

Remove MOPCs from metal surfaces

	Contact time	Initial Hg (ug/cm2)	Final Hg (ug/cm2)
10% HCl_1	24 hours	1035	273.1
10% HCl_2	24 hours	2158	0.8
20% HCl_1	24 hours	1650	1.2
20% HCl_2	24 hours	2859	0.0
10% H2SO4_1	24 hours	1460	0.0
10% H2SO4_2	24 hours	1536	0.0
20% HCl	6 hours	3480	12.9
20% HCl + Corrosion Inhibitor_1	6 hours	3195	70.0
20% HCl + Corrosion Inhibitor_2	6 hours	2693	21.5
20% HCl	3 hours	1357	0.0
20% HCl + Corrosion Inhibitor_1	3 hours	1608	22.7
20% HCl + Corrosion Inhibitor_2	3 hours	1672	20.0
1% HCl in Seawater_1	4 weeks	1219	22.7
1% HCl in Seawater_2	4 weeks	2747	66.8
1% HCl in Seawater_3	4 weeks	79	2.3
1% HCl in Seawater_4	4 weeks	2860	51.0
1% HCl in Seawater_5	4 weeks	76	2.4
1% HCl in Seawater_6	4 weeks	124	5.0
1% HCl in Seawater_7	4 weeks	109	1.2
1% HCl in Seawater_8	4 weeks	131	2.7
1% HCl in Seawater_9	4 weeks	453	27.9
1% HCl in Seawater_10	4 weeks	976	10.1

