NUS CORPORATION
A Halliburton Company

PROJECT NO. Q

PROJECT MGR.

RICE SAMPLE NO. 21070555

DATE RECEIVED 7-22-81

TIME

DATE REPORTED 8-28-81

DATE SAMPLED 7-21-81

CLIENT NO.

Sample Source Oxygen Pond

	DETERMINATION	mg/l	
	FORM 2-C Part V-A		
a	Bio. Oxygen Demand	11	
b	Chem. Oxygen Demand	200	
c	Total Organic Carbon	60	
d	Total Suspended Solids	48	
e	Ammonia (N)	0.2	
i	pH	8.3	
	Part V-B		
a	Bromide	<2.0	
b	Chlorine, T. Residual	0.1	
c	Color (APHA Units)	90	
d	Fecal Coliform/100ml	0	
e	Fluoride	0.4	
f	Nitrate-Nitrite (N)	0.5	
g	Nitrogen, T. Organic (N)	4.8	
h	Oil and Grease	<1	
i	Phosphorus, T. (P)	0.38	
k	Sulfate (SO_4)	<1	
l	Sulfide (S)	<0.1	
m	Sulfite (SO_3)	<0.5	
n	Surfactants	0.28	
o	Aluminum, Total	1.0	
p	Barium, Total	<0.2	
q	Boron, Total	0.2	
r	Cobalt, Total	<0.02	
s	Iron, Total	0.66	
t	Magnesium, Total	110	
u	Molybdenum, Total	<0.05	
v	Manganese, Total	0.25	
w	Tin, Total	<1	
x	Titanium, Total	<2	

DETERMINATION	mg/l	
Parts V-C		
Metals, Cyanide, & Total Phenols		
1M Antimony, Total	<0.1	
2M Arsenic, Total	<0.005	
3M Beryllium, Total	<0.02	
4M Cadmium, Total	<0.01	
5M Chromium, Total	<0.02	
6M Copper, Total	<0.02	
7M Lead, Total	<0.05	
8M Mercury, Total	<0.0002	
9M Nickel, Total	<0.02	
10M Selenium, Total	<0.005	
11M Silver, Total	<0.02	
12M Thallium, Total	<0.1	
13M Zinc, Total	<0.01	
14M Cyanide, Total	0.008	
15M Phenols, Total	0.01	
DIOXIN		
2,3,7,8 Tetrachlorodibenzo-P-dioxin (Screening)		

On page 3, Column B lists the minimum working limits which are normally reported. If a blank occurs in Column A of a requested determination, the limit in Column B should be used for permit application and compliance reports.

DETERMINATION	A µg/l	B µg/l
Part V-C (Con't)		
GC/MS Fraction-Volatile Compounds		
1V Acrolein		<100
2V Acrylonitrile		<100
3V Benzene		<10
4V Bis (Chloromethyl) Ether		<10
5V Bromoform		<10
6V Carbon Tetrachloride		<10
7V Chlorobenzene		<10
8V Chlorodibromomethane		<10
9V Chloroethane		<10
10V 2-Chloroethylvinyl Ether		<10
11V Chloroform		<10
12V Dichlorobromomethane		<10
13V Dichlorodifluoromethane		<10
14V 1,1-Dichloroethane		<10
15V 1,2-Dichloroethane		<10
16V 1,1-Dichloroethylene		<10
17V 1,2-Dichloropropane		<10
18V 1,3-Dichloropropylene		<10
19V Ethylbenzene		<10
20V Methyl Bromide		<10
21V Methyl Chloride		<10
22V Methylene Chloride		<10
23V 1,1,2,2-Tetrachloroethane		<10
24V Tetrachloroethylene		<10
25V Toluene		<10
26V 1,2-Trans-Dichloroethylene		<10
27V 1,1,1-Trichloroethane		<10
28V 1,1,2-Trichloroethane		<10
29V Trichloroethylene		<10
30V Trichlorofluoromethane		<10
31V Vinyl chloride		<10
GC/MS Fraction — Acid Compounds		
1A 2-Chlorophenol		<25
2A 2,4-Dichlorophenol		<25
3A 2,4-Dimethylphenol		<25
4A 4,6-Dinitro-o-cresol		<250
5A 2,4-Dinitrophenol		<250
6A 2-Nitrophenol		<25
7A 4-Nitrophenol		<25
8A p-Chloro-m-cresol		<25
9A Pentachlorophenol		<25
10A Phenol		<25
11A 2,4,6-Trichlorophenol		<25
GC/MS Fraction Base Neutral Compounds		
1B Acenaphthene		<10

