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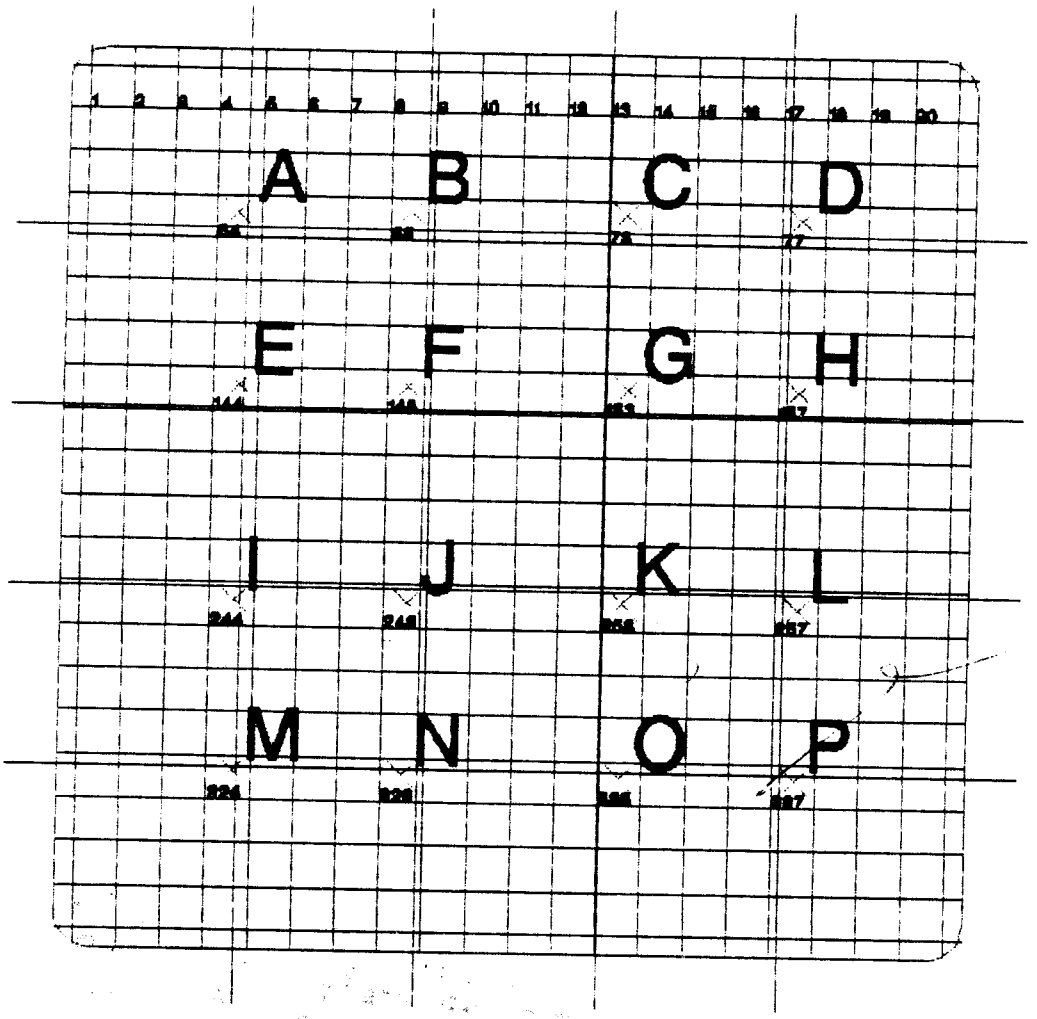
TA-53 SURFACE IMPOUNDMENTS SAMPLING AND ANALYSIS DATA APRIL 1992

VOLUME I

CHAIN-OF-CUSTODY RECORDS, VOLATILE ORGANICS AND SEMIVOLATILE ORGANICS

20000

TA-53
NW LAGOON



PROJECT: TA-53 LAGOON SAMPLING	
LOCATION: TA-53, Los Alamos National Laboratory	PROJECT LEADER: ALICE BARR
GRID LAYOUT BY: BILL KOPP	CHECKED BY: PHIL FRESQUEZ
DATE: APRIL 7, 1992	

CHAIN OF CUSTODY RECORD

Health and Environmental Chem... Group
Mail Stop K-484
Los Alamos, NM 87545

PROJ NO.

PROJECT NAME: TA-53 LAMPF LAGOON - NW

SAMPLERS (Signature): Frangus Romero

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Total Metals	VOA Totals	BNA/PCB	Total Metals/QC	VOA Totals/QC	BNA Total/QC	LABEL NO.	REMARKS
08:30	04/13/92			✓	PF-53-NW-O-S	04	✓	✓	✓				92.04882	Includes QC
09:00				✓	PF-53-NW-N-S-QC	04	✓	✓	✓				92.04881	
10:00				✓	PF-53-NW-M-S	04	✓	✓	✓				92.04880	
10:15				✓	PF-53-NW-N-S	08	✓	✓	✓				92.04879	Includes QC
10:39				✓	PF-53-NW-L-S	04	✓	✓	✓				92.04878	
11:00				✓	PF-53-NW-K-S	04	✓	✓	✓				92.04877	
11:30				✓	PF-53-NW-J-S	04	✓	✓	✓				92.04876	
11:45				✓	PF-53-NW-I-S	04	✓	✓	✓				92.04875	
12:00				✓	PF-53-NW-H-S	04	✓	✓	✓				92.04874	
12:40				✓	PF-53-NW-G-S	04	✓	✓	✓				92.04873	
13:00				✓	PF-53-NW-F-S	04	✓	✓	✓				92.04872	
13:05				✓	PF-53-NW-E-S	04	✓	✓	✓				92.04871	
13:15				✓	PF-53-NW-D-S	04	✓	✓	✓				92.04870	
13:20				✓	PF-53-NW-C-S	04	✓	✓	✓				92.04869	
13:30				✓	PF-53-NW-B-S	04	✓	✓	✓				92.04868	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
R Romero	04/13/92 14:30	Amanda Stone			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accompanies Shipment. Copy to Field Files

N 05 2

CUSTODY RECORD

Los Alamos, NM 87545

TA-53 - Northwest Lagoon

SAMPLERS (Signature) P. Fresquez, R. Romero

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Total Metals	VOA	Svoa BnA/PCBs	Gross α, β, γ	Total Metals QC	VOA Total Metals QC	BnA Totals QC	Trip Blank (VOA Totals)	Field Blank VOA Totals	BnA Totals	REMARKS LABEL NO.
	4/13/92				PF-53-NW-VOA Totals Field Blank	101		✓									92.04857
					PF-53-NW-BnA Totals Field Blank	01		✓									92.04858
					PF-53-NW-VOA-Totals Trip Blank	01		✓									92 04859
					PF-53-NW-Totals	01											
					~~PF-53-NW-0-12~~												

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
R Romero	04/17/92 14:30	Sandra Gallegos			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

W21M

Distribution: Original Accompanies Shipment, Copy to Field Files

N 05843

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

CHAIN OF CUSTODY RECORD

Health and Environmental Chemistry Group
Mail Stop K-484
Los Alamos, NM 87545

PROJ NO.

PROJECT NAME

SAMPLERS (Signature)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Total Metals	10A Totals	3VOA Bnd/PCBs	Gross α, β, X	Total Metals/QC	10A Totals/QC	3VOA Totals/QC	LABEL NO.	REMARKS
					PF-53-NW-0-W	90A	✓	✓	✓	✓				92.04845	
					PF-53-NW-0-W/QC	03					✓	✓		92.04846	

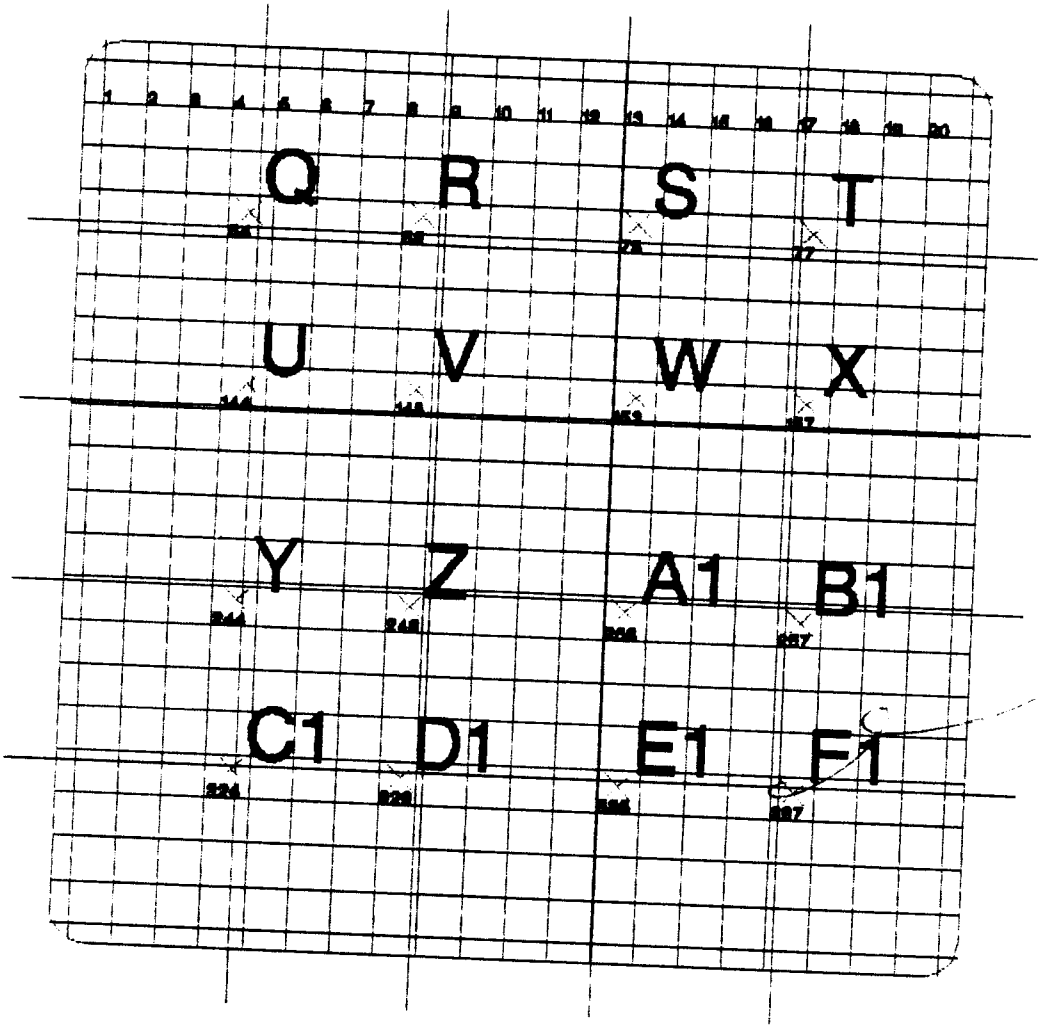
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
R Romero	04/13/92 14:30	[illegible]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accompanies Shipment, Copy to Field Files

N 08 M2

TA-53

NE LAGOON



PROJECT: TA-53 LAGOON SAMPLING	
LOCATION: TA-53, Los Alamos National Laboratory	PROJECT LEADER: ALICE BARR
GRID LAYOUT BY: BILL KOPP	CHECKED BY: PHIL FRESQUEZ
DATE: APRIL 7, 1992	

SAMPLERS: (Signature) Fresquez, Romero

Sampling

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Total metals	VOA Totals	BNA/PCB Totals	Total metals QC	VOA Totals QC	LABEL NO.	REMARKS
	4/14/92	08:40			PF-53-NE-Q-S	04	✓	✓	✓				
		09:00			PF-53-NE-Q-S/QC	04	✓	✓	✓				4608/W216
					PF-53-NE-Trip Blank	01		✓					
					PF-53-NE-Field Blank	01		✓					VOA Totals
		11:30			PF-53-NE Field Blank	01		✓					VOA Totals
		11:30			PF-53-NE-Eq. Blanks	02		✓					BNA Totals
		11:30			PF-53-NE-Eq. Blanks	01	✓						VOA Totals
		09:15			PF-53-NE-Eq. Blanks	01			✓				Total metals
		09:20			PF-53-NE-R-S	04	✓	✓	✓				BNA Total
		09:30			PF-53-NE-S-S	04	✓	✓	✓				
		09:45			PF-53-NE-T-S	04	✓	✓	✓				
		09:55			PF-53-NE-U-S	04	✓	✓	✓				
		10:00			PF-53-NE-V-S	04	✓	✓	✓				
		10:10			PF-53-NE-W-S	04	✓	✓	✓				
					PF-53-NE-X-S	04	✓	✓	✓				

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
R Romero	04/14/92 13:40	[illegible]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accompanies Shipment. Copy to Field Files

N 05842

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

CHAIN OF CUSTODY RECORD

Health and Environmental Chemistry Group
Mail Stop K-484
Los Alamos, NM 87545

JJ NO.

PROJECT NAME: TP-53 Lagoons (NE) (Sludge)

SAMPLERS (Signature): Fresquez, Romero!

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Total metals	Total VOA metals	Rad PCB Total	Gross α β γ			LABEL NO.	REMARKS
	04/14/92	09:05			PF-53-NE-Y-W	05	✓	✓	✓	✓				
		09:08			PF-53-NE-Y-W | QC	04	✓	✓	✓	✓			4608 | W216	
		10:20			PF-53-NE-Z-S	04	✓	✓	✓					
		10:35			PF-53-NE-A1-S	04	✓	✓	✓					
		10:40			PF-53-NE-B1-S	04	✓	✓	✓					
		10:55			PF-53-NE-C1-S	04	✓	✓	✓					
		11:10			PF-53-NE-D1-S	04	✓	✓	✓					
		11:25			PF-53-NE-E1-S	04	✓	✓	✓					
					PF-53-NE-F1-S	No RR								
		10:00			PF-53-NE-W-S | QC	04	✓	✓	✓					Not collected RR
		11:59			PF-53-NE-Y-S	04	✓	✓	✓					

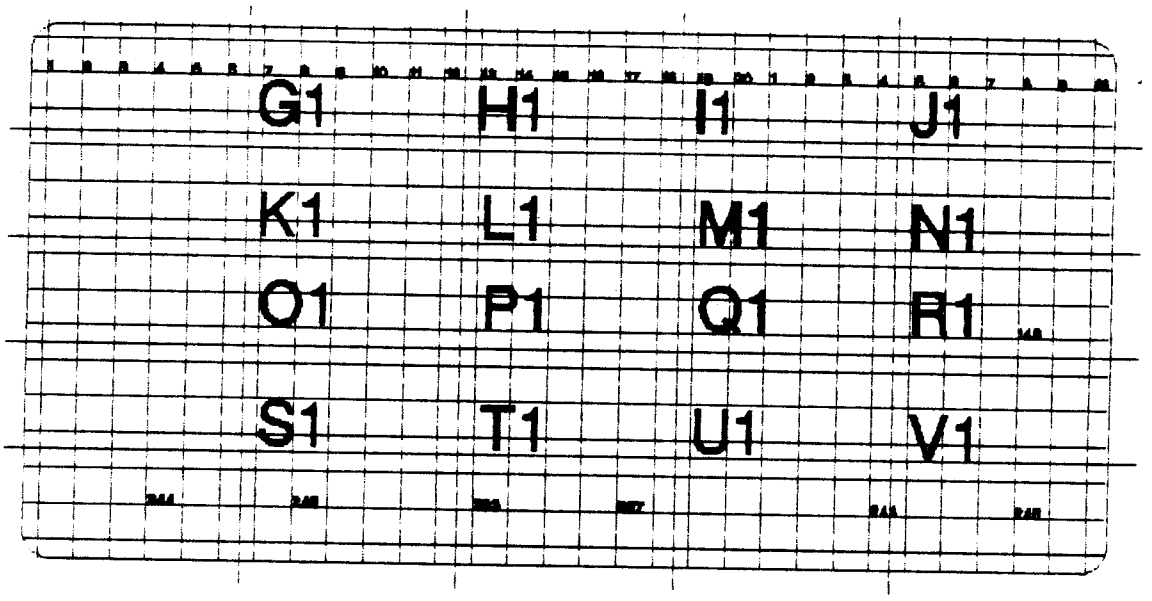
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
R Romero	04/14/92 13:35	Alexander Lopez			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accompanies Shipment, Copy to Field Files

N 05812

TA-53

SC LAGOON



LAGOON DIMENSIONS: 305 FT X 148 FT

PROJECT: TA-53 LAGOON SAMPLING	
LOCATION: TA-53 Los Alamos National Laboratory	PROJECT LEADER: ALICE BARR
GAS LAYOUT BY: BILL KOPP	CHECKED BY: PHIL FRESQUEZ
DATE: APRIL 7, 1992	

South "Rad" Lagoon / WATER — Lagoon Sampling

Los Alamos, NM 87545

SAMPLERS. (Signature)

P. Fresquez, R. Romero

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Total Metals	VOA Total List	BNA Total List + PCBs	Tritium	Gross α, β, γ	LABEL NO.	REMARKS
	4/15/92	9:00		✓	PF-53-SC-G1-Water	06	✓	✓	✓	✓	✓		Cost / Prog
		9:15		✓	PF-53-SC-G1-Water QC	04	✓	✓	✓	✓	✓		4608 / W216
		8:30		✓	PF-53-NW-Water	01			✓	✓			
		8:40		✓	PF-53-NE-Water	01			✓				
		8:47		✓	PF-53-SC-Trip Blank Water	01		✓					
		8:55		✓	PF-53-SC-Field Blank Water	02		✓					
					PF-53-SC-Equipment Blank water	03		✓					

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
R. Romero	4/15/92	R. Fresquez			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accompanies Shipment; Copy to Field Files

N 05842

CHAIN OF CUSTODY RECORD

Mail Stop K-484
Los Alamos, NM 87545

PROJ NO.

PROJECT NAME: TA-53 SC (RAD) LA6002

SAMPLERS (Signature): Romero, Fresquez

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Total Metals	VOA Total Metals	BNA/PCB Totals					LABEL NO.	REMARKS
	04/15/92	13:45		✓	PF-53-SC Conf. Bias (CB)	04								4608/W21G	

Relinquished by: (Signature) R Romero — Date / Time 04/15/92 14:17 — Received by: (Signature) [illegible]

Relinquished by: (Signature) — Date / Time — Received by: (Signature)

Relinquished by: (Signature) — Date / Time — Received for Laboratory by: (Signature)

Relinquished by: (Signature) — Date / Time — Received by: (Signature)

Relinquished by: (Signature) — Date / Time — Received by: (Signature)

Relinquished by: (Signature) — Date / Time — Received by: (Signature)

Remarks

Distribution: Original Accompanies Shipment. Copy to Field Files

CHAIN OF CUSTODY RECORD

Mail Stop K-484
Los Alamos, NM 87545

PROJ NO.

PROJECT NAME: TA-53 Lagoon Sampling South "Rad" Lagoon SLUDGE

SAMPLERS (Signature): P. Fresquez, R. Romero

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Total List	VOA total List	BWA, PCB, Total List	Gross α, β, γ			LABEL NO.	REMARKS
	4/15/92	10:15		✓	PF-53-SC-U1-Sludge									Cost / Prog. 4608 / W216
no sample				✓	~~PF-53-SC-U1-Sludge~~									
	4/15/92	9:00		✓	PF-53-NW-Cont. Bias (CB)	04	✓	✓	✓	✓				CM
	4/15/92	9:50		✓	PF-53-NW-Outlet	01				✓				
		9:55		✓	PF-53-NE-Outlet	01				✓				Rad/Lagoon Outlet + Lagoon Outlet

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
R. Romero	04/15/92 1910	Linda Vlasiou			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accompanies Shipment; Copy to Field Files

N 05[illegible]12

CHAIN OF CUSTODY RECORD

...and Environmental Chem ...up
Mail Stop K-484
Los Alamos, NM 87545

PROJ NO.

PROJECT NAME TA-53 Lagoon Sampling South "Rad Lagoon Sludge

SAMPLERS (Signature) P. Fresquez, R. Romero

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Total Metals	VOA Total List	BNA PCBs Total List	Gross α, β			LABEL NO.	REMARKS
	4/15/92	9:00		✓	PF-53-SC-G1-Sludge	04	✓	✓	✓					Costcode / Prog.code 4608 / W21G
		9:40		✓	PF-53-SC-H1-Sludge QC	04	✓	✓	✓					
		9:45		✓	PF-53-SC-H1-Sludge	04	✓	✓	✓					
		10:35		✓	PF-53-SC-I1-Sludge		✓	✓	✓					
		10:45		✓	PF-53-SC-J1-Sludge		✓	✓	✓					
		9:10		✓	PF-53-SC-K1-Sludge	04	✓	✓	✓					
		9:55		✓	PF-53-SC-L1-Sludge	05	✓	✓	✓	✓				
		10:30		✓	PF-53-SC-M1-Sludge		✓	✓	✓					Rad
		10:50		✓	PF-53-SC-N1-Sludge		✓	✓	✓					
		9:20		✓	PF-53-SC-O1-S	04	✓	✓	✓					
		10:00		✓	PF-53-SC-P1-S	04	✓	✓	✓					
		10:20		✓	PF-53-SC-Q1-S		✓	✓	✓					
		11:00		✓	PF-53-SC-R1-S		✓	✓	✓					
		9:50		✓	PF-53-SC-S1-S	04	✓	✓	✓					
		10:10		✓	PF-53-SC-T1-S	04	✓	✓	✓					

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
R. Romero	04/15/92 13:10	Sandra Gislason			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution Original Accompanies Shipment; Copy to Field Files

N 05 12

Amended : See Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12769

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0015

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 18 + 5 QCS

Matrix	Initial SN		Final SN	# Received
C	92.04867	to	92.04883	17
C	92.04951	to	92.04956	6
C	92.04957	to	92.04958	2
C	92.04959	to	92.04960	2
C	92.04961	to	92.04961	1
C	92.05219	to	92.05219	1
W	92.04963	to	92.04963	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12769

****

Program code: W21D Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04867	to	92.04883
C	92.04951	to	92.04956
C	92.04957	to	92.04958
C	92.04959	to	92.04960
C	92.04961	to	92.04961
C	92.05219	to	92.05219
W	92.04963	to	92.04963

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	5/13/92
O	VOLATILES	PTGC	SCB	5/13/92
O	1336363	GCEC	WWB	5/13/92

REMARKS:

TA-53 LAMPF LAGOONS -- NW

CAUTION: SAMPLES ARE A BIOHAZARD!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04867 TO 92.04883 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363
92.04963 = VOLATILES ONLY!!!!!!
CS:
92.04951, 92.04952 = VOLATILES
92.04953 TO 92.04956 = VOLATILES METHOD BLK
92.04957, 92.04958 = SEMI-VOLATILES
92.04959, 92.04960 = SEMI-VOLATILES METHOD BLK
92.04961 = 1336363

SN #92.05219 = ALL ANALYSIS WAS ADDED TO REQUEST ON 04/15/92
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES

Study (Orig)

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12769

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0015

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freequez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 [redacted] Date: 14-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 14-Apr-1992 Total No. received: 18 + 5QCS

Matrix	Initial SN		Final SN	# Received
C	92.04867	to	92.04883	17
C	92.04951	to	92.04956	6
C	92.04957	to	92.04958	2
C	92.04959	to	92.04960	2
C	92.04961	to	92.04961	1
W	92.04963	to	92.04963	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12769

****

Program code: W21D Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04867	to	92.04883
C	92.04951	to	92.04956
C	92.04957	to	92.04958
C	92.04959	to	92.04960
C	92.04961	to	92.04961
W	92.04963	to	92.04963

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	5/13/92
O	VOLATILES	PTGC	SCB	5/13/92
O	1336363	GCEC	WWB	5/13/92

REMARKS:

TA-53 LAMPF LAGOONS -- NW

CAUTION: SAMPLES ARE A BIOHAZARD!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04867 TO 92.04883 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363
92.04963 = VOLATILES ONLY!!!!!!
QCS:
92.04951, 92.04952 = VOLATILES
92.04953 TO 92.04956 = VOLATILES METHOD BLK
92.04957, 92.04958 = SEMI-VOLATILES
92.04959, 92.04960 = SEMI-VOLATILES METHOD BLK
92.04961 = 1336363

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12772

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0001

Request date: 13-Apr-1992 Completion date: 27-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: HCL Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 9 + 3 QC's

Matrix	Initial SN		Final SN	# Received
W	92.04885	to	92.04886	2
W	92.04887	to	92.04888	2
W	92.05003	to	92.05006	4
W	92.05007	to	92.05007	1
W	92.05357	to	92.05359	3
W	92.05360	to	92.05361	2
W	92.05362	to	92.05362	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12772	92.04885	53-NW-O-W	4/13/92
12772	92.04886	53-NW-O-W-QA	4/13/92
12772	92.04887	53-NW-FDBLK	4/13/92
12772	92.04888	53-NW-FDBLK	4/13/92
12772	92.05003	53-NW-EBK-W	4/13/92
12772	92.05004	53-NE-Y-W	4/14/92
12772	92.05005	53-NE-Y-W-QA	4/14/92
12772	92.05006	53-NE-EBK-W	4/14/92
12772	92.05007	53-NE-FDBLK	4/14/92
12772	92.05357	00.24885	4/15/92
12772	92.05358	00.20226	4/16/92
12772	92.05359	00.20226	4/16/92
12772	92.05360	00.24877	4/14/92
12772	92.05361	00.20226	4/16/92
12772	92.05362	00.24893	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12772

****

Program code: W21M Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.04885	to	92.04886
W	92.04887	to	92.04888
W	92.05003	to	92.05006
W	92.05007	to	92.05007
W	92.05357	to	92.05359
W	92.05360	to	92.05361
W	92.05362	to	92.05362

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	4/27/92
O	VOLATILES	PTGC	SCB	4/27/92
O	1336363	GCEC	WWB	4/27/92

REMARKS:

TA-53 LAGOONS -- WATER
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS ARE BELOW BACKGROUND

92.04885, 92.04886, 92.05003 TO 92.05006 = ALL ANALYSIS
SET A AND B = VOLATILES (92.05003 A ONLY!)
SET C = SEMI-VOLATILES, 1336363

92.04887, 92.04888, 92.05007 = VOLATILES ONLY!!!!

QCS:
92.05357 = VOLATILES
92.05358, 92.05359 = VOLATILES METHOD BLK
92.05360 = SEMI-VOLATILES
92.05361 = SEMI-VOLATILES METHOD BLK
92.05362 = 1336363

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12777

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0018

Request date: 14-Apr-1992 Completion date: 14-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 15-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 15-Apr-1992 Total No. received: 19 + 5 QC

Matrix	Initial SN		Final SN	# Received
C	92.04983	to	92.04999	17
C	92.05107	to	92.05112	6
C	92.05113	to	92.05116	4
C	92.05117	to	92.05117	1
W	92.05001	to	92.05002	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12777	92.04983	53-NE-A1-S	4/14/92
12777	92.04984	53-NE-B1-S	4/14/92
12777	92.04985	53-NE-C1-S	4/14/92
12777	92.04986	53-NE-D1-S	4/14/92
12777	92.04987	53-NE-E1-S	4/14/92
12777	92.04988	53-NE-Q1-S	4/14/92
12777	92.04989	53-NE-Q-S-QA	4/14/92
12777	92.04990	53-NE-R-S	4/14/92
12777	92.04991	53-NE-S-S	4/14/92
12777	92.04992	53-NE-T-S	4/14/92
12777	92.04993	53-NE-U-S	4/14/92
12777	92.04994	53-NE-V-S	4/14/92
12777	92.04995	53-NE-W-S	4/14/92
12777	92.04996	53-NE-W-S-QA	4/14/92
12777	92.04997	53-NE-X-S	4/14/92
12777	92.04998	53-NE-Y-S	4/14/92
12777	92.04999	53-NE-Z-S	4/14/92
12777	92.05001	53-NE-TBLK	4/14/92
12777	92.05002	53-NE-FBLK	4/14/92
12777	92.05107	00.24884	4/15/92
12777	92.05108	00.24883	4/15/92
12777	92.05109	00.20227	4/15/92
12777	92.05110	00.20227	4/15/92
12777	92.05111	00.20227	4/15/92
12777	92.05112	00.20227	4/15/92
12777	92.05113	00.24875	4/14/92
12777	92.05114	00.24876	4/14/92
12777	92.05115	00.20227	4/15/92
12777	92.05116	00.20227	4/15/92
12777	92.05117	00.24599	3/03/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12777

****

Program code: W21M Task ID number: Request date: 14-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04983	to	92.04999
C	92.05107	to	92.05112
C	92.05113	to	92.05116
C	92.05117	to	92.05117
W	92.05001	to	92.05002

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	5/14/92
O	VOLATILES	PTGC	SCB	5/14/92
O	1336363	GCEC	WWB	5/14/92

REMARKS:

TA-53 LAGOONS -- NE
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04983 TO 92.04999 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

92.05001, 92.05002 = VOLATILES ONLY!!!!

QCS:
92.05107, 92.05108 = VOLATILES
92.05109 TO 92.05112 = VOLATILES METHOD BLK
92.05113, 92.05114 = SEMI-VOLATILES
92.05115, 92.05116 = SEMI-VOLATILES METHOD BLK
92.05117 = 1336363

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12783

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0018

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freequez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 17 + 5 [illegible]

Matrix	Initial SN		Final SN	# Received
C	92.05120	to	92.05136	17
C	92.05367	to	92.05372	6
C	92.05373	to	92.05376	4
C	92.05377	to	92.05377	1
W	92.05137	to	92.05137	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12783	92.05120	53-SC-G1-S	4/15/92
12783	92.05121	53-SC-H1-S-Q	4/15/92
12783	92.05122	53-SC-H1-S	4/15/92
12783	92.05123	53-SC-I1-S	4/15/92
12783	92.05124	53-SC-J1-S	4/15/92
12783	92.05125	53-SC-K1-S	4/15/92
12783	92.05126	53-SC-L1-S	4/15/92
12783	92.05127	53-SC-M1-S	4/15/92
12783	92.05128	53-SC-N1-S	4/15/92
12783	92.05129	53-SC-O1-S	4/15/92
12783	92.05130	53-SC-P1-S	4/15/92
12783	92.05131	53-SC-Q1-S	4/15/92
12783	92.05132	53-SC-R1-S	4/15/92
12783	92.05133	53-SC-S1-S	4/15/92
12783	92.05134	53-SC-T1-S	4/15/92
12783	92.05135	53-SC-U1-S	4/15/92
12783	92.05136	53-SC-CBS-S	4/15/92
12783	92.05137	53-SC-TPBLK	4/15/92
12783	92.05367	00.24898	4/16/92
12783	92.05368	00.24899	4/16/92
12783	92.05369	00.20227	4/16/92
12783	92.05370	00.20227	4/16/92
12783	92.05371	00.20227	4/16/92
12783	92.05372	00.20227	4/16/92
12783	92.05373	00.24895	4/16/92
12783	92.05374	00.24894	4/16/92
12783	92.05375	00.20227	4/16/92
12783	92.05376	00.20227	4/16/92
12783	92.05377	00.24666	1/25/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12783

****

rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.05120	to	92.05136
C	92.05367	to	92.05372
C	92.05373	to	92.05376
C	92.05377	to	92.05377
W	92.05137	to	92.05137

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/16/92
O	VOLATILES	PTGC	TRB	5/16/92
O	1336363	GCEC	WWB	5/16/92

REMARKS:

TA-53 LAGOONS --- SOUTH
CAUTION: THESE SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNT (ALPHA)

92.05120 TO 92.05137 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

92.05137 = VOLATILES ONLY!!!!!!

