

APPENDIX A

REPORTABLE TOXIC CHEMICAL LIST DEVELOPMENT

SARA TITLE III, SECTION 313

1989 TOXIC CHEMICAL RELEASE INVENTORY

LAKE CHARLES REFINERY

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NICKEL

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS116	NR. 725 NICKEL ANTI-SEIZE COMPOUND (BULK)	25.0	30.0
00	PLANT-WIDE/FIELD UNIT	D	A. W. CHESTERTON CO.

SAL 000004436

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NICKEL

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER			
GS116	725 NICKEL ANTI-SEIZE COMPOUND (BULK AND PRESSURIZED CAN)			25.0	30.0	
00	PLANT-WIDE/FIELD UNIT	D	A. W. CHESTERTON CO.			
GS542	CARBON AND ALLOY STEELS			<	.0	10.0
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.			
GS543	STAINLESS STEELS			<	.0	34.0
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.			
GS544	CHROME PLATED CARBON STEEL			<	.0	1.0
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.			
GS546	NICKEL BASED ALLOY STEEL				.0	999.9
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.			
GS572	NICKEL, 1000 PPM (0.100% W/V)			<	.0	1.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.			

SAL 000004437

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NICKEL

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GSS98	HY-PAK RASCHIG RINGS			9.0	9.0
20	SULFURIC ACID ALKYLATION UNIT	D	NORTON CO.		

SAL 000004438

MAR 26, 1998

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NICKEL

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GS609	GRAPHALLOY			<	.0 50.0
90	PLANT-WIDE/FIELD, MAINTENANCE	EXXX	D	GRAPHITE METALLIZING CORP.	

SAL 000004439

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NITRIC ACID

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
GS262	NITRIC ACID			65.0	75.0
00	PLANT-WIDE/FIELD UNIT	06	J. T. BAKER CHEMICAL CO.		
20	NO PROCESS CODE	06	J. T. BAKER CHEMICAL CO.		
GS563	CADMIUM, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		
GS564	CALCIUM, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		
GS566	COPPER, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		
GS567	IRON, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		
GS568	LEAD, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		
GS570	MANGANESE, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		
GS572	NICKEL, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		
GS573	POTASSIUM, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		
GS575	SODIUM, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		

SAL 000004440

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NITRIC ACID

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS576	VANADIUM, 1000 PPM (0.100% W/V)				1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.			
GS577	ZINC, 1000 PPM (0.100% W/V)				1.0	2.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.			

SAL 000004441

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NITRIC ACID (0.3 MOLAR)

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GS569	MAGNESIUM, 1000 PPM (0.100% W/V)			1.0	2.0
14	PLANT LABORATORY-OC	F	J. T. BAKER CHEMICAL CO.		

SAL 000004442

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

O-CRESOL

AREA/ SECT CODE		TASK	ROLES	MANUFACTURER	
GS115	MR. 573 CARBON AND VARNISH REMOVER			1.0	5.0
60	PLANT-WIDE/FIELD, MAINTENANCE	D	A. W. CHESTERTON CO.		
GS447	DMD-2			< .0	1.0
70	H2 TREAT, DESULF/DENITRIF	D	DU PONT		

SAL 000004443

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

O-XYLENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER

GS351 XYLENES 15.0 20.0

14 PLANT LABORATORY-QC F J. T. BAKER CHEMICAL CO.

SAL 000004444

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

P-CRESOL

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS115	MR. 573 CARBON AND VARNISH REMOVER	1.0	5.0
60	PLANT-WIDE/FIELD, MAINTENANCE	D	A. W. CHESTERTON CO.

SAL 000004445

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

P-XYLENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
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GS351 XYLENES < .0 20.0

14 PLANT LABORATORY-QC F J. T. BAKER CHEMICAL CO.

SAL 000004446

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

PHENOL

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
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CP033 SPENT CAUSTIC

.0 999.9

20	NO PROCESS CODE	C	CONOCO INC.
20	NO PROCESS CODE	C	CONOCO INC.
20	SULFURIC ACID ALKYLATION UNIT	C	CONOCO INC.
30	CRUDE PROCESS, ATMOS DISTILL	C	CONOCO INC.
40	WASTE TREAT, AQUEOUS	C	CONOCO INC.
60	CRUDE PROCESS, VIRGIN LT ENDS	C	CONOCO INC.

SAL 000004447

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

PHENOL

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS447	DMD-2			<	.0	1.0
70	H2 TREAT, DESULF/DENITRIF	D	DU PONT			
GS492	823 ALUMINUM PUTTY PLUS PART B			<	.0	2.0
90	PLANT-WIDE/FIELD, MAINT-ROUTIN	D	A. W. CHESTERTON CO.			
GS498	810 STEEL PUTTY PLUS PART B			<	.0	2.0
90	PLANT-WIDE/FIELD, MAINT-ROUTIN	D	A. W. CHESTERTON CO.			

SAL 000004448

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

PHENOL (HYDROXY BENZENE)

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
CI057	SOUR WATER WASTE STREAMS		.0 999.9
10	NO PROCESS CODE	E	CONOCO INC.
20	NO PROCESS CODE	E	CONOCO INC.
20	NO PROCESS CODE	E	CONOCO INC.
20	NO PROCESS CODE	E	CONOCO INC.
20	NO PROCESS CODE	E	CONOCO INC.
20	SULFURIC ACID MFG, CONTACT	E	CONOCO INC.
20	THERMAL CRACKING UNIT	E	CONOCO INC.
30	CRUDE PROCESSING UNIT	E	CONOCO INC.
30	NO PROCESS CODE	E	CONOCO INC.
40	CAT REFORM, W/O HYDROGENATION	E	CONOCO INC.
40	HYDROGEN TREATING UNIT	E	CONOCO INC.
50	COKING UNIT	E	CONOCO INC.
60	CRUDE PROCESS, VIRGIN LT ENDS	E	CONOCO INC.
60	PLANT-WIDE/FIELD, OPERATIONS	E	CONOCO INC.
70	CRUDE PROCESSING UNIT	E	CONOCO INC.
70	NO PROCESS CODE	E	CONOCO INC.
70	NO PROCESS CODE	E	CONOCO INC.
70	NO PROCESS CODE	E	CONOCO INC.

SAL 000004449

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

PHOSPHORIC ACID

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS024	ALPHACHEN 5212 ACID CLEANER			.0 999.9
50	COKING UNIT	D	ALPHA CHEMICAL CO.	
60	PLANT-WIDE/FIELD, OPERATIONS	D	ALPHA CHEMICAL CO.	

SAL 000004450

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

PHOSPHORIC ACID

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS085	BETZ 40P			.0 999.9
12	UTILITY UNIT	D	BETZ INDUSTRIAL	
99	REC/STOR/MOVE, WAREHOUSE	D	BETZ INDUSTRIAL	

SAL 000004451

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

PHOSPHORIC ACID

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS422	MONOSODIUM PHOSPHATE LIQUID 30%			.0 999.9
30	GASOLINE POLYMERIZATION UNIT	D	ENVIRONMENTAL & CHEMICAL SERVICES	
60	CRUDE PROCESS, VIRGIN LT ENDS	D	ENVIRONMENTAL & CHEMICAL SERVICES	
99	REC/STOR/MOVE, WAREHOUSE	I	ENVIRONMENTAL & CHEMICAL SERVICES	

SAL 000004452

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

PHOSPHORIC ACID

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS482			NALCO A-2-LITE 7356
		5.0	10.0
68		UTILITY, PUMP HOUSE (COOLING T	D NALCO CHEMICAL CO.

SAL 000004453

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

PHOSPHORIC ACID, 75%

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS041		TANK CAR CLEANER NO. 8			12.0	12.0
50	COKING UNIT		D	AZTRON CHEMICAL SERVICES INC.		
60	PLANT-WIDE/FIELD, OPERATIONS		D	AZTRON CHEMICAL SERVICES INC.		

