ATTACHMENT K

ANALYTICAL RESULT TABLES

Table 1 Surface Water Sample Analytical Results
Table 2 Wastewater Sample Analytical Results
Table 3 Sludge Sample Analytical Results
Table 4 Sludge Sample TCLP Analytical Results

Table 1
Surface Water Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	USOR SWP-05072010 07/05/2010 Field Sample	USOR USOR-WW01-PL-110125 01/25/2011 Field Sample	USOR USOR-WW02-SP-110125 01/25/2011 Field Sample	USOR USOR-WW03-36-110125 01/25/2011 Field Sample	USOR USOR-WW04-NT-110125 01/25/2011 Field Sample	USOR USOR-WW05-ST-110125 01/25/2011 Field Sample
Metals								
Aluminum	mg/l	--	0.157 B	0.213	0.024 B	0.667	0.6	0.211
Antimony	mg/l	--	0.001 U	0.003 B	0.0016 B	0.0036 B	0.0101	0.0091
Arsenic	mg/l	--	0.0123	0.0084	0.0096	0.003 B	0.0031 B	0.0017 B
Barium	mg/l	--	0.0509 B	0.023 B	0.0441 B	0.0063 B	0.0643 B	0.0113 B
Beryllium	mg/l	--	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
Cadmium	mg/l	--	0.00009 U	0.00014 B	0.00014 B	0.0001 B	0.00048 B	0.00071 B
Calcium	mg/l	--	25.5	19.9	32.2	38.2	20.4	88.1
Chromium	mg/l	--	0.00047 B	0.0011 B	0.00027 U	0.0473	0.006 B	0.0015 B
Cobalt	mg/l	--	0.00042 B	0.0003 B	0.00022 U	0.0045 B	0.0032 B	0.005 B
Copper	mg/l	--	0.0059 U	0.0059 U	0.0059 U	0.0104 B	0.0169 B	0.009 B
Iron	mg/l	--	0.0842 B	0.483	0.0716 B	4.13	6.19	1.87
Lead	mg/l	--	0.0024 B	0.0018 U	0.0018 U	0.0018 U	0.0037	0.0018 U
Magnesium	mg/l	--	1.41 B	0.67 B	1.58 B	1.33 B	1.83 B	2.29 B
Manganese	mg/l	--	0.108	0.0365	0.0297	0.159	0.221	0.173
Mercury	mg/l	--	0.000094 U	0.00005 U	0.00005 U	0.00005 U	0.00023	0.000081 B
Nickel	mg/l	--	0.0428	0.0108 B	0.0165 B	0.0607	0.0307 B	0.0293 B
Potassium	mg/l	--	4.99 B	3.19 B	4.58 B	3.06 B	7.99	4.57 B
Selenium	mg/l	--	0.00098 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U
Silver	mg/l	--	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
Sodium	mg/l	--	50.2	19.5	45.2	27.1	75.9	74.9
Thallium	mg/l	--	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Vanadium	mg/l	--	0.0018 B	0.0024 B	0.00066 B	0.0058 B	0.0077 B	0.0031 B
Zinc	mg/l	--	0.0417	0.0651	0.0085 B	0.343	0.591	0.615
SVOCs								
1,2,4-Trichlorobenzene	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
1,2-Dichlorobenzene	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
1,3-Dichlorobenzene	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
1,4-Dichlorobenzene	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U
2,4,5-Trichlorophenol	mg/l	--	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
2,4,6-Trichlorophenol	mg/l	--	0.0011 U	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
2,4-Dichlorophenol	mg/l	--	0.0022 U	0.0026 U	0.0023 U	0.0023 U	0.0022 U	0.0023 U
2,4-Dimethylphenol	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0013 U	0.0041 J	0.0013 U
2,4-Dinitrophenol	mg/l	--	0.015 U	0.018 U	0.015 U	0.016 U	0.015 U	0.015 U
2,4-Dinitrotoluene	mg/l	--	0.0014 U	0.0017 U	0.0015 U	0.0015 U	0.0014 U	0.0015 U
2,6-Dinitrotoluene	mg/l	--	0.0013 U	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0014 U

Table 1
Surface Water Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	USOR SWP-05072010 07/05/2010 Field Sample	USOR USOR-WW01-PL-110125 01/25/2011 Field Sample	USOR USOR-WW02-SP-110125 01/25/2011 Field Sample	USOR USOR-WW03-36-110125 01/25/2011 Field Sample	USOR USOR-WW04-NT-110125 01/25/2011 Field Sample	USOR USOR-WW05-ST-110125 01/25/2011 Field Sample
SVOCs (Continued)								
2-Chloronaphthalene	mg/l	--	0.0014 U	0.0016 U	0.0014 U	0.0015 U	0.0014 U	0.0014 U
2-Chlorophenol	mg/l	--	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U
2-Methylnaphthalene	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0013 U	0.0041 J	0.0013 U
2-Methylphenol	mg/l	--	0.00083 U	0.00098 U	0.00085 U	0.00088 U	0.0069	0.00085 U
2-Nitroaniline	mg/l	--	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0014 U	0.0014 U
2-Nitrophenol	mg/l	--	0.002 U	0.0023 U	0.002 U	0.0021 U	0.002 U	0.002 U
3&4-Methylphenol	mg/l	--	0.0016 U	0.0019 U	0.0016 U	0.0017 U	0.0113	0.0016 U
3,3'-Dichlorobenzidine	mg/l	--	0.0032 U	0.0038 U	0.0033 U	0.0034 U	0.0032 U	0.0033 U
3-Nitroaniline	mg/l	--	0.0033 U	0.0039 U	0.0034 U	0.0035 U	0.0034 U	0.0034 U
4,6-Dinitro-o-cresol	mg/l	--	0.0014 U	0.0016 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
4-Bromophenyl phenyl ether	mg/l	--	0.0014 U	0.0016 U	0.0014 U	0.0015 U	0.0014 U	0.0014 U
4-Chloro-3-methyl phenol	mg/l	--	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
4-Chloroaniline	mg/l	--	0.0043 U	0.005 U	0.0043 U	0.0045 U	0.0043 U	0.0043 U
4-Chlorophenyl phenyl ether	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U
4-Nitroaniline	mg/l	--	0.0023 U	0.0028 U	0.0024 U	0.0025 U	0.0024 U	0.0024 U
4-Nitrophenol	mg/l	--	0.0067 U	0.0078 U	0.0068 U	0.007 U	0.0067 U	0.0068 U
Acenaphthene	mg/l	--	0.0016 U	0.0018 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Acenaphthylene	mg/l	--	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U
Anthracene	mg/l	--	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Benzo(a)anthracene	mg/l	--	0.0011 U	0.0013 U	0.0011 U	0.0011 U	0.0014 J	0.0011 U
Benzo(a)pyrene	mg/l	--	0.0011 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Benzo(b)fluoranthene	mg/l	--	0.00087 U	0.001 U	0.00089 U	0.00091 U	0.00088 U	0.00089 U
Benzo(g,h,i)perylene	mg/l	--	0.0017 U	0.002 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Benzo(k)fluoranthene	mg/l	--	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Benzoic Acid	mg/l	--	0.005 U	0.0059 U	0.0051 U	0.0052 U	0.091	0.0051 U
Benzyl Alcohol	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U
bis(2-Chloroethoxy)methane	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U
bis(2-Chloroethyl)ether	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U
bis(2-Chloroisopropyl)ether	mg/l	--	0.002 U	0.0023 U	0.002 U	0.0021 U	0.002 U	0.002 U
bis(2-Ethylhexyl)phthalate	mg/l	--	0.0041 J	0.009	0.0018 U	0.0103	0.0095	0.0085
Butyl benzyl phthalate	mg/l	--	0.0016 U	0.0019 U	0.0017 U	0.0017 U	0.0016 U	0.0017 U
Carbazole	mg/l	--	0.0015 U	0.0018 U	0.0015 U	0.0016 U	0.002 J	0.0015 U
Chrysene	mg/l	--	0.00098 U	0.0012 U	0.001 U	0.001 U	0.0025 J	0.0014 J
Dibenzo(a,h)anthracene	mg/l	--	0.0016 U	0.0018 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Dibenzofuran	mg/l	--	0.0013 U	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0014 U