CS:
92.05367, 92.05368 = VOLATILES
92.05369 TO 92.05372 = VOLATILES METHOD BLK
92.05373, 92.05374 = SEMI-VOLATILES
92.05375, 92.05376 = SEMI-VOLATILES METHOD BLK
92.05377 = 1336363

Amended:
See Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12787

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0005

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: [redacted] HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 [redacted] Date: 8-May-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [signature] Date: 8-May-1992 Total No. received: 4 + 3QCS

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05157	to	92.05157	1
W	92.05383	to	92.05385	3
W	92.05387	to	92.05388	2
W	92.05388	to	92.05388	1
W	92.06439	to	92.06439	1

Translation table o al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12787	92.05154	53-SC-G1-W	4/15/92
12787	92.05155	53-SC-G1-W-Q	4/15/92
12787	92.05156	53-SC-EBK-W	4/15/92
12787	92.05157	53-SC-FBLK-W	4/15/92
12787	92.05383	00.24897	4/16/92
12787	92.05384	00.20226	4/16/92
12787	92.05385	00.20226	4/16/92
12787	92.05386	00.24896	4/16/92
12787	92.05387	00.20226	4/16/92
12787	92.05388	00.24892	4/15/92
12787	92.06439	00.20226	5/08/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12787

****

'rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05157	to	92.05157
W	92.05383	to	92.05385
W	92.05387	to	92.05388
W	92.05388	to	92.05388
W	92.06439	to	92.06439

Section	Analysis	Technique	Analyst	Due-date
0	SEMIVOL	GCMS	MM	5/15/92
0	VOLATILES	PTGC	TRB	5/15/92
0	1336363	GCEC	WWB	5/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNTS (ALPHA)

92.05154 TO 92.05157 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

CS:
92.05383 = VOLATILES
92.05384, 92.05385 = VOLATILES METHOD BLK
92.05386 = SEMI-VOLATILES
92.05387 = SEMI-VOLATILES METHOD BLK
92.05388 = 1336363

ADDED SN #92.06439 FOR VOLATILES METHOD BLK ON 05/08/92

Superceded

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12787

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0005

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freeque HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 4 + 3 QCS

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05157	to	92.05157	1
W	92.05383	to	92.05385	3
W	92.05387	to	92.05388	2
W	92.05388	to	92.05388	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12787	92.05154	53-SC-G1-W	4/15/92
12787	92.05155	53-SC-G1-W-Q	4/15/92
12787	92.05156	53-SC-EBK-W	4/15/92
12787	92.05157	53-SC-FBLK-W	4/15/92
12787	92.05383	00.24897	4/16/92
12787	92.05384	00.20226	4/16/92
12787	92.05385	00.20226	4/16/92
12787	92.05386	00.24896	4/16/92
12787	92.05387	00.20226	4/16/92
12787	92.05388	00.24892	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12787

****

rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05157	to	92.05157
W	92.05383	to	92.05385
W	92.05387	to	92.05388
W	92.05388	to	92.05388

Section	Analysis	Technique	Analyst	Due-date
0	SEMIVOL	GCMS	MM	5/15/92
0	VOLATILES	PTGC	TRB	5/15/92
0	1336363	GCEC	WWB	5/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNTS (ALPHA)

92.05154 TO 92.05156 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

92.05157 = VOLATILES ONLY!!!!!!

CS:
92.05383 = VOLATILES
92.05384, 92.05385 = VOLATILES METHOD BLK
92.05386 = SEMI-VOLATILES
92.05387 = SEMI-VOLATILES METHOD BLK
92.05388 = 1336363

Superceded

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12787

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0005

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: [redacted] HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0[redacted] Date: 20-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 20-Apr-1992 Total No. received: 1 1 3 4 2 5

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05157	to	92.05157	1
W	92.05383	to	92.05385	3
W	92.05387	to	92.05388	2
W	92.05388	to	92.05388	1

Translation tab [illegible] al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12787	92.05154	53-SC-G1-W	4/15/92
12787	92.05155	53-SC-G1-W-Q	4/15/92
12787	92.05156	53-SC-EBK-W	4/15/92
12787	92.05157	53-SC-FBLK-W	4/15/92
12787	92.05383	00.24897	4/16/92
12787	92.05384	00.20226	4/16/92
12787	92.05385	00.20226	4/16/92
12787	92.05386	00.24896	4/16/92
12787	92.05387	00.20226	4/16/92
12787	92.05388	00.24892	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12787

****

Program code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05157	to	92.05157
W	92.05383	to	92.05385
W	92.05387	to	92.05388
W	92.05388	to	92.05388

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/15/92
O	VOLATILES	PTGC	TRB	5/15/92
O	1336363	GCEC	WWB	5/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNTS (ALPHA)

92.05154 TO 92.05157 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

QCS:
92.05383 = VOLATILES
92.05384, 92.05385 = VOLATILES METHOD BLK
92.05386 = SEMI-VOLATILES
92.05387 = SEMI-VOLATILES METHOD BLK
92.05388 = 1336363

To: Phil Fresquez, EM-8

From: Suzanne Bell, EM-9 Organic Analysis Section

Through: Chris Leibman, EM-9 Organic Analysis Section Leader

Date: May 26,1992

Subject: Analytical Results, Request Sheet 12769

On April 14, 1992, the following samples were received from the EM-9 Sample Receiving Section for [redacted] analysis:

[redacted]92.04883; 92.05219

These samples were analyzed using EPA SW846 Protocols. Approximately 5 gms of the sludge was weighed out and purged in 10 ml of water. All samples were either analyzed or extracted within the holding times. Samples 92.04877, 92.04867, and 92.04876 were analyzed within holding times, but the values reported are associated with reruns performed after holding times had expired. The reruns were performed because of questionable calibration data. The reruns and initial runs did not differ qualitatively.

Summary of Results: Target and nontarget compounds were detected in the samples. Please refer to the attached report for details. Note that the the values for nontarget saturated hydrocarbons detected in samples 92.04880 and 92.04875 are totals.

QA/QC Results: Surrogate recoveries for one surrogate compound were elevated in a few samples. This is most likely due to a matrix effect. The number of reanalyses that were performed was limited due to the biohazardous nature of these samples. Surrogate recoveries on the blanks were all within control limits, supporting the matrix effect explanation. Matrix spike recoveries of 1,1-dichloroethene were low due to a bad lot of material from the manufacturers. Recoveries of trichloroethene were low due to interactions of the glassware and bleach used to disinfect it. Two blind QC samples were analyzed with this request and the results are attached.

Comments: All of the sample vials contained headspace, and several of the vials were received broken or smashed. The sludges were extremely heterogeneous and results even among duplicate runs were variable. These factors must be kept in mind when interpreting this data. If you have any questions, please feel free to contact myself at 667-5889 or Chris Leibman at 665-6789. Thank you.

6/9/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR VOLATILES
SOIL

REQUEST #: 12769

NUMBER OF SAMPLES: 22
MATRIX C
ANALYST: SCB
Date: 06/09/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	d4-1,2-dichloro-ethene	toluene-(d8)	4-bromo-fluoro-benzene	
1	b92.04956	BLANK	97	103	98	
2	b92.04955	BLANK	101	98	108	
3	b92.04953	BLANK	89	99	102	
4	b92.06566	BLANK	95	99	99	
5	b92.04954	BLANK	95	101	98	
6	s92.04951	SAMPLE	86	95	99	
7	s92.04952	SAMPLE	88	98	97	
8	m92.04876	MATRIX SPIK	101	107	104	
9	d92.04876	MATRIX SP-D	100	105	110	
10	s92.04867	SAMPLE	96	95	104	
11	s92.04868	SAMPLE	107	103	150	*
12	s92.04869	SAMPLE	98	99	114	
13	s92.04870	SAMPLE	99	95	117	
14	s92.04871	SAMPLE	100	102	130	*
15	s92.04872	SAMPLE	99	99	130	*
16	s92.04873	SAMPLE	99	98	111	
17	s92.04874	SAMPLE	101	101	111	
18	s92.04875	SAMPLE	83	92	165	*
19	s92.04876	SAMPLE	111	103	97	
20	s92.04877	SAMPLE	93	94	114	
21	s92.04878	SAMPLE	105	104	115	
22	s92.04879	SAMPLE	100	99	120	
	Average % Surrogate Recovery...		95	100	102	
	Defined Lower QC Limits (%)....		70	81	74	
	Defined Upper QC Limits (%)....		121	117	121	
	Observed Lower QC Limits (%)...		86	95	97	
	Observed Upper QC Limits (%)...		101	107	110	

"*" If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 6/9/92

6-9-92

C12769.PRN

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR VOLATILES
SOIL

REQUEST #: 12769

NUMBER OF SAMPLES: 6
MATRIX x → C
ANALYST: scb
Date: 06/09/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	d4-1,2-dichloro-ethene	toluene-(d8)	4-bromo-fluoro-benzene
1	s92.04880	SAMPLE	100	97	145 *
2	s92.04881	SAMPLE	106	101	119
3	s92.04882	SAMPLE	107	100	109
4	s92.04883	SAMPLE	109	98	97
5	s92.05219	SAMPLE	107	102	125 *
6	b92.06567	BLANK	91	100	103
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Average % Surrogate Recovery...	103	100	116
Defined Lower QC Limits (%)....	70	81	74
Defined Upper QC Limits (%)....	121	117	121
Observed Lower QC Limits (%)...	91	97	97
Observed Upper QC Limits (%)...	109	102	145

"*" If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By:

6/9/92

6.9.92

X12769.PRN

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR VOLATILES
IN WATER TYPE MATRICES

REQUEST #: 12769

NUMBER OF SAMPLES: 1
MATRIX W
ANALYST: SCB
Date: 06/09/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	d4-1,2-dichloro-ethene	toluene-(d8)	4-bromo-fluoro-benzene
1	s92.04963	SAMPLE	103	100	98
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Average % Surrogate Recovery...	103	100	98
Defined Lower QC Limits (%)....	76	88	86
Defined Upper QC Limits (%)....	114	110	115
Observed Lower QC Limits (%)...	103	100	98
Observed Upper QC Limits (%)...	103	100	98

"*" If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By:

6/9/92

SB 6.9.92
"W12769.WK1"

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
MATRIX SPIKE RECOVERIES FOR VOLATILES

			DRY WT/VOL (G or ML)	DILUTION FACTOR	AMOUNT SPIKED	LOQ (UG/KG OR UG/
REQUEST #:	12769					
NUMBER OF SAMPLES:	6					
SPIKE ID: (STARTS M OR E)	m92.04876	SPIKE	0.715	1	350	35
SPIKE DUP ID: (STARTS D OR F)	d92.04876	SPIKE-DUP	0.922	1	271	27
RAW DATA WITH:	scb12769					
ANALYST:	SCB					

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
1,1-Dichlorethene	200	120	57%*	44%*	26%*	59	172	22
Benzene	330	170	94%	63%*	40%*	66	142	21
Trichlorethene	160	77	46%*	28%*	47%*	62	137	24
Toluene	320	170	92%	63%	37%*	59	139	21
Chlorobenzene	270	160	77%	59%*	27%*	60	133	21

"*" If % Matrix Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 6/9/92

To: Phil Fresquez, EM-8

From: Suzanne Bell, EM-9 Organic Analysis Section

Through: Chris Leibman, EM-9 Organic Analysis Section Leader

Date: May 27,1992

Subject: Analytical Results, Request Sheet 12772

On April 17,1992, the following samples were received from the EM-9 Sample Receiving Section for **volatile analysis:**

92.04885 thru 92.04888; 92.05003-05007

These samples were analyzed using EPA SW846 Protocols. Five mls of the liquid was purged at 40°C.

Summary of Results:
Acetone was detected in two samples. Please refer to the attached report for details.

QA/QC Results:
All surrogate recoveries were within control limits. Recovery of one matrix spike compound was out of control. This was attributed to a bad stock and possible interactions between the sample and residual disinfectant material present on the glassware used. A blind QC sample was analyzed with this request and the results are attached.

Comments: These samples were analyzed on an instrument calibrated from 80 to 800 ppb. If you have any questions, please feel free to contact myself at 667-5889 or Chris Leibman at 665-6789. **Holding times for all samples were met.** Thank you.

6/22/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR VOLATILES
IN WATER TYPE MATRICES

REQUEST #: 12772

NUMBER OF SAMPLES: 16
MATRIX W
ANALYST: SCB
Date: 05/27/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	d4-1,2-dichloro-ethene	toluene-(d8)	4-bromo-fluoro-benzene
1	b92.05370	BLANK	101	106	106
2	b92.05358	BLANK	107	101	100
3	b92.05359	BLANK	94	92	95
4	s92.04885	SAMPLE	97	103	96
5	s92.04886	SAMPLE	95	104	94
6	s92.05003	SAMPLE	90	105	92
7	s92.05004	SAMPLE	86	104	90
8	s92.05005	SAMPLE	93	107	96
9	s92.05006	SAMPLE	85	103	91
10	s92.04887	SAMPLE	94	105	93
11	s92.04888	SAMPLE	91	105	93
12	s92.05007	SAMPLE	89	105	90
13	s92.05357	SAMPLE	101	103	99
14	m92.05004	MATRIX SPIK	101	105	95
15	d92.05004	MATRIX SP-D	106	104	95
16	b92.07114	BLANK	95	104	101
17					
18					
19					
20					
21					
22					

Average % Surrogate Recovery...	94	103	95
Defined Lower QC Limits (%)....	76	88	86
Defined Upper QC Limits (%)....	114	110	115
Observed Lower QC Limits (%)...	85	92	90
Observed Upper QC Limits (%)...	107	107	106

" If % Surrogate Recovery is Followed by a "", it is out of QC Limits.

Reviewed By: 5/29/92

5-17-92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
MATRIX SPIKE RECOVERIES FOR VOLATILES

		DRY WT/VOL (G or ML)	DILUTION FACTOR	AMOUNT SPIKED	LOQ (UG/KG OR UG/
REQUEST #:	12772				
NUMBER OF SAMPLES:	16				
SPIKE ID: (STARTS M OR E)	m92.05004	SPIKE 5	1	50	5
SPIKE DUP ID: (STARTS D OR F)	d92.05004	SPIKE-DUP 5	1	50	5
RAW DATA WITH:	---				
ANALYST:	SCB				

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
1,1-Dichlorethene	<LOQ	<LOQ	0%*	0%*	ERR **	61	145	14
Benzene	43	44	86%	88%	2%	76	127	11
Trichlorethene	29	30	58%*	60%*	3%	71	120	14
Toluene	49	50	98%	100%	2%	76	125	13
Chlorobenzene	51	51	102%	102%	0%	75	130	13

Not seen in MS Control either
→ bleach effect or Stock solution.

" If % Matrix Recovery is Followed by a "", it is out of QC Limits.

Reviewed By:

To: Phil Fresquez, EM-8

From: Suzanne Bell, EM-9 **Organic Analysis** Section

Through: Chris Leibman, EM-9 Organic Analysis Section Leader

Date: May 26,1992

Subject: Analytical Results, Request Sheet 12777

On April 20, 1992, the following samples were received from the EM-9 Sample Receiving Section for volatile analysis:

92.04983 through 04999; 92.05001-92.05002; 92.05107-92.05108

These samples were analyzed using EPA SW846 Protocols. Approximately 5 gms. of the sludge was weighed out and purged in 5 mls of water. This material was extremely inhomogeneous, and all of the vials had headspace. Several of the vials were received cracked or smashed. Sample 92.04994 was received with both vials smashed, so sample that had leaked into the bottom of the plastic bag was used. Please keep this in mind when interpreting the data. Holding times were met for all of these samples.

Summary of Results:
Target compounds were detected in several samples. Please refer to the attached report for exact quantities and identifications.

QA/QC Results:
Two samples had high recoveries of one surrogate compound. This is most likely a matrix effect. Due to the biohazardous nature of these samples, reruns were not performed. Matrix spike recoveries were low for 1,1-dichloroethene due to a bad stock. Recoveries for trichloroethene were also low due to chemical interactions with the disinfectants used and the glassware of the autosampler. A blind QC was analyzed with this sample; results are attached.

Comments: These samples were biohazardous, so the number of reruns and conformation runs were limited to limit analyst exposure. The broken vials and headspace in the vials should be considered in data interpretation. It is possible that values reported are lower than true due to these problems. If you have any questions, please feel free to contact myself at 667-5889 or Chris Leibman at 665-6789. Thank you.

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR VOLATILES
SOIL

REQUEST #: 12777

NUMBER OF SAMPLES: 22
MATRIX C
ANALYST: SCB
Date: 05/26/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

OB 5-26-92

	SAMPLE NUMBERS	TYPE	d4-1,2-dichloro-ethene	toluene-(d8)	4-bromo-fluoro-benzene
1	b92.05109	BLANK	97	98	103
2	b92.05110	BLANK	91	100	103
3	b92.05111	BLANK	95	101	98
4	s92.04983	SAMPLE	97	100	125 *
5	s92.04984	SAMPLE	104	102	109
6	s92.04985	SAMPLE	96	98	136 *
7	s92.04986	SAMPLE	100	101	120
8	s92.04987	SAMPLE	94	104	118
9	s92.04988	SAMPLE	109	106	103
10	s92.04989	SAMPLE	99	99	114
11	s92.04990	SAMPLE	111	103	99
12	s92.04991	SAMPLE	111	106	104
13	s92.04992	SAMPLE	101	103	117
14	s92.04993	SAMPLE	103	100	114
15	s92.04994	SAMPLE	109	102	104
16	s92.04995	SAMPLE	111	106	108
17	s92.04996	SAMPLE	97	98	114
18	s92.04997	SAMPLE	105	102	109
19	s92.04998	SAMPLE	97	97	107
20	s92.04999	SAMPLE	98	99	109
21	s92.05001	SAMPLE	100	102	101
22	s92.05002	SAMPLE	98	105	100

Average % Surrogate Recovery...	98	101	113
Defined Lower QC Limits (%)....	70	81	74
Defined Upper QC Limits (%)....	121	117	121
Observed Lower QC Limits (%)...	91	98	98
Observed Upper QC Limits (%)...	109	106	136

"*" If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 6/2/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR VOLATILES
SOIL

REQUEST #: 12777

NUMBER OF SAMPLES: 4
MATRIX X
ANALYST: SCB
Date: 05/15/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	d4-1,2-dichloro-ethene	toluene-(d8)	4-bromo-fluoro-benzene
1	s92.05002	SAMPLE	98	105	100
2	b92.05112	BLANK	101	106	106
3	s92.05107	SAMPLE	93	101	102
4	s92.05108	SAMPLE	96	102	97
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5-15-92

Average % Surrogate Recovery...	97	104	101
Defined Lower QC Limits (%)....	70	81	74
Defined Upper QC Limits (%)....	121	117	121
Observed Lower QC Limits (%)...	93	101	97
Observed Upper QC Limits (%)...	101	106	106

"*" If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 6/2/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
MATRIX SPIKE RECOVERIES FOR VOLATILES

			DRY WT/VOL (G or ML)	DILUTION FACTOR	AMOUNT SPIKED	LOQ (UG/KG OR UG/
REQUEST #:	12777					
NUMBER OF SAMPLES:	22					
SPIKE ID: (STARTS M OR E)	m92.04876	SPIKE	0.715	1	350	35
SPIKE DUP ID: (STARTS D OR F)	d92.04876	SPIKE-DUP	0.715	1	350	35
RAW DATA WITH:	scb12777					
ANALYST:	SCB					

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
1,1-Dichlorethene	200	160	57%*	46%*	22%*	59	172	22
Benzene	330	330	94%	94%	0%	66	142	21
Trichlorethene	160	99	46%*	28%*	47%*	62	137	24
Toluene	320	220	92%	63%	37%*	59	139	21
Chlorobenzene	270	210	77%	60%	25%*	60	133	21

6/2/92

TO: PHILIP FRESQUEZ, EM-8

FROM: TONEY BEGAY, EM-9 Organic Analysis Section

THRU: CHRIS LEIBMAN
LAURA TSIAGKOURIS

DATE: MAY 20, 1992

REQUEST: 12783

The following sludge samples from TA-53 had confirmed hits. These samples were analyzed for Volatile Organic Components (VOC'S) using SW 846 Purge and Trap (P/T) GC/MS method 8260 of analysis.

The samples were received in 40 mL capacity vials. Approximately 5 grams of the sludge samples were weighed out and 5 mL of ISM/PSS spiked water was added and analyzed.

Since the samples were not blank subtracted, a copy of the method blank results have been included in the report. **The holding time requirement was met except for sample 92.05127, which was analyzed one day past the holding time expiration.**

The analyses were done on a gas chromatograph that had a 60 meter DB-5 column.

RESULTS:

	Acetone (ppb)	1,1,1-TCE (ppb)
92.05120	40	
92.05122		7.8
92.05123		16
92.05124		5.3
92.05126		6.5
92.05128	38	
92.05135	680	

QC SUMMARY:

The matrix spike recoveries were all within the control limits except for, 1,1-dichloroethene. These recoveries were low. The low recoveries were due the matrix spike mix made incorrectly.

Several of the surrogate recoveries were outside the control limits. These out of controls were possibly due to matrix effect because the method blanks had the surrogate recoveries within the control limits.

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR VOLATILES
SOIL

REQUEST #: 12783

NUMBER OF SAMPLES: 22
MATRIX: ~~S~~ C fixed [illegible] 8/17/92
ANALYST: TRB
Date: 08/15/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	d4-1,2-dichloro-ethene	toluene-(d8)	4-bromo-fluoro-benzene
1	B92.05369	BLANK	97	103	98
2	B92.05371	BLANK	94	107	103
3	B92.05372	BLANK	88	100	86
4	B92.06454	BLANK	102	99	102
5	M92.04876	MATRIX SPIK	101	107	104
6	D92.04876	MATRIX SP-D	100	105	110
7	S92.05120	SAMPLE	80	100	134 *
8	S92.05121	SAMPLE	94	101	126 *
9	S92.05122	SAMPLE	93	102	119
10	S92.05123	SAMPLE	103	104	115
11	S92.05124	SAMPLE	103	98	117
12	S92.05125	SAMPLE	64 *	95	145 *
13	S92.05126	SAMPLE	67 *	94	149 *
14	S92.05127	SAMPLE	91	100	120
15	S92.05128	SAMPLE	84	101	126 *
16	S92.05129	SAMPLE	83	102	126 *
17	S92.05130	SAMPLE	68 *	98	133 *
18	S92.05131	SAMPLE	72	99	123 *
19	S92.05132	SAMPLE	85	96	131 *
20	S92.05133	SAMPLE	89	100	130 *
21	S92.05134	SAMPLE	82	96	130 *
22	S92.05135	SAMPLE	95	89	143 *

Average % Surrogate Recovery...	95	103	110
Defined Lower QC Limits (%)....	70	81	74
Defined Upper QC Limits (%)....	121	117	121
Observed Lower QC Limits (%)...	80	99	86
Observed Upper QC Limits (%)...	103	107	134

"*" If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By:

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR VOLATILES
SOIL

REQUEST #: 12783

NUMBER OF SAMPLES: 5
MATRIX C
ANALYST: TRB
Date: 08/17/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	d4-1,2-dichloro-ethene	toluene-(d8)	4-bromo-fluoro-benzene
1	S92.05136	SAMPLE	103	101	109
2	S92.05137	SAMPLE	97	99	97
3	S92.05368	SAMPLE	99	101	96
4	S92.05367	SAMPLE	98	105	100
5	b92.05370	BLANK	101	106	106
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Average % Surrogate Recovery...	99	102	102
Defined Lower QC Limits (%)....	70	81	74
Defined Upper QC Limits (%)....	121	117	121
Observed Lower QC Limits (%)...	97	99	96
Observed Upper QC Limits (%)...	103	106	109

"*" If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By:

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
MATRIX SPIKE RECOVERIES FOR VOLATILES

		DRY WT/VOL (G or ML)		DILUTION FACTOR	AMOUNT SPIKED	LOQ (UG/KG OR UG/
REQUEST #:	12783					
NUMBER OF SAMPLES:	22					
SPIKE ID: (STARTS M OR E)	m92.04876	SPIKE	0.715	1	350	5
SPIKE DUP ID: (STARTS D OR F)	d92.04876	SPIKE-DUP	0.922	1	271	5
RAW DATA WITH:	---					
ANALYST:	TRB					

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
1,1-Dichlorethene	200	120	57%*	44%*	26%*	59	172	22
Benzene	330	170	94%	63%*	40%*	66	142	21
Trichlorethene	160	77	46%*	28%*	47%*	62	137	24
Toluene	320	170	92%	63%	37%*	59	139	21
Chlorobenzene	270	160	77%	59%*	27%*	60	133	21

8/6/92

" If % Matrix Recovery is Followed by a "", it is out of QC Limits.

Reviewed By:

TO: PHILIP FRESQUEZ, EM-8

FROM: TONEY BEGAY, EM-9 Organic Analysis Section

THRU: CHRIS LEIBMAN
LAURA TSIAGKOURIS

DATE: MAY 13, 1992

REQUEST: 12787

The following wastewater samples from TA-53 had confirmed hits. These samples were analyzed for Volatile Organic Components (VOC'S) using SW 846 Purge and Trap (P/T) GC/MS method 8260 of analysis.

The samples were received in 40 mL capacity vials. 5 mL aliquot were spiked with ISM/PSS and analyzed.