FIG. 1

Evacuation of MOPCs from the pipeline

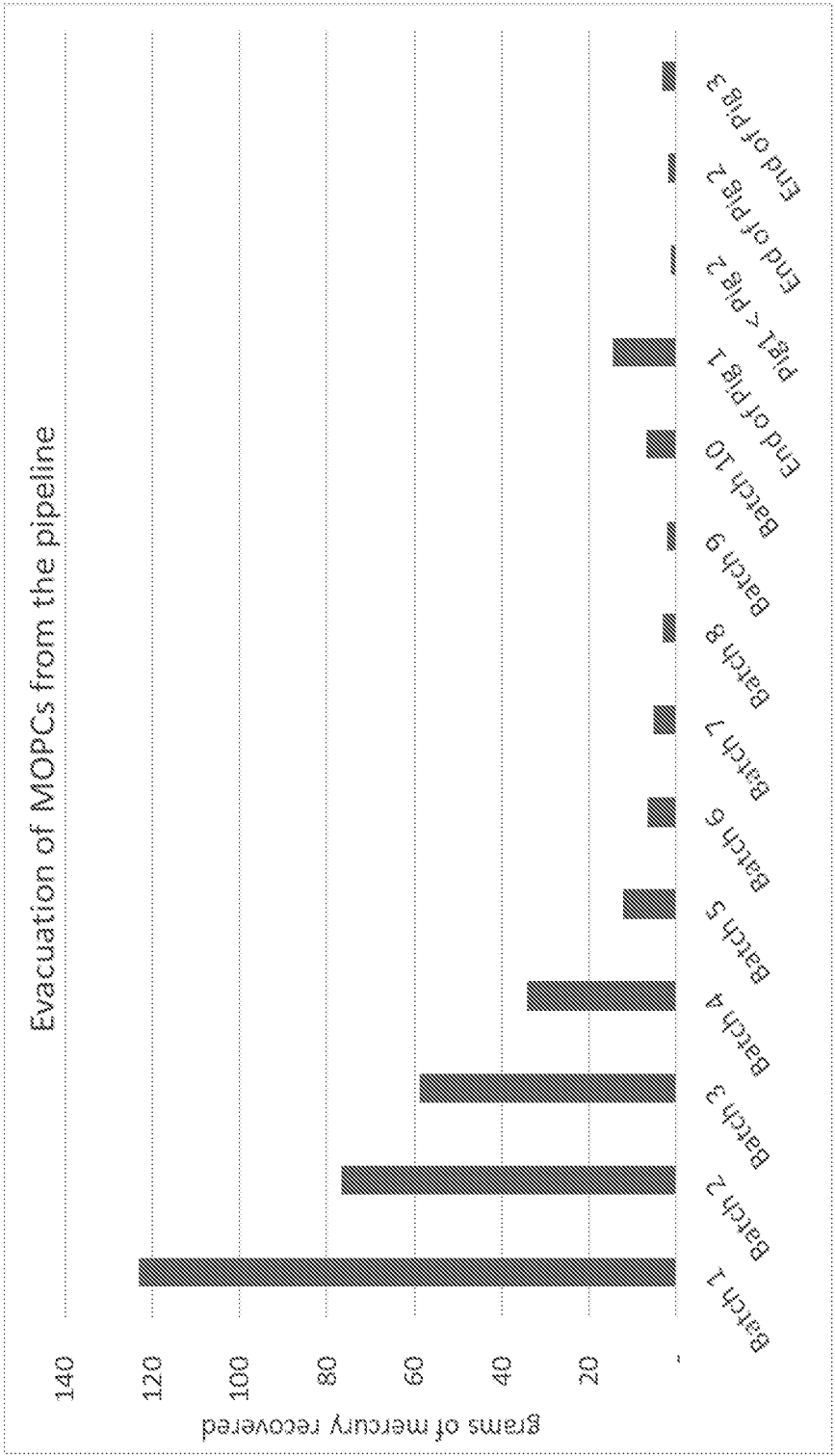


FIG. 2

Offshore Disposal of waste from decontamination activities

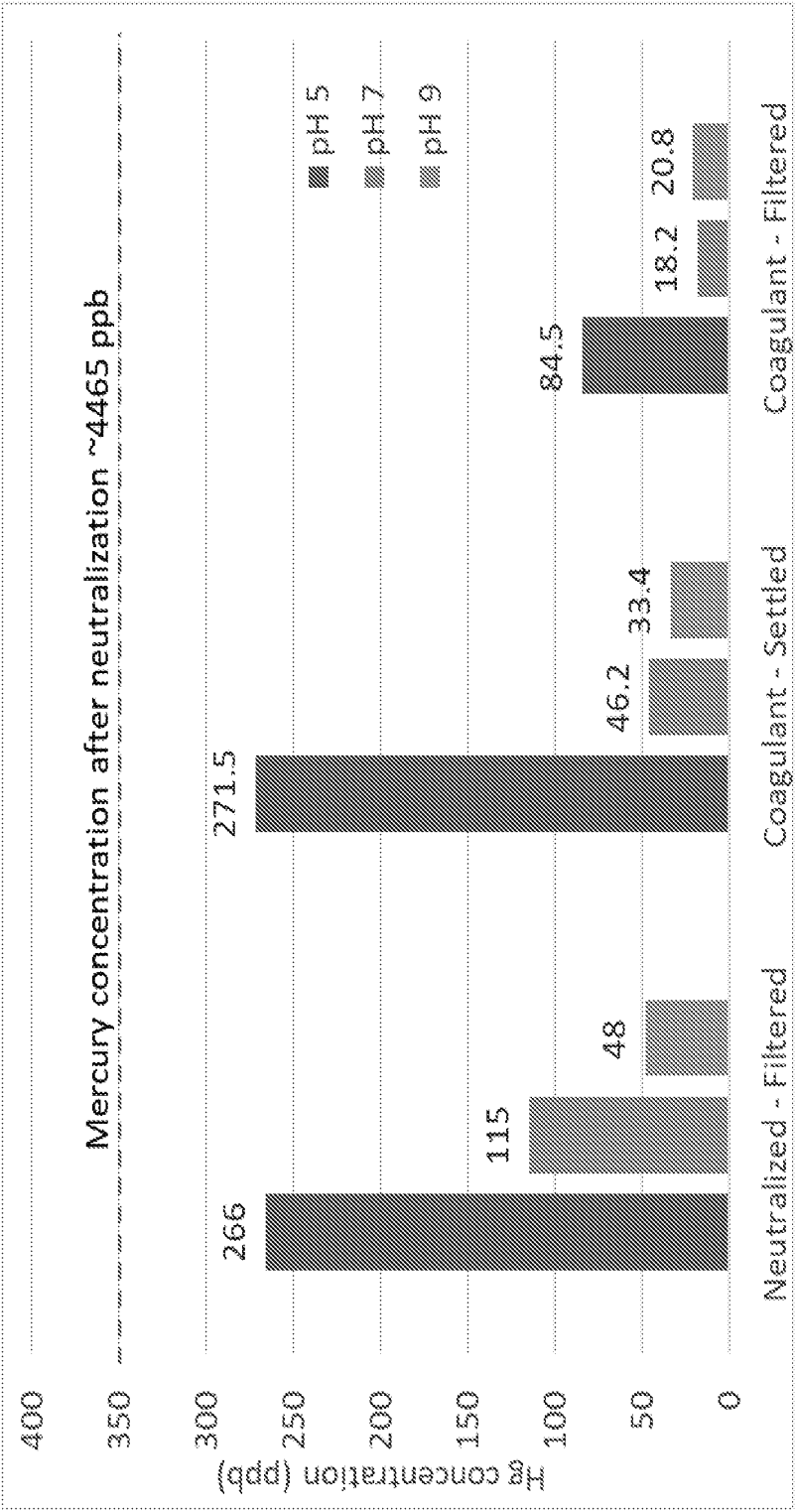


FIG. 3

Verification		