SAL 000004454

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

PSEUDOCUMENT

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
CP020	LEADED REGULAR GASOLINE			2.0	2.0
10	NO PROCESS CODE	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP021	SUPER UNLEADED GASOLINE			2.0	2.0
10	NO PROCESS CODE	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP022	UNLEADED GASOLINE			2.0	2.0
10	NO PROCESS CODE	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		

SAL 000004455

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

STYRENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
CI054	HEAVY AROMATIC DISTILLATE				6.0	10.0
10	NO PROCESS CODE	C	DU PONT			
10	RECEIPT/STORAGE/MOVEMENTS UNIT	C	DU PONT			
70	CRUDE PROCESSING UNIT	C	DU PONT			
80	DOCK OPERATIONS UNIT	C	DU PONT			
PC017	PLASITE 5602 FINAL COAT				30.0	70.0
20	SULFURIC ACID MFG, CONTACT	CB50	D	WISCONSIN PROTECTIVE COATINGS		
PC018	PLASITE 5602 VINYL ESTER TOPPING TILE RED				< .0	30.0
20	SULFURIC ACID MFG, CONTACT	CB50	D	WISCONSIN PROTECTIVE COATINGS		

SAL 000004456

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

STYRENE/DIVINYLBENZENE ANION EXCHANGE RESIN

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GS458				35.0 55.0	
12			D	ROHM & HAAS CO.	
UTILITY UNIT					

SAL 000004457

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

SULFURIC ACID

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
CI038	SULFURIC ACID ALKYLATION WET BLOWDOWN GAS			.0 999.9
20	NO PROCESS CODE	C	CONOCO INC.	
20	NO PROCESS CODE	C	CONOCO INC.	
20	SULFURIC ACID ALKYLATION UNIT	C	CONOCO INC.	
CP035	SULFURIC ACID			100.0 100.0
12	UTILITY UNIT	AC	CONOCO INC.	
20	NO PROCESS CODE	AC	CONOCO INC.	
20	NO PROCESS CODE	AC	CONOCO INC.	
20	NO PROCESS CODE	AC	CONOCO INC.	
20	SULFURIC ACID ALKYLATION UNIT	AC	CONOCO INC.	
20	SULFURIC ACID MFG, CONTACT	AC	CONOCO INC.	
40	CAT REFORM, W/O HYDROGENATION	AC	CONOCO INC.	
40	WASTE TREAT, AQUEOUS	AC	CONOCO INC.	
60	UTILITY, PUMP HOUSE (COOLING T	AC	CONOCO INC.	

SAL 000004458

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

SULFURIC ACID

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
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CP036 SULFURIC ACID (SPENT) 5.0 50.0

20	NO PROCESS CODE	AC	CONOCO INC.
20	NO PROCESS CODE	AC	CONOCO INC.
20	NO PROCESS CODE	AC	CONOCO INC.
20	SULFURIC ACID ALKYLATION UNIT	AC	CONOCO INC.
20	SULFURIC ACID MFG, CONTACT	AC	CONOCO INC.

SAL 000004459

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

SULFURIC ACID

AREA/ SECT CODE	TASK ROLES CODE	MANUFACTURER
6S334	TRILL	.0 999.9
00	PLANT-WIDE/FIELD UNIT	D NATIONAL CHEMSEARCH DIV. OF NCH CORP.

SAL 000004460

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

SULFURIC ACID

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS402	MOLYBDATE REAGENT FOR P04			.0 999.9
20	SULFURIC ACID MFG, CONTACT	F		BETZ LABORATORIES INC.

SAL 000004461

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

SULFURIC ACID

AREA/ SECT CODE	TASK	ROLES CODE	MANUFACTURER		
GS403	SULFURIC ACID SOLUTION,10M			.0	999.9
20	SULFURIC ACID MFG, CONTACT	F	BETZ LABORATORIES INC.		
GS404	SILICA 1 REAGENT			.0	999.9
20	SULFURIC ACID MFG, CONTACT	F	BETZ LABORATORIES INC.		
GS419	PHOSPHATE CHEMETS R-8510			5.0	5.0
20	SULFURIC ACID MFG, CONTACT	F	CHEMETRICS INC.		
GS507	SULFURIC ACID			93.0	98.0
12	UTILITY UNIT	D	CHEMICAL MARKETING SERVICES INC.		
20	NO PROCESS CODE	D	CHEMICAL MARKETING SERVICES INC.		
20	SULFURIC ACID ALKYLATION UNIT	D	CHEMICAL MARKETING SERVICES INC.		
40	CAT REFORM, W/O HYDROGENATION	D	CHEMICAL MARKETING SERVICES INC.		
40	WASTE TREAT, AQUEOUS	D	CHEMICAL MARKETING SERVICES INC.		
60	UTILITY, PUMP HOUSE (COOLING T	D	CHEMICAL MARKETING SERVICES INC.		
SULFURIC ACID, 77 TO 100%				77.0	100.0
12	UTILITY UNIT	D	DU PONT		
20	NO PROCESS CODE	D	DU PONT		
20	SULFURIC ACID ALKYLATION UNIT	D	DU PONT		
40	CAT REFORM, W/O HYDROGENATION	D	DU PONT		
40	WASTE TREAT, AQUEOUS	D	DU PONT		
60	UTILITY, PUMP HOUSE (COOLING T	D	DU PONT		

SAL 000004462

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

AREA/
SECT
CODE

TASK	ROLES
CODE	

MANUFACTURER

< .0 20.0

20 SULFURIC ACID MFG, CONTACT

FACH CO.

SAL 000004463

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

SULFURIC ACID 93%

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS033	AMMONIUM MOLYBDATE REAGENT FOR SILICA			<	.0	10.0
12	UTILITY UNIT		F	HACH CO.		
GS413	AMMONIUM MOLYBDATE REAGENT FOR SILICA			<	.0	10.0
20	SULFURIC ACID MFG, CONTACT		F	HACH CO.		

SAL 000004464

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TERT BUTYL ALCOHOL

AREA/ SECT CODE	TASK ROLES CODE	MANUFACTURER
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GS205 LECTRA CLEAN (AEROSOL) NO. 2018

.8 999.9

00 PLANT-WIDE/FIELD, MAINTENANCE

D CRC CHEMICALS

SAL 000004465

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TERTIARY BUTYL ALCOHOL

AREA/ SECT CODE		TASK ROLES CODE	MANUFACTURER
GS330	TRICHLOROETHANE 111 600		.0 999.9
00	PLANT-WIDE/FIELD UNIT	D	THOMPSON-HAYWARD CHEMICAL CO.

SAL 000004466

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
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CI054 HEAVY AROMATIC DISTILLATE

10.0 15.0

10	NO PROCESS CODE	C	DU PONT
10	RECEIPT/STORAGE/MOVEMENTS UNIT	C	DU PONT
70	CRUDE PROCESSING UNIT	C	DU PONT
80	DOCK OPERATIONS UNIT	C	DU PONT

SAL 000004467

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
CP020	LEADED REGULAR GASOLINE			15.0	15.0
10	NO PROCESS CODE	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP021	SUPER UNLEADED GASOLINE			15.0	15.0
10	NO PROCESS CODE	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP022	UNLEADED GASOLINE			15.0	15.0
10	NO PROCESS CODE	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP023	LIGHT STRAIGHT RUN GASOLINE			<=	.0 15.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
30	CRUDE PROCESSING UNIT	A	CONOCO INC.		
40	NO PROCESS CODE	A	CONOCO INC.		
70	CRUDE PROCESSING UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP029	NAPHTHA			<=	.0 15.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	AC	CONOCO INC.		
80	DOCK OPERATIONS UNIT	AC	CONOCO INC.		
GS001	3M SUPER WEATHERSTRIP ADHESIVE PN. 8001 - 8003 - 8004			>	6.0 999.9
00	PLANT-WIDE/FIELD, MAINT-ROUTIN	D	3M		

SAL 000004468

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS115	NR. 573 CARBON AND VARNISH REMOVER		1.0 5.0
60	PLANT-WIDE/FIELD, MAINTENANCE	D	A. W. CHESTERTON CO.