Since the samples were not blank subtracted, a copy of the method blank results have been included in the report. **The holding time requirement was met.**

RESULTS:

Request number: 12787

	Acetone (ppb)
92.05155	35.0
92.05154	29.2

6/2/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
MATRIX SPIKE RECOVERIES FOR VOLATILES

			DRY WT/VOL (G or ML)	DILUTION FACTOR	AMOUNT SPIKED	LOQ (UG/KG OR UG/
REQUEST #:	12787					
NUMBER OF SAMPLES:	10					
SPIKE ID: (STARTS M OR E)	M92.05157	SPIKE	5	1	50	5
SPIKE DUP ID: (STARTS D OR F)	D92.05157	SPIKE-DUP	5	1	50	5
RAW DATA WITH:	---					
ANALYST:	TRB					

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
1,1-Dichlorethene	<LOQ	<LOQ	0%*	0%*	ERR **	61	145	14
Benzene	41	43	82%	86%	5%	76	127	11
Trichlorethene	27	29	54%*	58%*	7%	71	120	14
Toluene	46	50	92%	100%	8%	76	125	13
Chlorobenzene	47	51	94%	102%	8%	75	130	13

5/29/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR VOLATILES
IN WATER TYPE MATRICES

REQUEST #: 12787

NUMBER OF SAMPLES: 10
MATRIX W
ANALYST: TRB
Date: 05/08/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	d4-1,2-dichloro-ethene	toluene-(d8)	4-bromo-fluoro-benzene
1	B92.06439	BLANK	102	99	102
2	B92.05385	BLANK	107	101	100
3	B92.05384	BLANK	94	107	103
4	S92.05383	SAMPLE	102	103	97
5	S92.05154	SAMPLE	103	106	98
6	S92.05155	SAMPLE	104	108	98
7	S92.05156	SAMPLE	102	102	107
8	S92.05157	SAMPLE	101	107	98
9	M92.05157	MATRIX SPIK	103	104	97
10	D92.05157	MATRIX SP-D	101	104	95
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Average % Surrogate Recovery...	102	104	99
Defined Lower QC Limits (%)....	76	88	86
Defined Upper QC Limits (%)....	114	110	115
Observed Lower QC Limits (%)...	94	99	95
Observed Upper QC Limits (%)...	107	108	107

"*" If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 5/20/92

TABLE 1
NORTHWEST IMPOUNDMENT SLUDGE - ANALYTICAL RESULTS APRIL 1992

Sample # & Location	Compound	Concentration
VOLATILE ORGANICS		
92.04873 (G)	Toluene	100 ppb
92.04874 (H)	Toluene	6.6 ppb
92.04875 (I)	Carbon disulfide 1,2,4-Trimethylbenzene	11 ppb 19 ppb
92.04878 (L)	Toluene	92 ppb
92.04879 (N)	Carbon disulfide	21 ppb
92.04880 (M)	2-Butanone Carbon disulfide Toluene	34 ppb 6 ppb 35 ppb
92.04881 (Dup at S)	Carbon disulfide	14.ppb
92.04882 (O)	Toluene	61.ppb
92.04883 (Dup at O)	Carbon disulfide Toluene	500.ppb 200.ppb

TABLE 2
NORTHEAST IMPOUNDMENT SLUDGE - ANALYTICAL RESULTS
APRIL 1992

Sample # & Location	Compound	Concentration
VOLATILE ORGANICS		
92.04985 (C1)	Carbon disulfide	9.4 ppb
92.04992 (T)	Chloroform	11 ppb
92.04995 (W)	Chloroform	5.4 ppb
92.04998 (Y)	Chloroform	6.9 ppb
92.04999 (Z)	Chloroform	8.6 ppb

TABLE 3
SOUTH IMPOUNDMENT SLUDGE - ANALYTICAL RESULTS
APRIL 1992

Sample # & Location	Compound	Concentration	
VOLATILE ORGANICS			
92.05122 (H1)	1,1,1-Trichloroethane(TCA)	√7.8 ppb	53-SC-H1
92.05123 (I1)	1,1,1-TCA	16.ppb	53-SC-I1
92.05124 (J1)	1,1,1-TCA	5.3 ppb	[illegible]
92.05126 (L1)	1,1,1-TCA	6.5 ppb	[illegible]

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04983 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	67641	< 20.		UG/KG	6/09/92		Acetone
53-NE-A1-S	92.04983	71432	< 5.		UG/KG	6/09/92		Benzene
53-NE-A1-S	92.04983	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NE-A1-S	92.04983	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NE-A1-S	92.04983	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NE-A1-S	92.04983	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NE-A1-S	92.04983	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NE-A1-S	92.04983	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NE-A1-S	92.04983	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NE-A1-S	92.04983	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NE-A1-S	92.04983	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NE-A1-S	92.04983	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NE-A1-S	92.04983	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NE-A1-S	92.04983	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NE-A1-S	92.04983	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NE-A1-S	92.04983	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NE-A1-S	92.04983	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NE-A1-S	92.04983	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NE-A1-S	92.04983	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NE-A1-S	92.04983	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NE-A1-S	92.04983	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NE-A1-S	92.04983	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NE-A1-S	92.04983	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NE-A1-S	92.04983	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NE-A1-S	92.04983	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NE-A1-S	92.04983	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NE-A1-S	92.04983	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NE-A1-S	92.04983	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NE-A1-S	92.04983	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NE-A1-S	92.04983	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NE-A1-S	92.04983	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NE-A1-S	92.04983	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NE-A1-S	92.04983	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NE-A1-S	92.04983	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NE-A1-S	92.04983	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NE-A1-S	92.04983	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NE-A1-S	92.04983	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NE-A1-S	92.04983	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NE-A1-S	92.04983	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NE-A1-S	92.04983	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NE-A1-S	92.04983	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NE-A1-S	92.04983	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NE-A1-S	92.04983	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NE-A1-S	92.04983	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NE-A1-S	92.04983	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NE-A1-S	92.04983	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NE-A1-S	92.04983	100425	< 5.		UG/KG	6/09/92		Styrene
53-NE-A1-S	92.04983	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NE-A1-S	92.04983	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NE-A1-S	92.04983	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NE-A1-S	92.04983	108883	< 5.		UG/KG	6/09/92		Toluene
53-NE-A1-S	92.04983	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-A1-S	92.04983	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NE-A1-S	92.04983	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NE-A1-S	92.04983	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NE-A1-S	92.04983	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NE-A1-S	92.04983	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NE-A1-S	92.04983	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NE-A1-S	92.04983	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NE-A1-S	92.04983	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NE-A1-S	92.04983	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04983

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04984 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-B1-S	92.04984	67641	31.	9.3	UG/KG	6/09/92		Acetone
53-NE-B1-S	92.04984	71432	< 5.		UG/KG	6/09/92		Benzene
53-NE-B1-S	92.04984	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NE-B1-S	92.04984	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NE-B1-S	92.04984	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NE-B1-S	92.04984	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NE-B1-S	92.04984	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NE-B1-S	92.04984	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NE-B1-S	92.04984	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NE-B1-S	92.04984	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NE-B1-S	92.04984	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NE-B1-S	92.04984	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NE-B1-S	92.04984	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NE-B1-S	92.04984	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NE-B1-S	92.04984	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NE-B1-S	92.04984	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NE-B1-S	92.04984	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NE-B1-S	92.04984	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NE-B1-S	92.04984	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NE-B1-S	92.04984	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NE-B1-S	92.04984	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NE-B1-S	92.04984	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NE-B1-S	92.04984	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NE-B1-S	92.04984	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NE-B1-S	92.04984	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NE-B1-S	92.04984	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-B1-S	92.04984	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NE-B1-S	92.04984	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NE-B1-S	92.04984	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NE-B1-S	92.04984	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NE-B1-S	92.04984	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NE-B1-S	92.04984	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NE-B1-S	92.04984	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NE-B1-S	92.04984	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NE-B1-S	92.04984	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NE-B1-S	92.04984	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NE-B1-S	92.04984	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NE-B1-S	92.04984	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NE-B1-S	92.04984	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NE-B1-S	92.04984	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NE-B1-S	92.04984	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NE-B1-S	92.04984	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NE-B1-S	92.04984	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NE-B1-S	92.04984	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NE-B1-S	92.04984	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NE-B1-S	92.04984	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NE-B1-S	92.04984	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NE-B1-S	92.04984	100425	< 5.		UG/KG	6/09/92		Styrene
53-NE-B1-S	92.04984	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NE-B1-S	92.04984	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NE-B1-S	92.04984	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NE-B1-S	92.04984	108883	< 5.		UG/KG	6/09/92		Toluene
53-NE-B1-S	92.04984	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-B1-S	92.04984	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NE-B1-S	92.04984	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NE-B1-S	92.04984	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NE-B1-S	92.04984	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NE-B1-S	92.04984	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NE-B1-S	92.04984	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NE-B1-S	92.04984	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NE-B1-S	92.04984	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NE-B1-S	92.04984	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-B1-S	92.04984	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04984

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04985 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-C1-S	92.04985	67641	160.	48.	UG/KG	6/09/92		Acetone
53-NE-C1-S	92.04985	71432	< 9.		UG/KG	6/09/92		Benzene
53-NE-C1-S	92.04985	108861	< 9.		UG/KG	6/09/92		Bromobenzene
53-NE-C1-S	92.04985	74975	< 9.		UG/KG	6/09/92		Bromochloromethane
53-NE-C1-S	92.04985	75274	< 9.		UG/KG	6/09/92		Bromodichloromethane
53-NE-C1-S	92.04985	75252	< 9.		UG/KG	6/09/92		Bromoform
53-NE-C1-S	92.04985	74839	< 18.		UG/KG	6/09/92		Bromomethane
53-NE-C1-S	92.04985	78933	< 36.		UG/KG	6/09/92		2-Butanone
53-NE-C1-S	92.04985	104518	< 9.		UG/KG	6/09/92		n-Butylbenzene
53-NE-C1-S	92.04985	135988	< 9.		UG/KG	6/09/92		sec-Butylbenzene
53-NE-C1-S	92.04985	98066	< 9.		UG/KG	6/09/92		tert-Butylbenzene
53-NE-C1-S	92.04985	75150	9.4	2.82	UG/KG	6/09/92		Carbon disulfide
53-NE-C1-S	92.04985	56235	< 9.		UG/KG	6/09/92		Carbon tetrachloride
53-NE-C1-S	92.04985	108907	< 9.		UG/KG	6/09/92		Chlorobenzene
53-NE-C1-S	92.04985	124481	< 9.		UG/KG	6/09/92		Chlorodibromomethane
53-NE-C1-S	92.04985	75003	< 18.		UG/KG	6/09/92		Chloroethane
53-NE-C1-S	92.04985	67663	< 9.		UG/KG	6/09/92		Chloroform
53-NE-C1-S	92.04985	74873	< 18.		UG/KG	6/09/92		Chloromethane
53-NE-C1-S	92.04985	95498	< 9.		UG/KG	6/09/92		o-Chlorotoluene
53-NE-C1-S	92.04985	106434	< 9.		UG/KG	6/09/92		p-Chlorotoluene
53-NE-C1-S	92.04985	96128	< 18.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NE-C1-S	92.04985	106934	< 9.		UG/KG	6/09/92		1,2-Dibromoethane
53-NE-C1-S	92.04985	74953	< 9.		UG/KG	6/09/92		Dibromomethane
53-NE-C1-S	92.04985	95501	< 9.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NE-C1-S	92.04985	541731	< 9.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NE-C1-S	92.04985	106467	< 9.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-C1-S	92.04985	75718	< 18.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NE-C1-S	92.04985	75343	< 9.		UG/KG	6/09/92		1,1-Dichloroethane
53-NE-C1-S	92.04985	107062	< 9.		UG/KG	6/09/92		1,2-Dichloroethane
53-NE-C1-S	92.04985	75354	< 9.		UG/KG	6/09/92		1,1-Dichloroethene
53-NE-C1-S	92.04985	156605	< 9.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NE-C1-S	92.04985	156592	< 9.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NE-C1-S	92.04985	78875	< 9.		UG/KG	6/09/92		1,2-Dichloropropane
53-NE-C1-S	92.04985	142289	< 9.		UG/KG	6/09/92		1,3-Dichloropropane
53-NE-C1-S	92.04985	594207	< 9.		UG/KG	6/09/92		2,2-Dichloropropane
53-NE-C1-S	92.04985	563586	< 9.		UG/KG	6/09/92		1,1-Dichloropropene
53-NE-C1-S	92.04985	10061015	< 9.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NE-C1-S	92.04985	10061026	< 9.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NE-C1-S	92.04985	100414	< 9.		UG/KG	6/09/92		Ethylbenzene
53-NE-C1-S	92.04985	106934	< 9.		UG/KG	6/09/92		Ethylene dibromide
53-NE-C1-S	92.04985	591786	< 36.		UG/KG	6/09/92		2-Hexanone
53-NE-C1-S	92.04985	98828	< 9.		UG/KG	6/09/92		Isopropylbenzene
53-NE-C1-S	92.04985	99876	< 9.		UG/KG	6/09/92		4-Isopropyltoluene
53-NE-C1-S	92.04985	74884	< 9.		UG/KG	6/09/92		Methyl iodide
53-NE-C1-S	92.04985	108101	< 36.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NE-C1-S	92.04985	75092	< 9.		UG/KG	6/09/92		Methylene chloride
53-NE-C1-S	92.04985	103651	< 9.		UG/KG	6/09/92		Propylbenzene
53-NE-C1-S	92.04985	100425	< 9.		UG/KG	6/09/92		Styrene
53-NE-C1-S	92.04985	630206	< 9.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NE-C1-S	92.04985	79345	< 9.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NE-C1-S	92.04985	127184	< 9.		UG/KG	6/09/92		Tetrachloroethylene
53-NE-C1-S	92.04985	108883	< 9.		UG/KG	6/09/92		Toluene
53-NE-C1-S	92.04985	76131	< 9.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-C1-S	92.04985	71556	< 9.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NE-C1-S	92.04985	79005	< 9.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NE-C1-S	92.04985	79016	< 9.		UG/KG	6/09/92		Trichloroethene
53-NE-C1-S	92.04985	75694	< 9.		UG/KG	6/09/92		Trichlorofluoromethane
53-NE-C1-S	92.04985	96184	< 9.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NE-C1-S	92.04985	95636	< 9.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NE-C1-S	92.04985	108678	< 9.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NE-C1-S	92.04985	108054	< 18.		UG/KG	6/09/92		Vinyl acetate
53-NE-C1-S	92.04985	75014	< 18.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-C1-S	92.04985	1330207	< 9.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04985

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04986 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-D1-S	92.04986	67641	25.	7.5	UG/KG	6/09/92		Acetone
53-NE-D1-S	92.04986	71432	< 5.		UG/KG	6/09/92		Benzene
53-NE-D1-S	92.04986	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NE-D1-S	92.04986	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NE-D1-S	92.04986	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NE-D1-S	92.04986	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NE-D1-S	92.04986	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NE-D1-S	92.04986	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NE-D1-S	92.04986	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NE-D1-S	92.04986	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NE-D1-S	92.04986	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NE-D1-S	92.04986	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NE-D1-S	92.04986	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NE-D1-S	92.04986	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NE-D1-S	92.04986	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NE-D1-S	92.04986	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NE-D1-S	92.04986	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NE-D1-S	92.04986	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NE-D1-S	92.04986	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NE-D1-S	92.04986	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NE-D1-S	92.04986	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NE-D1-S	92.04986	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NE-D1-S	92.04986	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NE-D1-S	92.04986	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NE-D1-S	92.04986	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NE-D1-S	92.04986	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-D1-S	92.04986	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NE-D1-S	92.04986	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NE-D1-S	92.04986	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NE-D1-S	92.04986	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NE-D1-S	92.04986	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NE-D1-S	92.04986	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NE-D1-S	92.04986	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NE-D1-S	92.04986	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NE-D1-S	92.04986	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NE-D1-S	92.04986	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NE-D1-S	92.04986	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NE-D1-S	92.04986	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NE-D1-S	92.04986	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NE-D1-S	92.04986	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NE-D1-S	92.04986	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NE-D1-S	92.04986	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NE-D1-S	92.04986	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NE-D1-S	92.04986	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NE-D1-S	92.04986	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NE-D1-S	92.04986	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NE-D1-S	92.04986	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NE-D1-S	92.04986	100425	< 5.		UG/KG	6/09/92		Styrene
53-NE-D1-S	92.04986	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NE-D1-S	92.04986	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NE-D1-S	92.04986	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NE-D1-S	92.04986	108883	< 5.		UG/KG	6/09/92		Toluene
53-NE-D1-S	92.04986	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-D1-S	92.04986	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NE-D1-S	92.04986	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NE-D1-S	92.04986	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NE-D1-S	92.04986	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NE-D1-S	92.04986	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NE-D1-S	92.04986	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NE-D1-S	92.04986	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NE-D1-S	92.04986	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NE-D1-S	92.04986	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-D1-S	92.04986	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04986

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04987 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-E1-S	92.04987	67641	< 20.		UG/KG	6/09/92		Acetone
53-NE-E1-S	92.04987	71432	< 5.		UG/KG	6/09/92		Benzene
53-NE-E1-S	92.04987	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NE-E1-S	92.04987	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NE-E1-S	92.04987	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NE-E1-S	92.04987	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NE-E1-S	92.04987	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NE-E1-S	92.04987	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NE-E1-S	92.04987	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NE-E1-S	92.04987	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NE-E1-S	92.04987	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NE-E1-S	92.04987	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NE-E1-S	92.04987	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NE-E1-S	92.04987	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NE-E1-S	92.04987	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NE-E1-S	92.04987	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NE-E1-S	92.04987	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NE-E1-S	92.04987	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NE-E1-S	92.04987	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NE-E1-S	92.04987	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NE-E1-S	92.04987	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NE-E1-S	92.04987	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NE-E1-S	92.04987	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NE-E1-S	92.04987	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NE-E1-S	92.04987	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NE-E1-S	92.04987	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-E1-S	92.04987	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NE-E1-S	92.04987	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NE-E1-S	92.04987	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NE-E1-S	92.04987	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NE-E1-S	92.04987	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NE-E1-S	92.04987	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NE-E1-S	92.04987	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NE-E1-S	92.04987	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NE-E1-S	92.04987	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NE-E1-S	92.04987	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NE-E1-S	92.04987	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NE-E1-S	92.04987	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NE-E1-S	92.04987	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NE-E1-S	92.04987	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NE-E1-S	92.04987	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NE-E1-S	92.04987	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NE-E1-S	92.04987	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NE-E1-S	92.04987	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NE-E1-S	92.04987	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NE-E1-S	92.04987	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NE-E1-S	92.04987	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NE-E1-S	92.04987	100425	< 5.		UG/KG	6/09/92		Styrene
53-NE-E1-S	92.04987	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NE-E1-S	92.04987	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NE-E1-S	92.04987	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NE-E1-S	92.04987	108883	< 5.		UG/KG	6/09/92		Toluene
53-NE-E1-S	92.04987	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-E1-S	92.04987	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NE-E1-S	92.04987	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NE-E1-S	92.04987	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NE-E1-S	92.04987	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NE-E1-S	92.04987	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NE-E1-S	92.04987	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NE-E1-S	92.04987	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NE-E1-S	92.04987	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NE-E1-S	92.04987	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-E1-S	92.04987	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04987

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04988 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S	92.04988	67641	< 20.		UG/KG	6/09/92		Acetone
53-NE-Q-S	92.04988	71432	< 5.		UG/KG	6/09/92		Benzene
53-NE-Q-S	92.04988	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NE-Q-S	92.04988	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NE-Q-S	92.04988	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NE-Q-S	92.04988	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NE-Q-S	92.04988	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NE-Q-S	92.04988	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NE-Q-S	92.04988	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NE-Q-S	92.04988	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NE-Q-S	92.04988	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NE-Q-S	92.04988	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NE-Q-S	92.04988	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NE-Q-S	92.04988	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NE-Q-S	92.04988	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NE-Q-S	92.04988	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NE-Q-S	92.04988	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NE-Q-S	92.04988	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NE-Q-S	92.04988	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NE-Q-S	92.04988	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NE-Q-S	92.04988	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NE-Q-S	92.04988	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NE-Q-S	92.04988	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NE-Q-S	92.04988	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NE-Q-S	92.04988	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NE-Q	92.04988	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S	92.04988	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NE-Q-S	92.04988	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NE-Q-S	92.04988	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NE-Q-S	92.04988	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NE-Q-S	92.04988	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NE-Q-S	92.04988	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NE-Q-S	92.04988	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NE-Q-S	92.04988	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NE-Q-S	92.04988	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NE-Q-S	92.04988	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NE-Q-S	92.04988	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NE-Q-S	92.04988	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NE-Q-S	92.04988	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NE-Q-S	92.04988	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NE-Q-S	92.04988	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NE-Q-S	92.04988	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NE-Q-S	92.04988	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NE-Q-S	92.04988	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NE-Q-S	92.04988	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NE-Q-S	92.04988	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NE-Q-S	92.04988	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NE-Q-S	92.04988	100425	< 5.		UG/KG	6/09/92		Styrene
53-NE-Q-S	92.04988	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NE-Q-S	92.04988	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NE-Q-S	92.04988	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NE-Q-S	92.04988	108883	< 5.		UG/KG	6/09/92		Toluene
53-NE-Q-S	92.04988	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-Q-S	92.04988	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NE-Q-S	92.04988	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NE-Q-S	92.04988	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NE-Q-S	92.04988	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NE-Q-S	92.04988	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NE-Q-S	92.04988	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NE-Q-S	92.04988	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NE-Q-S	92.04988	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NE-Q-S	92.04988	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S	92.04988	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04988

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04989 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S-QA	92.04989	67641	< 20.		UG/KG	6/10/92		Acetone
53-NE-Q-S-QA	92.04989	71432	< 5.		UG/KG	6/10/92		Benzene
53-NE-Q-S-QA	92.04989	108861	< 5.		UG/KG	6/10/92		Bromobenzene
53-NE-Q-S-QA	92.04989	74975	< 5.		UG/KG	6/10/92		Bromochloromethane
53-NE-Q-S-QA	92.04989	75274	< 5.		UG/KG	6/10/92		Bromodichloromethane
53-NE-Q-S-QA	92.04989	75252	< 5.		UG/KG	6/10/92		Bromoform
53-NE-Q-S-QA	92.04989	74839	< 10.		UG/KG	6/10/92		Bromomethane
53-NE-Q-S-QA	92.04989	78933	< 20.		UG/KG	6/10/92		2-Butanone
53-NE-Q-S-QA	92.04989	104518	< 5.		UG/KG	6/10/92		n-Butylbenzene
53-NE-Q-S-QA	92.04989	135988	< 5.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-Q-S-QA	92.04989	98066	< 5.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-Q-S-QA	92.04989	75150	< 5.		UG/KG	6/10/92		Carbon disulfide
53-NE-Q-S-QA	92.04989	56235	< 5.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-Q-S-QA	92.04989	108907	< 5.		UG/KG	6/10/92		Chlorobenzene
53-NE-Q-S-QA	92.04989	124481	< 5.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-Q-S-QA	92.04989	75003	< 10.		UG/KG	6/10/92		Chloroethane
53-NE-Q-S-QA	92.04989	67663	< 5.		UG/KG	6/10/92		Chloroform
53-NE-Q-S-QA	92.04989	74873	< 10.		UG/KG	6/10/92		Chloromethane
53-NE-Q-S-QA	92.04989	95498	< 5.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-Q-S-QA	92.04989	106434	< 5.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-Q-S-QA	92.04989	96128	< 10.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-Q-S-QA	92.04989	106934	< 5.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-Q-S-QA	92.04989	74953	< 5.		UG/KG	6/10/92		Dibromomethane
53-NE-Q-S-QA	92.04989	95501	< 5.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-Q-S-QA	92.04989	541731	< 5.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-Q-S-QA	92.04989	106467	< 5.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S-QA	92.04989	75718	< 10.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-Q-S-QA	92.04989	75343	< 5.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-Q-S-QA	92.04989	107062	< 5.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-Q-S-QA	92.04989	75354	< 5.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-Q-S-QA	92.04989	156605	< 5.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-Q-S-QA	92.04989	156592	< 5.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-Q-S-QA	92.04989	78875	< 5.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-Q-S-QA	92.04989	142289	< 5.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-Q-S-QA	92.04989	594207	< 5.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-Q-S-QA	92.04989	563586	< 5.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-Q-S-QA	92.04989	10061015	< 5.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-Q-S-QA	92.04989	10061026	< 5.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-Q-S-QA	92.04989	100414	< 5.		UG/KG	6/10/92		Ethylbenzene
53-NE-Q-S-QA	92.04989	106934	< 5.		UG/KG	6/10/92		Ethylene dibromide
53-NE-Q-S-QA	92.04989	591786	< 20.		UG/KG	6/10/92		2-Hexanone
53-NE-Q-S-QA	92.04989	98828	< 5.		UG/KG	6/10/92		Isopropylbenzene
53-NE-Q-S-QA	92.04989	99876	< 5.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-Q-S-QA	92.04989	74884	< 5.		UG/KG	6/10/92		Methyl iodide
53-NE-Q-S-QA	92.04989	108101	< 20.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-Q-S-QA	92.04989	75092	< 5.		UG/KG	6/10/92		Methylene chloride
53-NE-Q-S-QA	92.04989	103651	< 5.		UG/KG	6/10/92		Propylbenzene
53-NE-Q-S-QA	92.04989	100425	< 5.		UG/KG	6/10/92		Styrene
53-NE-Q-S-QA	92.04989	630206	< 5.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-Q-S-QA	92.04989	79345	< 5.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-Q-S-QA	92.04989	127184	< 5.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-Q-S-QA	92.04989	108883	< 5.		UG/KG	6/10/92		Toluene
53-NE-Q-S-QA	92.04989	76131	< 5.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-Q-S-QA	92.04989	71556	< 5.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-Q-S-QA	92.04989	79005	< 5.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-Q-S-QA	92.04989	79016	< 5.		UG/KG	6/10/92		Trichloroethene
53-NE-Q-S-QA	92.04989	75694	< 5.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-Q-S-QA	92.04989	96184	< 5.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-Q-S-QA	92.04989	95636	< 5.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-Q-S-QA	92.04989	108678	< 5.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-Q-S-QA	92.04989	108054	< 10.		UG/KG	6/10/92		Vinyl acetate
53-NE-Q-S-QA	92.04989	75014	< 10.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S-QA	92.04989	1330207	< 5.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04989

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04990 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-R-S	92.04990	67641	< 20.		UG/KG	6/10/92		Acetone
53-NE-R-S	92.04990	71432	< 5.		UG/KG	6/10/92		Benzene
53-NE-R-S	92.04990	108861	< 5.		UG/KG	6/10/92		Bromobenzene
53-NE-R-S	92.04990	74975	< 5.		UG/KG	6/10/92		Bromochloromethane
53-NE-R-S	92.04990	75274	< 5.		UG/KG	6/10/92		Bromodichloromethane
53-NE-R-S	92.04990	75252	< 5.		UG/KG	6/10/92		Bromoform
53-NE-R-S	92.04990	74839	< 10.		UG/KG	6/10/92		Bromomethane
53-NE-R-S	92.04990	78933	< 20.		UG/KG	6/10/92		2-Butanone
53-NE-R-S	92.04990	104518	< 5.		UG/KG	6/10/92		n-Butylbenzene
53-NE-R-S	92.04990	135988	< 5.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-R-S	92.04990	98066	< 5.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-R-S	92.04990	75150	< 5.		UG/KG	6/10/92		Carbon disulfide
53-NE-R-S	92.04990	56235	< 5.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-R-S	92.04990	108907	< 5.		UG/KG	6/10/92		Chlorobenzene
53-NE-R-S	92.04990	124481	< 5.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-R-S	92.04990	75003	< 10.		UG/KG	6/10/92		Chloroethane
53-NE-R-S	92.04990	67663	< 5.		UG/KG	6/10/92		Chloroform
53-NE-R-S	92.04990	74873	< 10.		UG/KG	6/10/92		Chloromethane
53-NE-R-S	92.04990	95498	< 5.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-R-S	92.04990	106434	< 5.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-R-S	92.04990	96128	< 10.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-R-S	92.04990	106934	< 5.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-R-S	92.04990	74953	< 5.		UG/KG	6/10/92		Dibromomethane
53-NE-R-S	92.04990	95501	< 5.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-R-S	92.04990	541731	< 5.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-R-S	92.04990	106467	< 5.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-R-S	92.04990	75718	< 10.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-R-S	92.04990	75343	< 5.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-R-S	92.04990	107062	< 5.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-R-S	92.04990	75354	< 5.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-R-S	92.04990	156605	< 5.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-R-S	92.04990	156592	< 5.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-R-S	92.04990	78875	< 5.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-R-S	92.04990	142289	< 5.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-R-S	92.04990	594207	< 5.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-R-S	92.04990	563586	< 5.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-R-S	92.04990	10061015	< 5.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-R-S	92.04990	10061026	< 5.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-R-S	92.04990	100414	< 5.		UG/KG	6/10/92		Ethylbenzene
53-NE-R-S	92.04990	106934	< 5.		UG/KG	6/10/92		Ethylene dibromide
53-NE-R-S	92.04990	591786	< 20.		UG/KG	6/10/92		2-Hexanone
53-NE-R-S	92.04990	98828	< 5.		UG/KG	6/10/92		Isopropylbenzene
53-NE-R-S	92.04990	99876	< 5.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-R-S	92.04990	74884	< 5.		UG/KG	6/10/92		Methyl iodide
53-NE-R-S	92.04990	108101	< 20.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-R-S	92.04990	75092	< 5.		UG/KG	6/10/92		Methylene chloride
53-NE-R-S	92.04990	103651	< 5.		UG/KG	6/10/92		Propylbenzene
53-NE-R-S	92.04990	100425	< 5.		UG/KG	6/10/92		Styrene
53-NE-R-S	92.04990	630206	< 5.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-R-S	92.04990	79345	< 5.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-R-S	92.04990	127184	< 5.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-R-S	92.04990	108883	< 5.		UG/KG	6/10/92		Toluene
53-NE-R-S	92.04990	76131	< 5.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-R-S	92.04990	71556	< 5.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-R-S	92.04990	79005	< 5.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-R-S	92.04990	79016	< 5.		UG/KG	6/10/92		Trichloroethene
53-NE-R-S	92.04990	75694	< 5.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-R-S	92.04990	96184	< 5.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-R-S	92.04990	95636	< 5.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-R-S	92.04990	108678	< 5.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-R-S	92.04990	108054	< 10.		UG/KG	6/10/92		Vinyl acetate
53-NE-R-S	92.04990	75014	< 10.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-R-S	92.04990	1330207	< 5.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04990

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04991 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-S-S	92.04991	67641	120.	36.	UG/KG	6/10/92		Acetone
53-NE-S-S	92.04991	71432	< 5.		UG/KG	6/10/92		Benzene
53-NE-S-S	92.04991	108861	< 5.		UG/KG	6/10/92		Bromobenzene
53-NE-S-S	92.04991	74975	< 5.		UG/KG	6/10/92		Bromochloromethane
53-NE-S-S	92.04991	75274	< 5.		UG/KG	6/10/92		Bromodichloromethane
53-NE-S-S	92.04991	75252	< 5.		UG/KG	6/10/92		Bromoform
53-NE-S-S	92.04991	74839	< 10.		UG/KG	6/10/92		Bromomethane
53-NE-S-S	92.04991	78933	< 20.		UG/KG	6/10/92		2-Butanone
53-NE-S-S	92.04991	104518	< 5.		UG/KG	6/10/92		n-Butylbenzene
53-NE-S-S	92.04991	135988	< 5.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-S-S	92.04991	98066	< 5.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-S-S	92.04991	75150	< 5.		UG/KG	6/10/92		Carbon disulfide
53-NE-S-S	92.04991	56235	< 5.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-S-S	92.04991	108907	< 5.		UG/KG	6/10/92		Chlorobenzene
53-NE-S-S	92.04991	124481	< 5.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-S-S	92.04991	75003	< 10.		UG/KG	6/10/92		Chloroethane
53-NE-S-S	92.04991	67663	< 5.		UG/KG	6/10/92		Chloroform
53-NE-S-S	92.04991	74873	< 10.		UG/KG	6/10/92		Chloromethane
53-NE-S-S	92.04991	95498	< 5.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-S-S	92.04991	106434	< 5.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-S-S	92.04991	96128	< 10.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-S-S	92.04991	106934	< 5.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-S-S	92.04991	74953	< 5.		UG/KG	6/10/92		Dibromomethane
53-NE-S-S	92.04991	95501	< 5.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-S-S	92.04991	541731	< 5.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-S-S	92.04991	106467	< 5.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-S-S	92.04991	75718	< 10.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-S-S	92.04991	75343	< 5.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-S-S	92.04991	107062	< 5.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-S-S	92.04991	75354	< 5.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-S-S	92.04991	156605	< 5.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-S-S	92.04991	156592	< 5.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-S-S	92.04991	78875	< 5.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-S-S	92.04991	142289	< 5.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-S-S	92.04991	594207	< 5.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-S-S	92.04991	563586	< 5.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-S-S	92.04991	10061015	< 5.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-S-S	92.04991	10061026	< 5.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-S-S	92.04991	100414	< 5.		UG/KG	6/10/92		Ethylbenzene
53-NE-S-S	92.04991	106934	< 5.		UG/KG	6/10/92		Ethylene dibromide
53-NE-S-S	92.04991	591786	< 20.		UG/KG	6/10/92		2-Hexanone
53-NE-S-S	92.04991	98828	< 5.		UG/KG	6/10/92		Isopropylbenzene
53-NE-S-S	92.04991	99876	< 5.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-S-S	92.04991	74884	< 5.		UG/KG	6/10/92		Methyl iodide
53-NE-S-S	92.04991	108101	< 20.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-S-S	92.04991	75092	< 5.		UG/KG	6/10/92		Methylene chloride
53-NE-S-S	92.04991	103651	< 5.		UG/KG	6/10/92		Propylbenzene
53-NE-S-S	92.04991	100425	< 5.		UG/KG	6/10/92		Styrene
53-NE-S-S	92.04991	630206	< 5.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-S-S	92.04991	79345	< 5.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-S-S	92.04991	127184	< 5.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-S-S	92.04991	108883	< 5.		UG/KG	6/10/92		Toluene
53-NE-S-S	92.04991	76131	< 5.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-S-S	92.04991	71556	< 5.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-S-S	92.04991	79005	< 5.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-S-S	92.04991	79016	< 5.		UG/KG	6/10/92		Trichloroethene
53-NE-S-S	92.04991	75694	< 5.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-S-S	92.04991	96184	< 5.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-S-S	92.04991	95636	< 5.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-S-S	92.04991	108678	< 5.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-S-S	92.04991	108054	< 10.		UG/KG	6/10/92		Vinyl acetate
53-NE-S-S	92.04991	75014	< 10.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04867 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 5/01/92 Date Analyzed: 5/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-A-S	92.04867	67641	< 92.		UG/KG	6/09/92		Acetone
53-NW-A-S	92.04867	71432	< 23.		UG/KG	6/09/92		Benzene
53-NW-A-S	92.04867	108861	< 23.		UG/KG	6/09/92		Bromobenzene
53-NW-A-S	92.04867	74975	< 23.		UG/KG	6/09/92		Bromochloromethane
53-NW-A-S	92.04867	75274	< 23.		UG/KG	6/09/92		Bromodichloromethane
53-NW-A-S	92.04867	75252	< 23.		UG/KG	6/09/92		Bromoform
53-NW-A-S	92.04867	74839	< 46.		UG/KG	6/09/92		Bromomethane
53-NW-A-S	92.04867	78933	< 92.		UG/KG	6/09/92		2-Butanone
53-NW-A-S	92.04867	104518	< 23.		UG/KG	6/09/92		n-Butylbenzene
53-NW-A-S	92.04867	135988	< 23.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-A-S	92.04867	98066	< 23.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-A-S	92.04867	75150	< 23.		UG/KG	6/09/92		Carbon disulfide
53-NW-A-S	92.04867	56235	< 23.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-A-S	92.04867	108907	< 23.		UG/KG	6/09/92		Chlorobenzene
53-NW-A-S	92.04867	124481	< 23.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-A-S	92.04867	75003	< 46.		UG/KG	6/09/92		Chloroethane
53-NW-A-S	92.04867	67663	< 23.		UG/KG	6/09/92		Chloroform
53-NW-A-S	92.04867	74873	< 46.		UG/KG	6/09/92		Chloromethane
53-NW-A-S	92.04867	95498	< 23.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-A-S	92.04867	106434	< 23.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-A-S	92.04867	96128	< 46.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-A-S	92.04867	106934	< 23.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-A-S	92.04867	74953	< 23.		UG/KG	6/09/92		Dibromomethane
53-NW-A-S	92.04867	95501	< 23.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-A-S	92.04867	541731	< 23.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-A-S	92.04867	106467	< 23.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-A-S	92.04867	75718	< 46.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-A-S	92.04867	75343	< 23.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-A-S	92.04867	107062	< 23.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-A-S	92.04867	75354	< 23.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-A-S	92.04867	156605	< 23.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-A-S	92.04867	156592	< 23.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-A-S	92.04867	78875	< 23.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-A-S	92.04867	142289	< 23.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-A-S	92.04867	594207	< 23.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-A-S	92.04867	563586	< 23.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-A-S	92.04867	10061015	< 23.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-A-S	92.04867	10061026	< 23.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-A-S	92.04867	100414	< 23.		UG/KG	6/09/92		Ethylbenzene
53-NW-A-S	92.04867	106934	< 23.		UG/KG	6/09/92		Ethylene dibromide
53-NW-A-S	92.04867	591786	< 92.		UG/KG	6/09/92		2-Hexanone
53-NW-A-S	92.04867	98828	< 23.		UG/KG	6/09/92		Isopropylbenzene
53-NW-A-S	92.04867	99876	25.	7.5	UG/KG	6/09/92		4-Isopropyltoluene
53-NW-A-S	92.04867	74884	< 23.		UG/KG	6/09/92		Methyl iodide
53-NW-A-S	92.04867	108101	< 92.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-A-S	92.04867	75092	< 23.		UG/KG	6/09/92		Methylene chloride
53-NW-A-S	92.04867	103651	< 23.		UG/KG	6/09/92		Propylbenzene
53-NW-A-S	92.04867	100425	< 23.		UG/KG	6/09/92		Styrene
53-NW-A-S	92.04867	630206	< 23.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-A-S	92.04867	79345	< 23.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-A-S	92.04867	127184	< 23.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-A-S	92.04867	108883	< 23.		UG/KG	6/09/92		Toluene
53-NW-A-S	92.04867	76131	< 23.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-A-S	92.04867	71556	< 23.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-A-S	92.04867	79005	< 23.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-A-S	92.04867	79016	< 23.		UG/KG	6/09/92		Trichloroethene
53-NW-A-S	92.04867	75694	< 23.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-A-S	92.04867	96184	< 23.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-A-S	92.04867	95636	< 23.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-A-S	92.04867	108678	< 23.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-A-S	92.04867	108054	< 46.		UG/KG	6/09/92		Vinyl acetate
53-NW-A-S	92.04867	75014	< 46.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-A-S	92.04867	X 1330207	< 23.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04867

