

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068134.D
 Acq On : 17 Aug 2021 10:44
 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
 8/19/2021 5:54:07 PM

Quant Time: Aug 17 12:43:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 12:36:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	516395	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	829448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	784499	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	323636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	33442	4.905	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.800%	#	
35) Dibromofluoromethane	8.021	113	29406	6.080	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	12.160%	#	
50) Toluene-d8	10.443	98	108482	5.596	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	11.200%	#	
62) 4-Bromofluorobenzene	12.734	95	34713	5.210	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	10.420%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.070	85	19902	3.972	ug/l	95
3) Chloromethane	2.301	50	24992	4.063	ug/l	98
4) Vinyl Chloride	2.440	62	38407	4.015	ug/l	99
5) Bromomethane	2.826	94	38977	4.535	ug/l	97
6) Chloroethane	3.001	64	29785	4.014	ug/l	99
7) Trichlorofluoromethane	3.365	101	75684	4.303	ug/l	99
8) Diethyl Ether	3.811	74	19007	5.521	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.199	101	22726	4.443	ug/l #	82
10) Methyl Iodide	4.406	142	28815m	4.799	ug/l	
11) Tert butyl alcohol	5.396	59	18624	20.680	ug/l #	87
12) 1,1-Dichloroethene	4.167	96	21740	4.656	ug/l #	72
13) Acrolein	4.031	56	16690m	27.869	ug/l	
14) Allyl chloride	4.838	41	27965	3.631	ug/l #	93
15) Acrylonitrile	5.557	53	51877	20.239	ug/l	96
16) Acetone	4.285	43	42698	17.087	ug/l	93
17) Carbon Disulfide	4.519	76	54577	4.052	ug/l	99
18) Methyl Acetate	4.857	43	31473	4.851	ug/l #	87
19) Methyl tert-butyl Ether	5.621	73	67024	3.885	ug/l	96
20) Methylene Chloride	5.087	84	29101m	4.453	ug/l	
21) trans-1,2-Dichloroethene	5.589	96	23814	4.384	ug/l	83
22) Diisopropyl ether	6.498	45	61523	3.609	ug/l #	94
23) Vinyl Acetate	6.436	43	226766m	16.144	ug/l	
24) 1,1-Dichloroethane	6.388	63	40893	4.081	ug/l	97
25) 2-Butanone	7.343	43	66231	18.473	ug/l #	86
26) 2,2-Dichloropropane	7.321	77	33343	3.810	ug/l	84
27) cis-1,2-Dichloroethene	7.324	96	28597	4.438	ug/l	75
28) Bromochloromethane	7.659	49	19590	4.121	ug/l #	52
29) Tetrahydrofuran	7.689	42	41777	18.270	ug/l #	83
30) Chloroform	7.817	83	47501	4.241	ug/l	97
31) Cyclohexane	8.096	56	42814	4.280	ug/l #	77
32) 1,1,1-Trichloroethane	8.013	97	41797	4.312	ug/l	96
36) 1,1-Dichloropropene	8.220	75	32003	4.300	ug/l	89
37) Ethyl Acetate	7.418	43	30476m	4.449	ug/l	
38) Carbon Tetrachloride	8.206	117	38320	5.134	ug/l	98
39) Methylcyclohexane	9.459	83	37428	4.632	ug/l #	87
40) Benzene	8.461	78	103105	4.659	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.643	41	13371	4.105	ug/l #	87
42) 1,2-Dichloroethane	8.534	62	36112	4.464	ug/l	94
43) Isopropyl Acetate	8.563	43	45010	3.943	ug/l #	88
44) Trichloroethene	9.217	130	30702	5.325	ug/l	79
45) 1,2-Dichloropropane	9.494	63	23650	4.330	ug/l #	87
46) Dibromomethane	9.577	93	19105	4.756	ug/l #	79
47) Bromodichloromethane	9.762	83	35563	4.684	ug/l	96
48) Methyl methacrylate	9.563	41	18621	3.788	ug/l #	77
49) 1,4-Dioxane	9.577	88	9027	95.705	ug/l #	83
51) 4-Methyl-2-Pentanone	10.333	43	141786	20.161	ug/l	92
52) Toluene	10.507	92	69075	4.780	ug/l	97
53) t-1,3-Dichloropropene	10.722	75	34593	4.409	ug/l	93
54) cis-1,3-Dichloropropene	10.191	75	37636	4.485	ug/l #	87
55) 1,1,2-Trichloroethane	10.902	97	28307	5.019	ug/l	92
56) Ethyl methacrylate	10.765	69	34123	4.291	ug/l #	85
57) 1,3-Dichloropropane	11.047	76	43176	4.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.044	63	30532	23.498	ug/l #	87
59) 2-Hexanone	11.087	43	97657	19.305	ug/l	91
60) Dibromochloromethane	11.240	129	29437	5.128	ug/l	100
61) 1,2-Dibromoethane	11.347	107	28399	4.882	ug/l	97
64) Tetrachloroethene	10.980	164	29580	5.227	ug/l	90
65) Chlorobenzene	11.773	112	80017	5.052	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.843	131	28446	5.117	ug/l	97
67) Ethyl Benzene	11.846	91	127696	4.599	ug/l	93
68) m/p-Xylenes	11.956	106	102400	9.755	ug/l	79
69) o-Xylene	12.283	106	48760	4.733	ug/l	82
70) Styrene	12.296	104	75611	4.561	ug/l #	91
71) Bromoform	12.460	173	21410	5.552	ug/l #	99
73) Isopropylbenzene	12.581	105	120347	4.685	ug/l	94
74) N-amyl acetate	12.390	43	30915	3.592	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.830	83	37052	4.791	ug/l	100
76) 1,2,3-Trichloropropane	12.881	75	29596m	4.695	ug/l	
77) Bromobenzene	12.865	156	33219	5.452	ug/l	56
78) n-propylbenzene	12.921	91	128601	4.470	ug/l	93
79) 2-Chlorotoluene	13.012	91	81444	4.641	ug/l	85
80) 1,3,5-Trimethylbenzene	13.061	105	97828	4.722	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.629	75	7949	4.067	ug/l	93
82) 4-Chlorotoluene	13.109	91	77282	4.399	ug/l	86
83) tert-Butylbenzene	13.326	119	84270	4.847	ug/l	86
84) 1,2,4-Trimethylbenzene	13.372	105	92047	4.590	ug/l	91
85) sec-Butylbenzene	13.503	105	111439	4.614	ug/l	95
86) p-Isopropyltoluene	13.619	119	87800	4.552	ug/l	92
87) 1,3-Dichlorobenzene	13.616	146	52377	4.741	ug/l	92
88) 1,4-Dichlorobenzene	13.696	146	53886	4.921	ug/l	95
89) n-Butylbenzene	13.946	91	66363	4.067	ug/l	95
90) Hexachloroethane	14.209	117	16886	5.082	ug/l	77
91) 1,2-Dichlorobenzene	13.991	146	50403	4.833	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.606	75	5492	4.475	ug/l #	56
93) 1,2,4-Trichlorobenzene	15.268	180	19001	4.121	ug/l	98
94) Hexachlorobutadiene	15.373	225	13644	5.950	ug/l	97
95) Naphthalene	15.509	128	37944	2.969	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	17546	3.893	ug/l	95

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