SAL 000004469

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE		TASK ROLES CODE	MANUFACTURER
GS214	MARSH SPRAY STENCIL INK YELLOW, GREEN & ORANGE		.0 999.9
00	PLANT-WIDE/FIELD UNIT	D	MARSH STENCIL MACHINE CO.
GS215	MARSH SPRAY STENCIL INK BLACK, RED, WHITE, BLUE & SILVER		.0 999.9
00	PLANT-WIDE/FIELD UNIT	D	MARSH STENCIL MACHINE CO.

SAL 000004470

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS216	1-854		< .0 1.0
00	PLANT-WIDE/FIELD, MAINTENANCE	D	MATCOTE CO. INC.

SAL 000004471

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS267	OCE*REVERSAL TONER 2610000 OR 2610001				12.0	12.0
00	PLANT-WIDE/FIELD, SRVCS-ENGR,I	D	OCE*-INDUSTRIES INC.			
GS316	MOTOR FUEL ANTIKNOCK COMPOUND				1.0	13.0
10	NO PROCESS CODE	C	ETHYL CORP.			
10	REC/STOR/MOVE, BLENDING-PRODUC	C	ETHYL CORP.			

SAL 000004472

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GS322	TOLUENE			>	99.0 999.9
14	PLANT LABORATORY-QC	D		VAN WATERS & ROGERS INC.	
14	PLANT LABORATORY-QC	F		VAN WATERS & ROGERS INC.	

SAL 000004473

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
GS381	TOLUENE STANDARDIZATION FUEL 1010			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
	TOLUENE STANDARDIZATION FUEL 1025			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
	TOLUENE STANDARDIZATION FUEL 1033			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
	TOLUENE STANDARDIZATION FUEL 1042			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
	TOLUENE STANDARDIZATION FUEL 1061			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
	TOLUENE STANDARDIZATION FUEL 1080			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
	TOLUENE STANDARDIZATION FUEL 1099			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
	TOLUENE STANDARDIZATION FUEL 1118			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
	TOLUENE STANDARDIZATION FUEL 948			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
	TOLUENE STANDARDIZATION FUEL 960			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		

SAL 000004474

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
TOLUENE STANDARDIZATION FUEL 967				74.0	74.0
14	PLANT LABORATORY-QC		F	PHILLIPS CHEMICAL CO.	
TOLUENE STANDARDIZATION FUEL 972				74.0	74.0
14	PLANT LABORATORY-QC		F	PHILLIPS CHEMICAL CO.	
TOLUENE STANDARDIZATION FUEL 983				74.0	74.0
14	PLANT LABORATORY-QC		F	PHILLIPS CHEMICAL CO.	
TOLUENE STANDARDIZATION FUEL 996				74.0	74.0
14	PLANT LABORATORY-QC		F	PHILLIPS CHEMICAL CO.	

SAL 000004475

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GS397	TOLUOL			>	99.0 999.9
20	SULFURIC ACID MFG, CONTACT	F	FISHER SCIENTIFIC		

SAL 000004476

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
GS427	ZINC RE-HU (AEROSOL) 3074			4.0	4.0
00	PLANT-WIDE/FIELD, MAINTENANCE	D	CRC CHEMICALS		
GS435	ISOOCTANE (RESEARCH, PURE AND SPECTRO GRADES)			.0	999.9
14	PLANT LABORATORY-QC	F	PHILLIPS CHEMICAL CO.		
GS485	TOLUENE AND REFERENCE FUEL, TOLUENE			> 99.9	999.9
14	PLANT LABORATORY-QC	F	PHILLIPS 66 CO.		
GS486	TOLUENE STANDARDIZATION FUEL 934			74.0	74.0
14	PLANT LABORATORY-QC	F	PHILLIPS 66 CO.		
GS489	421 CLEAR PROTECTIVE COATING (AEROSOL)			25.0	30.0
90	PLANT-WIDE/FIELD, MAINT-ROUTIN	D	A. W. CHESTERTON CO.		
GS510	MT50 BLEND			> 9.0	999.9
00	PLANT-WIDE/FIELD UNIT	D	SOUTHWEST SOLV & CHEM		
GS534	DU PONT 25P			.0	999.9
00	PLANT-WIDE/FIELD UNIT	D	DUPONT		
GS537	03108 BLACK INK S-108			10.0	10.0
00	PLANT-WIDE/FIELD UNIT	D	SPRAYON PRODUCTS		
GS538	03105 WHITE INK 8-105			10.0	10.0
00	PLANT-WIDE/FIELD UNIT	D	SPRAYON PRODUCTS		

SAL 000004477

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER			
PC001	CARBOMASTIC 14			<	.0	5.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	CARBOLINE CO.		
90	NO PROCESS CODE		D	CARBOLINE CO.		
PC002	WHITE URETHANE ENAMEL 326Y				2.0	2.0
00	PLANT-WIDE/FIELD UNIT		D	DU PONT		
10	PLANT-WIDE/FIELD UNIT		D	DU PONT		
PC004	T 3871				1.0	1.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	DU PONT		
90	NO PROCESS CODE		D	DU PONT		
PC005	ACTIVATOR/CLEAR VGY 511				6.0	6.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	DU PONT		
PC007	EPA857/EPA858 (1-857 A & B)			<	.0	20.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50	D	INTERNATIONAL PAINT		

SAL 000004478

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LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
PC011	GTA406 (4-076)			<	.0 45.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50	D	INTERNATIONAL PAINT	

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LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
PC012	GTA409 (4-079)				10.0	10.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50	D	INTERNATIONAL PAINT		
PC013	INTERGARD CURING AGENT (EC5725)				40.0	45.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	INTERNATIONAL PAINT		

SAL 000004480

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
PC014	KRYLON INT./EXT. ENAMEL OR ENGINE COLOR				2.0	3.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	BORDEN		
PC015	KRYLON SPRAY PRIMER				23.0	27.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	BORDEN		
90	NO PROCESS CODE		D	BORDEN		

SAL 000004481

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LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE	TASK	ROLES	MANUFACTURER
PC019	PYROCOTE 787		> 1.0 999.9
70	PLANT-WIDE/FIELD, MAINTENANCE	CB50 D	CARBOLINE CO.
PC025	THA505/THA506 (1-8505 A & B)		< .0 2.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50 D	INTERNATIONAL PAINT
PC026	THA525/THA526 (1-8525 A & B)		< .0 2.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50 D	INTERNATIONAL PAINT
PC027	THA852/THA724 (1-852 A & B)		> 1.0 999.9
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50 D	INTERNATIONAL PAINT
PC028	THA855/THA724 (1-850 A & B)		> 12.0 999.9
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50 D	INTERNATIONAL PAINT
PC029	TPA830/FHA725 (1-830 A & B)		> 6.0 999.9
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50 D	INTERNATIONAL PAINT

SAL 000004482

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LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
PC830	PLASITE 7155 LIGHT GRAY			<	.0 30.0
00	PLANT-WIDE/FIELD UNIT	CB50	D	WISCONSIN PROTECTIVE COATINGS	
PC031	AEROSOLS, PAINT - LEAD FREE				.0 999.9
00	PLANT-WIDE/FIELD UNIT		D	RAABE PAINT CO. INC.	

SAL 000004483

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

TOLUENE METHYLBENZENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
PC032	PLASITE 9060 LIGHT BLUE			2.0	5.0
20	THERMAL CRACKING UNIT	D	WISCONSIN PROTECTIVE COATINGS		

SAL 000004484

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

VAMADIUM

AREA/ SECT CODE		TASK	ROLES	MANUFACTURER		
GS542	CARBON AND ALLOY STEELS			<	.0	1.0
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEystone CORP.			
GS544	CHROME PLATED CARBON STEEL			<	.0	1.0
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEystone CORP.			
GS545	ALUMINUM ALLOY			<	.0	1.0
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEystone CORP.			

