

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030221\
 Data File : VN066095.D
 Acq On : 2 Mar 2021 12:08
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 11:00:44 AM

Quant Time: Mar 02 13:19:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 02 13:17:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.624	168	82711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	137793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	120651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	50693	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	6650	5.69	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	11.38%#		
35) Dibromofluoromethane	7.550	113	4571	5.32	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.64%#		
50) Toluene-d8	10.055	98	17693	5.09	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.18%#		
62) 4-Bromofluorobenzene	12.373	95	6252	4.78	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.56%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.846	85	5475	5.06	ug/l	96
3) Chloromethane	2.052	50	6284	4.81	ug/l	95
4) Vinyl Chloride	2.177	62	5499	4.22	ug/l	100
5) Bromomethane	2.544	94	4631	5.73	ug/l	93
6) Chloroethane	2.682	64	3335	4.55	ug/l	94
7) Trichlorofluoromethane	2.997	101	9394	5.55	ug/l	97
8) Diethyl Ether	3.386	74	2852	4.77	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.721	101	3880	4.48	ug/l	97
10) Methyl Iodide	3.920	142	5221	3.89	ug/l	90
11) Tert butyl alcohol	4.746	59	4253	26.07	ug/l #	73
12) 1,1-Dichloroethene	3.708	96	4601	5.02	ug/l	91
13) Acrolein	3.582	56	4582	31.09	ug/l	94
14) Allyl chloride	4.287	41	6683	4.31	ug/l	95
15) Acrylonitrile	4.939	53	9564	22.13	ug/l #	88
16) Acetone	3.782	43	9954	25.18	ug/l	89
17) Carbon Disulfide	4.020	76	12720	4.86	ug/l	98
18) Methyl Acetate	4.283	43	4232	4.54	ug/l	94
19) Methyl tert-butyl Ether	4.987	73	16156	5.38	ug/l	96
20) Methylene Chloride	4.515	84	5010	4.75	ug/l	95
21) trans-1,2-Dichloroethene	5.004	96	4780	4.97	ug/l #	85
22) Diisopropyl ether	5.907	45	13604	4.42	ug/l	98
23) Vinyl Acetate	5.846	43	56384	23.28	ug/l	99
24) 1,1-Dichloroethane	5.804	63	8378	4.65	ug/l #	82
25) 2-Butanone	6.791	43	12222	21.94	ug/l	99
26) 2,2-Dichloropropane	6.782	77	8825	6.01	ug/l #	75
27) cis-1,2-Dichloroethene	6.782	96	5602	5.11	ug/l	93
28) Bromochloromethane	7.151	49	3753	4.55	ug/l #	100
29) Tetrahydrofuran	7.167	42	8130	21.37	ug/l	97
30) Chloroform	7.325	83	9290	5.14	ug/l	94
31) Cyclohexane	7.618	56	9089	5.44	ug/l #	86
32) 1,1,1-Trichloroethane	7.524	97	8519	5.51	ug/l	96
36) 1,1-Dichloropropene	7.749	75	6573	4.84	ug/l	94
37) Ethyl Acetate	6.881	43	4577	3.83	ug/l	95
38) Carbon Tetrachloride	7.730	117	7591	5.82	ug/l	97
39) Methylcyclohexane	9.045	83	6785	4.47	ug/l	91
40) Benzene	8.000	78	19308	4.68	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.132	41	2746	4.91	ug/l #	100
42) 1,2-Dichloroethane	8.081	62	7710	5.52	ug/l	92
43) Isopropyl Acetate	8.122	43	9214	4.76	ug/l	94
44) Trichloroethene	8.798	130	5062	4.88	ug/l	89
45) 1,2-Dichloropropane	9.081	63	4813	4.61	ug/l	98
46) Dibromomethane	9.171	93	3209	4.95	ug/l	95
47) Bromodichloromethane	9.367	83	7353	5.50	ug/l	95
48) Methyl methacrylate	9.161	41	4465	4.59	ug/l	89
49) 1,4-Dioxane	9.161	88	1733	102.83	ug/l	97
51) 4-Methyl-2-Pentanone	9.945	43	25699	22.22	ug/l	98
52) Toluene	10.119	92	12056	4.75	ug/l	100
53) t-1,3-Dichloropropene	10.347	75	8146	5.46	ug/l	92