Table 1
Surface Water Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	USOR SWP-05072010 07/05/2010 Field Sample	USOR USOR-WW01-PL-110125 01/25/2011 Field Sample	USOR USOR-WW02-SP-110125 01/25/2011 Field Sample	USOR USOR-WW03-36-110125 01/25/2011 Field Sample	USOR USOR-WW04-NT-110125 01/25/2011 Field Sample	USOR USOR-WW05-ST-110125 01/25/2011 Field Sample
Diethyl phthalate	mg/l	--	0.0011 U	0.0013 U	0.0011 U	0.0011 U	0.0011 J	0.0011 U
Dimethyl phthalate	mg/l	--	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Di-n-butyl phthalate	mg/l	--	0.0011 J	0.0017 J	0.001 U	0.0021 J	0.0035 J	0.001 U
Di-n-octyl phthalate	mg/l	--	0.0013 U	0.0015 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U
Fluoranthene	mg/l	--	0.00097 U	0.0011 U	0.00099 U	0.001 U	0.0012 J	0.00099 U
Fluorene	mg/l	--	0.0013 U	0.0016 U	0.0014 U	0.0014 U	0.002 J	0.0014 U
Hexachlorobenzene	mg/l	--	0.0013 U	0.0016 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
Hexachlorobutadiene	mg/l	--	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Hexachlorocyclopentadiene	mg/l	--	0.0052 U	0.0061 U	0.0053 U	0.0054 U	0.0052 U	0.0053 U
Hexachloroethane	mg/l	--	0.00097 U	0.0011 U	0.00099 U	0.001 U	0.00098 U	0.00099 U
Indeno(1,2,3-cd)pyrene	mg/l	--	0.0018 U	0.0021 U	0.0018 U	0.0019 U	0.0018 U	0.0018 U
Isophorone	mg/l	--	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U
Naphthalene	mg/l	--	0.0011 U	0.0013 U	0.0012 U	0.0012 U	0.0123	0.0012 U
Nitrobenzene	mg/l	--	0.0017 U	0.002 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U
N-Nitroso-di-n-propylamine	mg/l	--	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0014 U	0.0014 U
N-Nitrosodiphenylamine	mg/l	--	0.0017 U	0.002 U	0.0017 U	0.0018 U	0.0017 U	0.0017 U
Pentachlorophenol	mg/l	--	0.013 U	0.016 U	0.013 U	0.014 U	0.013 U	0.013 U
Phenanthrene	mg/l	--	0.00097 U	0.0011 U	0.00099 U	0.001 U	0.0065	0.0034 J
Phenol	mg/l	--	0.00075 U	0.00088 U	0.00077 U	0.00079 U	0.0451	0.00077 U
Pyrene	mg/l	--	0.0017 U	0.002 U	0.0017 U	0.0017 U	0.0038 J	0.0025 J
VOCs								
1,1,1-Trichloroethane	mg/l	--	0.00062 U	0.00062 U	0.00062 U	0.00062 U	0.00062 U	0.00062 U
1,1,2,2-Tetrachloroethane	mg/l	--	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
1,1,2-Trichloroethane	mg/l	--	0.00098 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U
1,1-Dichloroethane	mg/l	--	0.00052 U	0.00052 U	0.00052 U	0.00052 U	0.00052 U	0.00052 U
1,1-Dichloroethylene	mg/l	--	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
1,2-Dichloroethane	mg/l	--	0.00062 U	0.00062 U	0.00062 U	0.00062 U	0.00062 U	0.00062 U
1,2-Dichloropropane	mg/l	--	0.00062 U	0.00062 U	0.00062 U	0.00062 U	0.00062 U	0.00062 U
2-Hexanone	mg/l	--	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U
4-Methyl-2-pentanone	mg/l	--	0.0099 U	0.0099 U	0.0099 U	0.0099 U	0.0099 U	0.0099 U
Acetone	mg/l	--	0.0082 J	0.0047 U	0.0047 U	0.0263 J	0.323	0.122
Benzene	mg/l	--	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0049	0.0061
Bromodichloromethane	mg/l	--	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U
Bromoform	mg/l	--	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
Carbon disulfide	mg/l	--	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U
Carbon tetrachloride	mg/l	--	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U