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04868 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-B-S	92.04868	67641	30.	9.	UG/KG	6/09/92		Acetone
53-NW-B-S	92.04868	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-B-S	92.04868	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-B-S	92.04868	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-B-S	92.04868	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-B-S	92.04868	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-B-S	92.04868	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-B-S	92.04868	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-B-S	92.04868	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-B-S	92.04868	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-B-S	92.04868	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-B-S	92.04868	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-B-S	92.04868	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-B-S	92.04868	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-B-S	92.04868	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-B-S	92.04868	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-B-S	92.04868	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-B-S	92.04868	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-B-S	92.04868	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-B-S	92.04868	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-B-S	92.04868	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-B-S	92.04868	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-B-S	92.04868	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-B-S	92.04868	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-B-S	92.04868	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-B-S	92.04868	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-B-S	92.04868	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-B-S	92.04868	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-B-S	92.04868	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-B-S	92.04868	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-B-S	92.04868	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-B-S	92.04868	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-B-S	92.04868	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-B-S	92.04868	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-B-S	92.04868	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-B-S	92.04868	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-B-S	92.04868	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-B-S	92.04868	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-B-S	92.04868	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-B-S	92.04868	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-B-S	92.04868	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-B-S	92.04868	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-B-S	92.04868	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-B-S	92.04868	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-B-S	92.04868	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-B-S	92.04868	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-B-S	92.04868	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-B-S	92.04868	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-B-S	92.04868	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-B-S	92.04868	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-B-S	92.04868	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-B-S	92.04868	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-B-S	92.04868	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-B-S	92.04868	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-B-S	92.04868	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-B-S	92.04868	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-B-S	92.04868	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-B-S	92.04868	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-B-S	92.04868	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-B-S	92.04868	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-B-S	92.04868	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-B-S	92.04868	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS		ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-B-S	92.04868	1330207		< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04868

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS		ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-B-S	92.04868	138863	TI	840.		UG/KG	6/09/92		a-Limonene

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04869 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-C-S	92.04869	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-C-S	92.04869	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-C-S	92.04869	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-C-S	92.04869	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-C-S	92.04869	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-C-S	92.04869	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-C-S	92.04869	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-C-S	92.04869	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-C-S	92.04869	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-C-S	92.04869	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-C-S	92.04869	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-C-S	92.04869	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-C-S	92.04869	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-C-S	92.04869	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-C-S	92.04869	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-C-S	92.04869	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-C-S	92.04869	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-C-S	92.04869	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-C-S	92.04869	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-C-S	92.04869	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-C-S	92.04869	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-C-S	92.04869	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-C-S	92.04869	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-C-S	92.04869	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-C-S	92.04869	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-C-S	92.04869	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-C-S	92.04869	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-C-S	92.04869	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-C-S	92.04869	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-C-S	92.04869	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-C-S	92.04869	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-C-S	92.04869	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-C-S	92.04869	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-C-S	92.04869	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-C-S	92.04869	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-C-S	92.04869	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-C-S	92.04869	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-C-S	92.04869	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-C-S	92.04869	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-C-S	92.04869	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-C-S	92.04869	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-C-S	92.04869	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-C-S	92.04869	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-C-S	92.04869	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-C-S	92.04869	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-C-S	92.04869	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-C-S	92.04869	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-C-S	92.04869	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-C-S	92.04869	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-C-S	92.04869	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-C-S	92.04869	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-C-S	92.04869	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-C-S	92.04869	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-C-S	92.04869	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-C-S	92.04869	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-C-S	92.04869	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-C-S	92.04869	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-C-S	92.04869	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-C-S	92.04869	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-C-S	92.04869	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-C-S	92.04869	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-C-S	92.04869	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-C-S	92.04869	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04869

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04870 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-D-S	92.04870	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-D-S	92.04870	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-D-S	92.04870	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-D-S	92.04870	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-D-S	92.04870	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-D-S	92.04870	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-D-S	92.04870	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-D-S	92.04870	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-D-S	92.04870	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-D-S	92.04870	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-D-S	92.04870	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-D-S	92.04870	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-D-S	92.04870	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-D-S	92.04870	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-D-S	92.04870	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-D-S	92.04870	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-D-S	92.04870	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-D-S	92.04870	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-D-S	92.04870	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-D-S	92.04870	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-D-S	92.04870	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-D-S	92.04870	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-D-S	92.04870	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-D-S	92.04870	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-D-S	92.04870	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-D-S	92.04870	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-D-S	92.04870	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-D-S	92.04870	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-D-S	92.04870	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-D-S	92.04870	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-D-S	92.04870	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-D-S	92.04870	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-D-S	92.04870	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-D-S	92.04870	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-D-S	92.04870	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-D-S	92.04870	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-D-S	92.04870	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-D-S	92.04870	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-D-S	92.04870	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-D-S	92.04870	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-D-S	92.04870	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-D-S	92.04870	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-D-S	92.04870	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-D-S	92.04870	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-D-S	92.04870	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-D-S	92.04870	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-D-S	92.04870	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-D-S	92.04870	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-D-S	92.04870	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-D-S	92.04870	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-D-S	92.04870	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-D-S	92.04870	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-D-S	92.04870	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-D-S	92.04870	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-D-S	92.04870	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-D-S	92.04870	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-D-S	92.04870	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-D-S	92.04870	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-D-S	92.04870	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-D-S	92.04870	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-D-S	92.04870	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-D-S	92.04870	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-D-S	92.04870	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04870

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04871 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-E-S	92.04871	67641	87.	26.1	UG/KG	6/09/92		Acetone
53-NW-E-S	92.04871	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-E-S	92.04871	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-E-S	92.04871	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-E-S	92.04871	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-E-S	92.04871	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-E-S	92.04871	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-E-S	92.04871	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-E-S	92.04871	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-E-S	92.04871	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-E-S	92.04871	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-E-S	92.04871	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-E-S	92.04871	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-E-S	92.04871	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-E-S	92.04871	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-E-S	92.04871	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-E-S	92.04871	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-E-S	92.04871	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-E-S	92.04871	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-E-S	92.04871	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-E-S	92.04871	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-E-S	92.04871	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-E-S	92.04871	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-E-S	92.04871	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-E-S	92.04871	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-E-S	92.04871	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-E-S	92.04871	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-E-S	92.04871	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-E-S	92.04871	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-E-S	92.04871	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-E-S	92.04871	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-E-S	92.04871	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-E-S	92.04871	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-E-S	92.04871	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-E-S	92.04871	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-E-S	92.04871	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-E-S	92.04871	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-E-S	92.04871	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-E-S	92.04871	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-E-S	92.04871	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-E-S	92.04871	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-E-S	92.04871	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-E-S	92.04871	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-E-S	92.04871	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-E-S	92.04871	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-E-S	92.04871	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-E-S	92.04871	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-E-S	92.04871	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-E-S	92.04871	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-E-S	92.04871	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-E-S	92.04871	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-E-S	92.04871	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-E-S	92.04871	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-E-S	92.04871	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-E-S	92.04871	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-E-S	92.04871	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-E-S	92.04871	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-E-S	92.04871	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-E-S	92.04871	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-E-S	92.04871	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-E-S	92.04871	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-E-S	92.04871	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-E-S	92.04871	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04871

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04872 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-F-S	92.04872	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-F-S	92.04872	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-F-S	92.04872	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-F-S	92.04872	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-F-S	92.04872	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-F-S	92.04872	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-F-S	92.04872	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-F-S	92.04872	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-F-S	92.04872	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-F-S	92.04872	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-F-S	92.04872	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-F-S	92.04872	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-F-S	92.04872	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-F-S	92.04872	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-F-S	92.04872	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-F-S	92.04872	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-F-S	92.04872	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-F-S	92.04872	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-F-S	92.04872	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-F-S	92.04872	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-F-S	92.04872	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-F-S	92.04872	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-F-S	92.04872	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-F-S	92.04872	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-F-S	92.04872	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-F-S	92.04872	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-F-S	92.04872	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-F-S	92.04872	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-F-S	92.04872	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-F-S	92.04872	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-F-S	92.04872	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-F-S	92.04872	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-F-S	92.04872	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-F-S	92.04872	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-F-S	92.04872	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-F-S	92.04872	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-F-S	92.04872	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-F-S	92.04872	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-F-S	92.04872	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-F-S	92.04872	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-F-S	92.04872	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-F-S	92.04872	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-F-S	92.04872	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-F-S	92.04872	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-F-S	92.04872	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-F-S	92.04872	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-F-S	92.04872	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-F-S	92.04872	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-F-S	92.04872	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-F-S	92.04872	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-F-S	92.04872	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-F-S	92.04872	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-F-S	92.04872	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-F-S	92.04872	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-F-S	92.04872	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-F-S	92.04872	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-F-S	92.04872	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-F-S	92.04872	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-F-S	92.04872	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-F-S	92.04872	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-F-S	92.04872	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-F-S	92.04872	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-F-S	92.04872	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04872

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04873 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 4/25/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-G-S	92.04873	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-G-S	92.04873	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-G-S	92.04873	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-G-S	92.04873	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-G-S	92.04873	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-G-S	92.04873	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-G-S	92.04873	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-G-S	92.04873	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-G-S	92.04873	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-G-S	92.04873	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-G-S	92.04873	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-G-S	92.04873	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-G-S	92.04873	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-G-S	92.04873	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-G-S	92.04873	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-G-S	92.04873	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-G-S	92.04873	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-G-S	92.04873	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-G-S	92.04873	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-G-S	92.04873	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-G-S	92.04873	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-G-S	92.04873	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-G-S	92.04873	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-G-S	92.04873	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-G-S	92.04873	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-G-S	92.04873	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-G-S	92.04873	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-G-S	92.04873	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-G-S	92.04873	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-G-S	92.04873	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-G-S	92.04873	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-G-S	92.04873	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-G-S	92.04873	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-G-S	92.04873	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-G-S	92.04873	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-G-S	92.04873	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-G-S	92.04873	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-G-S	92.04873	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-G-S	92.04873	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-G-S	92.04873	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-G-S	92.04873	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-G-S	92.04873	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-G-S	92.04873	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-G-S	92.04873	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-G-S	92.04873	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-G-S	92.04873	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-G-S	92.04873	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-G-S	92.04873	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-G-S	92.04873	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-G-S	92.04873	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-G-S	92.04873	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-G-S	92.04873	108883	100.	30.	UG/KG	6/09/92		Toluene
53-NW-G-S	92.04873	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-G-S	92.04873	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-G-S	92.04873	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-G-S	92.04873	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-G-S	92.04873	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-G-S	92.04873	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-G-S	92.04873	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-G-S	92.04873	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-G-S	92.04873	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-G-S	92.04873	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-G-S	92.04873	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04873

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04874 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-H-S	92.04874	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-H-S	92.04874	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-H-S	92.04874	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-H-S	92.04874	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-H-S	92.04874	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-H-S	92.04874	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-H-S	92.04874	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-H-S	92.04874	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-H-S	92.04874	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-H-S	92.04874	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-H-S	92.04874	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-H-S	92.04874	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-H-S	92.04874	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-H-S	92.04874	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-H-S	92.04874	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-H-S	92.04874	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-H-S	92.04874	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-H-S	92.04874	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-H-S	92.04874	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-H-S	92.04874	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-H-S	92.04874	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-H-S	92.04874	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-H-S	92.04874	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-H-S	92.04874	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-H-S	92.04874	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-H-S	92.04874	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-H-S	92.04874	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-H-S	92.04874	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-H-S	92.04874	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-H-S	92.04874	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-H-S	92.04874	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-H-S	92.04874	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-H-S	92.04874	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-H-S	92.04874	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-H-S	92.04874	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-H-S	92.04874	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-H-S	92.04874	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-H-S	92.04874	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-H-S	92.04874	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-H-S	92.04874	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-H-S	92.04874	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-H-S	92.04874	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-H-S	92.04874	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-H-S	92.04874	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-H-S	92.04874	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-H-S	92.04874	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-H-S	92.04874	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-H-S	92.04874	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-H-S	92.04874	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-H-S	92.04874	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-H-S	92.04874	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-H-S	92.04874	108883	6.6	1.98	UG/KG	6/09/92		Toluene
53-NW-H-S	92.04874	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-H-S	92.04874	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-H-S	92.04874	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-H-S	92.04874	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-H-S	92.04874	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-H-S	92.04874	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-H-S	92.04874	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-H-S	92.04874	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-H-S	92.04874	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-H-S	92.04874	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-H-S	92.04874	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04874

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04875 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-I-S	92.04875	67641	140.	42.	UG/KG	6/09/92		Acetone
53-NW-I-S	92.04875	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-I-S	92.04875	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-I-S	92.04875	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-I-S	92.04875	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-I-S	92.04875	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-I-S	92.04875	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-I-S	92.04875	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-I-S	92.04875	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-I-S	92.04875	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-I-S	92.04875	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-I-S	92.04875	75150	11.	3.3	UG/KG	6/09/92		Carbon disulfide
53-NW-I-S	92.04875	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-I-S	92.04875	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-I-S	92.04875	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-I-S	92.04875	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-I-S	92.04875	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-I-S	92.04875	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-I-S	92.04875	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-I-S	92.04875	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-I-S	92.04875	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-I-S	92.04875	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-I-S	92.04875	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-I-S	92.04875	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-I-S	92.04875	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-I-S	92.04875	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-I-S	92.04875	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-I-S	92.04875	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-I-S	92.04875	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-I-S	92.04875	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-I-S	92.04875	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-I-S	92.04875	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-I-S	92.04875	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-I-S	92.04875	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-I-S	92.04875	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-I-S	92.04875	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-I-S	92.04875	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-I-S	92.04875	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-I-S	92.04875	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-I-S	92.04875	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-I-S	92.04875	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-I-S	92.04875	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-I-S	92.04875	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-I-S	92.04875	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-I-S	92.04875	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-I-S	92.04875	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-I-S	92.04875	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-I-S	92.04875	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-I-S	92.04875	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-I-S	92.04875	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-I-S	92.04875	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-I-S	92.04875	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-I-S	92.04875	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-I-S	92.04875	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-I-S	92.04875	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-I-S	92.04875	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-I-S	92.04875	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-I-S	92.04875	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-I-S	92.04875	95636	19.	5.7	UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-I-S	92.04875	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-I-S	92.04875	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-I-S	92.04875	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS		ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-I-S	92.04875	1330207		< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04875

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS		ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-I-S	92.04875	165	TI	120.		UG/KG	6/09/92		Saturated Hydrocarbons

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04876 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	67641	< 96.		UG/KG	6/09/92		Acetone
53-NW-J-S	92.04876	71432	< 24.		UG/KG	6/09/92		Benzene
53-NW-J-S	92.04876	108861	< 24.		UG/KG	6/09/92		Bromobenzene
53-NW-J-S	92.04876	74975	< 24.		UG/KG	6/09/92		Bromochloromethane
53-NW-J-S	92.04876	75274	< 24.		UG/KG	6/09/92		Bromodichloromethane
53-NW-J-S	92.04876	75252	< 24.		UG/KG	6/09/92		Bromoform
53-NW-J-S	92.04876	74839	< 48.		UG/KG	6/09/92		Bromomethane
53-NW-J-S	92.04876	78933	< 96.		UG/KG	6/09/92		2-Butanone
53-NW-J-S	92.04876	104518	< 24.		UG/KG	6/09/92		n-Butylbenzene
53-NW-J-S	92.04876	135988	< 24.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-J-S	92.04876	98066	< 24.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-J-S	92.04876	75150	< 24.		UG/KG	6/09/92		Carbon disulfide
53-NW-J-S	92.04876	56235	< 24.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-J-S	92.04876	108907	< 24.		UG/KG	6/09/92		Chlorobenzene
53-NW-J-S	92.04876	124481	< 24.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-J-S	92.04876	75003	< 48.		UG/KG	6/09/92		Chloroethane
53-NW-J-S	92.04876	67663	< 24.		UG/KG	6/09/92		Chloroform
53-NW-J-S	92.04876	74873	< 48.		UG/KG	6/09/92		Chloromethane
53-NW-J-S	92.04876	95498	< 24.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-J-S	92.04876	106434	< 24.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-J-S	92.04876	96128	< 48.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-J-S	92.04876	106934	< 24.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-J-S	92.04876	74953	< 24.		UG/KG	6/09/92		Dibromomethane
53-NW-J-S	92.04876	95501	< 24.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-J-S	92.04876	541731	< 24.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-J-S	92.04876	106467	< 24.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	75718	< 48.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-J-S	92.04876	75343	< 24.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-J-S	92.04876	107062	< 24.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-J-S	92.04876	75354	< 24.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-J-S	92.04876	156605	< 24.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-J-S	92.04876	156592	< 24.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-J-S	92.04876	78875	< 24.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-J-S	92.04876	142289	< 24.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-J-S	92.04876	594207	< 24.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-J-S	92.04876	563586	< 24.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-J-S	92.04876	10061015	< 24.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-J-S	92.04876	10061026	< 24.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-J-S	92.04876	100414	< 24.		UG/KG	6/09/92		Ethylbenzene
53-NW-J-S	92.04876	106934	< 24.		UG/KG	6/09/92		Ethylene dibromide
53-NW-J-S	92.04876	591786	< 96.		UG/KG	6/09/92		2-Hexanone
53-NW-J-S	92.04876	98828	< 24.		UG/KG	6/09/92		Isopropylbenzene
53-NW-J-S	92.04876	99876	< 24.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-J-S	92.04876	74884	< 24.		UG/KG	6/09/92		Methyl iodide
53-NW-J-S	92.04876	108101	< 96.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-J-S	92.04876	75092	< 24.		UG/KG	6/09/92		Methylene chloride
53-NW-J-S	92.04876	103651	< 24.		UG/KG	6/09/92		Propylbenzene
53-NW-J-S	92.04876	100425	< 24.		UG/KG	6/09/92		Styrene
53-NW-J-S	92.04876	630206	< 24.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-J-S	92.04876	79345	< 24.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-J-S	92.04876	127184	< 24.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-J-S	92.04876	108883	< 24.		UG/KG	6/09/92		Toluene
53-NW-J-S	92.04876	76131	< 24.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-J-S	92.04876	71556	< 24.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-J-S	92.04876	79005	< 24.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-J-S	92.04876	79016	< 24.		UG/KG	6/09/92		Trichloroethene
53-NW-J-S	92.04876	75694	< 24.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-J-S	92.04876	96184	< 24.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-J-S	92.04876	95636	< 24.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-J-S	92.04876	108678	< 24.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-J-S	92.04876	108054	< 48.		UG/KG	6/09/92		Vinyl acetate
53-NW-J-S	92.04876	75014	< 48.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	1330207	< 24.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04876

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.04876 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	71432	349.65	330.	UG/KG	6/10/92		Benzene
53-NW-J-S	92.04876	108907	349.65	270.	UG/KG	6/10/92		Chlorobenzene
53-NW-J-S	92.04876	75343	349.65	200.	UG/KG	6/10/92		1,1-Dichloroethane
53-NW-J-S	92.04876	108883	349.65	320.	UG/KG	6/10/92		Toluene
53-NW-J-S	92.04876	79016	349.65	160.	UG/KG	6/10/92		Trichloroethene

Matrix Spike Duplicate Results for Sample # 92.04876 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	71432	271.15	170.	UG/KG	6/10/92		Benzene
53-NW-J-S	92.04876	108907	271.15	160.	UG/KG	6/10/92		Chlorobenzene
53-NW-J-S	92.04876	75343	271.15	120.	UG/KG	6/10/92		1,1-Dichloroethane
53-NW-J-S	92.04876	108883	271.15	170.	UG/KG	6/10/92		Toluene
53-NW-J-S	92.04876	79016	271.15	77.	UG/KG	6/10/92		Trichloroethene

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04877 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-K-S	92.04877	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-K-S	92.04877	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-K-S	92.04877	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-K-S	92.04877	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-K-S	92.04877	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-K-S	92.04877	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-K-S	92.04877	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-K-S	92.04877	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-K-S	92.04877	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-K-S	92.04877	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-K-S	92.04877	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-K-S	92.04877	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-K-S	92.04877	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-K-S	92.04877	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-K-S	92.04877	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-K-S	92.04877	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-K-S	92.04877	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-K-S	92.04877	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-K-S	92.04877	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-K-S	92.04877	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-K-S	92.04877	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-K-S	92.04877	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-K-S	92.04877	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-K-S	92.04877	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-K-S	92.04877	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-K-S	92.04877	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-K-S	92.04877	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-K-S	92.04877	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-K-S	92.04877	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-K-S	92.04877	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-K-S	92.04877	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-K-S	92.04877	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-K-S	92.04877	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-K-S	92.04877	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-K-S	92.04877	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-K-S	92.04877	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-K-S	92.04877	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-K-S	92.04877	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-K-S	92.04877	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-K-S	92.04877	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-K-S	92.04877	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-K-S	92.04877	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-K-S	92.04877	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-K-S	92.04877	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-K-S	92.04877	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-K-S	92.04877	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-K-S	92.04877	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-K-S	92.04877	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-K-S	92.04877	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-K-S	92.04877	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-K-S	92.04877	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-K-S	92.04877	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-K-S	92.04877	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-K-S	92.04877	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-K-S	92.04877	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-K-S	92.04877	79016	< 5.		UG/KG	[illegible]		Trichloroethene
53-NW-K-S	92.04877	75694	< 5.		UG/KG	[illegible]		Trichlorofluoromethane
53-NW-K-S	92.04877	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-K-S	92.04877	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-K-S	92.04877	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-K-S	92.04877	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-K-S	92.04877	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-K-S	92.04877	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04877

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04878 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-L-S	92.04878	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-L-S	92.04878	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-L-S	92.04878	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-L-S	92.04878	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-L-S	92.04878	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-L-S	92.04878	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-L-S	92.04878	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-L-S	92.04878	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-L-S	92.04878	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-L-S	92.04878	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-L-S	92.04878	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-L-S	92.04878	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-L-S	92.04878	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-L-S	92.04878	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-L-S	92.04878	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-L-S	92.04878	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-L-S	92.04878	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-L-S	92.04878	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-L-S	92.04878	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-L-S	92.04878	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-L-S	92.04878	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-L-S	92.04878	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-L-S	92.04878	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-L-S	92.04878	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-L-S	92.04878	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-L-S	92.04878	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-L-S	92.04878	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-L-S	92.04878	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-L-S	92.04878	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-L-S	92.04878	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-L-S	92.04878	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-L-S	92.04878	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-L-S	92.04878	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-L-S	92.04878	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-L-S	92.04878	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-L-S	92.04878	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-L-S	92.04878	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-L-S	92.04878	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-L-S	92.04878	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-L-S	92.04878	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-L-S	92.04878	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-L-S	92.04878	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-L-S	92.04878	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-L-S	92.04878	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-L-S	92.04878	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-L-S	92.04878	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-L-S	92.04878	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-L-S	92.04878	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-L-S	92.04878	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-L-S	92.04878	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-L-S	92.04878	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-L-S	92.04878	108883	92.	27.6	UG/KG	6/09/92		Toluene
53-NW-L-S	92.04878	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-L-S	92.04878	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-L-S	92.04878	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-L-S	92.04878	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-L-S	92.04878	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-L-S	92.04878	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-L-S	92.04878	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-L-S	92.04878	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-L-S	92.04878	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-L-S	92.04878	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-L-S	92.04878	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04878

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04879 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/24/92 Date Analyzed: 4/24/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S	92.04879	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-N-S	92.04879	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-N-S	92.04879	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-N-S	92.04879	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-N-S	92.04879	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-N-S	92.04879	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-N-S	92.04879	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-N-S	92.04879	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-N-S	92.04879	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-N-S	92.04879	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-N-S	92.04879	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-N-S	92.04879	75150	21.	6.3	UG/KG	6/09/92		Carbon disulfide
53-NW-N-S	92.04879	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-N-S	92.04879	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-N-S	92.04879	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-N-S	92.04879	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-N-S	92.04879	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-N-S	92.04879	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-N-S	92.04879	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-N-S	92.04879	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-N-S	92.04879	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-N-S	92.04879	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-N-S	92.04879	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-N-S	92.04879	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-N-S	92.04879	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-N-S	92.04879	106467	< 5.		UG/KG	6/09/92		p-Dicnlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S	92.04879	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-N-S	92.04879	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-N-S	92.04879	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-N-S	92.04879	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-N-S	92.04879	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-N-S	92.04879	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-N-S	92.04879	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-N-S	92.04879	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-N-S	92.04879	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-N-S	92.04879	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-N-S	92.04879	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-N-S	92.04879	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-N-S	92.04879	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-N-S	92.04879	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-N-S	92.04879	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-N-S	92.04879	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-N-S	92.04879	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-N-S	92.04879	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-N-S	92.04879	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-N-S	92.04879	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-N-S	92.04879	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-N-S	92.04879	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-N-S	92.04879	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-N-S	92.04879	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-N-S	92.04879	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-N-S	92.04879	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-N-S	92.04879	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-N-S	92.04879	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-N-S	92.04879	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-N-S	92.04879	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-N-S	92.04879	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-N-S	92.04879	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-N-S	92.04879	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-N-S	92.04879	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-N-S	92.04879	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-N-S	92.04879	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S	92.04879	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04879

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04880 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-M-S	92.04880	67641	230.	69.	UG/KG	6/09/92		Acetone
53-NW-M-S	92.04880	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-M-S	92.04880	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-M-S	92.04880	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-M-S	92.04880	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-M-S	92.04880	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-M-S	92.04880	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-M-S	92.04880	78933	34.	10.2	UG/KG	6/09/92		2-Butanone
53-NW-M-S	92.04880	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-M-S	92.04880	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-M-S	92.04880	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-M-S	92.04880	75150	6.	1.8	UG/KG	6/09/92		Carbon disulfide
53-NW-M-S	92.04880	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-M-S	92.04880	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-M-S	92.04880	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-M-S	92.04880	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-M-S	92.04880	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-M-S	92.04880	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-M-S	92.04880	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-M-S	92.04880	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-M-S	92.04880	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-M-S	92.04880	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-M-S	92.04880	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-M-S	92.04880	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-M-S	92.04880	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-M-S	92.04880	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-M-S	92.04880	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-M-S	92.04880	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-M-S	92.04880	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-M-S	92.04880	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-M-S	92.04880	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-M-S	92.04880	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-M-S	92.04880	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-M-S	92.04880	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-M-S	92.04880	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-M-S	92.04880	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-M-S	92.04880	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-M-S	92.04880	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-M-S	92.04880	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-M-S	92.04880	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-M-S	92.04880	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-M-S	92.04880	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-M-S	92.04880	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-M-S	92.04880	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-M-S	92.04880	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-M-S	92.04880	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-M-S	92.04880	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-M-S	92.04880	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-M-S	92.04880	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-M-S	92.04880	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-M-S	92.04880	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-M-S	92.04880	108883	35.	10.5	UG/KG	6/09/92		Toluene
53-NW-M-S	92.04880	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-M-S	92.04880	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-M-S	92.04880	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-M-S	92.04880	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-M-S	92.04880	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-M-S	92.04880	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-M-S	92.04880	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-M-S	92.04880	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-M-S	92.04880	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-M-S	92.04880	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS		ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-M-S	92.04880	1330207		< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04880