54) cis-1,3-Dichloropropene	9.801	75	8794	5.33	ug/l	95
55) 1,1,2-Trichloroethane	10.527	97	4838	5.10	ug/l	96
56) Ethyl methacrylate	10.396	69	6375	4.52	ug/l	97
57) 1,3-Dichloropropane	10.672	76	8147	4.89	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.659	63	12209	18.49	ug/l	98
59) 2-Hexanone	10.720	43	16144	19.63	ug/l	97
60) Dibromochloromethane	10.868	129	5377	5.46	ug/l	100
61) 1,2-Dibromoethane	10.971	107	4709	4.86	ug/l	98
64) Tetrachloroethene	10.601	164	5311	5.62	ug/l	95
65) Chlorobenzene	11.402	112	12551	4.97	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.473	131	4772	5.42	ug/l	91
67) Ethyl Benzene	11.479	91	22898	5.03	ug/l	98
68) m/p-Xylenes	11.589	106	17318	10.14	ug/l	94
69) o-Xylene	11.916	106	8659	5.27	ug/l	96
70) Styrene	11.933	104	12716	4.72	ug/l	92
71) Bromoform	12.100	173	3212	5.38	ug/l #	90
73) Isopropylbenzene	12.219	105	21968	5.29	ug/l	100
74) N-amyl acetate	12.048	43	4143m	3.02	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.476	83	5973	4.97	ug/l	98
76) 1,2,3-Trichloropropane	12.521	75	5914m	4.89	ug/l	
77) Bromobenzene	12.495	156	4848	5.09	ug/l	81
78) n-propylbenzene	12.560	91	23772	5.07	ug/l	99
79) 2-Chlorotoluene	12.643	91	14979	5.08	ug/l	98
80) 1,3,5-Trimethylbenzene	12.701	105	19148	5.41	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.273	75	1813	4.75	ug/l	96
82) 4-Chlorotoluene	12.743	91	15393	5.17	ug/l	93
83) tert-Butylbenzene	12.961	119	16084	5.50	ug/l	95
84) 1,2,4-Trimethylbenzene	13.010	105	18365	5.19	ug/l	99
85) sec-Butylbenzene	13.138	105	19235	5.11	ug/l	99
86) p-Isopropyltoluene	13.257	119	17557	5.12	ug/l	96
87) 1,3-Dichlorobenzene	13.254	146	8586	5.12	ug/l	95
88) 1,4-Dichlorobenzene	13.334	146	8540	4.96	ug/l	87
89) n-Butylbenzene	13.585	91	13210	4.59	ug/l	100
90) Hexachloroethane	13.842	117	2347	4.11	ug/l	92
91) 1,2-Dichlorobenzene	13.624	146	8521	5.05	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.241	75	1900	8.63	ug/l #	51
93) 1,2,4-Trichlorobenzene	14.884	180	3417	4.54	ug/l	91
94) Hexachlorobutadiene	14.977	225	2261	5.78	ug/l	93
95) Naphthalene	15.096	128	11914	4.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.276	180	4075	5.12	ug/l	95

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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
3/3/2021 11:00:44 AM

Abundance

TIC: VN066095.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

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40000
30000
20000
10000
0

Chlorodifluoromethane, T
Chloromethane P
Vinyl Chloride, C
Chloroethane, T
Bromomethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl iodide, T
Carbon Disulfide, T
Methyl acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
1,1-Dichloroethane, T
1,2-Dichloroethane, T
Ethyl Acetate, T
2,2,4,4-Tetrachlorobutane, T
Methoxybenzene, T
Chloroform, C
Dichloromethane, T
Cyclohexane, T
1,2-Dichlorobenzene, T
1,3-Dichlorobenzene, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichlorobenzene, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
Toluene, T
Methyl-2-Pentanone, T
Ethyl acetate, T
1,2-Dichlorobenzene, T
1,3-Dichlorobenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Chlorobenzene-d5, I
Chlorobenzene, T
Styrene, T
N-Propylacetamide, T
trans-1,4-Dichlorobenzene, T
trans-1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
4-Chlorobenzonitrile, 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
Naphthalene, I
1,2,3-Trichlorobenzene, T