Table 1
Surface Water Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	USOR SWP-05072010 07/05/2010 Field Sample	USOR USOR-WW01-PL-110125 01/25/2011 Field Sample	USOR USOR-WW02-SP-110125 01/25/2011 Field Sample	USOR USOR-WW03-36-110125 01/25/2011 Field Sample	USOR USOR-WW04-NT-110125 01/25/2011 Field Sample	USOR USOR-WW05-ST-110125 01/25/2011 Field Sample
VOCs (Continued)								
Chlorobenzene	mg/l	--	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00056 U
Chloroethane	mg/l	--	0.00092 U	0.00092 U	0.00092 U	0.00092 U	0.00092 U	0.00092 U
Chloroform	mg/l	--	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U
cis-1,2-Dichloroethylene	mg/l	--	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00056 U
cis-1,3-Dichloropropene	mg/l	--	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U
Dibromochloromethane	mg/l	--	0.00061 U	0.00061 U	0.00061 U	0.00061 U	0.00061 U	0.00061 U
Ethylbenzene	mg/l	--	0.00055 U	0.00055 U	0.00055 U	0.00055 U	0.003	0.0073
Methyl bromide	mg/l	--	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Methyl chloride	mg/l	--	0.00084 U	0.00084 U	0.00084 U	0.00084 U	0.00084 U	0.00084 U
Methyl ethyl ketone	mg/l	--	0.0039 U	0.0039 U	0.0039 U	0.0068 J	0.655	0.0118
Methylene chloride	mg/l	--	0.00041 U	0.00041 U	0.00041 U	0.00041 U	0.00041 U	0.00041 U
Styrene	mg/l	--	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.0032
Tetrachloroethylene	mg/l	--	0.00091 U	0.00091 U	0.00091 U	0.00091 U	0.00091 U	0.00091 U
Toluene	mg/l	--	0.00043 U	0.00043 U	0.00043 U	0.0014 J	0.007	0.0111
trans-1,2-Dichloroethylene	mg/l	--	0.00045 U	0.00045 U	0.00045 U	0.00045 U	0.00045 U	0.00045 U
trans-1,3-Dichloropropene	mg/l	--	0.00068 U	0.00068 U	0.00068 U	0.00068 U	0.00068 U	0.00068 U
Trichloroethylene	mg/l	--	0.00052 U	0.00052 U	0.00052 U	0.00052 U	0.00052 U	0.00052 U
Vinyl chloride	mg/l	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/l	--	0.0017 U	0.0017 U	0.0017 U	0.0059 J	0.0372	0.0457

Qualifiers:

U indicates nondetect at the associated concetration.

B indicates an estimated concentration below the reporting limit (inorganics only).

J indicates an estimated concentration.

Table 2
Wastewater Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	MCC MCC-WW01-11-100707 07/07/2010 Field Sample	MCC MCC-WW02-11-100707 07/07/2010 Field Sample	MCC MCC-WW03-11-100712 07/12/2010 Field Sample	MCC MCC-WW04-11-100712 07/12/2010 Field Sample	MCC MCC-WW05-11-100712 07/12/2010 Field Sample
Metals							
Aluminum	mg/l	--	0.777	--	0.96	1.37	0.367
Antimony	mg/l	--	0.0053	--	0.0027 B	0.0053	0.001 U
Arsenic	mg/l	--	0.0107	--	0.0065	0.0068	0.0094
Barium	mg/l	--	0.0411 B	--	0.0102 B	0.009 B	0.0034 U
Beryllium	mg/l	--	0.00016 U	--	0.00016 U	0.00016 U	0.00016 U
Cadmium	mg/l	--	0.00026 B	--	0.0001 B	0.00025 B	0.00009 U
Calcium	mg/l	--	62.1	--	37	23.9	11.8
Chromium	mg/l	--	0.0119	--	0.0026 B	0.003 B	0.0079 B
Cobalt	mg/l	--	0.0058 B	--	0.0036 B	0.0058 B	0.003 B
Copper	mg/l	--	0.0237 B	--	0.0059 U	0.0059 U	0.0059 U
Iron	mg/l	--	1.34	--	0.391	0.552	0.244
Lead	mg/l	--	0.0075	--	0.0049	0.0071	0.0064
Magnesium	mg/l	--	8.3	--	11	14.1	10.8
Manganese	mg/l	--	0.222	--	0.0225	0.0144 B	0.0195
Mercury	mg/l	--	0.00025	--	0.000094 U	0.000094 U	0.000094 U
Nickel	mg/l	--	0.08	--	0.0675	0.0903	0.114
Potassium	mg/l	--	37.1	--	48.6	66.9	76.7
Selenium	mg/l	--	0.00098 U	--	0.0012 B	0.0028 B	0.0017 B
Silver	mg/l	--	0.00082 B	--	0.00024 U	0.00024 U	0.00024 U
Sodium	mg/l	--	455	--	672	951	
Thallium	mg/l	--	0.0012 U	--	0.0012 U	0.0012 U	0.0012 U
Vanadium	mg/l	--	0.0113 B	--	0.0018 B	0.0023 B	0.0051 B
Zinc	mg/l	--	0.189	--	0.055	0.0638	0.142
SVOCs							
1,2,4-Trichlorobenzene	mg/l	--	0.013 U	--	0.0074 U	0.0069 U	0.007 U
1,2-Dichlorobenzene	mg/l	--	0.013 U	--	0.0073 U	0.0068 U	0.0069 U
1,3-Dichlorobenzene	mg/l	--	0.013 U	--	0.0073 U	0.0068 U	0.0069 U
1,4-Dichlorobenzene	mg/l	--	0.014 U	--	0.0075 U	0.007 U	0.0071 U
2,4,5-Trichlorophenol	mg/l	--	0.012 U	--	0.0067 U	0.0063 U	0.0064 U
2,4,6-Trichlorophenol	mg/l	--	0.012 U	--	0.0066 U	0.0062 U	0.0063 U
2,4-Dichlorophenol	mg/l	--	0.023 U	--	0.013 U	0.012 U	0.012 U
2,4-Dimethylphenol	mg/l	--	0.013 U	--	0.0074 U	0.0069 U	0.007 U
2,4-Dinitrophenol	mg/l	--	0.16 U	--	0.088 U	0.083 U	0.083 U
2,4-Dinitrotoluene	mg/l	--	0.015 U	--	0.0083 U	0.0078 U	0.0079 U

