

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
 Data File : VN066779.D
 Acq On : 27 Apr 2021 13:45
 Operator : JC/MD
 Sample : VSTDIC040
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC040

Manual Integrations
 APPROVED

MMDadoda
 4/28/2021 2:38:44 PM

Quant Time: Apr 27 14:05:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 13:17:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.588	168	338693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	536947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	486496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.285	152	238810	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.950	65	165610	37.02	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	74.04%		
35) Dibromofluoromethane	7.511	113	129447	38.14	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	76.28%		
50) Toluene-d8	10.029	98	512356	38.59	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	77.18%		
62) 4-Bromofluorobenzene	12.344	95	180636	39.62	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	79.24%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.836	85	140370	37.61	ug/l	98
3) Chloromethane	2.034	50	172163	34.86	ug/l	100
4) Vinyl Chloride	2.163	62	177539	37.02	ug/l	98
5) Bromomethane	2.511	94	115157	40.31	ug/l	98
6) Chloroethane	2.656	64	111865	37.88	ug/l	99
7) Trichlorofluoromethane	2.970	101	214847	37.38	ug/l	99
8) Diethyl Ether	3.356	74	87520	37.35	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.694	101	129218	38.16	ug/l	98
10) Methyl Iodide	3.885	142	184043	34.66	ug/l	98
11) Tert butyl alcohol	4.703	59	125826	36.69	ug/l	100
12) 1,1-Dichloroethene	3.673	96	127994	36.99	ug/l	92
13) Acrolein	3.544	56	89754	30.77	ug/l	99
14) Allyl chloride	4.244	41	243031	37.35	ug/l	98
15) Acrylonitrile	4.890	53	349570	38.16	ug/l	99
16) Acetone	3.751	43	361674	45.01	ug/l	95
17) Carbon Disulfide	3.984	76	392721	36.97	ug/l	98
18) Methyl Acetate	4.249	43	158426	31.74	ug/l	99
19) Methyl tert-butyl Ether	4.955	73	444960	37.50	ug/l	97
20) Methylene Chloride	4.467	84	152430	35.91	ug/l	98
21) trans-1,2-Dichloroethene	4.949	96	141247	38.00	ug/l	93
22) Diisopropyl ether	5.864	45	493027	37.89	ug/l	96
23) Vinyl Acetate	5.802	43	2092437	38.77	ug/l	98
24) 1,1-Dichloroethane	5.757	63	266025	36.99	ug/l	98
25) 2-Butanone	6.744	43	477760	40.64	ug/l	95
26) 2,2-Dichloropropane	6.736	77	232809	38.48	ug/l	98
27) cis-1,2-Dichloroethene	6.741	96	161621	37.48	ug/l	94
28) Bromochloromethane	7.108	49	128344	38.67	ug/l	90
29) Tetrahydrofuran	7.127	42	309470	38.32	ug/l	96
30) Chloroform	7.291	83	260467	37.44	ug/l	98
31) Cyclohexane	7.578	56	247115	35.97	ug/l	94
32) 1,1,1-Trichloroethane	7.489	97	220486	36.98	ug/l	98
36) 1,1-Dichloropropene	7.714	75	199527	39.37	ug/l	98
37) Ethyl Acetate	6.840	43	205243	38.29	ug/l	98
38) Carbon Tetrachloride	7.696	117	185355	38.14	ug/l	97
39) Methylcyclohexane	9.013	83	248486	41.58	ug/l	96
40) Benzene	7.967	78	611884	38.93	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.084	41	90094	36.58	ug/l #	100
42) 1,2-Dichloroethane	8.050	62	204964	38.57	ug/l	99
43) Isopropyl Acetate	8.093	43	337261	39.24	ug/l	96
44) Trichloroethene	8.768	130	149746	39.12	ug/l	100
45) 1,2-Dichloropropane	9.050	63	160534	38.14	ug/l	99
46) Dibromomethane	9.141	93	100734	39.23	ug/l	98
47) Bromodichloromethane	9.337	83	208705	38.70	ug/l	99
48) Methyl methacrylate	9.133	41	154631	40.85	ug/l	93
49) 1,4-Dioxane	9.133	88	48558	43.58	ug/l	97
51) 4-Methyl-2-Pentanone	9.919	43	956738	40.92	ug/l	97
52) Toluene	10.093	92	375024	39.63	ug/l	99
53) t-1,3-Dichloropropene	10.321	75	234186	40.35	ug/l	98
54) cis-1,3-Dichloropropene	9.774	75	258218	39.90	ug/l	94
55) 1,1,2-Trichloroethane	10.501	97	144315	39.64	ug/l	97
56) Ethyl methacrylate	10.370	69	214909	42.69	ug/l	94
57) 1,3-Dichloropropane	10.646	76	245461	39.35	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.632	63	215243	36.44	ug/l	96
59) 2-Hexanone	10.691	43	651986	46.17	ug/l	97
60) Dibromochloromethane	10.842	129	157643	39.55	ug/l	100
61) 1,2-Dibromoethane	10.946	107	147114	40.07	ug/l	100
64) Tetrachloroethene	10.571	164	126326	38.97	ug/l	98
65) Chlorobenzene	11.373	112	387373	39.02	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.450	131	143246	38.63	ug/l	99
67) Ethyl Benzene	11.453	91	708039	40.66	ug/l	99
68) m/p-Xylenes	11.563	106	539475	42.20	ug/l	99
69) o-Xylene	11.890	106	259036	40.54	ug/l	99
70) Styrene	11.906	104	415340	42.41	ug/l	98
71) Bromoform	12.070	173	110338	40.47	ug/l #	97
73) Isopropylbenzene	12.193	105	684157	38.69	ug/l	100
74) N-amyl acetate	12.022	43	134691	26.61	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.448	83	221554	38.19	ug/l	100
76) 1,2,3-Trichloropropane	12.496	75	199118m	38.65	ug/l	
77) Bromobenzene	12.470	156	166850	37.97	ug/l	95
78) n-propylbenzene	12.534	91	799393	40.95	ug/l	99
79) 2-Chlorotoluene	12.617	91	468859	37.65	ug/l	99
80) 1,3,5-Trimethylbenzene	12.676	105	583261	38.97	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.244	75	58031	36.18	ug/l	94
82) 4-Chlorotoluene	12.716	91	479484	39.66	ug/l	98
83) tert-Butylbenzene	12.936	119	485065	37.77	ug/l	99
84) 1,2,4-Trimethylbenzene	12.982	105	558559	39.32	ug/l	98
85) sec-Butylbenzene	13.116	105	666228	40.02	ug/l	99
86) p-Isopropyltoluene	13.234	119	583320	40.59	ug/l	100
87) 1,3-Dichlorobenzene	13.226	146	292109	39.02	ug/l	99
88) 1,4-Dichlorobenzene	13.306	146	302180	38.12	ug/l	98
89) n-Butylbenzene	13.558	91	480976	38.71	ug/l	99
90) Hexachloroethane	13.813	117	110015	36.53	ug/l	95
91) 1,2-Dichlorobenzene	13.596	146	290346	38.57	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.218	75	36334	34.40	ug/l	95
93) 1,2,4-Trichlorobenzene	14.851	180	171935	40.86	ug/l	99
94) Hexachlorobutadiene	14.948	225	88371	38.40	ug/l	99
95) Naphthalene	15.071	128	443451	41.00	ug/l	100
96) 1,2,3-Trichlorobenzene	15.251	180	159196	39.08	ug/l	99

