

Table S1. Detection of organic compounds from distillery press mud after extraction with ethyl acetate at different pH (a) acidic pH 6.4 and (b) alkaline pH 8.0

(a) Acidic pH 6.4			
S.No	Retention Time (RT)	Name of compound	Toxicity
1.	6.47	10-undecenoic acid, octyl ester	Serious eye irritation
2.	6.55	Carbetamide	Carcinogen
3.	6.75	2,4-dimethyl-2,3-heptadien-5-yne	Skin irritation
4.	6.86	Methyl-(1-phenylethyl)-hydroxylamine	Hemolytic anemia
5.	9.12	Thymol	Toxic to microorganisms and also causes chronic toxicity in respiratory tracts
6.	9.92	4-butyl-indan-5-ol	Skin irritation
7.	13.88	Dodecamethylpentasiloxane	Causes serious eye, skin and respiratory irritation
8.	17.67	Truxillic acid	Aquatic toxicity
9.	21.06	3,4-dimethoxycinnamic acid	Skin irritation
10.	21.28	2-indazol-2-ylphenylamine	Aquatic toxicity
11.	21.35	Silane, methylvinyl(2-methylphenoxy) pentyloxy-	Lung cancer
12.	21.56	1,2,3,4-tetrahydroisoquinolin, 2-acetyl-6,7-dimethoxy-1-phenmethylene-	Parkinson's disease
13.	21.67	Cis-5,8,11,14,17-eicosapentaenoic acid	Bleeding and slows blood clotting
14.	21.71	Digitoxin	Nausea and vomiting
15.	21.77	Pregn-5-ene-3,20-diol-13-carboxylic acid, 3-acetate-18,20-lactone	Lungs, thorax difficulties
16.	27.06	1-dodecanol	Skin irritant, marine toxicity
18.	29.47	10,12-tricosadiynoic acid,	Causes serious eye and skin irritation
19.	30.62	Trans-2-dodecenoic acid	Causes serious eye damage and aquatic toxicity
20.	30.83	2-chloropropionic acid, octadecyl ester	Skin irritation and burns
21.	30.98	Norgestrel, trimethylsilyl ether	Nausea and vomiting, unusual bleeding
22.	34.73	5,8,11-eicosatriynoic acid	Hazardous for water
23.	39.54	Cetylic acid	Damage the glomeruli and also promotes the growth of lung cancer cells
24.	43.75	(Z,Z)- 9,12-octadecadienoic acid	Endocrine disrupting
25.	43.89	11-octadecenoic acid	Leucotoxic
26.	50.13	Ethinyl estradiol	Blood clots, stroke and heart attack
(b) Alkaline pH 8.0			
27.	6.48	4-octadecenal	May cause respiratory irritation upon inhalation
28.	6.77	4-ethylphenethylamine	Causes severe skin burns and eye damage
29.	6.88	2-phenyl oxiranemethanol	Causes serious eye and skin irritation, may cause respiratory irritation
30.	7.04	n-propanoic acid, dimethyl (pentafluorophenyl) silyl ester	Harmful in contact with skin
31.	7.32	Hippuryl-L-histidyl-L-leucine	Long-time exposure can lead to respiratory irritation
32.	9.12	Methyltris(trimethylsiloxy)silane	Acute renal failure

33.	9.93	Silane, trimethyl[1-methyl-2-oxo-2 - (trimethylsilyl)ethoxy]	Skin and eye irritation
34.	13.88	Salbutamol	Can cause tachycardia, tremors hypokalemia and cardiac arrhythmias
35.	21.65	Hexadecane	May be fatal if swallowed and enters airways
36.	25.15	2,4-di-tert-butylphenol	Cause skin irritation, eye damage and chronic hazard to aquatic environment
37.	27.06	1-dodecanol	Acutely toxic to a number of aquatic organisms
38.	28.01	1-chloroeicosane	May be fatal if swallowed and enters airways
39.	30.62	Dodecyl acrylate	Causes serious eye irritation, skin and respiratory tract irritation. May cause skin allergy and also causes aquatic toxicity
40.	30.84	1-hexadecanol, 2-methyl-	Neurotoxic and hepatotoxic
41.	33.32	Hexadecen-1-ol, trans-9	Causes skin irritation and very toxic to aquatic life with long lasting effects
42.	33.51	Metconazole	May cause moderate eye irritation
43.	34.72	5 α -pregnan-3 α -ol-20-one	Respiratory tract irritation
44.	36.28	Pentadecanoic acid, dimethyl(isopropyl)silyl ester	Causes serious eye damage
45.	36.47	Retinoic acid	Causes nausea, vomiting, headache, dizziness, irritability, blurred vision and muscular incoordination
46.	39.01	Calconcarboxylic acid	Causes skin irritation and serious eye irritation
47.	39.54	Myristic acid	May be irritating in pure form to skin and eyes under exaggerated exposure conditions
48.	44.34	Stearic acid	Causes serious eye irritation, skin and respiratory tract irritation. Harmful to aquatic life with long lasting effects
49.	49.58	Hexadeca-9-enoic acid, 9-octadecenyl ester, (Z,Z)-	Endocrine disrupting