Table 2
Wastewater Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	MCC MCC-WW01-11-100707 07/07/2010 Field Sample	MCC MCC-WW02-11-100707 07/07/2010 Field Sample	MCC MCC-WW03-11-100712 07/12/2010 Field Sample	MCC MCC-WW04-11-100712 07/12/2010 Field Sample	MCC MCC-WW05-11-100712 07/12/2010 Field Sample
SVOCs (Continued)							
2,6-Dinitrotoluene	mg/l	--	0.014 U	--	0.0077 U	0.0073 U	0.0073 U
2-Chloronaphthalene	mg/l	--	0.015 U	--	0.0081 U	0.0076 U	0.0076 U
2-Chlorophenol	mg/l	--	0.013 U	--	0.007 U	0.0066 U	0.0066 U
2-Methylnaphthalene	mg/l	--	0.026 J	--	0.0074 U	0.007 U	0.007 U
2-Methylphenol	mg/l	--	0.0277 J	--	0.0618	0.0236 J	0.0116 J
2-Nitroaniline	mg/l	--	0.015 U	--	0.0083 U	0.0078 U	0.0078 U
2-Nitrophenol	mg/l	--	0.021 U	--	0.012 U	0.011 U	0.011 U
3&4-Methylphenol	mg/l	--	1.08	--	0.519	0.0695	0.157
3,3'-Dichlorobenzidine	mg/l	--	0.034 U	--	0.019 U	0.017 U	0.018 U
3-Nitroaniline	mg/l	--	0.035 U	--	0.019 U	0.018 U	0.018 U
4,6-Dinitro-o-cresol	mg/l	--	0.014 U	--	0.008 U	0.0075 U	0.0075 U
4-Bromophenyl phenyl ether	mg/l	--	0.015 U	--	0.008 U	0.0075 U	0.0076 U
4-Chloro-3-methyl phenol	mg/l	--	0.012 U	--	0.0067 U	0.0063 U	0.0064 U
4-Chloroaniline	mg/l	--	0.045 U	--	0.025 U	0.023 U	0.023 U
4-Chlorophenyl phenyl ether	mg/l	--	0.014 U	--	0.0076 U	0.0072 U	0.0072 U
4-Nitroaniline	mg/l	--	0.025 U	--	0.014 U	0.013 U	0.013 U
4-Nitrophenol	mg/l	--	0.07 U	--	0.039 U	0.036 U	0.037 U
Acenaphthene	mg/l	--	0.016 U	--	0.0091 U	0.0085 U	0.0086 U
Acenaphthylene	mg/l	--	0.013 U	--	0.007 U	0.0066 U	0.0066 U
Anthracene	mg/l	--	0.012 U	--	0.0064 U	0.006 U	0.006 U
Benzo(a)anthracene	mg/l	--	0.011 U	--	0.0063 U	0.0059 U	0.0059 U
Benzo(a)pyrene	mg/l	--	0.011 U	--	0.0063 U	0.0059 U	0.0059 U
Benzo(b)fluoranthene	mg/l	--	0.0091 U	--	0.005 U	0.0047 U	0.0048 U
Benzo(g,h,i)perylene	mg/l	--	0.017 U	--	0.0097 U	0.0091 U	0.0091 U
Benzo(k)fluoranthene	mg/l	--	0.011 U	--	0.0062 U	0.0058 U	0.0058 U
Benzoic Acid	mg/l	--	0.364	--	0.586	0.173	0.357
Benzyl Alcohol	mg/l	--	0.014 U	--	0.0076 U	0.0071 U	0.0071 U
bis(2-Chloroethoxy)methane	mg/l	--	0.014 U	--	0.0075 U	0.007 U	0.0071 U
bis(2-Chloroethyl)ether	mg/l	--	0.014 U	--	0.0076 U	0.0071 U	0.0071 U
bis(2-Chloroisopropyl)ether	mg/l	--	0.021 U	--	0.012 U	0.011 U	0.011 U
bis(2-Ethylhexyl)phthalate	mg/l	--	0.0373 J	--	0.0107 J	0.0097 J	0.0097 U
Butyl benzyl phthalate	mg/l	--	0.017 U	--	0.0095 U	0.0089 U	0.009 U
Carbazole	mg/l	--	0.016 U	--	0.0087 U	0.0081 U	0.0082 U
Chrysene	mg/l	--	0.01 U	--	0.0057 U	0.0054 U	0.0054 U

Table 2
Wastewater Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	MCC MCC-WW01-11-100707 07/07/2010 Field Sample	MCC MCC-WW02-11-100707 07/07/2010 Field Sample	MCC MCC-WW03-11-100712 07/12/2010 Field Sample	MCC MCC-WW04-11-100712 07/12/2010 Field Sample	MCC MCC-WW05-11-100712 07/12/2010 Field Sample
SVOCs (Continued)							
Dibenzo(a,h)anthracene	mg/l	--	0.016 U	--	0.009 U	0.0085 U	0.0085 U
Dibenzofuran	mg/l	--	0.014 U	--	0.0077 U	0.0073 U	0.0073 U
Diethyl phthalate	mg/l	--	0.011 U	--	0.0062 U	0.0058 U	0.0059 U
Dimethyl phthalate	mg/l	--	0.011 U	--	0.0061 U	0.0057 U	0.0058 U
Di-n-butyl phthalate	mg/l	--	0.0126 J	--	0.0059 U	0.0056 U	0.0056 U
Di-n-octyl phthalate	mg/l	--	0.014 U	--	0.0076 U	0.0072 U	0.0072 U
Fluoranthene	mg/l	--	0.01 U	--	0.0056 U	0.0053 U	0.0053 U
Fluorene	mg/l	--	0.014 U	--	0.0078 U	0.0073 U	0.0074 U
Hexachlorobenzene	mg/l	--	0.014 U	--	0.0078 U	0.0073 U	0.0074 U
Hexachlorobutadiene	mg/l	--	0.012 U	--	0.0064 U	0.006 U	0.006 U
Hexachlorocyclopentadiene	mg/l	--	0.054 U	--	0.03 U	0.028 U	0.028 U
Hexachloroethane	mg/l	--	0.01 U	--	0.0056 U	0.0053 U	0.0053 U
Indeno(1,2,3-cd)pyrene	mg/l	--	0.019 U	--	0.011 U	0.0099 U	0.0099 U
Isophorone	mg/l	--	0.013 U	--	0.007 U	0.0066 U	0.0066 U
Naphthalene	mg/l	--	0.0665	--	0.0066 U	0.0062 U	0.0062 U
Nitrobenzene	mg/l	--	0.018 U	--	0.01 U	0.0095 U	0.0095 U
N-Nitroso-di-n-propylamine	mg/l	--	0.015 U	--	0.0083 U	0.0078 U	0.0078 U
N-Nitrosodiphenylamine	mg/l	--	0.018 U	--	0.0097 U	0.0091 U	0.0092 U
Pentachlorophenol	mg/l	--	0.14 U	--	0.077 U	0.072 U	0.073 U
Phenanthrene	mg/l	--	0.0141 J	--	0.0056 U	0.0053 U	0.0053 U
Phenol	mg/l	--	0.184	--	0.499	0.0814	0.0259 J
Pyrene	mg/l	--	0.017 U	--	0.0097 U	0.0091 U	0.0091 U
VOCs							
1,1,1-Trichloroethane	mg/l	--	0.00062 U	0.00062 U	0.00062 U	0.00062 U	0.00062 U
1,1,2,2-Tetrachloroethane	mg/l	--	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
1,1,2-Trichloroethane	mg/l	--	0.00098 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U
1,1-Dichloroethane	mg/l	--	0.00052 U	0.00052 U	0.00052 U	0.00052 U	0.00052 U
1,1-Dichloroethylene	mg/l	--	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
1,2-Dichloroethane	mg/l	--	0.00062 U	0.00062 U	0.00062 U	0.00062 U	0.00062 U
1,2-Dichloropropane	mg/l	--	0.00062 U	0.00062 U	0.00062 U	0.00062 U	0.00062 U
2-Hexanone	mg/l	--	0.0032 U	0.0043 J	0.0032 U	0.0032 U	0.0032 U
4-Methyl-2-pentanone	mg/l	--	0.0099 U	0.0099 U	0.0509	0.0606	0.0099 U
Acetone	mg/l	--	1.39	14	0.777	0.382	0.137
Benzene	mg/l	--	0.0189	0.0464	0.0005 U	0.0005 U	0.0005 U