SAL 000004485

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

VINYL CHLORIDE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS344	VINYL CHLORIDE MONOMER			> 99.0 999.9
80	DOCK OPERATIONS UNIT	I	VISTA CHEMICAL CO.	
80	NO PROCESS CODE	I	VISTA CHEMICAL CO.	

SAL 000004486

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS004	ACRILAST 570				15.0	15.0
70	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	CARBOLINE CO.		
GS020	ALPHACHEM 2061 DEGREASER				.0	999.9
00	PLANT-WIDE/FIELD UNIT		D	ALPHA CHEMICAL CO.		
GS021	ALPHACHEM 2063 DEGREASER				.0	999.9
60	NO PROCESS CODE		D	ALPHA CHEMICAL CO.		
70	NO PROCESS CODE		D	ALPHA CHEMICAL CO.		

SAL 000004487

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GS047	PROCHEM 2W2				.0 999.9
40	WASTE TREAT, AQUEOUS	D		BETZ PROCESS CHEMICALS INC.	
GS063	PETROMHEEN EB911				.0 999.9
40	WASTE TREAT, AQUEOUS	D		BETZ PROCESS CHEMICALS INC.	
GS069	PETROMHEEN AF111				.0 999.9
60	HYDROGEN TREATING UNIT	D		BETZ PROCESS CHEMICALS INC.	

SAL 000004488

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GS133	CORTEC 347			1.0	5.0
50	COKING UNIT	D	SEALED AIR CORP.		

SAL 000004489

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
GS141	DUPONT CORROSION INHIBITOR NO. 4A			25.0	25.0
10	NO PROCESS CODE	C	DU PONT		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	C	DU PONT		
GS142	DCI-6			21.0	21.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	C	DU PONT		
GS149	DIESEL GUARD			.0	999.9
00	PLANT-WIDE/FIELD, MAINTENANCE	DXXX	D	NATIONAL CHEMSEARCH	
GS162	FOA-11			1.0	1.0
10	REC/STOR/MOVE, BLENDING-PRODUC	C	DU PONT		
GS169	"ETHYL" HMT DILUTE			.0	999.9
10	REC/STOR/MOVE, BLENDING-PRODUC	C	ETHYL CORP.		
GS178	GASGUARD			.0	999.9
00	PLANT-WIDE/FIELD, MAINTENANCE	DXXX	D	NATIONAL CHEMSEARCH DIV. OF NCH CORP.	

SAL 000004490

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS216	1-854			> 8.0 999.9
00	PLANT-WIDE/FIELD, MAINTENANCE		D	HATCOTE CO. INC.

SAL 000004491

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS254	VI-SEP 449 EMULSION BREAKER		5.0 10.0
70	CRUDE PROCESSING UNIT	D	NALCO CHEMICAL CO.
GS270	C. I. SOLVENT RED 164		30.0 30.0
10	NO PROCESS CODE	C	DU PONT
10	REC/STOR/MOVE, BLENDING-PRODUC	C	DU PONT
99	REC/STOR/MOVE, WAREHOUSE	C	DU PONT
GS316	MOTOR FUEL ANTIKNOCK COMPOUND		49.0 50.0
10	NO PROCESS CODE	C	ETHYL CORP.
10	REC/STOR/MOVE, BLENDING-PRODUC	C	ETHYL CORP.
GS427	ZINC RE-MU (AEROSOL) 3074		> 7.0 999.9
00	PLANT-WIDE/FIELD, MAINTENANCE	D	CRC CHEMICALS

SAL 000004492

MAR 26, 1990

LAKE CHARLES REFINERY
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FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS432	P-10 BLACK MARKER INK		62.0 62.0
14	PLANT LABORATORY-QC	D	PACIFIC POLY CRAFTS

SAL 000004493

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LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE	TASK	ROLES	MANUFACTURER		
GS438	DUPONT METAL DEACTIVATOR			20.0	20.0
70	H2 TREAT, DESULF/DENITRIF	D	DU PONT		
99	REC/STOR/MOVE, WAREHOUSE	D	DU PONT		
GS514	BLACK MASTIC			10.0	10.0
20	SULFURIC ACID MFG, CONTACT	D	PECORA CORP.		
GS529	DUPONT CORROSION INHIBITOR NO. 6A			20.0	30.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	DC	DU PONT		
GS538	03105 WHITE INK 8-105			<	.0 5.0
00	PLANT-WIDE/FIELD UNIT	D	SPRAYON PRODUCTS		

SAL 000004494

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
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XYLENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
PC001	CARBOMASTIC 14				10.0	10.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	CARBOLINE CO.		
90	NO PROCESS CODE		D	CARBOLINE CO.		
PC004	T 3871				84.0	84.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	DU PONT		
90	NO PROCESS CODE		D	DU PONT		
PC005	ACTIVATOR/CLEAR VGY 511				5.0	5.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	DU PONT		
PC007	EPA857/EPA858 (1-857 A & B)				<	.0 5.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50	D	INTERNATIONAL PAINT		
PC012	GTA409 (4-079)				30.0	30.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50	D	INTERNATIONAL PAINT		

SAL 000004495

MAR 26, 1990

LAKE CHARLES REFINERY
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XYLENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
PC014	KRYLON INT./EXT. ENAMEL OR ENGINE COLOR			6.0	14.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CBS0	D	BORDEN	

SAL 000004496

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
PC019	PYROCOTE 787		> 1.0 999.9
70	PLANT-WIDE/FIELD, MAINTENANCE	CB50 D	CARBOLINE CO.

SAL 000004497

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LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
PC022		RED URETHANE SEAL COAT (AEROSOL) NO. 2044		> 13.0 999.9
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	CRC CHEMICALS
90	NO PROCESS CODE		D	CRC CHEMICALS

SAL 000004498

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
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XYLENE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER			
PC027	THA852/THA724 (1-852 A & B)				<	.0	1.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50	D	INTERNATIONAL PAINT			
PC028	THA855/THA724 (1-850 A & B)				<	.0	1.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50	D	INTERNATIONAL PAINT			
PC029	TPA830/FNA725 (1-830 A & B)				>	12.0	999.9
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50	D	INTERNATIONAL PAINT			

SAL 000004499

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
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PC030 PLASITE 7155 LIGHT GRAY < .0 30.0

00 PLANT-WIDE/FIELD UNIT CB50 D WISCONSIN PROTECTIVE COATINGS

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XYLENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
PC031			
AEROSOLS, PAINT - LEAD FREE			.0 999.9
00	PLANT-WIDE/FIELD UNIT	D	RAABE PAINT CO. INC.

SAL 000004501

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LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENES

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
CP020	LEADED REGULAR GASOLINE			12.0	12.0
10	NO PROCESS CODE	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP021	SUPER UNLEADED GASOLINE			12.0	12.0
10	NO PROCESS CODE	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP022	UNLEADED GASOLINE			12.0	12.0
10	NO PROCESS CODE	A	CONOCO INC.		
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP023	LIGHT STRAIGHT RUN GASOLINE			<=	.0 12.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
30	CRUDE PROCESSING UNIT	A	CONOCO INC.		
40	NO PROCESS CODE	A	CONOCO INC.		
70	CRUDE PROCESSING UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP029	NAPHTHA			<=	.0 12.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	AC	CONOCO INC.		
80	DOCK OPERATIONS UNIT	AC	CONOCO INC.		
GS269	OIL BRONZE LIQUID			40.0	40.0
10	NO PROCESS CODE	C	DU PONT		
10	REC/STOR/MOVE, BLENDING-PRODUC	C	DU PONT		
99	REC/STOR/MOVE, WAREHOUSE	C	DU PONT		

SAL 000004502

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

XYLENES

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS447	DMD-2		40.0 50.0
70	H2 TREAT, DESULF/DENITRIF	D	DU PONT

SAL 000004503

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ZINC

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS545	ALUMINUM ALLOY			<	.0	7.0
00	PLANT-WIDE/FIELD UNIT	D		HARNON/KEystone CORP.		

