

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042121\
 Data File : VN066691.D
 Acq On : 21 Apr 2021 11:04
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/22/2021 5:29:06 PM

Quant Time: Apr 21 13:01:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 21 12:58:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.588	168	261425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	419847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	382310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	157221	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	17493	4.59	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.18%#		
35) Dibromofluoromethane	7.513	113	13989	4.89	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	9.78%#		
50) Toluene-d8	10.029	98	51936	4.64	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	9.28%#		
62) 4-Bromofluorobenzene	12.351	95	14963	3.85	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	7.70%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.833	85	15335	4.83	ug/l	95
3) Chloromethane	2.034	50	22071	4.76	ug/l	99
4) Vinyl Chloride	2.163	62	20062	4.93	ug/l	100
5) Bromomethane	2.492	94	8917	3.57	ug/l	94
6) Chloroethane	2.640	64	11680	4.79	ug/l	96
7) Trichlorofluoromethane	2.959	101	21636	4.64	ug/l	92
8) Diethyl Ether	3.356	74	9022	4.72	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.694	101	13591	4.91	ug/l	99
10) Methyl Iodide	3.882	142	19784	5.06	ug/l	97
11) Tert butyl alcohol	4.713	59	9881	16.63	ug/l #	81
12) 1,1-Dichloroethene	3.670	96	13312	4.90	ug/l	93
13) Acrolein	3.544	56	12662	35.38	ug/l	93
14) Allyl chloride	4.241	41	25535	22.08	ug/l	95
15) Acrylonitrile	4.898	53	34712	20.36	ug/l	98
16) Acetone	3.753	43	32957	19.25	ug/l	98
17) Carbon Disulfide	3.978	76	42026	4.59	ug/l	97
18) Methyl Acetate	4.249	43	17115	4.14	ug/l	92
19) Methyl tert-butyl Ether	4.952	73	41494	4.37	ug/l	96
20) Methylene Chloride	4.464	84	18996	5.10	ug/l	96
21) trans-1,2-Dichloroethene	4.944	96	14476	4.74	ug/l	90
22) Diisopropyl ether	5.864	45	50950	4.46	ug/l #	87
23) Vinyl Acetate	5.805	43	198123	20.85	ug/l	97
24) 1,1-Dichloroethane	5.754	63	29763	4.74	ug/l	99
25) 2-Butanone	6.749	43	43900	19.46	ug/l #	88
26) 2,2-Dichloropropane	6.733	77	23848	4.75	ug/l	98
27) cis-1,2-Dichloroethene	6.735	96	16924	4.79	ug/l	95
28) Bromochloromethane	7.108	49	13347	4.19	ug/l #	90
29) Tetrahydrofuran	7.132	42	28869	19.00	ug/l	92
30) Chloroform	7.290	83	27269	4.62	ug/l	97
31) Cyclohexane	7.575	56	28600	5.05	ug/l #	87
32) 1,1,1-Trichloroethane	7.489	97	22834	4.67	ug/l	96
36) 1,1-Dichloropropene	7.714	75	20183	4.75	ug/l	98
37) Ethyl Acetate	6.848	43	19971	4.25	ug/l #	92
38) Carbon Tetrachloride	7.698	117	19615	4.91	ug/l	93
39) Methylcyclohexane	9.015	83	22579	4.66	ug/l	90
40) Benzene	7.966	78	66037	4.84	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.092	41	8831	4.19	ug/l #	100
42) 1,2-Dichloroethane	8.052	62	21314	4.60	ug/l	99
43) Isopropyl Acetate	8.092	43	32523	4.13	ug/l #	90
44) Trichloroethene	8.768	130	15863	5.01	ug/l	99
45) 1,2-Dichloropropane	9.050	63	18211	4.82	ug/l	98
46) Dibromomethane	9.144	93	10571	4.66	ug/l	96
47) Bromodichloromethane	9.340	83	21735	4.68	ug/l	98
48) Methyl methacrylate	9.138	41	13219	3.76	ug/l	92
49) 1,4-Dioxane	9.138	88	2913	40.92	ug/l #	77
51) 4-Methyl-2-Pentanone	9.922	43	86846	18.96	ug/l	95
52) Toluene	10.093	92	36882	4.60	ug/l	99
53) t-1,3-Dichloropropene	10.324	75	21526	4.31	ug/l	99
54) cis-1,3-Dichloropropene	9.777	75	25361	4.57	ug/l	96
55) 1,1,2-Trichloroethane	10.501	97	15625	4.75	ug/l	98
56) Ethyl methacrylate	10.372	69	16534	3.89	ug/l	91
57) 1,3-Dichloropropane	10.648	76	25296	4.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.632	63	12312	18.29	ug/l	95
59) 2-Hexanone	10.699	43	42858	15.36	ug/l	95
60) Dibromochloromethane	10.841	129	15772	4.60	ug/l	99
61) 1,2-Dibromoethane	10.946	107	14735	4.57	ug/l	93
64) Tetrachloroethene	10.571	164	14449	5.35	ug/l	96
65) Chlorobenzene	11.375	112	40192	4.81	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.450	131	14503	4.78	ug/l	93
67) Ethyl Benzene	11.456	91	64295	4.43	ug/l	99
68) m/p-Xylenes	11.566	106	46680	8.82	ug/l	98
69) o-Xylene	11.893	106	23400	4.54	ug/l	98
70) Styrene	11.914	104	31769	3.96	ug/l	95
71) Bromoform	12.075	173	10551	4.65	ug/l #	97
73) Isopropylbenzene	12.196	105	57241	4.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.451	83	21623	4.93	ug/l	98
76) 1,2,3-Trichloropropane	12.502	75	16567m	4.53	ug/l	
77) Bromobenzene	12.475	156	15463	5.22	ug/l	97
78) n-propylbenzene	12.539	91	59714	4.33	ug/l	99
79) 2-Chlorotoluene	12.620	91	43856	5.19	ug/l	99
80) 1,3,5-Trimethylbenzene	12.679	105	47841	4.74	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.271	75	3242m	3.26	ug/l	
82) 4-Chlorotoluene	12.724	91	38016	4.59	ug/l	97
83) tert-Butylbenzene	12.939	119	41113	4.84	ug/l	98
84) 1,2,4-Trimethylbenzene	12.987	105	43234	4.53	ug/l	100
85) sec-Butylbenzene	13.116	105	50502	4.41	ug/l	97
86) p-Isopropyltoluene	13.236	119	41525	4.42	ug/l	97
87) 1,3-Dichlorobenzene	13.231	146	24764	4.73	ug/l	95
88) 1,4-Dichlorobenzene	13.306	146	23677	4.13	ug/l	83
89) n-Butylbenzene	13.569	91	35728	4.58	ug/l	92
90) Hexachloroethane	13.816	117	10359	4.96	ug/l	91
91) 1,2-Dichlorobenzene	13.604	146	25408	4.89	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.226	75	4208m	5.71	ug/l	
93) 1,2,4-Trichlorobenzene	14.864	180	12524	4.28	ug/l	95
94) Hexachlorobutadiene	14.950	225	7941	4.81	ug/l	98
95) Naphthalene	15.079	128	28484	3.61	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.256	180	12701	4.25	ug/l	94

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(#)=qualifier out of range (m)=manual integration (+)=signals summed						