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS		ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-M-S	92.04880	165	TI	68.		UG/KG	6/09/92		Saturated Hydrocarbons

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04881 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S-QA	92.04881	67641	110.	33.	UG/KG	6/09/92		Acetone
53-NW-N-S-QA	92.04881	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-N-S-QA	92.04881	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-N-S-QA	92.04881	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-N-S-QA	92.04881	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-N-S-QA	92.04881	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-N-S-QA	92.04881	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-N-S-QA	92.04881	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-N-S-QA	92.04881	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-N-S-QA	92.04881	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-N-S-QA	92.04881	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-N-S-QA	92.04881	75150	14.	4.2	UG/KG	6/09/92		Carbon disulfide
53-NW-N-S-QA	92.04881	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-N-S-QA	92.04881	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-N-S-QA	92.04881	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-N-S-QA	92.04881	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-N-S-QA	92.04881	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-N-S-QA	92.04881	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-N-S-QA	92.04881	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-N-S-QA	92.04881	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-N-S-QA	92.04881	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-N-S-QA	92.04881	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-N-S-QA	92.04881	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-N-S-QA	92.04881	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-N-S-QA	92.04881	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-N-S-QA	92.04881	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S-QA	92.04881	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-N-S-QA	92.04881	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-N-S-QA	92.04881	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-N-S-QA	92.04881	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-N-S-QA	92.04881	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-N-S-QA	92.04881	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-N-S-QA	92.04881	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-N-S-QA	92.04881	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-N-S-QA	92.04881	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-N-S-QA	92.04881	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-N-S-QA	92.04881	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-N-S-QA	92.04881	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-N-S-QA	92.04881	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-N-S-QA	92.04881	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-N-S-QA	92.04881	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-N-S-QA	92.04881	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-N-S-QA	92.04881	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-N-S-QA	92.04881	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-N-S-QA	92.04881	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-N-S-QA	92.04881	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-N-S-QA	92.04881	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-N-S-QA	92.04881	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-N-S-QA	92.04881	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-N-S-QA	92.04881	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-N-S-QA	92.04881	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-N-S-QA	92.04881	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-N-S-QA	92.04881	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-N-S-QA	92.04881	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-N-S-QA	92.04881	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-N-S-QA	92.04881	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-N-S-QA	92.04881	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-N-S-QA	92.04881	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-N-S-QA	92.04881	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-N-S-QA	92.04881	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-N-S-QA	92.04881	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-N-S-QA	92.04881	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S-QA	92.04881	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04881

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04882 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-0-S	92.04882	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-0-S	92.04882	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-0-S	92.04882	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-0-S	92.04882	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-0-S	92.04882	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-0-S	92.04882	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-0-S	92.04882	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-0-S	92.04882	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-0-S	92.04882	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-0-S	92.04882	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-0-S	92.04882	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-0-S	92.04882	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-0-S	92.04882	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-0-S	92.04882	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-0-S	92.04882	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-0-S	92.04882	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-0-S	92.04882	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-0-S	92.04882	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-0-S	92.04882	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-0-S	92.04882	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-0-S	92.04882	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-0-S	92.04882	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-0-S	92.04882	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-0-S	92.04882	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-0-S	92.04882	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-0-S	92.04882	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S	92.04882	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-O-S	92.04882	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-O-S	92.04882	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-O-S	92.04882	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-O-S	92.04882	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-O-S	92.04882	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-O-S	92.04882	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-O-S	92.04882	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-O-S	92.04882	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-O-S	92.04882	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-O-S	92.04882	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-O-S	92.04882	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-O-S	92.04882	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-O-S	92.04882	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-O-S	92.04882	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-O-S	92.04882	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-O-S	92.04882	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-O-S	92.04882	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-O-S	92.04882	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-O-S	92.04882	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-O-S	92.04882	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-O-S	92.04882	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-O-S	92.04882	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-O-S	92.04882	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-O-S	92.04882	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-O-S	92.04882	108883	61.	18.3	UG/KG	6/09/92		Toluene
53-NW-O-S	92.04882	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-O-S	92.04882	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-O-S	92.04882	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-O-S	92.04882	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-O-S	92.04882	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-O-S	92.04882	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-O-S	92.04882	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-O-S	92.04882	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-O-S	92.04882	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-O-S	92.04882	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S	92.04882	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04882

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04883 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/24/92 Date Analyzed: 4/24/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S-QA	92.04883	67641	< 20.		UG/KG	6/09/92	80-800 CURVE	Acetone
53-NW-O-S-QA	92.04883	71432	< 5.		UG/KG	6/09/92	80-800 CURVE	Benzene
53-NW-O-S-QA	92.04883	108861	< 5.		UG/KG	6/09/92	80-800 CURVE	Bromobenzene
53-NW-O-S-QA	92.04883	74975	< 5.		UG/KG	6/09/92	80-800 CURVE	Bromochloromethane
53-NW-O-S-QA	92.04883	75274	< 5.		UG/KG	6/09/92	80-800 CURVE	Bromodichloromethane
53-NW-O-S-QA	92.04883	75252	< 5.		UG/KG	6/09/92	80-800 CURVE	Bromoform
53-NW-O-S-QA	92.04883	74839	< 10.		UG/KG	6/09/92	80-800 CURVE	Bromomethane
53-NW-O-S-QA	92.04883	78933	< 20.		UG/KG	6/09/92	80-800 CURVE	2-Butanone
53-NW-O-S-QA	92.04883	104518	< 5.		UG/KG	6/09/92	80-800 CURVE	n-Butylbenzene
53-NW-O-S-QA	92.04883	135988	< 5.		UG/KG	6/09/92	80-800 CURVE	sec-Butylbenzene
53-NW-O-S-QA	92.04883	98066	< 5.		UG/KG	6/09/92	80-800 CURVE	tert-Butylbenzene
53-NW-O-S-QA	92.04883	75150	500.	150.	UG/KG	6/09/92	80-800 CURVE	Carbon disulfide
53-NW-O-S-QA	92.04883	56235	< 5.		UG/KG	6/09/92	80-800 CURVE	Carbon tetrachloride
53-NW-O-S-QA	92.04883	108907	< 5.		UG/KG	6/09/92	80-800 CURVE	Chlorobenzene
53-NW-O-S-QA	92.04883	124481	< 5.		UG/KG	6/09/92	80-800 CURVE	Chlorodibromomethane
53-NW-O-S-QA	92.04883	75003	< 10.		UG/KG	6/09/92	80-800 CURVE	Chloroethane
53-NW-O-S-QA	92.04883	67663	< 5.		UG/KG	6/09/92	80-800 CURVE	Chloroform
53-NW-O-S-QA	92.04883	74873	< 10.		UG/KG	6/09/92	80-800 CURVE	Chloromethane
53-NW-O-S-QA	92.04883	95498	< 5.		UG/KG	6/09/92	80-800 CURVE	o-Chlorotoluene
53-NW-O-S-QA	92.04883	106434	< 5.		UG/KG	6/09/92	80-800 CURVE	p-Chlorotoluene
53-NW-O-S-QA	92.04883	96128	< 10.		UG/KG	6/09/92	80-800 CURVE	1,2-Dibromo-3-chloropropane
53-NW-O-S-QA	92.04883	106934	< 5.		UG/KG	6/09/92	80-800 CURVE	1,2-Dibromoethane
53-NW-O-S-QA	92.04883	74953	< 5.		UG/KG	6/09/92	80-800 CURVE	Dibromomethane
53-NW-O-S-QA	92.04883	95501	< 5.		UG/KG	6/09/92	80-800 CURVE	o-Dichlorobenzene (1,2)
53-NW-O-S-QA	92.04883	541731	< 5.		UG/KG	6/09/92	80-800 CURVE	m-Dichlorobenzene (1,3)
53-NW-O-S-QA	92.04883	106467	< 5.		UG/KG	6/09/92	80-800 CURVE	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S-QA	92.04883	75718	< 10.		UG/KG	6/09/92	80-800 CURVE	Dichlorodifluoromethane
53-NW-O-S-QA	92.04883	75343	< 5.		UG/KG	6/09/92	80-800 CURVE	1,1-Dichloroethane
53-NW-O-S-QA	92.04883	107062	< 5.		UG/KG	6/09/92	80-800 CURVE	1,2-Dichloroethane
53-NW-O-S-QA	92.04883	75354	< 5.		UG/KG	6/09/92	80-800 CURVE	1,1-Dichloroethene
53-NW-O-S-QA	92.04883	156605	< 5.		UG/KG	6/09/92	80-800 CURVE	trans-1,2-Dichloroethene
53-NW-O-S-QA	92.04883	156592	< 5.		UG/KG	6/09/92	80-800 CURVE	cis-1,2-Dichloroethylene
53-NW-O-S-QA	92.04883	78875	< 5.		UG/KG	6/09/92	80-800 CURVE	1,2-Dichloropropane
53-NW-O-S-QA	92.04883	142289	< 5.		UG/KG	6/09/92	80-800 CURVE	1,3-Dichloropropane
53-NW-O-S-QA	92.04883	594207	< 5.		UG/KG	6/09/92	80-800 CURVE	2,2-Dichloropropane
53-NW-O-S-QA	92.04883	563586	< 5.		UG/KG	6/09/92	80-800 CURVE	1,1-Dichloropropene
53-NW-O-S-QA	92.04883	10061015	< 5.		UG/KG	6/09/92	80-800 CURVE	cis-1,3-Dichloropropene
53-NW-O-S-QA	92.04883	10061026	< 5.		UG/KG	6/09/92	80-800 CURVE	trans-1,3-Dichloropropene
53-NW-O-S-QA	92.04883	100414	< 5.		UG/KG	6/09/92	80-800 CURVE	Ethylbenzene
53-NW-O-S-QA	92.04883	106934	< 5.		UG/KG	6/09/92	80-800 CURVE	Ethylene dibromide
53-NW-O-S-QA	92.04883	591786	< 20.		UG/KG	6/09/92	80-800 CURVE	2-Hexanone
53-NW-O-S-QA	92.04883	98828	< 5.		UG/KG	6/09/92	80-800 CURVE	Isopropylbenzene
53-NW-O-S-QA	92.04883	99876	< 5.		UG/KG	6/09/92	80-800 CURVE	4-Isopropyltoluene
53-NW-O-S-QA	92.04883	74884	< 5.		UG/KG	6/09/92	80-800 CURVE	Methyl iodide
53-NW-O-S-QA	92.04883	108101	< 20.		UG/KG	6/09/92	80-800 CURVE	4-Methyl-2-pentanone
53-NW-O-S-QA	92.04883	75092	< 5.		UG/KG	6/09/92	80-800 CURVE	Methylene chloride
53-NW-O-S-QA	92.04883	103651	< 5.		UG/KG	6/09/92	80-800 CURVE	Propylbenzene
53-NW-O-S-QA	92.04883	100425	< 5.		UG/KG	6/09/92	80-800 CURVE	Styrene
53-NW-O-S-QA	92.04883	630206	< 5.		UG/KG	6/09/92	80-800 CURVE	1,1,1,2-Tetrachloroethane
53-NW-O-S-QA	92.04883	79345	< 5.		UG/KG	6/09/92	80-800 CURVE	1,1,2,2-Tetrachloroethane
53-NW-O-S-QA	92.04883	127184	< 5.		UG/KG	6/09/92	80-800 CURVE	Tetrachloroethylene
53-NW-O-S-QA	92.04883	108883	200.	60.	UG/KG	6/09/92	80-800 CURVE	Toluene
53-NW-O-S-QA	92.04883	76131	< 5.		UG/KG	6/09/92	80-800 CURVE	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-O-S-QA	92.04883	71556	< 5.		UG/KG	6/09/92	80-800 CURVE	1,1,1-Trichloroethane
53-NW-O-S-QA	92.04883	79005	< 5.		UG/KG	6/09/92	80-800 CURVE	1,1,2-Trichloroethane
53-NW-O-S-QA	92.04883	79016	< 5.		UG/KG	6/09/92	80-800 CURVE	Trichloroethene
53-NW-O-S-QA	92.04883	75694	< 5.		UG/KG	6/09/92	80-800 CURVE	Trichlorofluoromethane
53-NW-O-S-QA	92.04883	96184	< 5.		UG/KG	6/09/92	80-800 CURVE	1,2,3-Trichloropropane
53-NW-O-S-QA	92.04883	95636	< 5.		UG/KG	6/09/92	80-800 CURVE	1,2,4-Trimethylbenzene
53-NW-O-S-QA	92.04883	108678	< 5.		UG/KG	6/09/92	80-800 CURVE	1,3,5-Trimethylbenzene
53-NW-O-S-QA	92.04883	108054	< 10.		UG/KG	6/09/92	80-800 CURVE	Vinyl acetate
53-NW-O-S-QA	92.04883	75014	< 10.		UG/KG	6/09/92	80-800 CURVE	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S-QA	92.04883	1330207	< 5.		UG/KG	6/09/92	80-800 CURVE	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04883

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04963 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/22/92 Date Analyzed: 4/22/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-TP BLK	92.04963	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-TP BLK	92.04963	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-TP BLK	92.04963	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-TP BLK	92.04963	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-TP BLK	92.04963	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-TP BLK	92.04963	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-TP BLK	92.04963	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-TP BLK	92.04963	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-TP BLK	92.04963	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-TP BLK	92.04963	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-TP BLK	92.04963	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-TP BLK	92.04963	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-TP BLK	92.04963	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-TP BLK	92.04963	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-TP BLK	92.04963	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-TP BLK	92.04963	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-TP BLK	92.04963	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-TP BLK	92.04963	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-TP BLK	92.04963	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-TP BLK	92.04963	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-TP BLK	92.04963	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-TP BLK	92.04963	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-TP BLK	92.04963	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-TP BLK	92.04963	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-TP BLK	92.04963	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-TP BLK	92.04963	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-TP BLK	92.04963	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-TP BLK	92.04963	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-TP BLK	92.04963	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-TP BLK	92.04963	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-TP BLK	92.04963	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-TP BLK	92.04963	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-TP BLK	92.04963	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-TP BLK	92.04963	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-TP BLK	92.04963	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-TP BLK	92.04963	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-TP BLK	92.04963	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-TP BLK	92.04963	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-TP BLK	92.04963	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-TP BLK	92.04963	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-TP BLK	92.04963	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-TP BLK	92.04963	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-TP BLK	92.04963	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-TP BLK	92.04963	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-TP BLK	92.04963	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-TP BLK	92.04963	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-TP BLK	92.04963	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-TP BLK	92.04963	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-TP BLK	92.04963	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-TP BLK	92.04963	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-TP BLK	92.04963	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-TP BLK	92.04963	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-TP BLK	92.04963	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-TP BLK	92.04963	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-TP BLK	92.04963	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-TP BLK	92.04963	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-TP BLK	92.04963	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-TP BLK	92.04963	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-TP BLK	92.04963	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-TP BLK	92.04963	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-TP BLK	92.04963	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-TP BLK	92.04963	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-TP BLK	92.04963	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04963

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS		ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-TP BLK	92.04963	5074715	TI	15.		UG/KG	6/09/92		Bis(pentafluorophenyl)phenylphosphine

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05219 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-CBS-S	92.05219	67641	< 20.		UG/KG	6/09/92		Acetone
53-NW-CBS-S	92.05219	71432	< 5.		UG/KG	6/09/92		Benzene
53-NW-CBS-S	92.05219	108861	< 5.		UG/KG	6/09/92		Bromobenzene
53-NW-CBS-S	92.05219	74975	< 5.		UG/KG	6/09/92		Bromochloromethane
53-NW-CBS-S	92.05219	75274	< 5.		UG/KG	6/09/92		Bromodichloromethane
53-NW-CBS-S	92.05219	75252	< 5.		UG/KG	6/09/92		Bromoform
53-NW-CBS-S	92.05219	74839	< 10.		UG/KG	6/09/92		Bromomethane
53-NW-CBS-S	92.05219	78933	< 20.		UG/KG	6/09/92		2-Butanone
53-NW-CBS-S	92.05219	104518	< 5.		UG/KG	6/09/92		n-Butylbenzene
53-NW-CBS-S	92.05219	135988	< 5.		UG/KG	6/09/92		sec-Butylbenzene
53-NW-CBS-S	92.05219	98066	< 5.		UG/KG	6/09/92		tert-Butylbenzene
53-NW-CBS-S	92.05219	75150	< 5.		UG/KG	6/09/92		Carbon disulfide
53-NW-CBS-S	92.05219	56235	< 5.		UG/KG	6/09/92		Carbon tetrachloride
53-NW-CBS-S	92.05219	108907	< 5.		UG/KG	6/09/92		Chlorobenzene
53-NW-CBS-S	92.05219	124481	< 5.		UG/KG	6/09/92		Chlorodibromomethane
53-NW-CBS-S	92.05219	75003	< 10.		UG/KG	6/09/92		Chloroethane
53-NW-CBS-S	92.05219	67663	< 5.		UG/KG	6/09/92		Chloroform
53-NW-CBS-S	92.05219	74873	< 10.		UG/KG	6/09/92		Chloromethane
53-NW-CBS-S	92.05219	95498	< 5.		UG/KG	6/09/92		o-Chlorotoluene
53-NW-CBS-S	92.05219	106434	< 5.		UG/KG	6/09/92		p-Chlorotoluene
53-NW-CBS-S	92.05219	96128	< 10.		UG/KG	6/09/92		1,2-Dibromo-3-chloropropane
53-NW-CBS-S	92.05219	106934	< 5.		UG/KG	6/09/92		1,2-Dibromoethane
53-NW-CBS-S	92.05219	74953	< 5.		UG/KG	6/09/92		Dibromomethane
53-NW-CBS-S	92.05219	95501	< 5.		UG/KG	6/09/92		o-Dichlorobenzene (1,2)
53-NW-CBS-S	92.05219	541731	< 5.		UG/KG	6/09/92		m-Dichlorobenzene (1,3)
53-NW-CBS-S	92.05219	106467	< 5.		UG/KG	6/09/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-CBS-S	92.05219	75718	< 10.		UG/KG	6/09/92		Dichlorodifluoromethane
53-NW-CBS-S	92.05219	75343	< 5.		UG/KG	6/09/92		1,1-Dichloroethane
53-NW-CBS-S	92.05219	107062	< 5.		UG/KG	6/09/92		1,2-Dichloroethane
53-NW-CBS-S	92.05219	75354	< 5.		UG/KG	6/09/92		1,1-Dichloroethene
53-NW-CBS-S	92.05219	156605	< 5.		UG/KG	6/09/92		trans-1,2-Dichloroethene
53-NW-CBS-S	92.05219	156592	< 5.		UG/KG	6/09/92		cis-1,2-Dichloroethylene
53-NW-CBS-S	92.05219	78875	< 5.		UG/KG	6/09/92		1,2-Dichloropropane
53-NW-CBS-S	92.05219	142289	< 5.		UG/KG	6/09/92		1,3-Dichloropropane
53-NW-CBS-S	92.05219	594207	< 5.		UG/KG	6/09/92		2,2-Dichloropropane
53-NW-CBS-S	92.05219	563586	< 5.		UG/KG	6/09/92		1,1-Dichloropropene
53-NW-CBS-S	92.05219	10061015	< 5.		UG/KG	6/09/92		cis-1,3-Dichloropropene
53-NW-CBS-S	92.05219	10061026	< 5.		UG/KG	6/09/92		trans-1,3-Dichloropropene
53-NW-CBS-S	92.05219	100414	< 5.		UG/KG	6/09/92		Ethylbenzene
53-NW-CBS-S	92.05219	106934	< 5.		UG/KG	6/09/92		Ethylene dibromide
53-NW-CBS-S	92.05219	591786	< 20.		UG/KG	6/09/92		2-Hexanone
53-NW-CBS-S	92.05219	98828	< 5.		UG/KG	6/09/92		Isopropylbenzene
53-NW-CBS-S	92.05219	99876	< 5.		UG/KG	6/09/92		4-Isopropyltoluene
53-NW-CBS-S	92.05219	74884	< 5.		UG/KG	6/09/92		Methyl iodide
53-NW-CBS-S	92.05219	108101	< 20.		UG/KG	6/09/92		4-Methyl-2-pentanone
53-NW-CBS-S	92.05219	75092	< 5.		UG/KG	6/09/92		Methylene chloride
53-NW-CBS-S	92.05219	103651	< 5.		UG/KG	6/09/92		Propylbenzene
53-NW-CBS-S	92.05219	100425	< 5.		UG/KG	6/09/92		Styrene
53-NW-CBS-S	92.05219	630206	< 5.		UG/KG	6/09/92		1,1,1,2-Tetrachloroethane
53-NW-CBS-S	92.05219	79345	< 5.		UG/KG	6/09/92		1,1,2,2-Tetrachloroethane
53-NW-CBS-S	92.05219	127184	< 5.		UG/KG	6/09/92		Tetrachloroethylene
53-NW-CBS-S	92.05219	108883	< 5.		UG/KG	6/09/92		Toluene
53-NW-CBS-S	92.05219	76131	< 5.		UG/KG	6/09/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-CBS-S	92.05219	71556	< 5.		UG/KG	6/09/92		1,1,1-Trichloroethane
53-NW-CBS-S	92.05219	79005	< 5.		UG/KG	6/09/92		1,1,2-Trichloroethane
53-NW-CBS-S	92.05219	79016	< 5.		UG/KG	6/09/92		Trichloroethene
53-NW-CBS-S	92.05219	75694	< 5.		UG/KG	6/09/92		Trichlorofluoromethane
53-NW-CBS-S	92.05219	96184	< 5.		UG/KG	6/09/92		1,2,3-Trichloropropane
53-NW-CBS-S	92.05219	95636	< 5.		UG/KG	6/09/92		1,2,4-Trimethylbenzene
53-NW-CBS-S	92.05219	108678	< 5.		UG/KG	6/09/92		1,3,5-Trimethylbenzene
53-NW-CBS-S	92.05219	108054	< 10.		UG/KG	6/09/92		Vinyl acetate
53-NW-CBS-S	92.05219	75014	< 10.		UG/KG	6/09/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-CBS-S	92.05219	1330207	< 5.		UG/KG	6/09/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05219

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA VOLATILES Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.04953 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04953	67641	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	Acetone
00.20227	92.04953	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
00.20227	92.04953	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
00.20227	92.04953	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
00.20227	92.04953	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.04953	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
00.20227	92.04953	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
00.20227	92.04953	78933	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Butanone
00.20227	92.04953	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.04953	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.04953	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.04953	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
00.20227	92.04953	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.04953	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
00.20227	92.04953	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.04953	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
00.20227	92.04953	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
00.20227	92.04953	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
00.20227	92.04953	95498	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.04953	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.04953	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04953	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.04953	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
00.20227	92.04953	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.04953	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.04953	106467	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.04953	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.04953	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.04953	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.04953	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.04953	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.04953	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.04953	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.04953	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.04953	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.04953	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.04953	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.04953	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.04953	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
00.20227	92.04953	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.04953	591786	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Hexanone
00.20227	92.04953	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.04953	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.04953	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
00.20227	92.04953	108101	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.04953	75092	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methylene chloride
00.20227	92.04953	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
00.20227	92.04953	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
00.20227	92.04953	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.04953	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.04953	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.04953	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
00.20227	92.04953	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.04953	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.04953	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.04953	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
00.20227	92.04953	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04953	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.04953	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.04953	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.04953	108054	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl acetate
00.20227	92.04953	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
00.20227	92.04953	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.04954 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04954	67641	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	Acetone
00.20227	92.04954	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
00.20227	92.04954	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
00.20227	92.04954	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
00.20227	92.04954	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.04954	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
00.20227	92.04954	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
00.20227	92.04954	78933	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Butanone
00.20227	92.04954	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.04954	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.04954	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.04954	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
00.20227	92.04954	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.04954	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
00.20227	92.04954	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04954	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
00.20227	92.04954	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
00.20227	92.04954	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
00.20227	92.04954	95498	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.04954	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.04954	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.04954	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.04954	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
00.20227	92.04954	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.04954	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.04954	106467	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.04954	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.04954	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.04954	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.04954	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.04954	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.04954	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.04954	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.04954	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.04954	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.04954	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.04954	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.04954	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.04954	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
00.20227	92.04954	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.04954	591786	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Hexanone
00.20227	92.04954	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.04954	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.04954	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
00.20227	92.04954	108101	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.04954	75092	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methylene chloride
00.20227	92.04954	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
00.20227	92.04954	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
00.20227	92.04954	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.04954	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.04954	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04954	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
00.20227	92.04954	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.04954	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.04954	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.04954	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
00.20227	92.04954	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.04954	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.04954	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.04954	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.04954	108054	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl acetate
00.20227	92.04954	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
00.20227	92.04954	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.04955 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04955	67641	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	Acetone
00.20227	92.04955	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
00.20227	92.04955	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
00.20227	92.04955	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
00.20227	92.04955	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.04955	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
00.20227	92.04955	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
00.20227	92.04955	78933	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Butanone
00.20227	92.04955	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04955	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.04955	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.04955	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
00.20227	92.04955	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.04955	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
00.20227	92.04955	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.04955	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
00.20227	92.04955	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
00.20227	92.04955	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
00.20227	92.04955	95498	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.04955	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.04955	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.04955	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.04955	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
00.20227	92.04955	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.04955	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.04955	106467	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.04955	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.04955	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.04955	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.04955	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.04955	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.04955	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.04955	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.04955	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.04955	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.04955	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.04955	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.04955	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.04955	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
00.20227	92.04955	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.04955	591786	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Hexanone
00.20227	92.04955	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.04955	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.04955	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
00.20227	92.04955	108101	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Methyl-2-pentanone

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04955	75092	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methylene chloride
00.20227	92.04955	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
00.20227	92.04955	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
00.20227	92.04955	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.04955	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.04955	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.04955	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
00.20227	92.04955	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.04955	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.04955	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.04955	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
00.20227	92.04955	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.04955	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.04955	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.04955	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.04955	108054	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl acetate
00.20227	92.04955	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
00.20227	92.04955	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.04956 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04956	67641	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	Acetone
00.20227	92.04956	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
00.20227	92.04956	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04956	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
00.20227	92.04956	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.04956	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
00.20227	92.04956	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
00.20227	92.04956	78933	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Butanone
00.20227	92.04956	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.04956	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.04956	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.04956	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
00.20227	92.04956	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.04956	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
00.20227	92.04956	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.04956	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
00.20227	92.04956	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
00.20227	92.04956	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
00.20227	92.04956	95498	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.04956	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.04956	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.04956	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.04956	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
00.20227	92.04956	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.04956	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.04956	106467	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.04956	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.04956	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.04956	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.04956	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.04956	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.04956	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.04956	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.04956	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.04956	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.04956	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.04956	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.04956	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.04956	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04956	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.04956	591786	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Hexanone
00.20227	92.04956	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.04956	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.04956	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
00.20227	92.04956	108101	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.04956	75092	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methylene chloride
00.20227	92.04956	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
00.20227	92.04956	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
00.20227	92.04956	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.04956	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.04956	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.04956	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
00.20227	92.04956	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.04956	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.04956	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.04956	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
00.20227	92.04956	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.04956	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.04956	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.04956	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.04956	108054	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl acetate
00.20227	92.04956	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
00.20227	92.04956	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.06566 Date Collected: 5/13/92 Date Received: 5/13/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.06566	67641	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	Acetone

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.06566	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
00.20227	92.06566	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
00.20227	92.06566	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
00.20227	92.06566	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.06566	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
00.20227	92.06566	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
00.20227	92.06566	78933	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Butanone
00.20227	92.06566	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.06566	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.06566	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.06566	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
00.20227	92.06566	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.06566	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
00.20227	92.06566	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.06566	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
00.20227	92.06566	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
00.20227	92.06566	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
00.20227	92.06566	95498	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.06566	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.06566	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.06566	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.06566	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
00.20227	92.06566	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.06566	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.06566	106467	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.06566	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.06566	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.06566	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.06566	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.06566	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.06566	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.06566	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.06566	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.06566	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.06566	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.06566	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene

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CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.06566	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.06566	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
00.20227	92.06566	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.06566	591786	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Hexanone
00.20227	92.06566	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.06566	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.06566	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
00.20227	92.06566	108101	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.06566	75092	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methylene chloride
00.20227	92.06566	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
00.20227	92.06566	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
00.20227	92.06566	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.06566	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.06566	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.06566	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
00.20227	92.06566	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.06566	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.06566	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.06566	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
00.20227	92.06566	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.06566	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.06566	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.06566	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.06566	108054	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl acetate
00.20227	92.06566	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
00.20227	92.06566	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.06567 Date Collected: 5/13/92 Date Received: 5/13/92 Date Extracted: 4/25/92 Date Analyzed: 4/25/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.06567	67641	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	Acetone

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CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.06567	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
00.20227	92.06567	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
00.20227	92.06567	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
00.20227	92.06567	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.06567	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
00.20227	92.06567	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
00.20227	92.06567	78933	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Butanone
00.20227	92.06567	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.06567	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.06567	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.06567	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
00.20227	92.06567	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.06567	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
00.20227	92.06567	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.06567	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
00.20227	92.06567	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
00.20227	92.06567	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
00.20227	92.06567	95498	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.06567	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.06567	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.06567	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.06567	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
00.20227	92.06567	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.06567	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.06567	106467	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.06567	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.06567	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.06567	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.06567	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.06567	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.06567	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.06567	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.06567	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.06567	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.06567	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.06567	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.06567	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.06567	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
00.20227	92.06567	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.06567	591786	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Hexanone
00.20227	92.06567	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.06567	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.06567	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
00.20227	92.06567	108101	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.06567	75092	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methylene chloride
00.20227	92.06567	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
00.20227	92.06567	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
00.20227	92.06567	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.06567	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.06567	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.06567	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
00.20227	92.06567	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.06567	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.06567	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.06567	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
00.20227	92.06567	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.06567	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.06567	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.06567	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.06567	108054	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl acetate
00.20227	92.06567	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
00.20227	92.06567	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.04951 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.04951	67641	79.	23.7	UG/KG	140.	14.	6/09/92	WARNING 2-3 SIG	Acetone
92.04951	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
92.04951	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
92.04951	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
92.04951	75274	150.	45.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	Bromodichloromethane
92.04951	75252	160.	48.	UG/KG	170.	17.	6/09/92	UNDER CONTROL	Bromoform
92.04951	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
92.04951	78933	82.	24.6	UG/KG	150.	15.	6/09/92	WARNING 2-3 SIG	2-Butanone
92.04951	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
92.04951	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
92.04951	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
92.04951	75150	150.	45.	UG/KG	170.	17.	6/09/92	UNDER CONTROL	Carbon disulfide
92.04951	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
92.04951	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
92.04951	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane
92.04951	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
92.04951	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
92.04951	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
92.04951	95498	110.	33.	UG/KG	130.	13.	6/09/92	UNDER CONTROL	o-Chlorotoluene
92.04951	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
92.04951	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.04951	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
92.04951	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
92.04951	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.04951	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.04951	106467	85.	25.5	UG/KG	130.	13.	6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)