Table 2
Wastewater Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	MCC MCC-WW01-11-100707 07/07/2010 Field Sample	MCC MCC-WW02-11-100707 07/07/2010 Field Sample	MCC MCC-WW03-11-100712 07/12/2010 Field Sample	MCC MCC-WW04-11-100712 07/12/2010 Field Sample	MCC MCC-WW05-11-100712 07/12/2010 Field Sample
VOCs (Continued)							
Bromodichloromethane	mg/l	--	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U
Bromoform	mg/l	--	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
Carbon disulfide	mg/l	--	0.0189	0.0345	0.0176	0.0091	0.0089
Carbon tetrachloride	mg/l	--	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U
Chlorobenzene	mg/l	--	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00056 U
Chloroethane	mg/l	--	0.00092 U	0.00092 U	0.00092 U	0.00092 U	0.00092 U
Chloroform	mg/l	--	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U
cis-1,2-Dichloroethylene	mg/l	--	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00056 U
cis-1,3-Dichloropropene	mg/l	--	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U
Dibromochloromethane	mg/l	--	0.00061 U	0.00061 U	0.00061 U	0.00061 U	0.00061 U
Ethylbenzene	mg/l	--	0.0575	0.757	0.00098 J	0.00055 U	0.00055 U
Methyl bromide	mg/l	--	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Methyl chloride	mg/l	--	0.00084 U	0.00084 U	0.00084 U	0.00084 U	0.00084 U
Methyl ethyl ketone	mg/l	--	0.203	0.198	0.186	0.16	0.0288
Methylene chloride	mg/l	--	0.00041 U	0.00041 U	0.00041 U	0.00041 U	0.00041 U
Styrene	mg/l	--	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00056 U
Tetrachloroethylene	mg/l	--	0.0016 J	0.00091 U	0.00091 U	0.00091 U	0.00091 U
Toluene	mg/l	--	0.07	0.258	0.0042	0.0015 J	0.00061 J
trans-1,2-Dichloroethylene	mg/l	--	0.00045 U	0.00045 U	0.00045 U	0.00045 U	0.00045 U
trans-1,3-Dichloropropene	mg/l	--	0.00068 U	0.00068 U	0.00068 U	0.00068 U	0.00068 U
Trichloroethylene	mg/l	--	0.0013 J	0.00079 J	0.00052 U	0.00052 U	0.00052 U
Vinyl chloride	mg/l	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/l	--	0.426	4.32	0.0023 J	0.0017 U	0.0026 J

Qualifiers:

U indicates nondetect at the associated concentration.

B indicates an estimated concentration below the reporting limit (inorganics only).

B indicates an estimated concentration due to blank or lab contamination (organics only).

J indicates an estimated concentration.

Notes:

-- indicates the sample was not analyzed for the associated parameter.