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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

MMDadoda
4/28/2021 2:38:44 PM

Abundance

TIC: VN066779.D\data.ms

Time-->

1800000

1700000

1600000

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

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

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, T

Carbon Disulfide, T

Methyl Acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methyl 1,1-Dichloroethane, T

1,1-Dichloroethane, P

Disopropyl ether, T

Vinyl Acetate, T

Ethyl Acetate, T

2,2,3,3-Tetrachlorobutane, T

Bromochloromethane, T

Chloroform, C

Dichlorodifluoromethane, T

1,1-Dichloroethane, T

1,2-Dichloroethane, T

1,2-Dichloroethane, TM

1,4-Difluorobenzene, I

Trichloroethene, TM

1,2-Dichloropropane, T

Methylcyclohexane, T

1,2-Dichloroethane, T

Bromodichloromethane, T

2-Chloroethyl Vinyl ether, T

cis-1,3-Dichloropropene, I

Toluene-d8, S

Toluene, CM

4-Methyl-2-Pentanone, T

Ethyl 3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

1,3-Dichloropropene, T

1,2-Dibromoethane, T

Dibromochloromethane, T

Chlorobenzene, T

Chlorobenzene-d5, I

Styrene, T

Styrene-Xylene, T

Isopropylbenzene, T

4-Bromodifluorobenzene, S

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

N-Butylacetamide, P

1,2-Dichlorobenzene, T

1,3-Dichlorobenzene, T

1,4-Dichlorobenzene, T

1,2-Dichlorobenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene-d4, I

1,2,4-Trimethylbenzene, T

Isopropylbenzene, T

1,2,4-Trimethylbenzene, T

1,2-Dibromo-3-Chloropropane, T

Hexachloroethane, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, I

Napthalene, I

1,2,3-Trichlorobenzene, T