-Dichloropropane	9.491	63	28351	5.582	ug/l	94
46) Dibromomethane	9.582	93	17525	5.180	ug/l	90
47) Bromodichloromethane	9.765	83	33280	4.432	ug/l	93
48) Methyl methacrylate	9.563	41	28702	4.989	ug/l	96
49) 1,4-Dioxane	9.571	88	8077	102.258	ug/l	97
51) 4-Methyl-2-Pentanone	10.333	43	191780	26.147	ug/l	99
52) Toluene	10.507	92	60820	5.149	ug/l	96
53) t-1,3-Dichloropropene	10.719	75	36794	4.408	ug/l	96
54) cis-1,3-Dichloropropene	10.186	75	41762	4.882	ug/l	90
55) 1,1,2-Trichloroethane	10.902	97	24086	5.264	ug/l	97
56) Ethyl methacrylate	10.762	69	40654	4.958	ug/l	94
57) 1,3-Dichloropropane	11.047	76	43695	5.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.043	63	41461	17.925	ug/l	92
59) 2-Hexanone	11.087	43	131698	24.610	ug/l	95
60) Dibromochloromethane	11.240	129	19051	3.930	ug/l	96
61) 1,2-Dibromoethane	11.347	107	22242	4.697	ug/l	99
64) Tetrachloroethene	10.979	164	18611	5.037	ug/l	94
65) Chlorobenzene	11.771	112	58104	5.078	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.840	131	19267	4.590	ug/l	95
67) Ethyl Benzene	11.846	91	118795	5.226	ug/l	99
68) m/p-Xylenes	11.956	106	81799	10.210	ug/l	98
69) o-Xylene	12.283	106	40323	5.127	ug/l	99
70) Styrene	12.296	104	62664	4.817	ug/l	97
71) Bromoform	12.463	173	11364	3.602	ug/l #	99
73) Isopropylbenzene	12.581	105	105144	5.843	ug/l	99
74) N-amyl acetate	12.390	43	47871	5.456	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.827	83	34453	6.349	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	32161m	6.490	ug/l	
77) Bromobenzene	12.862	156	19124	5.298	ug/l	89
78) n-propylbenzene	12.921	91	125466	5.822	ug/l	97
79) 2-Chlorotoluene	13.010	91	76811	5.771	ug/l	97
80) 1,3,5-Trimethylbenzene	13.061	105	84826	5.625	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.629	75	8787	4.460	ug/l	92
82) 4-Chlorotoluene	13.109	91	74985	5.678	ug/l	95
83) tert-Butylbenzene	13.326	119	66144	5.539	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	83408	5.606	ug/l	98
85) sec-Butylbenzene	13.503	105	100030	5.841	ug/l	96
86) p-Isopropyltoluene	13.619	119	73689	5.397	ug/l	96
87) 1,3-Dichlorobenzene	13.619	146	35325	5.456	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	32485	4.986	ug/l	89
89) n-Butylbenzene	13.946	91	70943	5.473	ug/l	98
90) Hexachloroethane	14.211	117	12918	4.870	ug/l	84
91) 1,2-Dichlorobenzene	13.991	146	33255	5.374	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.606	75	5208	4.021	ug/l	92
93) 1,2,4-Trichlorobenzene	15.268	180	12652	4.006	ug/l	97
94) Hexachlorobutadiene	15.370	225	7510	4.204	ug/l	97
95) Naphthalene	15.509	128	34219	3.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	11521	3.801	ug/l	95

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VSTDIC005

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QLast Update : Thu Jun 24 11:57:20 2021
Response via : Initial Calibration

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

MMDadoda
6/25/2021 6:22:24 PM

Abundance

TIC: VN067472.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

1200000
1150000
1100000
1050000
1000000
950000
900000
850000
800000
750000
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
1,1,1-Trichloroethane, T
Acetone, T
Methyl Carbon Disulfide, T
Methyl acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
1,1-Dichloroethane, T
Diisopropyl ether, T
Acetate, T
Ethyl Acetate, T
2,2-Dichloropropane, T
Chloroform, C
Dibromodichloromethane, S
1,1,1-Trichloroethane, T
1,2-Dichloropropane, T
1,4-Dichlorobenzene, I
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichloroethane, T
Dibromochloromethane, T
Bromodichloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanone, T
Toluene, CM
1,1,1-Trichloroethane, T
1,1,2-Trichloroethane, T
1,3-Dichloropropane, T
1,2-Dibromoethane, T
1,2-Dibromochloromethane, T
1,1,1-Trichloroethane, T
1,1,2-Trichloroethane, T
1,2-Dichloropropane, T
Bromofuran, T
Bromofuran, T
trans-1,4-Dichloro-2-isopropylbenzene, T
1,4-Dichlorobenzene, T
1,4-Dichlorobenzene, T
4-Chlorobenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,2-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachloroacetate, I
Naphthalene, T
1,2,3-Trichlorobenzene, T