Table 2
Wastewater Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	MCC MCC-WW06-11-100712 07/12/2010 Field Sample	MCC MCC-WW07-12-100712 07/12/2010 Field Duplicate	MCC MCC-WW08-11-100712 07/12/2010 Field Sample	MCC MCC-WW09-11-100712 07/12/2010 Field Sample	MCC MCC-WW10-11-100712 07/12/2010 Field Sample
Metals							
Aluminum	mg/l	--	0.493	0.481	212	0.295	0.0597 B
Antimony	mg/l	--	0.001 U	0.001 U	0.637	0.013	0.0293
Arsenic	mg/l	--	0.0077	0.0082	0.118	0.0083	0.001 U
Barium	mg/l	--	0.0058 B	0.0047 B	19.5	0.0056 B	0.101 B
Beryllium	mg/l	--	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
Cadmium	mg/l	--	0.00009 B	0.00015 B	0.0155	0.00009 U	0.00009 U
Calcium	mg/l	--	15.3	15.3	202	77.4	23
Chromium	mg/l	--	0.007 B	0.0069 B	0.932	0.008 B	0.00027 U
Cobalt	mg/l	--	0.0026 B	0.0025 B	0.324	0.0183 B	0.00022 U
Copper	mg/l	--	0.0059 U	0.0059 U	2.56	0.0059 U	0.0059 U
Iron	mg/l	--	0.259	0.271	188	0.574	0.718
Lead	mg/l	--	0.0069	0.0069	1.11	0.0091	0.0018 U
Magnesium	mg/l	--	9.16	9.11	21.8	9.43	0.575 B
Manganese	mg/l	--	0.0483	0.0462	1.91	0.0946	0.134
Mercury	mg/l	--	0.000094 U	0.000094 U	0.264	0.000094 U	0.000094 U
Nickel	mg/l	--	0.0902	0.0901	1.89	0.271	0.0016 B
Potassium	mg/l	--	61.4	61.6	167	75.6	1.83 B
Selenium	mg/l	--	0.0027 B	0.0013 B	0.0129	0.002 B	0.0014 B
Silver	mg/l	--	0.00024 U	0.00024 U	0.0227	0.00024 U	0.00031 B
Sodium	mg/l	--	720	726	1030	581	4.72 B
Thallium	mg/l	--	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Vanadium	mg/l	--	0.0055 B	0.0055 B	0.548	0.0148 B	0.0003 U
Zinc	mg/l	--	0.14	0.139	35.4	0.0529	0.0762
SVOCs							
1,2,4-Trichlorobenzene	mg/l	--	0.007 U	0.007 U	0.28 U	0.0069 U	0.0013 U
1,2-Dichlorobenzene	mg/l	--	0.0069 U	0.0069 U	0.27 U	0.0068 U	0.0013 U
1,3-Dichlorobenzene	mg/l	--	0.0069 U	0.0069 U	0.27 U	0.0068 U	0.0013 U
1,4-Dichlorobenzene	mg/l	--	0.0071 U	0.0071 U	0.28 U	0.007 U	0.0013 U
2,4,5-Trichlorophenol	mg/l	--	0.0064 U	0.0064 U	0.25 U	0.0063 U	0.0012 U
2,4,6-Trichlorophenol	mg/l	--	0.0063 U	0.0063 U	0.25 U	0.0062 U	0.0011 U
2,4-Dichlorophenol	mg/l	--	0.012 U	0.012 U	0.48 U	0.012 U	0.0022 U
2,4-Dimethylphenol	mg/l	--	0.007 U	0.007 U	0.28 U	0.0069 U	0.0013 U
2,4-Dinitrophenol	mg/l	--	0.083 U	0.083 U	3.3 U	0.082 U	0.015 U
2,4-Dinitrotoluene	mg/l	--	0.0079 U	0.0079 U	0.31 U	0.0078 U	0.0014 U

Table 2
Wastewater Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	MCC MCC-WW06-11-100712 07/12/2010 Field Sample	MCC MCC-WW07-12-100712 07/12/2010 Field Duplicate	MCC MCC-WW08-11-100712 07/12/2010 Field Sample	MCC MCC-WW09-11-100712 07/12/2010 Field Sample	MCC MCC-WW10-11-100712 07/12/2010 Field Sample
SVOCs (Continued)							
2,6-Dinitrotoluene	mg/l	--	0.0073 U	0.0073 U	0.29 U	0.0072 U	0.0013 U
2-Chloronaphthalene	mg/l	--	0.0076 U	0.0076 U	0.3 U	0.0076 U	0.0014 U
2-Chlorophenol	mg/l	--	0.0066 U	0.0066 U	0.26 U	0.0065 U	0.0012 U
2-Methylnaphthalene	mg/l	--	0.007 U	0.007 U	9.44	0.007 U	0.0013 U
2-Methylphenol	mg/l	--	0.0299	0.0232 J	0.18 U	0.0045 U	0.00083 U
2-Nitroaniline	mg/l	--	0.0078 U	0.0078 U	0.31 U	0.0077 U	0.0014 U
2-Nitrophenol	mg/l	--	0.011 U	0.011 U	0.43 U	0.011 U	0.002 U
3&4-Methylphenol	mg/l	--	0.51	0.362	1.34	0.0086 U	0.0016 U
3,3'-Dichlorobenzidine	mg/l	--	0.018 U	0.018 U	0.69 U	0.017 U	0.0032 U
3-Nitroaniline	mg/l	--	0.018 U	0.018 U	0.72 U	0.018 U	0.0033 U
4,6-Dinitro-o-cresol	mg/l	--	0.0075 U	0.0075 U	0.3 U	0.0074 U	0.0014 U
4-Bromophenyl phenyl ether	mg/l	--	0.0076 U	0.0076 U	0.3 U	0.0075 U	0.0014 U
4-Chloro-3-methyl phenol	mg/l	--	0.0064 U	0.0064 U	0.25 U	0.0063 U	0.0012 U
4-Chloroaniline	mg/l	--	0.023 U	0.023 U	0.93 U	0.023 U	0.0043 U
4-Chlorophenyl phenyl ether	mg/l	--	0.0072 U	0.0072 U	0.28 U	0.0071 U	0.0013 U
4-Nitroaniline	mg/l	--	0.013 U	0.013 U	0.51 U	0.013 U	0.0023 U
4-Nitrophenol	mg/l	--	0.037 U	0.037 U	1.4 U	0.036 U	0.0067 U
Acenaphthene	mg/l	--	0.0086 U	0.0086 U	0.847 J	0.0085 U	0.0016 U
Acenaphthylene	mg/l	--	0.0066 U	0.0066 U	0.26 U	0.0066 U	0.0012 U
Anthracene	mg/l	--	0.006 U	0.006 U	0.24 U	0.006 U	0.0011 U
Benzo(a)anthracene	mg/l	--	0.0059 U	0.0059 U	0.23 U	0.0059 U	0.0011 U
Benzo(a)pyrene	mg/l	--	0.0059 U	0.0059 U	0.23 U	0.0059 U	0.0011 U
Benzo(b)fluoranthene	mg/l	--	0.0048 U	0.0048 U	0.19 U	0.0047 U	0.00087 U
Benzo(g,h,i)perylene	mg/l	--	0.0091 U	0.0091 U	0.36 U	0.009 U	0.0017 U
Benzo(k)fluoranthene	mg/l	--	0.0058 U	0.0058 U	0.23 U	0.0058 U	0.0011 U
Benzoic Acid	mg/l	--	0.366	0.321	1.1 U	0.027 U	0.005 U
Benzyl Alcohol	mg/l	--	0.0071 U	0.0071 U	0.28 U	0.0071 U	0.0013 U
bis(2-Chloroethoxy)methane	mg/l	--	0.0071 U	0.0071 U	0.28 U	0.007 U	0.0013 U
bis(2-Chloroethyl)ether	mg/l	--	0.0071 U	0.0071 U	0.28 U	0.0071 U	0.0013 U
bis(2-Chloroisopropyl)ether	mg/l	--	0.011 U	0.011 U	0.43 U	0.011 U	0.002 U
bis(2-Ethylhexyl)phthalate	mg/l	--	0.0097 U	0.012 J	0.926 J	0.0337	0.0018 J
Butyl benzyl phthalate	mg/l	--	0.009 U	0.009 U	0.35 U	0.0089 U	0.0016 U
Carbazole	mg/l	--	0.0082 U	0.0082 U	0.32 U	0.0081 U	0.0015 U
Chrysene	mg/l	--	0.0054 U	0.0054 U	0.21 U	0.0061 J	0.00098 U