92.04951	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
92.04951	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
92.04951	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
92.04951	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
92.04951	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.04951	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.04951	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
92.04951	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
92.04951	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
92.04951	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
92.04951	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.04951	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.04951	100414	140.	42.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	Ethylbenzene
92.04951	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
92.04951	591786	72.	21.6	UG/KG	130.	13.	6/09/92	WARNING 2-3 SIG	2-Hexanone
92.04951	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
92.04951	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
92.04951	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
92.04951	108101	100.	30.	UG/KG	140.	14.	6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
92.04951	75092	110.	33.	UG/KG	150.	15.	6/09/92	UNDER CONTROL	Methylene chloride
92.04951	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
92.04951	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
92.04951	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
92.04951	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.04951	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
92.04951	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
92.04951	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.04951	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
92.04951	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
92.04951	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
92.04951	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
92.04951	96184	140.	42.	UG/KG	170.	17.	6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
92.04951	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.04951	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.04951	108054	< 10.		UG/KG	140.	14.	6/09/92	OUT OF CONTROL	Vinyl acetate
92.04951	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
92.04951	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blind QC Results, Sample # 92.04952 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

92.04952	67641	100.	30.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	Acetone
92.04952	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
92.04952	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
92.04952	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane

92.04952	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
92.04952	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
92.04952	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
92.04952	78933	110.	33.	UG/KG	170.	17.	6/09/92	UNDER CONTROL	2-Butanone
92.04952	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
92.04952	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
92.04952	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
92.04952	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
92.04952	56235	160.	48.	UG/KG	150.	15.	6/09/92	UNDER CONTROL	Carbon tetrachloride
92.04952	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
92.04952	124481	110.	33.	UG/KG	120.	12.	6/09/92	UNDER CONTROL	Chlorodibromomethane
92.04952	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
92.04952	67663	110.	33.	UG/KG	120.	12.	6/09/92	UNDER CONTROL	Chloroform
92.04952	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
92.04952	95498	120.	36.	UG/KG	140.	14.	6/09/92	UNDER CONTROL	o-Chlorotoluene
92.04952	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
92.04952	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.04952	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
92.04952	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
92.04952	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.04952	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.04952	106467	97.	29.1	UG/KG	140.	14.	6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
92.04952	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
92.04952	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
92.04952	107062	99.	29.7	UG/KG	110.	11.	6/09/92	UNDER CONTROL	1,2-Dichloroethane
92.04952	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
92.04952	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.04952	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.04952	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
92.04952	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
92.04952	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
92.04952	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
92.04952	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.04952	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.04952	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
92.04952	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
92.04952	591786	86.	25.8	UG/KG	140.	14.	6/09/92	UNDER CONTROL	2-Hexanone
92.04952	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
92.04952	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
92.04952	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
92.04952	108101	130.	39.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
92.04952	75092	130.	39.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	Methylene chloride
92.04952	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
92.04952	100425	98.	29.4	UG/KG	120.	12.	6/09/92	UNDER CONTROL	Styrene
92.04952	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane

92.04952	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.04952	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
92.04952	108883	100.	30.	UG/KG	120.	12.	6/09/92	UNDER CONTROL	Toluene
92.04952	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.04952	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
92.04952	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
92.04952	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
92.04952	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
92.04952	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
92.04952	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.04952	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.04952	108054	< 10.		UG/KG	160.	16.	6/09/92	OUT OF CONTROL	Vinyl acetate
92.04952	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
92.04952	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blind QC Results, Sample # 92.05107 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

92.05107	67641	59.	17.7	UG/KG	160.	16.	6/10/92	OUT OF CONTROL	Acetone
92.05107	71432	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Benzene
92.05107	108861	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromobenzene
92.05107	74975	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromochloromethane
92.05107	75274	110.	33.	UG/KG	124.	12.	6/10/92	UNDER CONTROL	Bromodichloromethane
92.05107	75252	100.	30.	UG/KG	132.	13.	6/10/92	UNDER CONTROL	Bromoform
92.05107	74839	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromomethane
92.05107	78933	80.	24.	UG/KG	170.	17.	6/10/92	OUT OF CONTROL	2-Butanone
92.05107	104518	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	n-Butylbenzene
92.05107	135988	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	sec-Butylbenzene
92.05107	98066	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	tert-Butylbenzene
92.05107	75150	120.	36.	UG/KG	126.	13.	6/10/92	UNDER CONTROL	Carbon disulfide
92.05107	56235	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Carbon tetrachloride
92.05107	108907	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chlorobenzene
92.05107	124481	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chlorodibromomethane
92.05107	75003	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloroethane
92.05107	67663	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloroform
92.05107	74873	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloromethane
92.05107	95498	97.	29.1	UG/KG	143.	14.	6/10/92	UNDER CONTROL	o-Chlorotoluene
92.05107	106434	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	p-Chlorotoluene
92.05107	96128	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.05107	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromoethane
92.05107	74953	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dibromomethane
92.05107	95501	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05107	541731	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05107	106467	61.	18.3	UG/KG	140.	14.	6/10/92	OUT OF CONTROL	p-Dichlorobenzene (1,4)
92.05107	75718	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dichlorodifluoromethane

92.05107	75343	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethane
92.05107	107062	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dichloroethane
92.05107	75354	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethene
92.05107	156605	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.05107	156592	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.05107	78875	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dichloropropane
92.05107	142289	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3-Dichloropropane
92.05107	594207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	2,2-Dichloropropane
92.05107	563586	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloropropene
92.05107	10061015	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.05107	10061026	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.05107	100414	84.	25.2	UG/KG	122.	12.	6/10/92	UNDER CONTROL	Ethylbenzene
92.05107	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Ethylene dibromide
92.05107	591786	89.	26.7	UG/KG	144.	14.	6/10/92	UNDER CONTROL	2-Hexanone
92.05107	98828	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Isopropylbenzene
92.05107	99876	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	4-Isopropyltoluene
92.05107	74884	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Methyl iodide
92.05107	108101	100.	30.	UG/KG	158.	16.	6/10/92	UNDER CONTROL	4-Methyl-2-pentanone
92.05107	75092	130.	39.	UG/KG	162.	16.	6/10/92	UNDER CONTROL	Methylene chloride
92.05107	103651	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Propylbenzene
92.05107	100425	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Styrene
92.05107	630206	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
92.05107	79345	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.05107	127184	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Tetrachloroethylene
92.05107	108883	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Toluene
92.05107	76131	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.05107	71556	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1-Trichloroethane
92.05107	79005	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloroethane
92.05107	79016	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichloroethene
92.05107	75694	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichlorofluoromethane
92.05107	96184	110.	33.	UG/KG	132.	13.	6/10/92	UNDER CONTROL	1,2,3-Trichloropropane
92.05107	95636	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.05107	108678	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.05107	108054	49.	14.7	UG/KG	160.	16.	6/10/92	OUT OF CONTROL	Vinyl acetate
92.05107	75014	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Vinyl chloride
92.05107	1330207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blind QC Results, Sample # 92.05108 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

92.05108	67641	84.	25.2	UG/KG	131.	13.	6/10/92	UNDER CONTROL	Acetone
92.05108	71432	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Benzene
92.05108	108861	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromobenzene
92.05108	74975	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromochloromethane
92.05108	75274	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromodichloromethane

92.05108	75252	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromoform
92.05108	74839	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromomethane
92.05108	78933	110.	33.	UG/KG	140.	14.	6/10/92	UNDER CONTROL	2-Butanone
92.05108	104518	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	n-Butylbenzene
92.05108	135988	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	sec-Butylbenzene
92.05108	98066	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	tert-Butylbenzene
92.05108	75150	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Carbon disulfide
92.05108	56235	190.	57.	UG/KG	183.	18.	6/10/92	UNDER CONTROL	Carbon tetrachloride
92.05108	108907	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chlorobenzene
92.05108	124481	130.	39.	UG/KG	137.	14.	6/10/92	UNDER CONTROL	Chlorodibromomethane
92.05108	75003	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloroethane
92.05108	67663	130.	39.	UG/KG	183.	18.	6/10/92	UNDER CONTROL	Chloroform
92.05108	74873	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloromethane
92.05108	95498	93.	27.9	UG/KG	117.	12.	6/10/92	UNDER CONTROL	o-Chlorotoluene
92.05108	106434	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	p-Chlorotoluene
92.05108	96128	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.05108	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromoethane
92.05108	74953	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dibromomethane
92.05108	95501	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05108	541731	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05108	106467	62.	18.6	UG/KG	114.	11.	6/10/92	WARNING 2-3 SIG	p-Dichlorobenzene (1,4)
92.05108	75718	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dichlorodifluoromethane
92.05108	75343	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethane
92.05108	107062	130.	39.	UG/KG	137.	14.	6/10/92	UNDER CONTROL	1,2-Dichloroethane
92.05108	75354	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethene
92.05108	156605	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.05108	156592	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.05108	78875	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dichloropropane
92.05108	142289	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3-Dichloropropane
92.05108	594207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	2,2-Dichloropropane
92.05108	563586	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloropropene
92.05108	10061015	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.05108	10061026	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.05108	100414	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Ethylbenzene
92.05108	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Ethylene dibromide
92.05108	591786	120.	36.	UG/KG	118.	12.	6/10/92	UNDER CONTROL	2-Hexanone
92.05108	98828	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Isopropylbenzene
92.05108	99876	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	4-Isopropyltoluene
92.05108	74884	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Methyl iodide
92.05108	108101	130.	39.	UG/KG	130.	13.	6/10/92	UNDER CONTROL	4-Methyl-2-pentanone
92.05108	75092	120.	36.	UG/KG	133.	13.	6/10/92	UNDER CONTROL	Methylene chloride
92.05108	103651	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Propylbenzene
92.05108	100425	110.	33.	UG/KG	144.	14.	6/10/92	UNDER CONTROL	Styrene
92.05108	630206	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
92.05108	79345	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane

92.05108	127184	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Tetrachloroethylene
92.05108	108883	120.	36.	UG/KG	138.	14.	6/10/92	UNDER CONTROL	Toluene
92.05108	76131	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.05108	71556	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1-Trichloroethane
92.05108	79005	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloroethane
92.05108	79016	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichloroethene
92.05108	75694	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichlorofluoromethane
92.05108	96184	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2,3-Trichloropropane
92.05108	95636	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.05108	108678	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.05108	108054	67.	20.1	UG/KG	131.	13.	6/10/92	WARNING 2-3 SIG	Vinyl acetate
92.05108	75014	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Vinyl chloride
92.05108	1330207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA VOLATILES

Surrogate 1 = 1,2-Dichloroethane d4 (CAS # = 17060070)
Surrogate 2 = Toluene d8 (CAS # = 2037265)
Surrogate 3 = 4-Bromofluorobenzene (CAS # = 460004)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	COMPLETION DATE	SAMPLE TYPE
92.04867	%	95.82	95.08	103.56	9-Jun-1992	
92.04868	%	107.46	103.32	149.86	9-Jun-1992	
92.04869	%	97.74	99.42	114.26	9-Jun-1992	
92.04870	%	99.16	95.4	117.2	9-Jun-1992	
92.04871	%	100.42	102.4	129.7	9-Jun-1992	
92.04872	%	99.16	98.84	129.6	9-Jun-1992	
92.04873	%	98.78	98.2	111.34	9-Jun-1992	
92.04874	%	101.48	101.34	110.8	9-Jun-1992	
92.04875	%	82.56	91.94	165.12	9-Jun-1992	
92.04876	%	110.6	102.82	97.3	9-Jun-1992	
92.04876	%	101.12	106.62	103.5	10-Jun-1992	MS
92.04876	%	100.36	105.14	110.28	10-Jun-1992	MSD
92.04877	%	92.74	93.66	114.14	9-Jun-1992	
92.04878	%	105.26	103.94	115.2	9-Jun-1992	
92.04879	%	100.22	98.68	119.84	9-Jun-1992	
92.04880	%	99.72	97.34	144.86	9-Jun-1992	
92.04881	%	105.9	101.26	119.44	9-Jun-1992	
92.04882	%	107.18	100.	109.32	9-Jun-1992	
92.04883	%	108.68	98.08	96.62	9-Jun-1992	
92.04951	%	86.14	95.2	98.8	9-Jun-1992	
92.04952	%	87.98	97.6	96.78	9-Jun-1992	
92.04953	%	88.74	99.44	101.86	9-Jun-1992	B
92.04954	%	95.02	100.84	97.52	9-Jun-1992	B
92.04955	%	100.88	98.44	107.56	9-Jun-1992	B
92.04956	%	96.58	102.64	97.88	9-Jun-1992	B
92.04963	%	102.72	99.98	98.	9-Jun-1992	

********** EM-9 QUALITY ASSURANCE REPORT **********

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	COMPLETION DATE	SAMPLE TYPE
92.05107	%	92.64	100.94	101.7	10-Jun-1992	
92.05108	%	95.86	102.18	96.6	10-Jun-1992	
92.05219	%	106.8	101.98	124.6	9-Jun-1992	
92.06566	%	95.28	98.86	99.08	9-Jun-1992	B
92.06567	%	90.88	100.3	102.66	9-Jun-1992	B
EPA Limits:						
Water	%	76 - 114	88 - 110	86 - 115		
Soil	%	70 - 121	81 - 117	74 - 121		

REPORT NUMBER: 14215

Analyst	Reviewer	Section Leader	QA Officer
6-12 92	6/12/92	6/19/92	6/19/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Tentatively Identified Compounds in Customer Sample # 92.04876

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.04876 Date Collected: Date Received: Date Extracted: Date Analyzed:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	71432	349.65	330.	UG/KG	6/09/92		Benzene
53-NW-J-S	92.04876	108907	349.65	270.	UG/KG	6/09/92		Chlorobenzene
53-NW-J-S	92.04876	75343	349.65	200.	UG/KG	6/09/92		1,1-Dichloroethane
53-NW-J-S	92.04876	108883	349.65	320.	UG/KG	6/10/92		Toluene
53-NW-J-S	92.04876	79016	349.65	160.	UG/KG	6/09/92		Trichloroethene

Matrix Spike Duplicate Results for Sample # 92.04876 Date Collected: Date Received: Date Extracted: Date Analyzed:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	71432	349.65	330.	UG/KG	6/10/92		Benzene
53-NW-J-S	92.04876	108907	349.65	210.	UG/KG	6/09/92		Chlorobenzene
53-NW-J-S	92.04876	75343	349.65	160.	UG/KG	6/10/92		1,1-Dichloroethane
53-NW-J-S	92.04876	108883	349.65	220.	UG/KG	6/09/92		Toluene
53-NW-J-S	92.04876	79016	349.65	99.	UG/KG	6/09/92		Trichloroethene

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04885 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W	92.04885	67641	< 20.		UG/L	6/16/92	Y	Acetone
53-NW-O-W	92.04885	71432	< 5.		UG/L	6/16/92	Y	Benzene
53-NW-O-W	92.04885	108861	< 5.		UG/L	6/16/92	Y	Bromobenzene
53-NW-O-W	92.04885	74975	< 5.		UG/L	6/16/92	Y	Bromochloromethane
53-NW-O-W	92.04885	75274	< 5.		UG/L	6/16/92	Y	Bromodichloromethane
53-NW-O-W	92.04885	75252	< 5.		UG/L	6/16/92	Y	Bromoform
53-NW-O-W	92.04885	74839	< 10.		UG/L	6/16/92	Y	Bromomethane
53-NW-O-W	92.04885	78933	< 20.		UG/L	6/16/92	Y	2-Butanone
53-NW-O-W	92.04885	104518	< 5.		UG/L	6/16/92	Y	n-Butylbenzene
53-NW-O-W	92.04885	135988	< 5.		UG/L	6/16/92	Y	sec-Butylbenzene
53-NW-O-W	92.04885	98066	< 5.		UG/L	6/16/92	Y	tert-Butylbenzene
53-NW-O-W	92.04885	75150	< 5.		UG/L	6/16/92	Y	Carbon disulfide
53-NW-O-W	92.04885	56235	< 5.		UG/L	6/16/92	Y	Carbon tetrachloride
53-NW-O-W	92.04885	108907	< 5.		UG/L	6/16/92	Y	Chlorobenzene
53-NW-O-W	92.04885	124481	< 5.		UG/L	6/16/92	Y	Chlorodibromomethane
53-NW-O-W	92.04885	75003	< 10.		UG/L	6/16/92	Y	Chloroethane
53-NW-O-W	92.04885	67663	< 5.		UG/L	6/16/92	Y	Chloroform
53-NW-O-W	92.04885	74873	< 10.		UG/L	6/16/92	Y	Chloromethane
53-NW-O-W	92.04885	95498	< 5.		UG/L	6/16/92	Y	o-Chlorotoluene
53-NW-O-W	92.04885	106434	< 5.		UG/L	6/16/92	Y	p-Chlorotoluene
53-NW-O-W	92.04885	96128	< 10.		UG/L	6/16/92	Y	1,2-Dibromo-3-chloropropane
53-NW-O-W	92.04885	106934	< 5.		UG/L	6/16/92	Y	1,2-Dibromoethane
53-NW-O-W	92.04885	74953	< 5.		UG/L	6/16/92	Y	Dibromomethane
53-NW-O-W	92.04885	95501	< 5.		UG/L	6/16/92	Y	o-Dichlorobenzene (1,2)
53-NW-O-W	92.04885	541731	< 5.		UG/L	6/16/92	Y	m-Dichlorobenzene (1,3)
53-NW-O-W	92.04885	106467	< 5.		UG/L	6/16/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W	92.04885	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NW-O-W	92.04885	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NW-O-W	92.04885	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NW-O-W	92.04885	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NW-O-W	92.04885	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NW-O-W	92.04885	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NW-O-W	92.04885	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NW-O-W	92.04885	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NW-O-W	92.04885	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NW-O-W	92.04885	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NW-O-W	92.04885	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NW-O-W	92.04885	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NW-O-W	92.04885	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NW-O-W	92.04885	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NW-O-W	92.04885	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NW-O-W	92.04885	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NW-O-W	92.04885	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NW-O-W	92.04885	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NW-O-W	92.04885	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NW-O-W	92.04885	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NW-O-W	92.04885	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NW-O-W	92.04885	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NW-O-W	92.04885	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NW-O-W	92.04885	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NW-O-W	92.04885	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NW-O-W	92.04885	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NW-O-W	92.04885	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-O-W	92.04885	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NW-O-W	92.04885	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NW-O-W	92.04885	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NW-O-W	92.04885	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NW-O-W	92.04885	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NW-O-W	92.04885	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NW-O-W	92.04885	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NW-O-W	92.04885	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NW-O-W	92.04885	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W	92.04885	1330207	< 5.		UG/L	6/16/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04885

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04886 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W-QA	92.04886	67641	< 20.		UG/L	6/16/92	Y	Acetone
53-NW-O-W-QA	92.04886	71432	< 5.		UG/L	6/16/92	Y	Benzene
53-NW-O-W-QA	92.04886	108861	< 5.		UG/L	6/16/92	Y	Bromobenzene
53-NW-O-W-QA	92.04886	74975	< 5.		UG/L	6/16/92	Y	Bromochloromethane
53-NW-O-W-QA	92.04886	75274	< 5.		UG/L	6/16/92	Y	Bromodichloromethane
53-NW-O-W-QA	92.04886	75252	< 5.		UG/L	6/16/92	Y	Bromoform
53-NW-O-W-QA	92.04886	74839	< 10.		UG/L	6/16/92	Y	Bromomethane
53-NW-O-W-QA	92.04886	78933	< 20.		UG/L	6/16/92	Y	2-Butanone
53-NW-O-W-QA	92.04886	104518	< 5.		UG/L	6/16/92	Y	n-Butylbenzene
53-NW-O-W-QA	92.04886	135988	< 5.		UG/L	6/16/92	Y	sec-Butylbenzene
53-NW-O-W-QA	92.04886	98066	< 5.		UG/L	6/16/92	Y	tert-Butylbenzene
53-NW-O-W-QA	92.04886	75150	< 5.		UG/L	6/16/92	Y	Carbon disulfide
53-NW-O-W-QA	92.04886	56235	< 5.		UG/L	6/16/92	Y	Carbon tetrachloride
53-NW-O-W-QA	92.04886	108907	< 5.		UG/L	6/16/92	Y	Chlorobenzene
53-NW-O-W-QA	92.04886	124481	< 5.		UG/L	6/16/92	Y	Chlorodibromomethane
53-NW-O-W-QA	92.04886	75003	< 10.		UG/L	6/16/92	Y	Chloroethane
53-NW-O-W-QA	92.04886	67663	< 5.		UG/L	6/16/92	Y	Chloroform
53-NW-O-W-QA	92.04886	74873	< 10.		UG/L	6/16/92	Y	Chloromethane
53-NW-O-W-QA	92.04886	95498	< 5.		UG/L	6/16/92	Y	o-Chlorotoluene
53-NW-O-W-QA	92.04886	106434	< 5.		UG/L	6/16/92	Y	p-Chlorotoluene
53-NW-O-W-QA	92.04886	96128	< 10.		UG/L	6/16/92	Y	1,2-Dibromo-3-chloropropane
53-NW-O-W-QA	92.04886	106934	< 5.		UG/L	6/16/92	Y	1,2-Dibromoethane
53-NW-O-W-QA	92.04886	74953	< 5.		UG/L	6/16/92	Y	Dibromomethane
53-NW-O-W-QA	92.04886	95501	< 5.		UG/L	6/16/92	Y	o-Dichlorobenzene (1,2)
53-NW-O-W-QA	92.04886	541731	< 5.		UG/L	6/16/92	Y	m-Dichlorobenzene (1,3)
53-NW-O-W-QA	92.04886	106467	< 5.		UG/L	6/16/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W-QA	92.04886	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NW-O-W-QA	92.04886	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NW-O-W-QA	92.04886	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NW-O-W-QA	92.04886	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NW-O-W-QA	92.04886	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NW-O-W-QA	92.04886	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NW-O-W-QA	92.04886	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NW-O-W-QA	92.04886	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NW-O-W-QA	92.04886	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NW-O-W-QA	92.04886	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NW-O-W-QA	92.04886	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NW-O-W-QA	92.04886	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NW-O-W-QA	92.04886	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NW-O-W-QA	92.04886	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NW-O-W-QA	92.04886	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NW-O-W-QA	92.04886	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NW-O-W-QA	92.04886	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NW-O-W-QA	92.04886	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NW-O-W-QA	92.04886	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NW-O-W-QA	92.04886	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NW-O-W-QA	92.04886	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NW-O-W-QA	92.04886	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NW-O-W-QA	92.04886	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NW-O-W-QA	92.04886	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NW-O-W-QA	92.04886	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NW-O-W-QA	92.04886	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NW-O-W-QA	92.04886	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-O-W-QA	92.04886	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NW-O-W-QA	92.04886	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NW-O-W-QA	92.04886	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NW-O-W-QA	92.04886	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NW-O-W-QA	92.04886	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NW-O-W-QA	92.04886	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NW-O-W-QA	92.04886	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NW-O-W-QA	92.04886	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NW-O-W-QA	92.04886	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W-QA	92.04886	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NW-O-W-QA	92.04886	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NW-O-W-QA	92.04886	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NW-O-W-QA	92.04886	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NW-O-W-QA	92.04886	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NW-O-W-QA	92.04886	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NW-O-W-QA	92.04886	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NW-O-W-QA	92.04886	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NW-O-W-QA	92.04886	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NW-O-W-QA	92.04886	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NW-O-W-QA	92.04886	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NW-O-W-QA	92.04886	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NW-O-W-QA	92.04886	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NW-O-W-QA	92.04886	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NW-O-W-QA	92.04886	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NW-O-W-QA	92.04886	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NW-O-W-QA	92.04886	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NW-O-W-QA	92.04886	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NW-O-W-QA	92.04886	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NW-O-W-QA	92.04886	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NW-O-W-QA	92.04886	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NW-O-W-QA	92.04886	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NW-O-W-QA	92.04886	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NW-O-W-QA	92.04886	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NW-O-W-QA	92.04886	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NW-O-W-QA	92.04886	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NW-O-W-QA	92.04886	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-O-W-QA	92.04886	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NW-O-W-QA	92.04886	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NW-O-W-QA	92.04886	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NW-O-W-QA	92.04886	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NW-O-W-QA	92.04886	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NW-O-W-QA	92.04886	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NW-O-W-QA	92.04886	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NW-O-W-QA	92.04886	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NW-O-W-QA	92.04886	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W-QA	92.04886	1330207	< 5.		UG/L	6/16/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04886

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04887 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-FDBLK	92.04887	67641	< 20.		UG/L	6/16/92	Y	Acetone
53-NW-FDBLK	92.04887	71432	< 5.		UG/L	6/16/92	Y	Benzene
53-NW-FDBLK	92.04887	108861	< 5.		UG/L	6/16/92	Y	Bromobenzene
53-NW-FDBLK	92.04887	74975	< 5.		UG/L	6/16/92	Y	Bromochloromethane
53-NW-FDBLK	92.04887	75274	< 5.		UG/L	6/16/92	Y	Bromodichloromethane
53-NW-FDBLK	92.04887	75252	< 5.		UG/L	6/16/92	Y	Bromoform
53-NW-FDBLK	92.04887	74839	< 10.		UG/L	6/16/92	Y	Bromomethane
53-NW-FDBLK	92.04887	78933	< 20.		UG/L	6/16/92	Y	2-Butanone
53-NW-FDBLK	92.04887	104518	< 5.		UG/L	6/16/92	Y	n-Butylbenzene
53-NW-FDBLK	92.04887	135988	< 5.		UG/L	6/16/92	Y	sec-Butylbenzene
53-NW-FDBLK	92.04887	98066	< 5.		UG/L	6/16/92	Y	tert-Butylbenzene
53-NW-FDBLK	92.04887	75150	< 5.		UG/L	6/16/92	Y	Carbon disulfide
53-NW-FDBLK	92.04887	56235	< 5.		UG/L	6/16/92	Y	Carbon tetrachloride
53-NW-FDBLK	92.04887	108907	< 5.		UG/L	6/16/92	Y	Chlorobenzene
53-NW-FDBLK	92.04887	124481	< 5.		UG/L	6/16/92	Y	Chlorodibromomethane
53-NW-FDBLK	92.04887	75003	< 10.		UG/L	6/16/92	Y	Chloroethane
53-NW-FDBLK	92.04887	67663	< 5.		UG/L	6/16/92	Y	Chloroform
53-NW-FDBLK	92.04887	74873	< 10.		UG/L	6/16/92	Y	Chloromethane
53-NW-FDBLK	92.04887	95498	< 5.		UG/L	6/16/92	Y	o-Chlorotoluene
53-NW-FDBLK	92.04887	106434	< 5.		UG/L	6/16/92	Y	p-Chlorotoluene
53-NW-FDBLK	92.04887	96128	< 10.		UG/L	6/16/92	Y	1,2-Dibromo-3-chloropropane
53-NW-FDBLK	92.04887	106934	< 5.		UG/L	6/16/92	Y	1,2-Dibromoethane
53-NW-FDBLK	92.04887	74953	< 5.		UG/L	6/16/92	Y	Dibromomethane
53-NW-FDBLK	92.04887	95501	< 5.		UG/L	6/16/92	Y	o-Dichlorobenzene (1,2)
53-NW-FDBLK	92.04887	541731	< 5.		UG/L	6/16/92	Y	m-Dichlorobenzene (1,3)
53-NW-FDBLK	92.04887	106467	< 5.		UG/L	6/16/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-FDBLK	92.04887	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NW-FDBLK	92.04887	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NW-FDBLK	92.04887	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NW-FDBLK	92.04887	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NW-FDBLK	92.04887	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NW-FDBLK	92.04887	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NW-FDBLK	92.04887	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NW-FDBLK	92.04887	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NW-FDBLK	92.04887	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NW-FDBLK	92.04887	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NW-FDBLK	92.04887	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NW-FDBLK	92.04887	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NW-FDBLK	92.04887	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NW-FDBLK	92.04887	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NW-FDBLK	92.04887	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NW-FDBLK	92.04887	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NW-FDBLK	92.04887	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NW-FDBLK	92.04887	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NW-FDBLK	92.04887	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NW-FDBLK	92.04887	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NW-FDBLK	92.04887	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NW-FDBLK	92.04887	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NW-FDBLK	92.04887	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NW-FDBLK	92.04887	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NW-FDBLK	92.04887	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NW-FDBLK	92.04887	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NW-FDBLK	92.04887	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-FDBLK	92.04887	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NW-FDBLK	92.04887	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NW-FDBLK	92.04887	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NW-FDBLK	92.04887	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NW-FDBLK	92.04887	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NW-FDBLK	92.04887	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NW-FDBLK	92.04887	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NW-FDBLK	92.04887	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NW-FDBLK	92.04887	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-FDBLK	92.04887	1330207	< 5.		UG/L	6/16/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04887