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LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ZINC

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS577	ZINC, 1000 PPM (0.100% W/V)			< .0 1.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.	

SAL 000004505

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ZINC COATING

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS542	CARBON AND ALLOY STEELS			.0 999.9
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.	

SAL 000004506

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ZINC DUST

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS427	ZINC RE-NU (AEROSOL)	3074	> 27.0 999.9
00	PLANT-WIDE/FIELD, MAINTENANCE	D	CRC CHEMICALS

SAL 000004507

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

1,1,1-TRICHLOROETHANE

AREA/ SECT CODE		TASK ROLES CODE	MANUFACTURER
GS019	ALPHACHEM 2056 SOLVENT EMULSION		.0 999.9
70	CRUDE PROCESSING UNIT	D	ALPHA CHEMICAL CO.

SAL 000004508

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LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

1,1,1-TRICHLOROETHANE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS095	00	999.9	
90	MAINTENANCE SHOP UNIT	D	NATIONAL CHEMSEARCH DIV. OF NCH CORP.
GS109	00	999.9	
00	PLANT-WIDE/FIELD, MAINTENANCE	XXXX D	NATIONAL CHEMSEARCH DIV. OF NCH CORP.
GS119	20	96.5 96.5	
00	CHLOROTHENE SM SOLVENT	D	DOW CHEMICAL USA
GS137	00	72.0 72.0	
00	CABLE CLEANER 2069	D	CRC CHEMICALS
GS138	00	92.0 92.0	
00	CABLE CLEANER 2087	D	CRC CHEMICALS
GS140	00	51.0 51.0	
00	ELECTRICAL QUALITY SILICONE	D	CRC CHEMICALS
GS172	00	999.9	
00	EZE-WAY AEROSOL	D	NATIONAL CHEMSEARCH DIV. OF NCH CORP.
GS205	00	89.7 89.7	
00	LECTRA CLEAN (AEROSOL) NO. 2018	D	CRC CHEMICALS
GS286	00	42.0 42.0	
00	PJ1 HEAVY DUTY CHAIN LUBE	D	PJ1 CORP.

SAL 000004509

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

1,1,1-TRICHLOROETHANE

AREA/ SECT CODE		TASK ROLES CODE	MANUFACTURER	
GS310	STATE GRS		<	.0 10.0
00	PLANT-WIDE/FIELD, MAINTENANCE	DXOX D	STATE CHEMICAL MFG. CO.	

SAL 000004510

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

1,1,1-TRICHLOROETHANE

AREA/ SECT CODE	TASK ROLES CODE	MANUFACTURER
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GS330 TRICHLOROETHANE 111 600

> 95.0 999.9

00 PLANT-WIDE/FIELD UNIT

D THOMPSON-HAYWARD CHEMICAL CO.

SAL 000004511

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

1,1,1-TRICHLOROETHANE

AREA/ SECT CODE		TASK ROLES CODE	MANUFACTURER
GS332	TRI-ETHANE 348		100.0 100.0
40	CAT REFORM, W/O HYDROGENATION	D	PPG INDUSTRIES INC.

SAL 000004512

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

1,1,1-TRICHLOROETHANE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS392	AZTRON EMC 4				.0	999.9
90	PLANT-WIDE/FIELD UNIT	CC10	D	AZTRON CHEMICAL SERVICES INC.		
GS516	RUST BLOCK AEROSOL				.0	999.9
90	PLANT-WIDE/FIELD, MAINTENANCE		D	NATIONAL CHEMSEARCH		
GS517	SS-80 HV AEROSOL				.0	999.9
90	PLANT-WIDE/FIELD, MAINTENANCE		D	NATIONAL CHEMSEARCH		
GS591	SS-80 AEROSOL				.0	999.9
90	PLANT-WIDE/FIELD, MAINTENANCE		D	NATIONAL CHEMSEARCH		
PC022	RED URETHANE SEAL COAT (AEROSOL) NO. 2044				17.0	17.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D	CRC CHEMICALS		
90	NO PROCESS CODE		D	CRC CHEMICALS		

SAL 000004513

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

1,1,1, TRICHLOROETHANE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS515	B-LUBE AEROSOL			.0 999.9
90	PLANT-WIDE/FIELD, MAINTENANCE	D	NATIONAL CHEMSEARCH	1055

SAL 000004514

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

2,4- & 2,5-DIMETHYLPHENOL

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS447	DND-2		< .0 1.0
70	H2 TREAT, DESULF/DENITRIF	D	DU PONT

SAL 000004515

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

AMMONIA

AREA/ SECT CODE		TASK ROLES CODE	MANUFACTURER	
GS031	AMMONIUM HYDROXIDE		28.0	30.0
30	CRUDE PROCESSING UNIT	CD	VAN WATERS & ROGERS INC.	
70	CRUDE PROCESSING UNIT	CD	VAN WATERS & ROGERS INC.	

SAL 000004516

MAR 26, 1998

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

AMMONIA

AREA/ SECT CODE		TASK ROLES CODE	MANUFACTURER
GS031	AQUA AMMONIA		28.0 30.0
30	CRUDE PROCESSING UNIT	D	MCKESSON CHEMICAL CO.
70	CRUDE PROCESSING UNIT	D	MCKESSON CHEMICAL CO.

SAL 000004517

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ALUMINUM COATING

AREA/ SECT CODE	TASK ROLES CODE	MANUFACTURER
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GS542	CARBON AND ALLOY STEELS	.0 999.9
00	PLANT-WIDE/FIELD UNIT	D HARMON/KEYSTONE CORP.

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ALUMINUM FLAKE

AREA/ SECT CODE	TASK ROLES CODE	MANUFACTURER
GS145	ANTI-SIEZE 220	> 3.0 999.9
00	PLANT-WIDE/FIELD UNIT	0 HI-PORT INDUSTRIES INC.

SAL 000004519

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ACETONE

AREA/ SECT CODE		TASK CODE	ROLES		MANUFACTURER
PC014	KRYLON INT./EXT. ENAMEL OR ENGINE COLOR				36.0 37.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CBS0	D	BORDEN	
PC015	KRYLON SPRAY PRIMER				33.0 33.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CBS0	D	BORDEN	
90	NO PROCESS CODE		D	BORDEN	

SAL 000004520

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ALUMINUM

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
GS116	725 NICKEL ANTI-SEIZE COMPOUND (BULK AND PRESSURIZED CAN)			5.0	10.0
00	PLANT-WIDE/FIELD UNIT	D	A. W. CHESTERTON CO.		
GS491	825 ALUMINUM PUTTY PLUS PART A			45.0	55.0
90	PLANT-WIDE/FIELD, MAINT-ROUTIN	D	A. W. CHESTERTON CO.		
GS534	DUPONT 25P			.0	999.9
00	PLANT-WIDE/FIELD UNIT	D	DUPONT		
GS542	CARBON AND ALLOY STEELS			<	.0 1.0
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.		
GS543	STAINLESS STEELS			<	.0 1.0
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.		
GS544	CHROME PLATED CARBON STEEL			<	.0 2.0
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.		
GS545	ALUMINUM ALLOY			>	90.0 999.9
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.		
GS546	NICKEL BASED ALLOY STEEL			.0	999.9
00	PLANT-WIDE/FIELD UNIT	D	HARMON/KEYSTONE CORP.		
GS562	ALUMINUM, 1000 PPM (0.100% W/V)			<	.0 1.0
14	PLANT LABORATORY-QC	F	J. T. BAKER INC.		