Table 2
Wastewater Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	MCC MCC-WW06-11-100712 07/12/2010 Field Sample	MCC MCC-WW07-12-100712 07/12/2010 Field Duplicate	MCC MCC-WW08-11-100712 07/12/2010 Field Sample	MCC MCC-WW09-11-100712 07/12/2010 Field Sample	MCC MCC-WW10-11-100712 07/12/2010 Field Sample
SVOCs (Continued)							
Dibenzo(a,h)anthracene	mg/l	--	0.0085 U	0.0085 U	0.34 U	0.0084 U	0.0016 U
Dibenzofuran	mg/l	--	0.0073 U	0.0073 U	0.29 U	0.0072 U	0.0013 U
Diethyl phthalate	mg/l	--	0.0059 U	0.0059 U	0.23 U	0.0058 U	0.0011 U
Dimethyl phthalate	mg/l	--	0.0058 U	0.0058 U	0.23 U	0.0057 U	0.0011 U
Di-n-butyl phthalate	mg/l	--	0.0056 U	0.0056 U	0.377 J	0.0055 U	0.001 U
Di-n-octyl phthalate	mg/l	--	0.0072 U	0.0072 U	0.28 U	0.0071 U	0.0013 U
Fluoranthene	mg/l	--	0.0053 U	0.0053 U	0.21 U	0.0053 U	0.00097 U
Fluorene	mg/l	--	0.0074 U	0.0074 U	0.465 J	0.0073 U	0.0013 U
Hexachlorobenzene	mg/l	--	0.0074 U	0.0074 U	0.29 U	0.0073 U	0.0013 U
Hexachlorobutadiene	mg/l	--	0.006 U	0.006 U	0.24 U	0.006 U	0.0011 U
Hexachlorocyclopentadiene	mg/l	--	0.028 U	0.028 U	1.1 U	0.028 U	0.0052 U
Hexachloroethane	mg/l	--	0.0053 U	0.0053 U	0.21 U	0.0053 U	0.00097 U
Indeno(1,2,3-cd)pyrene	mg/l	--	0.0099 U	0.0099 U	0.39 U	0.0098 U	0.0018 U
Isophorone	mg/l	--	0.0066 U	0.0066 U	0.26 U	0.0065 U	0.0012 U
Naphthalene	mg/l	--	0.0062 U	0.0068 J	32	0.0061 U	0.0011 U
Nitrobenzene	mg/l	--	0.0095 U	0.0095 U	0.38 U	0.0094 U	0.0017 U
N-Nitroso-di-n-propylamine	mg/l	--	0.0078 U	0.0078 U	0.31 U	0.0077 U	0.0014 U
N-Nitrosodiphenylamine	mg/l	--	0.0092 U	0.0092 U	0.36 U	0.0091 U	0.0017 U
Pentachlorophenol	mg/l	--	0.073 U	0.073 U	2.9 U	0.072 U	0.013 U
Phenanthrene	mg/l	--	0.0053 U	0.0053 U	0.735 J	0.0053 U	0.00097 U
Phenol	mg/l	--	0.142	0.108	0.16 U	0.0041 U	0.00075 U
Pyrene	mg/l	--	0.0091 U	0.0091 U	0.36 U	0.0105 J	0.0017 U
VOCs							
1,1,1-Trichloroethane	mg/l	--	0.00062 U	0.00062 U	0.0031 U	0.00062 U	0.00062 U
1,1,2,2-Tetrachloroethane	mg/l	--	0.0012 U	0.0012 U	0.0058 U	0.0012 U	0.0012 U
1,1,2-Trichloroethane	mg/l	--	0.00098 U	0.00098 U	0.0049 U	0.00098 U	0.00098 U
1,1-Dichloroethane	mg/l	--	0.00052 U	0.00052 U	0.0026 U	0.00052 U	0.00052 U
1,1-Dichloroethylene	mg/l	--	0.0005 U	0.0005 U	0.0025 U	0.0005 U	0.0005 U
1,2-Dichloroethane	mg/l	--	0.00062 U	0.00062 U	0.991	0.00062 U	0.00062 U
1,2-Dichloropropane	mg/l	--	0.00062 U	0.00062 U	0.0053 J	0.00062 U	0.00062 U
2-Hexanone	mg/l	--	0.0032 U	0.0032 U	0.016 U	0.0032 U	0.0032 U
4-Methyl-2-pentanone	mg/l	--	0.013	0.0152	2.1	0.0099 U	0.0099 U
Acetone	mg/l	--	0.387	0.45 B	18.5	0.0783	0.008 JB
Benzene	mg/l	--	0.0017 J	0.0019 J	3.13	0.0005 U	0.0005 U