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04888 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-FDBLK	92.04888	67641	< 20.		UG/L	6/16/92	Y	Acetone
53-NW-FDBLK	92.04888	71432	< 5.		UG/L	6/16/92	Y	Benzene
53-NW-FDBLK	92.04888	108861	< 5.		UG/L	6/16/92	Y	Bromobenzene
53-NW-FDBLK	92.04888	74975	< 5.		UG/L	6/16/92	Y	Bromochloromethane
53-NW-FDBLK	92.04888	75274	< 5.		UG/L	6/16/92	Y	Bromodichloromethane
53-NW-FDBLK	92.04888	75252	< 5.		UG/L	6/16/92	Y	Bromoform
53-NW-FDBLK	92.04888	74839	< 10.		UG/L	6/16/92	Y	Bromomethane
53-NW-FDBLK	92.04888	78933	< 20.		UG/L	6/16/92	Y	2-Butanone
53-NW-FDBLK	92.04888	104518	< 5.		UG/L	6/16/92	Y	n-Butylbenzene
53-NW-FDBLK	92.04888	135988	< 5.		UG/L	6/16/92	Y	sec-Butylbenzene
53-NW-FDBLK	92.04888	98066	< 5.		UG/L	6/16/92	Y	tert-Butylbenzene
53-NW-FDBLK	92.04888	75150	< 5.		UG/L	6/16/92	Y	Carbon disulfide
53-NW-FDBLK	92.04888	56235	< 5.		UG/L	6/16/92	Y	Carbon tetrachloride
53-NW-FDBLK	92.04888	108907	< 5.		UG/L	6/16/92	Y	Chlorobenzene
53-NW-FDBLK	92.04888	124481	< 5.		UG/L	6/16/92	Y	Chlorodibromomethane
53-NW-FDBLK	92.04888	75003	< 10.		UG/L	6/16/92	Y	Chloroethane
53-NW-FDBLK	92.04888	67663	< 5.		UG/L	6/16/92	Y	Chloroform
53-NW-FDBLK	92.04888	74873	< 10.		UG/L	6/16/92	Y	Chloromethane
53-NW-FDBLK	92.04888	95498	< 5.		UG/L	6/16/92	Y	o-Chlorotoluene
53-NW-FDBLK	92.04888	106434	< 5.		UG/L	6/16/92	Y	p-Chlorotoluene
53-NW-FDBLK	92.04888	96128	< 10.		UG/L	6/16/92	Y	1,2-Dibromo-3-chloropropane
53-NW-FDBLK	92.04888	106934	< 5.		UG/L	6/16/92	Y	1,2-Dibromoethane
53-NW-FDBLK	92.04888	74953	< 5.		UG/L	6/16/92	Y	Dibromomethane
53-NW-FDBLK	92.04888	95501	< 5.		UG/L	6/16/92	Y	o-Dichlorobenzene (1,2)
53-NW-FDBLK	92.04888	541731	< 5.		UG/L	6/16/92	Y	m-Dichlorobenzene (1,3)
53-NW-FDBLK	92.04888	106467	< 5.		UG/L	6/16/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-FDBLK	92.04888	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NW-FDBLK	92.04888	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NW-FDBLK	92.04888	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NW-FDBLK	92.04888	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NW-FDBLK	92.04888	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NW-FDBLK	92.04888	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NW-FDBLK	92.04888	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NW-FDBLK	92.04888	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NW-FDBLK	92.04888	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NW-FDBLK	92.04888	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NW-FDBLK	92.04888	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NW-FDBLK	92.04888	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NW-FDBLK	92.04888	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NW-FDBLK	92.04888	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NW-FDBLK	92.04888	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NW-FDBLK	92.04888	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NW-FDBLK	92.04888	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NW-FDBLK	92.04888	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NW-FDBLK	92.04888	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NW-FDBLK	92.04888	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NW-FDBLK	92.04888	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NW-FDBLK	92.04888	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NW-FDBLK	92.04888	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NW-FDBLK	92.04888	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NW-FDBLK	92.04888	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NW-FDBLK	92.04888	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NW-FDBLK	92.04888	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-FDBLK	92.04888	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NW-FDBLK	92.04888	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NW-FDBLK	92.04888	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NW-FDBLK	92.04888	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NW-FDBLK	92.04888	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NW-FDBLK	92.04888	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NW-FDBLK	92.04888	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NW-FDBLK	92.04888	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NW-FDBLK	92.04888	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-FDBLK	92.04888	1330207	< 5.		UG/L	6/16/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04888

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05003 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-EBK-W	92.05003	67641	43.	12.9	UG/L	6/16/92	Y	Acetone
53-NW-EBK-W	92.05003	71432	< 5.		UG/L	6/16/92	Y	Benzene
53-NW-EBK-W	92.05003	108861	< 5.		UG/L	6/16/92	Y	Bromobenzene
53-NW-EBK-W	92.05003	74975	< 5.		UG/L	6/16/92	Y	Bromochloromethane
53-NW-EBK-W	92.05003	75274	< 5.		UG/L	6/16/92	Y	Bromodichloromethane
53-NW-EBK-W	92.05003	75252	< 5.		UG/L	6/16/92	Y	Bromoform
53-NW-EBK-W	92.05003	74839	< 10.		UG/L	6/16/92	Y	Bromomethane
53-NW-EBK-W	92.05003	78933	< 20.		UG/L	6/16/92	Y	2-Butanone
53-NW-EBK-W	92.05003	104518	< 5.		UG/L	6/16/92	Y	n-Butylbenzene
53-NW-EBK-W	92.05003	135988	< 5.		UG/L	6/16/92	Y	sec-Butylbenzene
53-NW-EBK-W	92.05003	98066	< 5.		UG/L	6/16/92	Y	tert-Butylbenzene
53-NW-EBK-W	92.05003	75150	< 5.		UG/L	6/16/92	Y	Carbon disulfide
53-NW-EBK-W	92.05003	56235	< 5.		UG/L	6/16/92	Y	Carbon tetrachloride
53-NW-EBK-W	92.05003	108907	< 5.		UG/L	6/16/92	Y	Chlorobenzene
53-NW-EBK-W	92.05003	124481	< 5.		UG/L	6/16/92	Y	Chlorodibromomethane
53-NW-EBK-W	92.05003	75003	< 10.		UG/L	6/16/92	Y	Chloroethane
53-NW-EBK-W	92.05003	67663	< 5.		UG/L	6/16/92	Y	Chloroform
53-NW-EBK-W	92.05003	74873	< 10.		UG/L	6/16/92	Y	Chloromethane
53-NW-EBK-W	92.05003	95498	< 5.		UG/L	6/16/92	Y	o-Chlorotoluene
53-NW-EBK-W	92.05003	106434	< 5.		UG/L	6/16/92	Y	p-Chlorotoluene
53-NW-EBK-W	92.05003	96128	< 10.		UG/L	6/16/92	Y	1,2-Dibromo-3-chloropropane
53-NW-EBK-W	92.05003	106934	< 5.		UG/L	6/16/92	Y	1,2-Dibromoethane
53-NW-EBK-W	92.05003	74953	< 5.		UG/L	6/16/92	Y	Dibromomethane
53-NW-EBK-W	92.05003	95501	< 5.		UG/L	6/16/92	Y	o-Dichlorobenzene (1,2)
53-NW-EBK-W	92.05003	541731	< 5.		UG/L	6/16/92	Y	m-Dichlorobenzene (1,3)
53-NW-EBK-W	92.05003	106467	< 5.		UG/L	6/16/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-EBK-W	92.05003	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NW-EBK-W	92.05003	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NW-EBK-W	92.05003	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NW-EBK-W	92.05003	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NW-EBK-W	92.05003	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NW-EBK-W	92.05003	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NW-EBK-W	92.05003	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NW-EBK-W	92.05003	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NW-EBK-W	92.05003	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NW-EBK-W	92.05003	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NW-EBK-W	92.05003	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NW-EBK-W	92.05003	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NW-EBK-W	92.05003	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NW-EBK-W	92.05003	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NW-EBK-W	92.05003	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NW-EBK-W	92.05003	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NW-EBK-W	92.05003	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NW-EBK-W	92.05003	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NW-EBK-W	92.05003	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NW-EBK-W	92.05003	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NW-EBK-W	92.05003	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NW-EBK-W	92.05003	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NW-EBK-W	92.05003	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NW-EBK-W	92.05003	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NW-EBK-W	92.05003	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NW-EBK-W	92.05003	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NW-EBK-W	92.05003	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NW-EBK-W	92.05003	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NW-EBK-W	92.05003	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NW-EBK-W	92.05003	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NW-EBK-W	92.05003	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NW-EBK-W	92.05003	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NW-EBK-W	92.05003	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NW-EBK-W	92.05003	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NW-EBK-W	92.05003	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NW-EBK-W	92.05003	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-EBK-W	92.05003	1330207	< 5.		UG/L	6/16/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05003

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05004 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W	92.05004	67641	48.	14.4	UG/L	6/16/92	Y	Acetone
53-NE-Y-W	92.05004	71432	< 5.		UG/L	6/16/92	Y	Benzene
53-NE-Y-W	92.05004	108861	< 5.		UG/L	6/16/92	Y	Bromobenzene
53-NE-Y-W	92.05004	74975	< 5.		UG/L	6/16/92	Y	Bromochloromethane
53-NE-Y-W	92.05004	75274	< 5.		UG/L	6/16/92	Y	Bromodichloromethane
53-NE-Y-W	92.05004	75252	< 5.		UG/L	6/16/92	Y	Bromoform
53-NE-Y-W	92.05004	74839	< 10.		UG/L	6/16/92	Y	Bromomethane
53-NE-Y-W	92.05004	78933	< 20.		UG/L	6/16/92	Y	2-Butanone
53-NE-Y-W	92.05004	104518	< 5.		UG/L	6/16/92	Y	n-Butylbenzene
53-NE-Y-W	92.05004	135988	< 5.		UG/L	6/16/92	Y	sec-Butylbenzene
53-NE-Y-W	92.05004	98066	< 5.		UG/L	6/16/92	Y	tert-Butylbenzene
53-NE-Y-W	92.05004	75150	< 5.		UG/L	6/16/92	Y	Carbon disulfide
53-NE-Y-W	92.05004	56235	< 5.		UG/L	6/16/92	Y	Carbon tetrachloride
53-NE-Y-W	92.05004	108907	< 5.		UG/L	6/16/92	Y	Chlorobenzene
53-NE-Y-W	92.05004	124481	< 5.		UG/L	6/16/92	Y	Chlorodibromomethane
53-NE-Y-W	92.05004	75003	< 10.		UG/L	6/16/92	Y	Chloroethane
53-NE-Y-W	92.05004	67663	< 5.		UG/L	6/16/92	Y	Chloroform
53-NE-Y-W	92.05004	74873	< 10.		UG/L	6/16/92	Y	Chloromethane
53-NE-Y-W	92.05004	95498	< 5.		UG/L	6/16/92	Y	o-Chlorotoluene
53-NE-Y-W	92.05004	106434	< 5.		UG/L	6/16/92	Y	p-Chlorotoluene
53-NE-Y-W	92.05004	96128	< 10.		UG/L	6/16/92	Y	1,2-Dibromo-3-chloropropane
53-NE-Y-W	92.05004	106934	< 5.		UG/L	6/16/92	Y	1,2-Dibromoethane
53-NE-Y-W	92.05004	74953	< 5.		UG/L	6/16/92	Y	Dibromomethane
53-NE-Y-W	92.05004	95501	< 5.		UG/L	6/16/92	Y	o-Dichlorobenzene (1,2)
53-NE-Y-W	92.05004	541731	< 5.		UG/L	6/16/92	Y	m-Dichlorobenzene (1,3)
53-NE-Y-W	92.05004	106467	< 5.		UG/L	6/16/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W	92.05004	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NE-Y-W	92.05004	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NE-Y-W	92.05004	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NE-Y-W	92.05004	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NE-Y-W	92.05004	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NE-Y-W	92.05004	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NE-Y-W	92.05004	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NE-Y-W	92.05004	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NE-Y-W	92.05004	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NE-Y-W	92.05004	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NE-Y-W	92.05004	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NE-Y-W	92.05004	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NE-Y-W	92.05004	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NE-Y-W	92.05004	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NE-Y-W	92.05004	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NE-Y-W	92.05004	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NE-Y-W	92.05004	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NE-Y-W	92.05004	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NE-Y-W	92.05004	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NE-Y-W	92.05004	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NE-Y-W	92.05004	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NE-Y-W	92.05004	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NE-Y-W	92.05004	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NE-Y-W	92.05004	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NE-Y-W	92.05004	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NE-Y-W	92.05004	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NE-Y-W	92.05004	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-Y-W	92.05004	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NE-Y-W	92.05004	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NE-Y-W	92.05004	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NE-Y-W	92.05004	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NE-Y-W	92.05004	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NE-Y-W	92.05004	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NE-Y-W	92.05004	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NE-Y-W	92.05004	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NE-Y-W	92.05004	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W	92.05004	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NE-Y-W	92.05004	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NE-Y-W	92.05004	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NE-Y-W	92.05004	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NE-Y-W	92.05004	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NE-Y-W	92.05004	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NE-Y-W	92.05004	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NE-Y-W	92.05004	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NE-Y-W	92.05004	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NE-Y-W	92.05004	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NE-Y-W	92.05004	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NE-Y-W	92.05004	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NE-Y-W	92.05004	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NE-Y-W	92.05004	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NE-Y-W	92.05004	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NE-Y-W	92.05004	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NE-Y-W	92.05004	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NE-Y-W	92.05004	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NE-Y-W	92.05004	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NE-Y-W	92.05004	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NE-Y-W	92.05004	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NE-Y-W	92.05004	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NE-Y-W	92.05004	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NE-Y-W	92.05004	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NE-Y-W	92.05004	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NE-Y-W	92.05004	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NE-Y-W	92.05004	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-Y-W	92.05004	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NE-Y-W	92.05004	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NE-Y-W	92.05004	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NE-Y-W	92.05004	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NE-Y-W	92.05004	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NE-Y-W	92.05004	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NE-Y-W	92.05004	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NE-Y-W	92.05004	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NE-Y-W	92.05004	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W	92.05004	1330207	< 5.		UG/L	6/16/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05004

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.05004 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W	92.05004	71432	50.	43.	UG/L	6/16/92		Benzene
53-NE-Y-W	92.05004	108907	50.	51.	UG/L	6/16/92		Chlorobenzene
53-NE-Y-W	92.05004	75343	< 50.	5.	UG/L	6/16/92		1,1-Dichloroethane
53-NE-Y-W	92.05004	108883	50.	49.	UG/L	6/16/92		Toluene
53-NE-Y-W	92.05004	79016	50.	29.	UG/L	6/16/92		Trichloroethene

Matrix Spike Duplicate Results for Sample # 92.05004 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W	92.05004	71432	50.	44.	UG/L	6/16/92		Benzene
53-NE-Y-W	92.05004	108907	50.	51.	UG/L	6/16/92		Chlorobenzene
53-NE-Y-W	92.05004	75343	< 50.	5.	UG/L	6/16/92		1,1-Dichloroethane
53-NE-Y-W	92.05004	108883	50.	50.	UG/L	6/16/92		Toluene
53-NE-Y-W	92.05004	79016	50.	30.	UG/L	6/16/92		Trichloroethene

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05005 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 4/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W-QA	92.05005	67641	< 20.		UG/L	6/16/92	Y	Acetone
53-NE-Y-W-QA	92.05005	71432	< 5.		UG/L	6/16/92	Y	Benzene
53-NE-Y-W-QA	92.05005	108861	< 5.		UG/L	6/16/92	Y	Bromobenzene
53-NE-Y-W-QA	92.05005	74975	< 5.		UG/L	6/16/92	Y	Bromochloromethane
53-NE-Y-W-QA	92.05005	75274	< 5.		UG/L	6/16/92	Y	Bromodichloromethane
53-NE-Y-W-QA	92.05005	75252	< 5.		UG/L	6/16/92	Y	Bromoform
53-NE-Y-W-QA	92.05005	74839	< 10.		UG/L	6/16/92	Y	Bromomethane
53-NE-Y-W-QA	92.05005	78933	< 20.		UG/L	6/16/92	Y	2-Butanone
53-NE-Y-W-QA	92.05005	104518	< 5.		UG/L	6/16/92	Y	n-Butylbenzene
53-NE-Y-W-QA	92.05005	135988	< 5.		UG/L	6/16/92	Y	sec-Butylbenzene
53-NE-Y-W-QA	92.05005	98066	< 5.		UG/L	6/16/92	Y	tert-Butylbenzene
53-NE-Y-W-QA	92.05005	75150	< 5.		UG/L	6/16/92	Y	Carbon disulfide
53-NE-Y-W-QA	92.05005	56235	< 5.		UG/L	6/16/92	Y	Carbon tetrachloride
53-NE-Y-W-QA	92.05005	108907	< 5.		UG/L	6/16/92	Y	Chlorobenzene
53-NE-Y-W-QA	92.05005	124481	< 5.		UG/L	6/16/92	Y	Chlorodibromomethane
53-NE-Y-W-QA	92.05005	75003	< 10.		UG/L	6/16/92	Y	Chloroethane
53-NE-Y-W-QA	92.05005	67663	< 5.		UG/L	6/16/92	Y	Chloroform
53-NE-Y-W-QA	92.05005	74873	< 10.		UG/L	6/16/92	Y	Chloromethane
53-NE-Y-W-QA	92.05005	95498	< 5.		UG/L	6/16/92	Y	o-Chlorotoluene
53-NE-Y-W-QA	92.05005	106434	< 5.		UG/L	6/16/92	Y	p-Chlorotoluene
53-NE-Y-W-QA	92.05005	96128	< 10.		UG/L	6/16/92	Y	1,2-Dibromo-3-chloropropane
53-NE-Y-W-QA	92.05005	106934	< 5.		UG/L	6/16/92	Y	1,2-Dibromoethane
53-NE-Y-W-QA	92.05005	74953	< 5.		UG/L	6/16/92	Y	Dibromomethane
53-NE-Y-W-QA	92.05005	95501	< 5.		UG/L	6/16/92	Y	o-Dichlorobenzene (1,2)
53-NE-Y-W-QA	92.05005	541731	< 5.		UG/L	6/16/92	Y	m-Dichlorobenzene (1,3)
53-NE-Y-W-QA	92.05005	106467	< 5.		UG/L	6/16/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W-QA	92.05005	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NE-Y-W-QA	92.05005	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NE-Y-W-QA	92.05005	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NE-Y-W-QA	92.05005	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NE-Y-W-QA	92.05005	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NE-Y-W-QA	92.05005	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NE-Y-W-QA	92.05005	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NE-Y-W-QA	92.05005	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NE-Y-W-QA	92.05005	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NE-Y-W-QA	92.05005	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NE-Y-W-QA	92.05005	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NE-Y-W-QA	92.05005	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NE-Y-W-QA	92.05005	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NE-Y-W-QA	92.05005	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NE-Y-W-QA	92.05005	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NE-Y-W-QA	92.05005	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NE-Y-W-QA	92.05005	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NE-Y-W-QA	92.05005	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NE-Y-W-QA	92.05005	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NE-Y-W-QA	92.05005	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NE-Y-W-QA	92.05005	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NE-Y-W-QA	92.05005	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NE-Y-W-QA	92.05005	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NE-Y-W-QA	92.05005	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NE-Y-W-QA	92.05005	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NE-Y-W-QA	92.05005	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NE-Y-W-QA	92.05005	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-Y-W-QA	92.05005	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NE-Y-W-QA	92.05005	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NE-Y-W-QA	92.05005	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NE-Y-W-QA	92.05005	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NE-Y-W-QA	92.05005	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NE-Y-W-QA	92.05005	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NE-Y-W-QA	92.05005	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NE-Y-W-QA	92.05005	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NE-Y-W-QA	92.05005	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W-QA	92.05005	1330207	< 5.		UG/L	6/16/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05005

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05006 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-EBK-W	92.05006	67641	< 20.		UG/L	6/16/92	Y	Acetone
53-NE-EBK-W	92.05006	71432	< 5.		UG/L	6/16/92	Y	Benzene
53-NE-EBK-W	92.05006	108861	< 5.		UG/L	6/16/92	Y	Bromobenzene
53-NE-EBK-W	92.05006	74975	< 5.		UG/L	6/16/92	Y	Bromochloromethane
53-NE-EBK-W	92.05006	75274	< 5.		UG/L	6/16/92	Y	Bromodichloromethane
53-NE-EBK-W	92.05006	75252	< 5.		UG/L	6/16/92	Y	Bromoform
53-NE-EBK-W	92.05006	74839	< 10.		UG/L	6/16/92	Y	Bromomethane
53-NE-EBK-W	92.05006	78933	< 20.		UG/L	6/16/92	Y	2-Butanone
53-NE-EBK-W	92.05006	104518	< 5.		UG/L	6/16/92	Y	n-Butylbenzene
53-NE-EBK-W	92.05006	135988	< 5.		UG/L	6/16/92	Y	sec-Butylbenzene
53-NE-EBK-W	92.05006	98066	< 5.		UG/L	6/16/92	Y	tert-Butylbenzene
53-NE-EBK-W	92.05006	75150	< 5.		UG/L	6/16/92	Y	Carbon disulfide
53-NE-EBK-W	92.05006	56235	< 5.		UG/L	6/16/92	Y	Carbon tetrachloride
53-NE-EBK-W	92.05006	108907	< 5.		UG/L	6/16/92	Y	Chlorobenzene
53-NE-EBK-W	92.05006	124481	< 5.		UG/L	6/16/92	Y	Chlorodibromomethane
53-NE-EBK-W	92.05006	75003	< 10.		UG/L	6/16/92	Y	Chloroethane
53-NE-EBK-W	92.05006	67663	< 5.		UG/L	6/16/92	Y	Chloroform
53-NE-EBK-W	92.05006	74873	< 10.		UG/L	6/16/92	Y	Chloromethane
53-NE-EBK-W	92.05006	95498	< 5.		UG/L	6/16/92	Y	o-Chlorotoluene
53-NE-EBK-W	92.05006	106434	< 5.		UG/L	6/16/92	Y	p-Chlorotoluene
53-NE-EBK-W	92.05006	96128	< 10.		UG/L	6/16/92	Y	1,2-Dibromo-3-chloropropane
53-NE-EBK-W	92.05006	106934	< 5.		UG/L	6/16/92	Y	1,2-Dibromoethane
53-NE-EBK-W	92.05006	74953	< 5.		UG/L	6/16/92	Y	Dibromomethane
53-NE-EBK-W	92.05006	95501	< 5.		UG/L	6/16/92	Y	o-Dichlorobenzene (1,2)
53-NE-EBK-W	92.05006	541731	< 5.		UG/L	6/16/92	Y	m-Dichlorobenzene (1,3)
53-NE-EBK-W	92.05006	106467	< 5.		UG/L	6/16/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-EBK-W	92.05006	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NE-EBK-W	92.05006	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NE-EBK-W	92.05006	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NE-EBK-W	92.05006	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NE-EBK-W	92.05006	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NE-EBK-W	92.05006	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NE-EBK-W	92.05006	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NE-EBK-W	92.05006	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NE-EBK-W	92.05006	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NE-EBK-W	92.05006	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NE-EBK-W	92.05006	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NE-EBK-W	92.05006	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NE-EBK-W	92.05006	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NE-EBK-W	92.05006	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NE-EBK-W	92.05006	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NE-EBK-W	92.05006	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NE-EBK-W	92.05006	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NE-EBK-W	92.05006	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NE-EBK-W	92.05006	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NE-EBK-W	92.05006	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NE-EBK-W	92.05006	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NE-EBK-W	92.05006	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NE-EBK-W	92.05006	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NE-EBK-W	92.05006	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NE-EBK-W	92.05006	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NE-EBK-W	92.05006	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NE-EBK-W	92.05006	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-EBK-W	92.05006	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NE-EBK-W	92.05006	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NE-EBK-W	92.05006	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NE-EBK-W	92.05006	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NE-EBK-W	92.05006	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NE-EBK-W	92.05006	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NE-EBK-W	92.05006	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NE-EBK-W	92.05006	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NE-EBK-W	92.05006	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-EBK-W	92.05006	1330207	< 5.		UG/L	6/16/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05006