SAL 000004521

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ACETONE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS003	ACETONE				>	99.0 999.9
14	PLANT LABORATORY-QC		F	DELTA DISTRIBUTORS INC.		
GS489	421 CLEAR PROTECTIVE COATING (AEROSOL)					15.0 20.0
90	PLANT-WIDE/FIELD, MAINT-ROUTIN		D	A. W. CHESTERTON CO.		
GS538	03105 WHITE INK 8-105					10.0 10.0
00	PLANT-WIDE/FIELD UNIT		D	SPRAYON PRODUCTS		

SAL 000004522

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

ACETONE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
PC012	GTA409 (4-079)			10.0	10.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	CB50	D	INTERNATIONAL PAINT	

SKINNER LIST

Enseco

TABLE 5. APPENDIX VIII HAZARDOUS CONSTITUENT SUBSET
FOR PETROLEUM INDUSTRY STUDIES*

Metals

Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt⁴
Lead
Mercury
Nickel
Selenium
Vanadium

Volatile Organics

Benzene
Carbon disulfide
Chlorobenzene
Chloroform
1,2-Dibromoethane
1,2-Dichloroethane
1,4-Dioxane
Methyl ethyl ketone
Styrene
Ethyl benzene⁴
Toluene
Xylenes¹

Base/Neutral Organics

Anthracene
Benz(a)anthracene
Benzo(b)fluoranthene

Base/Neutral Organics (Cont.)

Benzo(k)fluoranthene
Benzo(a)pyrene
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Chrysene
Dibenz(a,h)acridine²
Dibenz(a,h)anthracene
Di-n-butyl phthalate
Dichlorobenzenes¹
Diethyl phthalate
7,12-Dimethylbenz(a)anthracene
Dimethyl phthalate
Di-n-octyl phthalate
Fluoranthene
Indene⁴
Methyl chrysene^{2,4}
1-Methylnaphthalene⁴
Naphthalene
Phenanthrene,
Pyrene
Pyridine³
Quinoline⁴

Acid Organics

Benzenethiol³
Cresols¹
2,4-Dimethylphenol
2,4-Dinitrophenol
4-Nitrophenol
Phenol

*"Petitions to Delist Hazardous Wastes, A Guidance Manual," EPA/530-SW-85003, April, 1985.

- 1) Reported as ortho-, meta-, and para-isomers.
- 2) No analytical standard available.
- 3) Not consistently recoverable using standard analytical methods.
- 4) Not listed in Appendix VIII of 40 CFR 261.

TABLE 2
LAKE CHARLES
POTENTIALLY REPORTABLE TOXIC CHEMICALS
SARA 313

Acetone	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Aluminum (fume or dust)	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Ammonia	129,300 POUNDS AQUA AMMONIA(1) * .3 = 38,790 POUNDS USED. (REPORT)
Ammonium sulfate (solution)	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Aniline	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Anthracene	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Antimony	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Arsenic*	8,100 POUNDS SODA ASH(1),(3). (NO REPORT)
Asbestos* (friable)	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Barium	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Benzene*	2.6E+09 (UNLEADED MANUFACTURED) * 0.025 = 65527500 (REPORT)
Biphenyl	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Bis (2 ethylhexyl) adipate*	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
1,3-Butadiene*	244.3+06 POUNDS FCC TAIL GAS(1) * .002 WT FRACTION = 488,600 POUNDS MANUFACTURED AND PROCESSED. (REPORT)
Butyl alcohols (n-, sec-, tert-)	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Carbon disulfide	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Carbon tetrachloride*	LABORATORY USE EXEMPT. (NO REPORT)
Chlorine	98,200 POUNDS USED(1). (REPORT)
Chlorobenzene (Phenylchloride)	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Chloroform*	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Chloromethane (Methyl chloride)	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Chromium*	NO CHROMIUM TREATMENT OF COOLING WATER.(2) (NO REPORT)
Cobalt	360,900 POUNDS HDS CATALYST(1) * 440/769(FRACTION CATALYST Co/Mo) * .032 = 6,607 USED. (NO REPORT)
Copper	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Cresol (mixed isomers)	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Cumene (1-Methylethyl benzene)	2.6E+09 (UNLEADED MANUFACTURED) * 0.043 = 1.1E+08 (REPORT)
Cyclohexane	8900000 (REGULAR MANUFACTURED) * 0.052 = 462800 (REPORT)
Dibenzofuran	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
1,2-Dibromoethane* (Ethylene dibromide)	24,539,085 GRAMS LEAD ALKYL * .18 WT. FRACTION * 1/453.6 = 9,738 POUNDS. (NO REPORT)
1,2-Dichloroethane* (Ethylene dichloride)	24,539,085 GRAMS LEAD ALKYL * .18 WT. FRACTION * 1/453.6 = 9,738 POUNDS. (NO REPORT)
Dichloromethane* (Methylene chloride)	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Diethanolamine	NO LONGER USED(2). (NO REPORT)
2,4-Dimethylphenol	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
1,4-Dioxane	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)

SAL 00004525

TABLE 2 (cont.)

Ethyl benzene	2.6E+09 (UNLEADED MANUFACTURED) * 0.027 = 70769700 (REPORT)
Ethylene	244.3+06 POUNDS FCC TAIL GAS(1) * .16 WT FRACTION = 39,088,000 POUNDS MANUFACTURED AND PROCESSED. (REPORT)
Ethylene glycol	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Formaldehyde*	NOT USED IN 1989(1). (NO REPORT)
Freon 113	NOT USED IN 1989(1). (NO REPORT)
Hydrazine*	NOT USED IN 1989(1). (NO REPORT)
Hydrochloric acid	5,998,100(1) POUNDS USED * .37(3) = 2,219,297 POUNDS USED. (REPORT)
Hydrogen fluoride	NOT USED IN 1989(1). (NO REPORT)
Hydroquinone (Dihydroxybenzene)	NOT USED IN 1989(1). (NO REPORT)
Isopropyl alcohol* (Isopropanol)	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Lead*	24,539,085 GRAMS LEAD ALKYL * .6149 WT. FRACTION Pb COMPOUNDS * 1/453.6 = 33,265 POUNDS LEAD COMPOUNDS. (REPORT)
Manganese	23,652,990 GRAMS MMT * 1/453.6 = 52,145 POUNDS MANGANESE COMPOUNDS. (REPORT)
Mercury	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Methanol	132,800 POUNDS DUPONT AO 23 USED(1) * .5 = 66,400 POUNDS PROCESSED. (REPORT)
2 Methoxy ethanol	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Methyl ethyl ketone (MEK)	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Methyl tert-butyl ether (MTBE)	NOT BLENDED INTO GASOLINE IN 1989(1). (NO REPORT)
Molybdenum trioxide	360,900 POUNDS HDS CATALYST(1) * 440/769(FRACTION CATALYST Co/Mo) * .096 + 329/769(FRACTION CATALYST Ni/Mo) * .13 = 39,896 POUNDS (REPORT)
Naphthalene	8.4E+08 (JET50/KERO. MANUFACTURED) * 0.03 = 25095000 (REPORT)
Nickel*	360,900 POUNDS HDS CATALYST(1) * 329/769(FRACTION CATALYST Ni/Mo) * .03 = 4,632 POUNDS USED. (NO REPORT)
Nitric acid	NONE USED(1). (NO REPORT)
Phenol	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Phosphoric acid	240,000 POUNDS CAT POLY CATALYST USED(1) * .3 = 72,000 POUNDS USED. (REPORT)
Propylene (Propene)	244.3+06 POUNDS FCC TAIL GAS(1) * .12 WT FRACTION = 29,316,000 POUNDS MANUFACTURED AND PROCESSED. (REPORT)
Pyridine	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Quinoline	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Styrene* (Vinylbenzene)	57.6E+06(1) POUNDS SABINE HAD * .1 = 5,760,000 POUNDS STYRENE PROCESSED. (REPORT)
Sulfuric acid	139,500,000 POUNDS SULFURIC ACID PRODUCED/REGENERATED(1) * .98 = 136,710,000 POUNDS. (REPORT)
Toluene	2.6E+09 (UNLEADED MANUFACTURED) * 0.098 = 2.6E+08 (REPORT)
o-Toluidine*	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
1,1,1-Trichloroethane (Methyl chloroform)	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
1,2,4-Trimethylbenzene (Pseudo Cumene)	2.6E+09 (UNLEADED MANUFACTURED) * 0.02 = 52422000 (REPORT)
Vanadium (fume or dust)	BELOW DE MINIMUS IN PROCESS STREAMS(2). (NO REPORT)
Xylenes (mixed isomers)	2.6E+09 (UNLEADED MANUFACTURED) * 0.13 = 3.4E+08 (REPORT)
2,6-Xylidine	BELOW DE MINIMUS IN CRUDE AND GASOLINE ANALYSES. (NO REPORT)
Zinc (fume or dust)	NONE USED(1). (NO REPORT)

* = De Minimis Concentration = 0.1 Wt %. All Other Chemicals Have
De Minimis Concentrations of 1.0 Wt %.