DETERMINATION	A µg/l	B µg/l
Part V-C (Con't)		
2B Acenaphthylene		<10
3B Anthracene		<10
4B Benzidine		<10
5B Benzo (a) Anthracene		<10
6B Benzo (a) Pyrene		<10
7B 3,4-Benzofluoranthene		<10
8B Benzo (ghi) Perylene		<25
9B Benzo (k) Fluoranthene		<10
10B Bis (2-Chloroethoxy) Methane		<10
11B Bis (2-Chloroethyl) Ether		<10
12B Bis (2-Chloroisopropyl) Ether		<10
13B Bis (2-Ethylhexyl) Phthalate	20	<10
14B 4-Bromophenyl Phenyl Ether		<10
15B Butyl Benzyl Phthalate		<10
16B 2-Chloronaphthalene		<10
17B 4-Chlorophenyl Phenyl Ether		<10
18B Chrysene		<10
19B Dibenzo (a,h) Anthracene		<25
20B 1,2-Dichlorobenzene		<10
21B 1,3-Dichlorobenzene		<10
22B 1,4-Dichlorobenzene		<10
23B 3,3'-Dichlorobenzidine		<10
24B Diethyl Phthalate		<10
25B Dimethyl Phthalate		<10
26B Di-N-Butyl Phthalate		<10
27B 2,4-Dinitrotoluene		<10
28B 2,6-Dinitrotoluene		<10
29B Di-N-Octyl Phthalate		<10
30B 1,2-Diphenylhydrazine (as Azobenzene)		<10
31B Fluoranthene		<10
32B Fluorene		<10
33B Hexachlorobenzene		<10
34B Hexachlorobutadiene		<10
35B Hexachloro-cyclopentadiene		<10
36B Hexachloroethane		<10
37B Indeno (1,2,3 cd) Pyrene		<25

DETERMINATION	A µg/l	B µg/l
Part V-C (Con't)		
38B Isophorone		<10
39B Naphthalene		<10
40B Nitrobenzene		<10
41B N-Nitrosodi-methylamine		<50
42B N-Nitrosodi-N-Propylamine		<10
43B N-Nitrosodi-phenylmine		<10
44B Phenanthrene		<10
45B Pyrene		<10
46B 1,2,4-Trichloro-benzene		<10
GC/EC Fraction Pesticides		
1P Aldrin		<10
2P α BHC		<10
3P β BHC		<10
4P γ BHC		<10
5P δ BHC		<10
6P Chlordane		<20
7P 4-4' DDT		<10
8P 4-4' DDE		<10
9P 4-4' DDD		<10
10P Dieldrin		<10
11P α Endosulfan		<10
12P β Endosulfan		<10
13P Endosulfan Sulfate		<10
14P Endrin		<10
15P Endrin Aldehyde		<20
16P Heptachlor		<10
17P Heptachlor Epoxide		<10
18P PCB-1242		<40
19P PCB-1254		<40
20P PCB-1221		<40
21P PCB-1232		<40
22P PCB-1248		<40
23P PCB-1260		<40
24P PCB-1016		<40
25P Toxaphene		<20

	Date Extracted	Date Injected	Conc. Factor	Standard	Book & Page No.
ACID GC/MS					
B-N GC/MS					
VOA GC/MS					
PEST. GC					

Jerry Bright Jan

NUS CORPORATION
A Halliburton Company

Analyses are performed in accordance with "Guidelines Establishing Test Procedures for the Analysis of Pollutants", 40 CFR 136.

The reference methods for organic toxic pollutant analyses are the proposed regulations of December 3, 1979 (Federal Register, Vol. 44, No. 233).

NUS CORPORATION
A Halliburton Company

CYRU /M. RICE DIVISION

[X] ANALYTICAL SERVICES LABORATORY
SOUTH CENTRAL OPERATIONS
900 GEMINI AVENUE • HOUSTON, TEXAS 77058
713-486-1810

[ ] ANALYTICAL SERVICES LABORATORY
15 NOBLE AVENUE • PITTSBURGH, PA 15205
412-343-9200

National Pollutant Discharge Elimination System

ANALYTICAL REPORT

McGinnis Industrial Maint. Corp.
COMPANY NAME

5837 North Dale
ADDRESS

Houston, TX 77087
CITY/STATE

Attn: Roland McGinnis

PLANT