	Total mass in solution (mg)	Total mass removed from pipe (mg)
1.7	20% HCl_1hr	37.65
3.7	20% HCl_1hr	84.92
1.2	20% HCl_3hr	40.06
3.2	20% HCl_3hr	78.71
1.6	10% HCl_24hr	65.29
3.6	10% HCl_24hr	95.73

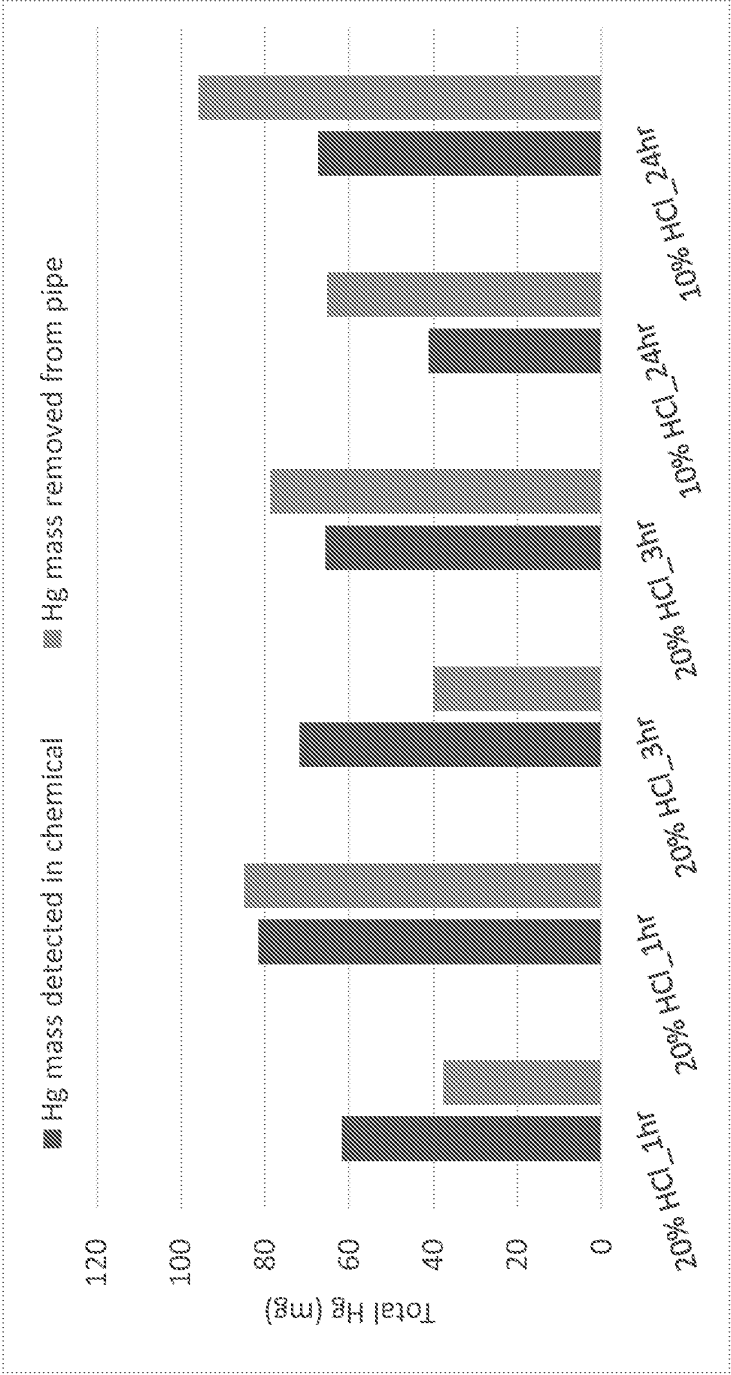


FIG. 4