- (1) - Bluebook
(2) - 1988 Documentation
(3) - MSDS Scan

SAL 000004526

List Development

Section 313 reporting is required for specific listed chemicals if the chemical is:

1. Manufactured or processed in excess of 25,000 pounds over the course of a year.
2. Otherwise used in excess of 10,000 pounds over the course of a year.

In addition, a listed chemical is not considered if it is present in a mixture below the following de minimis levels:

1. 1.0% on listed toxic chemicals.
2. 0.1% on listed carcinogenic chemicals.

The steps taken to obtain the list of reportable chemicals is as follows:

1. Review the list of approximately 300 chemicals and determine potential chemicals in a refinery.
2. Conduct a Material Safety Data Sheet (MSDS) scan and review analytical data to determine if any potential chemicals are above the de minimis level in any feedstocks, mixtures, or product streams.
3. Determine if chemical is manufactured, processed or otherwise used.
4. Determine the amount of feedstocks, mixtures, or product streams handled by the refinery. This is done by reviewing the bluebook and talking with plant personnel.
5. Multiply the amount of feedstock, mixture, or product stream handled by the weight percent of a specific listed chemical to obtain the total amount of chemical handled.

The list of potentially reportable chemicals is found in table 1. This list was developed by reviewing the 1988 documentation and the "Skinner" list, which appeared in "Petitions to Delist Hazardous Waste, A Guidance Manual" (EPA/530-SW-85-003). Table 2 is the threshold calculations for the refinery.

Notes:

- 1) MSDS scan attached in Appendix A.
- 2) Process stream compositional data found in Appendix E.
- 3) Operating Expense and Yield Data (Bluebook) found in Appendix C.

TABLE 1
POTENTIALLY REPORTABLE TOXIC CHEMICALS

Acetone	Ethylene glycol
Aluminum (fume or dust)	Formaldehyde*
Aluminum oxide	Freon 113
Ammonia	Hydrazine*
Ammonium sulfate (solution)	Hydrochloric acid
Aniline	Hydrogen flouride
Anthracene	Hydroquinone (Dihydroxybenzene)
Antimony	Isopropyl alcohol* (Isopropanol)
Arsenic*	Lead*
Asbestos* (friable)	Manganese
Barium	Mercury
Benzene*	Methanol
Biphenyl	2 Methoxy ethanol
Bis (2 ethylhexyl) adipate*	Methyl ethyl ketone (MEK)
1,3-Butadiene*	Methyl tert-butyl ether (MTBE)
Butyl alcohols (n- , sec- , tert-)	Molybdenum trioxide
Carbon disulfide	Naphthalene
Carbon tetrachloride*	Nickel*
Chlorine	Nitric acid
Chlorobenzene (Phenylchloride)	Phenol
Chloroform*	Phosphoric acid
Chloromethane (Methyl chloride)	Propylene (Propane)
Chromium*	Pyridine
Cobalt	Quinoline
Copper	Styrene* (Vinylbenzene)
Cresol (mixed isomers)	Sulfuric acid
Cumene (1-Methylethyl benzene)	Toluene
Cyclohexane	o-Toluidine*
Dibenzofuran	1,1,1-Trichloroethane (Methyl chloroform)
1,2-Dibromoethane* (Ethylene dibromide)	1,2,4-Trimethylbenzene (Psuedo cumene)
1,2-Dichloroethane* (Ethylene dichloride)	Vanadium (fume or dust)
Dichloromethane* (Methylene chloride)	Xylenes (mixed isomers)
Diethanolamine	2,6-Xylidine
2,4-Dimethylphenol	Zinc (fume or dust)
1,4-Dioxane	
Ethyl benzene	
Ethylene	

Notes:

* = De minimis concentration = 0.1 weight %. All other chemicals have de minimus concentration of 1.0 weight %.

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NICKEL

AREA/ SECT CODE	TASK ROLES CODE	MANUFACTURER
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CA010 HYDROGEN TREATING CATALYSTS .0 999.9

20 SULFUR RECOVERY, CLAUS 0 AMERICAN CYANAMID CO.

SAL 000004529

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NICKEL

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
CA045			.0 999.9
40	H2 TREAT, SATUR-AROMATIC	C	CALSICAT

SAL 000004530

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NAPHTHALENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
CP009	NO. 1 DIESEL FUEL			3.0	3.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
30	CRUDE PROCESSING UNIT	A	CONOCO INC.		
50	COKING UNIT	A	CONOCO INC.		
60	COKE, DELAYED-FUEL GRADE W/ H2	A	CONOCO INC.		
70	CRUDE PROCESSING UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP010	NO. 2 DIESEL FUEL			3.0	3.0
10	MAINTENANCE SHOP UNIT	A	CONOCO INC.		
10	NO PROCESS CODE	A	CONOCO INC.		
30	CRUDE PROCESSING UNIT	A	CONOCO INC.		
50	COKING UNIT	A	CONOCO INC.		
60	COKE, DELAYED-FUEL GRADE W/ H2	A	CONOCO INC.		
70	CRUDE PROCESSING UNIT	A	CONOCO INC.		
80	DOCK OPERATIONS UNIT	A	CONOCO INC.		
CP024	JET A			<=	.0 3.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
30	CRUDE PROCESSING UNIT	A	CONOCO INC.		
40	HYDROGEN TREATING UNIT	A	CONOCO INC.		
JET A-FSII				<=	.0 3.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.		
30	CRUDE PROCESSING UNIT	A	CONOCO INC.		
40	HYDROGEN TREATING UNIT	A	CONOCO INC.		
GS163	LIGHT FUEL OIL			7.0	33.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	C	DU PONT		
GS359	NALCO 5701 PROCESS ANTIFOAM			1.0	10.0
70	CRUDE PROCESSING UNIT	D	NALCO CHEMICAL CO.		

SAL 000004531

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NAPHTHALENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER		
GS362	NALCO 5186 CORROSION INHIBITOR			1.0	10.0
70	CRUDE PROCESSING UNIT	D	NALCO CHEMICAL CO.		
GS429	NALCO 87RC130			1.0	10.0
60	COKE, DELAYED-FUEL GRADE W/ H2	C	NALCO CHEMICAL CO.		
GS611	NALCO 5209 ANTIFOULANT			1.0	10.0
10	RECEIPT/STORAGE/MOVEMENTS UNIT	BB11 D	NALCO CHEMICAL CO.		

