

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090622\
 Data File : VN074346.D
 Acq On : 06 Sep 2022 17:46
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 07 02:42:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090622W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 02:37:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/07/2022
 Supervised By : Mahesh Dadoda 09/07/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	611876	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	1132287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	996011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	450309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	191303	20.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.500%	#	
35) Dibromofluoromethane	7.951	113	158484	21.038	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	42.080%	#	
50) Toluene-d8	10.380	98	583403	19.918	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.840%	#	
62) 4-Bromofluorobenzene	12.669	95	195598	20.783	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	41.560%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.052	85	155227	25.226	ug/l	98
3) Chloromethane	2.269	50	164133	19.993	ug/l	96
4) Vinyl Chloride	2.404	62	234907	15.821	ug/l	98
5) Bromomethane	2.810	94	105664	11.040	ug/l	97
6) Chloroethane	2.969	64	186367	16.176	ug/l	94
7) Trichlorofluoromethane	3.322	101	266111	23.250	ug/l	99
8) Diethyl Ether	3.769	74	102602	22.265	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.140	101	153100	22.292	ug/l	91
10) Methyl Iodide	4.346	142	76131	20.426	ug/l	# 89
11) Tert butyl alcohol	5.281	59	179284	102.337	ug/l	99
12) 1,1-Dichloroethene	4.116	96	144471	23.127	ug/l	97
13) Acrolein	3.987	56	187469	143.233	ug/l	97
14) Allyl chloride	4.763	41	211311	21.381	ug/l	95
15) Acrylonitrile	5.475	53	511574	106.084	ug/l	100
16) Acetone	4.222	43	424555	104.734	ug/l	97
17) Carbon Disulfide	4.457	76	373333	23.825	ug/l	97
18) Methyl Acetate	4.775	43	232174	19.287	ug/l	97
19) Methyl tert-butyl Ether	5.534	73	517209	21.474	ug/l	97
20) Methylene Chloride	5.010	84	180512	21.324	ug/l	96
21) trans-1,2-Dichloroethene	5.516	96	153879	21.870	ug/l	93
22) Diisopropyl ether	6.416	45	478013	20.949	ug/l	97
23) Vinyl Acetate	6.351	43	2032622	102.762	ug/l	99
24) 1,1-Dichloroethane	6.310	63	293198	21.146	ug/l	99
25) 2-Butanone	7.257	43	694380	103.084	ug/l	98
26) 2,2-Dichloropropane	7.251	77	223057	20.032	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	189616	21.245	ug/l	97
28) Bromochloromethane	7.587	49	88037	18.440	ug/l	90
29) Tetrahydrofuran	7.610	42	457898	105.871	ug/l	97
30) Chloroform	7.751	83	324313	21.166	ug/l	99
31) Cyclohexane	8.028	56	268193	20.521	ug/l	98
32) 1,1,1-Trichloroethane	7.945	97	275251	21.610	ug/l	99
36) 1,1-Dichloropropene	8.151	75	222143	20.537	ug/l	99
37) Ethyl Acetate	7.339	43	273516	19.550	ug/l	98
38) Carbon Tetrachloride	8.134	117	241245	21.860	ug/l	97
39) Methylcyclohexane	9.398	83	281034	21.532	ug/l	95
40) Benzene	8.392	78	708292	20.843	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	107419	16.691	ug/l #	88
42) 1,2-Dichloroethane	8.463	62	254102	20.118	ug/l	99
43) Isopropyl Acetate	8.492	43	370366	18.430	ug/l	97
44) Trichloroethene	9.151	130	166344	20.439	ug/l	87
45) 1,2-Dichloropropane	9.428	63	177241	21.064	ug/l	100
46) Dibromomethane	9.510	93	131023	20.396	ug/l #	86
47) Bromodichloromethane	9.704	83	248339	20.970	ug/l	98
48) Methyl methacrylate	9.498	41	171026	19.059	ug/l	91
49) 1,4-Dioxane	9.504	88	95663	410.208	ug/l	95
51) 4-Methyl-2-Pentanone	10.269	43	1345680	96.117	ug/l	99
52) Toluene	10.445	92	448219	21.364	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	237043	19.863	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	271482	20.603	ug/l	98
55) 1,1,2-Trichloroethane	10.839	97	179240	20.028	ug/l	94
56) Ethyl methacrylate	10.704	69	267463	20.072	ug/l	97
57) 1,3-Dichloropropane	10.986	76	306503	19.914	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	619085	96.099	ug/l	99
59) 2-Hexanone	11.027	43	1021930	96.403	ug/l	99
60) Dibromochloromethane	11.180	129	180185	20.098	ug/l	99
61) 1,2-Dibromoethane	11.286	107	177198	19.673	ug/l	98
64) Tetrachloroethene	10.916	164	136814	21.404	ug/l	91
65) Chlorobenzene	11.710	112	468183	21.161	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	167822	20.630	ug/l	97
67) Ethyl Benzene	11.786	91	822920	20.358	ug/l	99
68) m/p-Xylenes	11.892	106	640296	42.181	ug/l	96
69) o-Xylene	12.222	106	315835	20.911	ug/l	100
70) Styrene	12.233	104	513692	21.298	ug/l	99
71) Bromoform	12.398	173	127950	21.575	ug/l #	95
73) Isopropylbenzene	12.521	105	840724	21.195	ug/l	98
74) N-amyl acetate	12.327	43	303954	18.365	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.769	83	300719	20.562	ug/l	100
76) 1,2,3-Trichloropropane	12.821	75	253629m	19.835	ug/l	
77) Bromobenzene	12.798	156	180574	20.516	ug/l	85
78) n-propylbenzene	12.857	91	955720	21.175	ug/l	96
79) 2-Chlorotoluene	12.945	91	579369	20.740	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	702607	22.039	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.569	75	78920	19.989	ug/l	95
82) 4-Chlorotoluene	13.045	91	563952	21.555	ug/l	96
83) tert-Butylbenzene	13.263	119	605761	20.971	ug/l	96
84) 1,2,4-Trimethylbenzene	13.304	105	695366	21.588	ug/l	97
85) sec-Butylbenzene	13.439	105	837398	20.821	ug/l	98
86) p-Isopropyltoluene	13.557	119	682394	21.715	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	334515	20.847	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	326733	19.114	ug/l	96
89) n-Butylbenzene	13.880	91	538016	19.750	ug/l	97
90) Hexachloroethane	14.145	117	123005	20.073	ug/l	81
91) 1,2-Dichlorobenzene	13.927	146	340395	20.123	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	65322	20.439	ug/l	82
93) 1,2,4-Trichlorobenzene	15.198	180	161575	18.452	ug/l	96
94) Hexachlorobutadiene	15.298	225	75941	19.712	ug/l	97
95) Naphthalene	15.433	128	628946	18.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	167415	17.946	ug/l	98

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

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