Table 2
Wastewater Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	MCC MCC-WW06-11-100712 07/12/2010 Field Sample	MCC MCC-WW07-12-100712 07/12/2010 Field Duplicate	MCC MCC-WW08-11-100712 07/12/2010 Field Sample	MCC MCC-WW09-11-100712 07/12/2010 Field Sample	MCC MCC-WW10-11-100712 07/12/2010 Field Sample
VOCs (Continued)							
Bromodichloromethane	mg/l	--	0.00049 U	0.00049 U	0.0024 U	0.00049 U	0.00049 U
Bromoform	mg/l	--	0.0014 U	0.0014 U	0.0068 U	0.0014 U	0.0014 U
Carbon disulfide	mg/l	--	0.0097	0.0082	0.032	0.0012 J	0.00053 U
Carbon tetrachloride	mg/l	--	0.00066 U	0.00066 U	0.0033 U	0.00066 U	0.00066 U
Chlorobenzene	mg/l	--	0.00056 U	0.00056 U	0.0028 U	0.00056 U	0.00056 U
Chloroethane	mg/l	--	0.00092 U	0.00092 U	0.0046 U	0.00092 U	0.00092 U
Chloroform	mg/l	--	0.00064 U	0.00064 U	0.0177	0.00064 U	0.00064 U
cis-1,2-Dichloroethylene	mg/l	--	0.00056 U	0.00056 U	0.0028 U	0.00056 U	0.00056 U
cis-1,3-Dichloropropene	mg/l	--	0.00048 U	0.00048 U	0.0024 U	0.00048 U	0.00048 U
Dibromochloromethane	mg/l	--	0.00061 U	0.00061 U	0.0031 U	0.00061 U	0.00061 U
Ethylbenzene	mg/l	--	0.00079 J	0.0012 J	1.92	0.00092 J	0.00055 U
Methyl bromide	mg/l	--	0.00094 U	0.00094 U	0.0047 U	0.00094 U	0.00094 U
Methyl chloride	mg/l	--	0.00084 U	0.00084 U	0.0042 U	0.00084 U	0.00084 U
Methyl ethyl ketone	mg/l	--	0.078	0.0932	2.75	0.0087 J	0.0039 U
Methylene chloride	mg/l	--	0.00041 U	0.00041 U	0.669	0.00041 U	0.00041 U
Styrene	mg/l	--	0.00056 U	0.00056 U	0.0028 U	0.00056 U	0.00056 U
Tetrachloroethylene	mg/l	--	0.00091 U	0.00091 U	0.0409	0.00091 U	0.00091 U
Toluene	mg/l	--	0.0015 J	0.002	3.38	0.00081 J	0.00043 U
trans-1,2-Dichloroethylene	mg/l	--	0.00045 U	0.00045 U	0.0022 U	0.00045 U	0.00045 U
trans-1,3-Dichloropropene	mg/l	--	0.00068 U	0.00068 U	0.0034 U	0.00068 U	0.00068 U
Trichloroethylene	mg/l	--	0.00052 U	0.00052 U	0.0479	0.00052 U	0.00052 U
Vinyl chloride	mg/l	--	0.001 U	0.001 U	0.0051 U	0.001 U	0.001 U
Xylene (total)	mg/l	--	0.0032 J	0.0043 J	8.77	0.004 J	0.0017 U

Qualifiers:

U indicates nondetect at the associated concentration.

B indicates an estimated concentration below the reporting limit (inorganics only).

B indicates an estimated concentration due to blank or lab contamination (organics only).

J indicates an estimated concentration.

Notes:

-- indicates the sample was not analyzed for the associated parameter.

Table 3
Sludge Sample Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	USOR WP01-71-101115 11/15/2010 Field Sample	USOR WP02-71-101116 11/16/2010 Field Sample	USOR WP03-71-101116 11/16/2010 Field Sample
Metals					
Arsenic	mg/kg	--	39.3	13.7	5.5
Barium	mg/kg	--	1790	1720	518
Cadmium	mg/kg	--	1.2	1.6	0.5
Chromium	mg/kg	--	78.7	101	40.9
Lead	mg/kg	--	133	96.6	45.3
Mercury	mg/kg	--	15.3	45.1	9.5
Selenium	mg/kg	--	0.2 U	0.46 B	0.96
Silver	mg/kg	--	1.5	1.5	0.6 B
RCI					
Cyanide Reactivity	mg/kg	--	0.052 U	0.052 U	0.052 U
Sulfide Reactivity	mg/kg	--	6.1 U	6.1 U	6.1 U

Qualifiers:

U indicates nondetect at the associated concetration.

B indicates an estimated concentration below the reporting limit (inorganics only).

Table 4
Sludge Sample TCLP Analytical Results
US Oil Recovery
Pasadena, Harris County, Texas

Analyte	Units	Location Sample ID Date Sample Type	USOR WP01-71-101115 11/15/2010 Field Sample	USOR WP02-71-101116 11/16/2010 Field Sample	USOR WP03-71-101116 11/16/2010 Field Sample
TCLP Metals					
Arsenic	mg/l	--	0.027 B	0.023 B	0.026 B
Barium	mg/l	--	0.42 B	0.15 B	0.21 B
Cadmium	mg/l	--	0.0015 U	0.0015 U	0.0015 U
Chromium	mg/l	--	0.0095 U	0.015 B	0.021 B
Lead	mg/l	--	0.011 B	0.012 B	0.04
Mercury	mg/l	--	0.0005 U	0.0096	0.0005 U
Selenium	mg/l	--	0.016 U	0.029 B	0.032 B
Silver	mg/l	--	0.004 U	0.004 U	0.004 U
TCLP SVOCs					
1,4-Dichlorobenzene	mg/l	--	0.013 U	0.013 U	0.013 U
2,4,5-Trichlorophenol	mg/l	--	0.012 U	0.012 U	0.012 U
2,4,6-Trichlorophenol	mg/l	--	0.011 U	0.011 U	0.011 U
2,4-Dinitrotoluene	mg/l	--	0.014 U	0.014 U	0.014 U
2-Methylphenol	mg/l	--	0.0878	0.0384 J	0.0353 J
3&4-Methylphenol	mg/l	--	0.471	0.232	0.0797
Hexachlorobenzene	mg/l	--	0.013 U	0.013 U	0.013 U
Hexachlorobutadiene	mg/l	--	0.011 U	0.011 U	0.011 U
Hexachloroethane	mg/l	--	0.0097 U	0.0097 U	0.0097 U
Nitrobenzene	mg/l	--	0.017 U	0.017 U	0.017 U
Pentachlorophenol	mg/l	--	0.13 U	0.13 U	0.13 U
Pyridine	mg/l	--	0.0099 U	0.0099 U	0.0099 U
TCLP VOCs					
1,1-Dichloroethylene	mg/l	--	0.025 U	0.025 U	0.025 U
1,2-Dichloroethane	mg/l	--	0.031 U	0.031 U	0.031 U
Benzene	mg/l	--	3.75	0.0322 J	0.273
Carbon tetrachloride	mg/l	--	0.033 U	0.033 U	0.033 U
Chlorobenzene	mg/l	--	0.028 U	0.028 U	0.028 U
Chloroform	mg/l	--	0.032 U	0.032 U	0.032 U
Methyl ethyl ketone	mg/l	--	0.695	0.702	0.32 J
Tetrachloroethylene	mg/l	--	0.046 U	0.046 U	0.046 U
Trichloroethylene	mg/l	--	0.026 U	0.026 U	0.026 U
Vinyl chloride	mg/l	--	0.051 U	0.051 U	0.051 U

Qualifiers:

U indicates nondetect at the associated concetration.

B indicates an estimated concentration below the reporting limit (inorganics only).

J indicates an estimated concentration.