SAL 000004532

MAR 26, 1998

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

N-BUTYL ALCOHOL

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
GS323			TRETOLITE DS-505 .0 999.9
20		D	SULFURIC ACID ALKYLATION UNIT PETROLITE CORP.
GS389			PROCHEM 2W33 .0 999.9
10		C	RECEIPT/STORAGE/MOVEMENTS UNIT BETZ PROCESS CHEMICALS INC.
GS534			DU PONT 25P .0 999.9
00		D	PLANT-WIDE/FIELD UNIT DUPONT

SAL 000004533

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

NAPHTHALENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
CI006	STRAIGHT RUN MIDDLE DISTILLATE		.0 999.9
10	NO PROCESS CODE	AC	CONOCO INC.
10	RECEIPT/STORAGE/MOVEMENTS UNIT	AC	CONOCO INC.
30	CRUDE PROCESSING UNIT	AC	CONOCO INC.
30	NO PROCESS CODE	AC	CONOCO INC.
40	CAT REFORM, W/O HYDROGENATION	AC	CONOCO INC.
70	CRUDE PROCESSING UNIT	AC	CONOCO INC.
70	NO PROCESS CODE	AC	CONOCO INC.
70	NO PROCESS CODE	AC	CONOCO INC.
CI016	CRACKED DISTILLATE		< .0 3.0
10	NO PROCESS CODE	C	CONOCO INC.
10	RECEIPT/STORAGE/MOVEMENTS UNIT	C	CONOCO INC.
20	THERMAL CRACKING UNIT	C	CONOCO INC.
30	CAT CRACK, FLUID-BED W/O H2S R	C	CONOCO INC.
CI027	HYDROTREATED MIDDLE DISTILLATE		.0 999.9
60	HYDROGEN TREATING UNIT	C	CONOCO INC.
70	H2 TREAT, DESULF/DENITRIF	C	CONOCO INC.
CI043	RICH OIL		.0 999.9
60	CRUDE PROCESS, VIRGIN LT ENDS	C	CONOCO INC.
	RICH SPONGE OIL		.0 999.9
60	CRUDE PROCESS, VIRGIN LT ENDS	C	CONOCO INC.
CI054	HEAVY AROMATIC DISTILLATE		4.0 6.0
10	NO PROCESS CODE	C	DU PONT
10	RECEIPT/STORAGE/MOVEMENTS UNIT	C	DU PONT
70	CRUDE PROCESSING UNIT	C	DU PONT
80	DOCK OPERATIONS UNIT	C	DU PONT

SAL 000004534

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

MOLYBDENUM TRIOXIDE

AREA/ SECT CODE	TASK ROLES - CODE	MANUFACTURER
CA047	N-239	10.0 15.0
20	SULFUR RECOVERY, CLAUS	C UNITED CATALYSTS INC.

SAL 000004535

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

MTBE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
CP020	LEADED REGULAR GASOLINE			<	.0	15.0
10	NO PROCESS CODE	A	CONOCO INC.			
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.			
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.			
80	DOCK OPERATIONS UNIT	A	CONOCO INC.			
CP021	SUPER UNLEADED GASOLINE			<	.0	15.0
10	NO PROCESS CODE	A	CONOCO INC.			
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.			
80	DOCK OPERATIONS UNIT	A	CONOCO INC.			
CP022	UNLEADED GASOLINE			<	.0	15.0
10	NO PROCESS CODE	A	CONOCO INC.			
10	RECEIPT/STORAGE/MOVEMENTS UNIT	A	CONOCO INC.			
80	DOCK OPERATIONS UNIT	A	CONOCO INC.			

SAL 000004536

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

MOLYBDENUM TRIOXIDE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
CA012	KATALCO 477			12.0 16.0
40	CAT REFORM, W/O HYDROGENATION	C	ICI KATALCO	
40	HYDROGEN TREATING UNIT	C	ICI KATALCO	

SAL 000004537

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

MOLYBDENUM TRIOXIDE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
CA030	C29-2-02		10.0 15.0
20	SULFUR RECOVERY, CLAUS	C	UNITED CATALYSTS INC.

SAL 000004538

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

METHYLENE CHLORIDE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GS427	ZINC RE-MU (AEROSOL) 3074			32.0	32.0
00	PLANT-WIDE/FIELD, MAINTENANCE	D	CRC CHEMICALS		
PC022	RED URETHANE SEAL COAT (AEROSOL) NO. 2044			19.0	19.0
00	PLANT-WIDE/FIELD, MAINTENANCE	CB50	D CRC CHEMICALS		
90	NO PROCESS CODE	D	CRC CHEMICALS		

SAL 000004539

MAR 26, 1998

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

MIXED CRESOLS & XYLENOLS

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER	
GS438	DUPONT METAL DEACTIVATOR			5.0	5.0
70	H2 TREAT, DESULF/DENITRIF	D	DU PONT		
99	REC/STOR/MOVE, WAREHOUSE	D	DU PONT		
GS447	DMD-2			< .0	5.0
70	H2 TREAT, DESULF/DENITRIF	D	DU PONT		

SAL 000004540

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

METHYLENE CHLORIDE

AREA/ SECT CODE		TASK	ROLES	MANUFACTURER
GS214		MARSH SPRAY STENCIL INK YELLOW, GREEN & ORANGE		.0 999.9
00	PLANT-WIDE/FIELD UNIT	D	MARSH STENCIL MACHINE CO.	
GS215		MARSH SPRAY STENCIL INK BLACK, RED, WHITE, BLUE & SILVER		.0 999.9
00	PLANT-WIDE/FIELD UNIT	D	MARSH STENCIL MACHINE CO.	

SAL 000004541

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

METHYLENE CHLORIDE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS273	GASKET REMOVER (AEROSOL)			75.0 75.0
00	PLANT-WIDE/FIELD, MAINTENANCE	D	PERMATEX INDUSTRIAL	

SAL 000004542

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

METHYLENE CHLORIDE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
GS007	OPEN GEAR, AEROSOL				20.0	20.0
00	PLANT-WIDE/FIELD, MAINTENANCE	D		ALLSTATES CHEMICAL CORP.		
GS099	CAP BATTERY CLEANER AND PROTECTOR				< .0	25.0
00	PLANT-WIDE/FIELD, MAINTENANCE	DXXX	D	STATE CHEMICAL MFG. CO.		
GS115	NR. 573 CARBON AND VARNISH REMOVER				65.0	70.0
60	PLANT-WIDE/FIELD, MAINTENANCE	D		A. W. CHESTERTON CO.		

SAL 000004543

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

METHYLENE CHLORIDE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER
GS117	NR. 740 HEAVY DUTY RUST GUARD (AEROSOL)			5.0 10.0
00	PLANT-WIDE/FIELD, MAINTENANCE	D	A. W. CHESTERTON CO.	

SAL 000004544

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

METHYL NAPHTHALENE

AREA/ SECT CODE	TASK CODE	ROLES	MANUFACTURER
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CI054 HEAVY AROMATIC DISTILLATE

1.0 2.0

10	NO PROCESS CODE	C	DU PONT
10	RECEIPT/STORAGE/MOVEMENTS UNIT	C	DU PONT
70	CRUDE PROCESSING UNIT	C	DU PONT
80	DOCK OPERATIONS UNIT	C	DU PONT

SAL 000004545

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

METHYL TERTIARY BUTYL ETHER

AREA/ SECT CODE		TASK ROLES CODE	MANUFACTURER
GS366	METHYL TERTIARY BUTYL ETHER		> 60.0 999.9
10	NO PROCESS CODE	C	VALERO REFINING & MARKETING CO.
10	RECEIPT/STORAGE/MOVEMENTS UNIT	C	VALERO REFINING & MARKETING CO.
80	DOCK OPERATIONS UNIT	C	VALERO REFINING & MARKETING CO.

SAL 000004546

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

METHYL ETHYL KETONE

AREA/ SECT CODE		TASK CODE	ROLES	MANUFACTURER		
PC030	PLASITE 7155 LIGHT GRAY			<	.0	30.0
00	PLANT-WIDE/FIELD UNIT	CBS0	D	WISCONSIN PROTECTIVE COATINGS		
PC031	AEROSOLS, PAINT - LEAD FREE				.0	999.9
00	PLANT-WIDE/FIELD UNIT		D	RAABE PAINT CO. INC.		

SAL 000004547

MAR 26, 1990

LAKE CHARLES REFINERY
REPORT LIST
FOR TRADE NAMES OF COMPONENTS

METHYL ETHYL KETONE 2-BUTANONE

AREA/ SECT CODE	TASK ROLES CODE	MANUFACTURER
PC032	PLASITE 9060 LIGHT BLUE	5.0 10.0
20	THERMAL CRACKING UNIT	D WISCONSIN PROTECTIVE COATINGS

SAL 000004548