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05007 Date Collected: 4/14/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-FDBLK	92.05007	67641	< 20.		UG/L	6/16/92	Y	Acetone
53-NE-FDBLK	92.05007	71432	< 5.		UG/L	6/16/92	Y	Benzene
53-NE-FDBLK	92.05007	108861	< 5.		UG/L	6/16/92	Y	Bromobenzene
53-NE-FDBLK	92.05007	74975	< 5.		UG/L	6/16/92	Y	Bromochloromethane
53-NE-FDBLK	92.05007	75274	< 5.		UG/L	6/16/92	Y	Bromodichloromethane
53-NE-FDBLK	92.05007	75252	< 5.		UG/L	6/16/92	Y	Bromoform
53-NE-FDBLK	92.05007	74839	< 10.		UG/L	6/16/92	Y	Bromomethane
53-NE-FDBLK	92.05007	78933	< 20.		UG/L	6/16/92	Y	2-Butanone
53-NE-FDBLK	92.05007	104518	< 5.		UG/L	6/16/92	Y	n-Butylbenzene
53-NE-FDBLK	92.05007	135988	< 5.		UG/L	6/16/92	Y	sec-Butylbenzene
53-NE-FDBLK	92.05007	98066	< 5.		UG/L	6/16/92	Y	tert-Butylbenzene
53-NE-FDBLK	92.05007	75150	< 5.		UG/L	6/16/92	Y	Carbon disulfide
53-NE-FDBLK	92.05007	56235	< 5.		UG/L	6/16/92	Y	Carbon tetrachloride
53-NE-FDBLK	92.05007	108907	< 5.		UG/L	6/16/92	Y	Chlorobenzene
53-NE-FDBLK	92.05007	124481	< 5.		UG/L	6/16/92	Y	Chlorodibromomethane
53-NE-FDBLK	92.05007	75003	< 10.		UG/L	6/16/92	Y	Chloroethane
53-NE-FDBLK	92.05007	67663	< 5.		UG/L	6/16/92	Y	Chloroform
53-NE-FDBLK	92.05007	74873	< 10.		UG/L	6/16/92	Y	Chloromethane
53-NE-FDBLK	92.05007	95498	< 5.		UG/L	6/16/92	Y	o-Chlorotoluene
53-NE-FDBLK	92.05007	106434	< 5.		UG/L	6/16/92	Y	p-Chlorotoluene
53-NE-FDBLK	92.05007	96128	< 10.		UG/L	6/16/92	Y	1,2-Dibromo-3-chloropropane
53-NE-FDBLK	92.05007	106934	< 5.		UG/L	6/16/92	Y	1,2-Dibromoethane
53-NE-FDBLK	92.05007	74953	< 5.		UG/L	6/16/92	Y	Dibromomethane
53-NE-FDBLK	92.05007	95501	< 5.		UG/L	6/16/92	Y	o-Dichlorobenzene (1,2)
53-NE-FDBLK	92.05007	541731	< 5.		UG/L	6/16/92	Y	m-Dichlorobenzene (1,3)
53-NE-FDBLK	92.05007	106467	< 5.		UG/L	6/16/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-FDBLK	92.05007	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NE-FDBLK	92.05007	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NE-FDBLK	92.05007	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NE-FDBLK	92.05007	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NE-FDBLK	92.05007	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NE-FDBLK	92.05007	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NE-FDBLK	92.05007	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NE-FDBLK	92.05007	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NE-FDBLK	92.05007	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NE-FDBLK	92.05007	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NE-FDBLK	92.05007	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NE-FDBLK	92.05007	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NE-FDBLK	92.05007	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NE-FDBLK	92.05007	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NE-FDBLK	92.05007	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NE-FDBLK	92.05007	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NE-FDBLK	92.05007	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NE-FDBLK	92.05007	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NE-FDBLK	92.05007	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NE-FDBLK	92.05007	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NE-FDBLK	92.05007	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NE-FDBLK	92.05007	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NE-FDBLK	92.05007	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NE-FDBLK	92.05007	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NE-FDBLK	92.05007	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NE-FDBLK	92.05007	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NE-FDBLK	92.05007	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-FDBLK	92.05007	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NE-FDBLK	92.05007	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NE-FDBLK	92.05007	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NE-FDBLK	92.05007	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NE-FDBLK	92.05007	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NE-FDBLK	92.05007	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NE-FDBLK	92.05007	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NE-FDBLK	92.05007	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NE-FDBLK	92.05007	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA VOLATILES Prepared by: LAT on 16-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.05358 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 5/05/92 Date Analyzed: 5/05/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05358	67641	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	Acetone
00.20226	92.05358	71432	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Benzene
00.20226	92.05358	108861	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromobenzene
00.20226	92.05358	74975	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromochloromethane
00.20226	92.05358	75274	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromodichloromethane
00.20226	92.05358	75252	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromoform
00.20226	92.05358	74839	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromomethane
00.20226	92.05358	78933	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	2-Butanone
00.20226	92.05358	104518	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	n-Butylbenzene
00.20226	92.05358	135988	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	sec-Butylbenzene
00.20226	92.05358	98066	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	tert-Butylbenzene
00.20226	92.05358	75150	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Carbon disulfide
00.20226	92.05358	56235	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Carbon tetrachloride
00.20226	92.05358	108907	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chlorobenzene
00.20226	92.05358	124481	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chlorodibromomethane
00.20226	92.05358	75003	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloroethane
00.20226	92.05358	67663	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloroform
00.20226	92.05358	74873	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloromethane
00.20226	92.05358	95498	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	o-Chlorotoluene
00.20226	92.05358	106434	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	p-Chlorotoluene
00.20226	92.05358	96128	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05358	106934	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromoethane
00.20226	92.05358	74953	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Dibromomethane
00.20226	92.05358	95501	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20226	92.05358	541731	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20226	92.05358	106467	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20226	92.05358	75718	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Dichlorodifluoromethane
00.20226	92.05358	75343	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloroethane
00.20226	92.05358	107062	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dichloroethane
00.20226	92.05358	75354	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloroethene
00.20226	92.05358	156605	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20226	92.05358	156592	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20226	92.05358	78875	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dichloropropane
00.20226	92.05358	142289	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,3-Dichloropropane
00.20226	92.05358	594207	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	2,2-Dichloropropane
00.20226	92.05358	563586	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloropropene
00.20226	92.05358	10061015	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20226	92.05358	10061026	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20226	92.05358	100414	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Ethylbenzene
00.20226	92.05358	106934	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Ethylene dibromide
00.20226	92.05358	591786	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	2-Hexanone
00.20226	92.05358	98828	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Isopropylbenzene
00.20226	92.05358	99876	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	4-Isopropyltoluene
00.20226	92.05358	74884	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Methyl iodide
00.20226	92.05358	108101	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20226	92.05358	75092	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Methylene chloride
00.20226	92.05358	103651	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Propylbenzene
00.20226	92.05358	100425	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Styrene
00.20226	92.05358	630206	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20226	92.05358	79345	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20226	92.05358	127184	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Tetrachloroethylene
00.20226	92.05358	108883	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Toluene
00.20226	92.05358	76131	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20226	92.05358	71556	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20226	92.05358	79005	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20226	92.05358	79016	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Trichloroethene
00.20226	92.05358	75694	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Trichlorofluoromethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05358	96184	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20226	92.05358	95636	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20226	92.05358	108678	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20226	92.05358	108054	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Vinyl acetate
00.20226	92.05358	75014	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Vinyl chloride
00.20226	92.05358	1330207	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.05359 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/17/92 Date Analyzed: 4/17/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05359	67641	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	Acetone
00.20226	92.05359	71432	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Benzene
00.20226	92.05359	108861	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromobenzene
00.20226	92.05359	74975	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromochloromethane
00.20226	92.05359	75274	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromodichloromethane
00.20226	92.05359	75252	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromoform
00.20226	92.05359	74839	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromomethane
00.20226	92.05359	78933	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	2-Butanone
00.20226	92.05359	104518	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	n-Butylbenzene
00.20226	92.05359	135988	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	sec-Butylbenzene
00.20226	92.05359	98066	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	tert-Butylbenzene
00.20226	92.05359	75150	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Carbon disulfide
00.20226	92.05359	56235	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Carbon tetrachloride
00.20226	92.05359	108907	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chlorobenzene
00.20226	92.05359	124481	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chlorodibromomethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05359	75003	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloroethane
00.20226	92.05359	67663	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloroform
00.20226	92.05359	74873	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloromethane
00.20226	92.05359	95498	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	o-Chlorotoluene
00.20226	92.05359	106434	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	p-Chlorotoluene
00.20226	92.05359	96128	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20226	92.05359	106934	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromoethane
00.20226	92.05359	74953	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Dibromomethane
00.20226	92.05359	95501	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20226	92.05359	541731	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20226	92.05359	106467	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20226	92.05359	75718	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Dichlorodifluoromethane
00.20226	92.05359	75343	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloroethane
00.20226	92.05359	107062	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dichloroethane
00.20226	92.05359	75354	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloroethene
00.20226	92.05359	156605	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20226	92.05359	156592	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20226	92.05359	78875	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dichloropropane
00.20226	92.05359	142289	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,3-Dichloropropane
00.20226	92.05359	594207	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	2,2-Dichloropropane
00.20226	92.05359	563586	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloropropene
00.20226	92.05359	10061015	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20226	92.05359	10061026	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20226	92.05359	100414	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Ethylbenzene
00.20226	92.05359	106934	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Ethylene dibromide
00.20226	92.05359	591786	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	2-Hexanone
00.20226	92.05359	98828	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Isopropylbenzene
00.20226	92.05359	99876	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	4-Isopropyltoluene
00.20226	92.05359	74884	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Methyl iodide
00.20226	92.05359	108101	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20226	92.05359	75092	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Methylene chloride
00.20226	92.05359	103651	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Propylbenzene
00.20226	92.05359	100425	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Styrene
00.20226	92.05359	630206	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20226	92.05359	79345	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20226	92.05359	127184	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Tetrachloroethylene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05359	108883	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Toluene
00.20226	92.05359	76131	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20226	92.05359	71556	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20226	92.05359	79005	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20226	92.05359	79016	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Trichloroethene
00.20226	92.05359	75694	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Trichlorofluoromethane
00.20226	92.05359	96184	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20226	92.05359	95636	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20226	92.05359	108678	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20226	92.05359	108054	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Vinyl acetate
00.20226	92.05359	75014	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Vinyl chloride
00.20226	92.05359	1330207	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.07114 Date Collected: 5/26/92 Date Received: 5/27/92 Date Extracted: 4/20/92 Date Analyzed: 4/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.07114	67641	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	Acetone
00.20226	92.07114	71432	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Benzene
00.20226	92.07114	108861	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.07114	74975	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromochloromethane
00.20226	92.07114	75274	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromodichloromethane
00.20226	92.07114	75252	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromoform
00.20226	92.07114	74839	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromomethane
00.20226	92.07114	78933	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	2-Butanone
00.20226	92.07114	104518	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	n-Butylbenzene
00.20226	92.07114	135988	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	sec-Butylbenzene
00.20226	92.07114	98066	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	tert-Butylbenzene
00.20226	92.07114	75150	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Carbon disulfide
00.20226	92.07114	56235	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Carbon tetrachloride
00.20226	92.07114	108907	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chlorobenzene
00.20226	92.07114	124481	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chlorodibromomethane
00.20226	92.07114	75003	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloroethane
00.20226	92.07114	67663	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloroform
00.20226	92.07114	74873	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloromethane
00.20226	92.07114	95498	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	o-Chlorotoluene
00.20226	92.07114	106434	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	p-Chlorotoluene
00.20226	92.07114	96128	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20226	92.07114	106934	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromoethane
00.20226	92.07114	74953	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Dibromomethane
00.20226	92.07114	95501	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20226	92.07114	541731	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20226	92.07114	106467	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20226	92.07114	75718	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Dichlorodifluoromethane
00.20226	92.07114	75343	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloroethane
00.20226	92.07114	107062	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dichloroethane
00.20226	92.07114	75354	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloroethene
00.20226	92.07114	156605	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20226	92.07114	156592	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20226	92.07114	78875	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dichloropropane
00.20226	92.07114	142289	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,3-Dichloropropane
00.20226	92.07114	594207	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	2,2-Dichloropropane
00.20226	92.07114	563586	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloropropene
00.20226	92.07114	10061015	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20226	92.07114	10061026	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20226	92.07114	100414	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Ethylbenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.07114	106934	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Ethylene dibromide
00.20226	92.07114	591786	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	2-Hexanone
00.20226	92.07114	98828	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Isopropylbenzene
00.20226	92.07114	99876	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	4-Isopropyltoluene
00.20226	92.07114	74884	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Methyl iodide
00.20226	92.07114	108101	< 20.		UG/L	0.0		6/16/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20226	92.07114	75092	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Methylene chloride
00.20226	92.07114	103651	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Propylbenzene
00.20226	92.07114	100425	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Styrene
00.20226	92.07114	630206	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20226	92.07114	79345	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20226	92.07114	127184	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Tetrachloroethylene
00.20226	92.07114	108883	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Toluene
00.20226	92.07114	76131	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20226	92.07114	71556	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20226	92.07114	79005	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20226	92.07114	79016	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Trichloroethene
00.20226	92.07114	75694	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Trichlorofluoromethane
00.20226	92.07114	96184	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20226	92.07114	95636	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20226	92.07114	108678	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20226	92.07114	108054	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Vinyl acetate
00.20226	92.07114	75014	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Vinyl chloride
00.20226	92.07114	1330207	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.05357 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/22/92 Date Analyzed: 4/22/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05357	67641	51.	15.3	UG/L	84.	8.	6/16/92	UNDER CONTROL	Acetone
92.05357	71432	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Benzene
92.05357	108861	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromobenzene
92.05357	74975	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromochloromethane
92.05357	75274	63.	18.9	UG/L	79.	8.	6/16/92	UNDER CONTROL	Bromodichloromethane
92.05357	75252	73.	21.9	UG/L	84.	8.	6/16/92	UNDER CONTROL	Bromoform
92.05357	74839	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromomethane
92.05357	78933	65.	19.5	UG/L	89.	9.	6/16/92	UNDER CONTROL	2-Butanone
92.05357	104518	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	n-Butylbenzene
92.05357	135988	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	sec-Butylbenzene
92.05357	98066	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	tert-Butylbenzene
92.05357	75150	49.	14.7	UG/L	81.	8.	6/16/92	UNDER CONTROL	Carbon disulfide
92.05357	56235	52.	15.6	UG/L	105.	10.	6/16/92	WARNING 2-3 SIG	Carbon tetrachloride
92.05357	108907	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chlorobenzene
92.05357	124481	66.	19.8	UG/L	79.	8.	6/16/92	UNDER CONTROL	Chlorodibromomethane
92.05357	75003	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloroethane
92.05357	67663	59.	17.7	UG/L	79.	8.	6/16/92	UNDER CONTROL	Chloroform
92.05357	74873	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloromethane
92.05357	95498	37.	11.1	UG/L	75.	8.	6/16/92	WARNING 2-3 SIG	o-Chlorotoluene
92.05357	106434	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	p-Chlorotoluene
92.05357	96128	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.05357	106934	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromoethane
92.05357	74953	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Dibromomethane
92.05357	95501	28.	8.4	UG/L	0.0		6/16/92	OUT OF CONTROL	o-Dichlorobenzene (1,2)
92.05357	541731	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05357	106467	24.	7.2	UG/L	73.	7.	6/16/92	OUT OF CONTROL	p-Dichlorobenzene (1,4)

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.05357 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/22/92 Date Analyzed: 4/22/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05357	67641	51.	15.3	UG/L	84.	8.	6/16/92	UNDER CONTROL	Acetone
92.05357	71432	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Benzene
92.05357	108861	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromobenzene
92.05357	74975	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromochloromethane
92.05357	75274	63.	18.9	UG/L	79.	8.	6/16/92	UNDER CONTROL	Bromodichloromethane
92.05357	75252	73.	21.9	UG/L	84.	8.	6/16/92	UNDER CONTROL	Bromoform
92.05357	74839	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Bromomethane
92.05357	78933	65.	19.5	UG/L	89.	9.	6/16/92	UNDER CONTROL	2-Butanone
92.05357	104518	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	n-Butylbenzene
92.05357	135988	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	sec-Butylbenzene
92.05357	98066	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	tert-Butylbenzene
92.05357	75150	49.	14.7	UG/L	81.	8.	6/16/92	UNDER CONTROL	Carbon disulfide
92.05357	56235	52.	15.6	UG/L	105.	10.	6/16/92	WARNING 2-3 SIG	Carbon tetrachloride
92.05357	108907	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Chlorobenzene
92.05357	124481	66.	19.8	UG/L	79.	8.	6/16/92	UNDER CONTROL	Chlorodibromomethane
92.05357	75003	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloroethane
92.05357	67663	59.	17.7	UG/L	79.	8.	6/16/92	UNDER CONTROL	Chloroform
92.05357	74873	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Chloromethane
92.05357	95498	37.	11.1	UG/L	75.	8.	6/16/92	WARNING 2-3 SIG	o-Chlorotoluene
92.05357	106434	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	p-Chlorotoluene
92.05357	96128	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.05357	106934	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dibromoethane
92.05357	74953	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Dibromomethane
92.05357	95501	28.	8.4	UG/L	0.0		6/16/92	OUT OF CONTROL	o-Dichlorobenzene (1,2)
92.05357	541731	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05357	106467	24.	7.2	UG/L	73.	7.	6/16/92	OUT OF CONTROL	p-Dichlorobenzene (1,4)

92.05357	75718	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Dichlorodifluoromethane
92.05357	75343	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloroethane
92.05357	107062	65.	19.5	UG/L	78.	8.	6/16/92	UNDER CONTROL	1,2-Dichloroethane
92.05357	75354	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloroethene
92.05357	156605	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.05357	156592	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.05357	78875	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2-Dichloropropane
92.05357	142289	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,3-Dichloropropane
92.05357	594207	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	2,2-Dichloropropane
92.05357	563586	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1-Dichloropropene
92.05357	10061015	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.05357	10061026	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.05357	100414	33.	9.9	UG/L	78.	8.	6/16/92	OUT OF CONTROL	Ethylbenzene
92.05357	106934	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Ethylene dibromide
92.05357	591786	67.	20.1	UG/L	76.	8.	6/16/92	UNDER CONTROL	2-Hexanone
92.05357	98828	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Isopropylbenzene
92.05357	99876	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	4-Isopropyltoluene
92.05357	74884	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Methyl iodide
92.05357	108101	76.	22.8	UG/L	83.	8.	6/16/92	UNDER CONTROL	4-Methyl-2-pentanone
92.05357	75092	66.	19.8	UG/L	85.	8.	6/16/92	UNDER CONTROL	Methylene chloride
92.05357	103651	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Propylbenzene
92.05357	100425	< 5.		UG/L	83.	8.	6/16/92	OUT OF CONTROL	Styrene
92.05357	630206	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
92.05357	79345	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.05357	127184	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Tetrachloroethylene
92.05357	108883	41.	12.3	UG/L	79.	8.	6/16/92	WARNING 2-3 SIG	Toluene
92.05357	76131	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.05357	71556	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,1-Trichloroethane
92.05357	79005	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,1,2-Trichloroethane
92.05357	79016	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Trichloroethene
92.05357	75694	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Trichlorofluoromethane
92.05357	96184	86.	25.8	UG/L	84.	8.	6/16/92	UNDER CONTROL	1,2,3-Trichloropropane
92.05357	95636	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.05357	108678	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.05357	108054	< 10.		UG/L	84.	8.	6/16/92	OUT OF CONTROL	Vinyl acetate
92.05357	75014	< 10.		UG/L	0.0		6/16/92	UNDER CONTROL	Vinyl chloride
92.05357	1330207	< 5.		UG/L	0.0		6/16/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA VOLATILES

Surrogate 1 = 1,2-Dichloroethane d4 (CAS # = 17060070)
Surrogate 2 = Toluene d8 (CAS # = 2037265)
Surrogate 3 = 4-Bromofluorobenzene (CAS # = 460004)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	COMPLETION DATE	SAMPLE TYPE
92.04885	%	97.14	103.34	96.22	16-Jun-1992	
92.04886	%	94.54	103.7	94.12	16-Jun-1992	
92.04887	%	94.02	105.44	92.72	16-Jun-1992	
92.04888	%	91.48	104.68	93.02	16-Jun-1992	
92.05003	%	89.66	104.66	92.34	16-Jun-1992	
92.05004	%	100.94	104.64	94.54	16-Jun-1992	MS
92.05004	%	106.08	103.98	95.02	16-Jun-1992	MSD
92.05004	%	85.64	103.86	90.4	16-Jun-1992	
92.05005	%	93.36	106.52	95.92	16-Jun-1992	
92.05006	%	85.22	103.14	90.66	16-Jun-1992	
92.05007	%	88.98	105.26	89.72	16-Jun-1992	
92.05357	%	100.82	102.9	98.72	16-Jun-1992	
92.05358	%	106.88	101.06	100.44	16-Jun-1992	B
92.05359	%	94.04	92.	94.82	16-Jun-1992	B
92.07114	%	94.64	104.16	100.62	16-Jun-1992	B

EPA Limits:

Water	%	76 - 114	88 - 110	86 - 115
Soil	%	70 - 121	81 - 117	74 - 121

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14264				
	L. Bigham for SCB	L. Bigham	R Phelps	mag
	Analyst	Reviewer	Section Leader	QA Officer
	6/22/92	6/22/92	6/30/92	7/1/92
	Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-FDBLK	92.05007	75718	< 10.		UG/L	6/16/92	Y	Dichlorodifluoromethane
53-NE-FDBLK	92.05007	75343	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethane
53-NE-FDBLK	92.05007	107062	< 5.		UG/L	6/16/92	Y	1,2-Dichloroethane
53-NE-FDBLK	92.05007	75354	< 5.		UG/L	6/16/92	Y	1,1-Dichloroethene
53-NE-FDBLK	92.05007	156605	< 5.		UG/L	6/16/92	Y	trans-1,2-Dichloroethene
53-NE-FDBLK	92.05007	156592	< 5.		UG/L	6/16/92	Y	cis-1,2-Dichloroethylene
53-NE-FDBLK	92.05007	78875	< 5.		UG/L	6/16/92	Y	1,2-Dichloropropane
53-NE-FDBLK	92.05007	142289	< 5.		UG/L	6/16/92	Y	1,3-Dichloropropane
53-NE-FDBLK	92.05007	594207	< 5.		UG/L	6/16/92	Y	2,2-Dichloropropane
53-NE-FDBLK	92.05007	563586	< 5.		UG/L	6/16/92	Y	1,1-Dichloropropene
53-NE-FDBLK	92.05007	10061015	< 5.		UG/L	6/16/92	Y	cis-1,3-Dichloropropene
53-NE-FDBLK	92.05007	10061026	< 5.		UG/L	6/16/92	Y	trans-1,3-Dichloropropene
53-NE-FDBLK	92.05007	100414	< 5.		UG/L	6/16/92	Y	Ethylbenzene
53-NE-FDBLK	92.05007	106934	< 5.		UG/L	6/16/92	Y	Ethylene dibromide
53-NE-FDBLK	92.05007	591786	< 20.		UG/L	6/16/92	Y	2-Hexanone
53-NE-FDBLK	92.05007	98828	< 5.		UG/L	6/16/92	Y	Isopropylbenzene
53-NE-FDBLK	92.05007	99876	< 5.		UG/L	6/16/92	Y	4-Isopropyltoluene
53-NE-FDBLK	92.05007	74884	< 5.		UG/L	6/16/92	Y	Methyl iodide
53-NE-FDBLK	92.05007	108101	< 20.		UG/L	6/16/92	Y	4-Methyl-2-pentanone
53-NE-FDBLK	92.05007	75092	< 5.		UG/L	6/16/92	Y	Methylene chloride
53-NE-FDBLK	92.05007	103651	< 5.		UG/L	6/16/92	Y	Propylbenzene
53-NE-FDBLK	92.05007	100425	< 5.		UG/L	6/16/92	Y	Styrene
53-NE-FDBLK	92.05007	630206	< 5.		UG/L	6/16/92	Y	1,1,1,2-Tetrachloroethane
53-NE-FDBLK	92.05007	79345	< 5.		UG/L	6/16/92	Y	1,1,2,2-Tetrachloroethane
53-NE-FDBLK	92.05007	127184	< 5.		UG/L	6/16/92	Y	Tetrachloroethylene
53-NE-FDBLK	92.05007	108883	< 5.		UG/L	6/16/92	Y	Toluene
53-NE-FDBLK	92.05007	76131	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-FDBLK	92.05007	71556	< 5.		UG/L	6/16/92	Y	1,1,1-Trichloroethane
53-NE-FDBLK	92.05007	79005	< 5.		UG/L	6/16/92	Y	1,1,2-Trichloroethane
53-NE-FDBLK	92.05007	79016	< 5.		UG/L	6/16/92	Y	Trichloroethene
53-NE-FDBLK	92.05007	75694	< 5.		UG/L	6/16/92	Y	Trichlorofluoromethane
53-NE-FDBLK	92.05007	96184	< 5.		UG/L	6/16/92	Y	1,2,3-Trichloropropane
53-NE-FDBLK	92.05007	95636	< 5.		UG/L	6/16/92	Y	1,2,4-Trimethylbenzene
53-NE-FDBLK	92.05007	108678	< 5.		UG/L	6/16/92	Y	1,3,5-Trimethylbenzene
53-NE-FDBLK	92.05007	108054	< 10.		UG/L	6/16/92	Y	Vinyl acetate
53-NE-FDBLK	92.05007	75014	< 10.		UG/L	6/16/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-FDBLK	92.05007	1330207	< 5.		UG/L	6/16/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05007

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05120 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	67641	40.	12.	UG/KG	8/18/92		Acetone
53-SC-G1-S	92.05120	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-G1-S	92.05120	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-G1-S	92.05120	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-G1-S	92.05120	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-G1-S	92.05120	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-G1-S	92.05120	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-G1-S	92.05120	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-G1-S	92.05120	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-G1-S	92.05120	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-G1-S	92.05120	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-G1-S	92.05120	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-G1-S	92.05120	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-G1-S	92.05120	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-G1-S	92.05120	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-G1-S	92.05120	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-G1-S	92.05120	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-G1-S	92.05120	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-G1-S	92.05120	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-G1-S	92.05120	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-G1-S	92.05120	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-G1-S	92.05120	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-G1-S	92.05120	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-G1-S	92.05120	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-G1-S	92.05120	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-G1-S	92.05120	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-G1-S	92.05120	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-G1-S	92.05120	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-G1-S	92.05120	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-G1-S	92.05120	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-G1-S	92.05120	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-G1-S	92.05120	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-G1-S	92.05120	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-G1-S	92.05120	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-G1-S	92.05120	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-G1-S	92.05120	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-G1-S	92.05120	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-G1-S	92.05120	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-G1-S	92.05120	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-G1-S	92.05120	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-G1-S	92.05120	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-G1-S	92.05120	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-G1-S	92.05120	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-G1-S	92.05120	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-G1-S	92.05120	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-G1-S	92.05120	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-G1-S	92.05120	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-G1-S	92.05120	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-G1-S	92.05120	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-G1-S	92.05120	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-G1-S	92.05120	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-G1-S	92.05120	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-G1-S	92.05120	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-G1-S	92.05120	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-G1-S	92.05120	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-G1-S	92.05120	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-G1-S	92.05120	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-G1-S	92.05120	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-G1-S	92.05120	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-G1-S	92.05120	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-G1-S	92.05120	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05120

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05121 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S-Q	92.05121	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-H1-S-Q	92.05121	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-H1-S-Q	92.05121	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-H1-S-Q	92.05121	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-H1-S-Q	92.05121	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-H1-S-Q	92.05121	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-H1-S-Q	92.05121	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-H1-S-Q	92.05121	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-H1-S-Q	92.05121	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-H1-S-Q	92.05121	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-H1-S-Q	92.05121	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-H1-S-Q	92.05121	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-H1-S-Q	92.05121	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-H1-S-Q	92.05121	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-H1-S-Q	92.05121	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-H1-S-Q	92.05121	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-H1-S-Q	92.05121	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-H1-S-Q	92.05121	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-H1-S-Q	92.05121	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-H1-S-Q	92.05121	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-H1-S-Q	92.05121	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-H1-S-Q	92.05121	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-H1-S-Q	92.05121	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-H1-S-Q	92.05121	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-H1-S-Q	92.05121	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-H1-S-Q	92.05121	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

REPORT . .BER. 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S-Q	92.05121	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-H1-S-Q	92.05121	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-H1-S-Q	92.05121	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-H1-S-Q	92.05121	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-H1-S-Q	92.05121	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-H1-S-Q	92.05121	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-H1-S-Q	92.05121	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-H1-S-Q	92.05121	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-H1-S-Q	92.05121	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-H1-S-Q	92.05121	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-H1-S-Q	92.05121	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-H1-S-Q	92.05121	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-H1-S-Q	92.05121	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-H1-S-Q	92.05121	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-H1-S-Q	92.05121	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-H1-S-Q	92.05121	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-H1-S-Q	92.05121	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-H1-S-Q	92.05121	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-H1-S-Q	92.05121	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-H1-S-Q	92.05121	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-H1-S-Q	92.05121	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-H1-S-Q	92.05121	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-H1-S-Q	92.05121	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-H1-S-Q	92.05121	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-H1-S-Q	92.05121	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-H1-S-Q	92.05121	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-H1-S-Q	92.05121	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-H1-S-Q	92.05121	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-H1-S-Q	92.05121	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-H1-S-Q	92.05121	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-H1-S-Q	92.05121	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-H1-S-Q	92.05121	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-H1-S-Q	92.05121	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-H1-S-Q	92.05121	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-H1-S-Q	92.05121	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-H1-S-Q	92.05121	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S-Q	92.05121	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05121

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05122 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S	92.05122	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-H1-S	92.05122	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-H1-S	92.05122	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-H1-S	92.05122	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-H1-S	92.05122	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-H1-S	92.05122	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-H1-S	92.05122	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-H1-S	92.05122	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-H1-S	92.05122	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-H1-S	92.05122	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-H1-S	92.05122	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-H1-S	92.05122	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-H1-S	92.05122	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-H1-S	92.05122	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-H1-S	92.05122	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-H1-S	92.05122	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-H1-S	92.05122	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-H1-S	92.05122	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-H1-S	92.05122	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-H1-S	92.05122	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-H1-S	92.05122	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-H1-S	92.05122	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-H1-S	92.05122	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-H1-S	92.05122	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-H1-S	92.05122	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-H1-S	92.05122	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S	92.05122	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-H1-S	92.05122	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-H1-S	92.05122	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-H1-S	92.05122	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-H1-S	92.05122	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-H1-S	92.05122	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-H1-S	92.05122	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-H1-S	92.05122	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-H1-S	92.05122	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-H1-S	92.05122	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-H1-S	92.05122	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-H1-S	92.05122	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-H1-S	92.05122	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-H1-S	92.05122	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-H1-S	92.05122	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-H1-S	92.05122	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-H1-S	92.05122	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-H1-S	92.05122	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-H1-S	92.05122	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-H1-S	92.05122	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-H1-S	92.05122	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-H1-S	92.05122	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-H1-S	92.05122	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-H1-S	92.05122	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-H1-S	92.05122	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-H1-S	92.05122	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-H1-S	92.05122	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-H1-S	**92.05122**	71556	**7.8** ✓	**2.34**	UG/KG	8/18/92		**1,1,1-Trichloroethane**
53-SC-H1-S	92.05122	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-H1-S	92.05122	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-H1-S	92.05122	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-H1-S	92.05122	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-H1-S	92.05122	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-H1-S	92.05122	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-H1-S	92.05122	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-H1-S	92.05122	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S	92.05122	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05122

none

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05123 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-I1-S	92.05123	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-I1-S	92.05123	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-I1-S	92.05123	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-I1-S	92.05123	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-I1-S	92.05123	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-I1-S	92.05123	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-I1-S	92.05123	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-I1-S	92.05123	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-I1-S	92.05123	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-I1-S	92.05123	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-I1-S	92.05123	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-I1-S	92.05123	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-I1-S	92.05123	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-I1-S	92.05123	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-I1-S	92.05123	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-I1-S	92.05123	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-I1-S	92.05123	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-I1-S	92.05123	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-I1-S	92.05123	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-I1-S	92.05123	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-I1-S	92.05123	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-I1-S	92.05123	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-I1-S	92.05123	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-I1-S	92.05123	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-I1-S	92.05123	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-I1-S	92.05123	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-I1-S	92.05123	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-I1-S	92.05123	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-I1-S	92.05123	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-I1-S	92.05123	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-I1-S	92.05123	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-I1-S	92.05123	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-I1-S	92.05123	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-I1-S	92.05123	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-I1-S	92.05123	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-I1-S	92.05123	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-I1-S	92.05123	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-I1-S	92.05123	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-I1-S	92.05123	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-I1-S	92.05123	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-I1-S	92.05123	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-I1-S	92.05123	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-I1-S	92.05123	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-I1-S	92.05123	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-I1-S	92.05123	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-I1-S	92.05123	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-I1-S	92.05123	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-I1-S	92.05123	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-I1-S	92.05123	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-I1-S	92.05123	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-I1-S	92.05123	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-I1-S	92.05123	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-I1-S	92.05123	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-I1-S	92.05123	71556	16.	4.8	UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-I1-S	92.05123	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-I1-S	92.05123	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-I1-S	92.05123	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-I1-S	92.05123	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-I1-S	92.05123	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-I1-S	92.05123	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-I1-S	92.05123	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-I1-S	92.05123	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-I1-S	92.05123	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05123

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05124 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/29/92 Date Analyzed: 4/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-J1-S	92.05124	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-J1-S	92.05124	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-J1-S	92.05124	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-J1-S	92.05124	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-J1-S	92.05124	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-J1-S	92.05124	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-J1-S	92.05124	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-J1-S	92.05124	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-J1-S	92.05124	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-J1-S	92.05124	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-J1-S	92.05124	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-J1-S	92.05124	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-J1-S	92.05124	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-J1-S	92.05124	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-J1-S	92.05124	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-J1-S	92.05124	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-J1-S	92.05124	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-J1-S	92.05124	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-J1-S	92.05124	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-J1-S	92.05124	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-J1-S	92.05124	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-J1-S	92.05124	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-J1-S	92.05124	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-J1-S	92.05124	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-J1-S	92.05124	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-J1-S	92.05124	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-J1-S	92.05124	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-J1-S	92.05124	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-J1-S	92.05124	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-J1-S	92.05124	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-J1-S	92.05124	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-J1-S	92.05124	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-J1-S	92.05124	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-J1-S	92.05124	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-J1-S	92.05124	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-J1-S	92.05124	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-J1-S	92.05124	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-J1-S	92.05124	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-J1-S	92.05124	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-J1-S	92.05124	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-J1-S	92.05124	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-J1-S	92.05124	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-J1-S	92.05124	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-J1-S	92.05124	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-J1-S	92.05124	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-J1-S	92.05124	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-J1-S	92.05124	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-J1-S	92.05124	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-J1-S	92.05124	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-J1-S	92.05124	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-J1-S	92.05124	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-J1-S	92.05124	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-J1-S	92.05124	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-J1-S	92.05124	71556	5.3	1.59	UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-J1-S	92.05124	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-J1-S	92.05124	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-J1-S	92.05124	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-J1-S	92.05124	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-J1-S	92.05124	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-J1-S	92.05124	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-J1-S	92.05124	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-J1-S	92.05124	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-J1-S	92.05124	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05124

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05125 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/29/92 Date Analyzed: 4/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-K1-S	92.05125	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-K1-S	92.05125	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-K1-S	92.05125	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-K1-S	92.05125	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-K1-S	92.05125	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-K1-S	92.05125	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-K1-S	92.05125	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-K1-S	92.05125	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-K1-S	92.05125	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-K1-S	92.05125	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-K1-S	92.05125	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-K1-S	92.05125	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-K1-S	92.05125	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-K1-S	92.05125	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-K1-S	92.05125	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-K1-S	92.05125	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-K1-S	92.05125	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-K1-S	92.05125	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-K1-S	92.05125	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-K1-S	92.05125	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-K1-S	92.05125	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-K1-S	92.05125	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-K1-S	92.05125	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-K1-S	92.05125	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-K1-S	92.05125	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-K1-S	92.05125	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-K1-S	92.05125	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-K1-S	92.05125	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-K1-S	92.05125	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-K1-S	92.05125	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-K1-S	92.05125	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-K1-S	92.05125	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-K1-S	92.05125	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-K1-S	92.05125	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-K1-S	92.05125	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-K1-S	92.05125	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-K1-S	92.05125	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-K1-S	92.05125	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-K1-S	92.05125	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-K1-S	92.05125	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-K1-S	92.05125	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-K1-S	92.05125	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-K1-S	92.05125	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-K1-S	92.05125	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-K1-S	92.05125	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-K1-S	92.05125	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-K1-S	92.05125	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-K1-S	92.05125	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-K1-S	92.05125	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-K1-S	92.05125	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-K1-S	92.05125	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-K1-S	92.05125	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-K1-S	92.05125	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-K1-S	92.05125	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-K1-S	92.05125	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-K1-S	92.05125	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-K1-S	92.05125	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-K1-S	92.05125	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-K1-S	92.05125	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-K1-S	92.05125	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-K1-S	92.05125	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-K1-S	92.05125	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-K1-S	92.05125	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05125

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05126 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/29/92 Date Analyzed: 4/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-L1-S	92.05126	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-L1-S	92.05126	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-L1-S	92.05126	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-L1-S	92.05126	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-L1-S	92.05126	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-L1-S	92.05126	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-L1-S	92.05126	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-L1-S	92.05126	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-L1-S	92.05126	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-L1-S	92.05126	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-L1-S	92.05126	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-L1-S	92.05126	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-L1-S	92.05126	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-L1-S	92.05126	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-L1-S	92.05126	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-L1-S	92.05126	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-L1-S	92.05126	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-L1-S	92.05126	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-L1-S	92.05126	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-L1-S	92.05126	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-L1-S	92.05126	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-L1-S	92.05126	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-L1-S	92.05126	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-L1-S	92.05126	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-L1-S	92.05126	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-L1-S	92.05126	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-L1-S	92.05126	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-L1-S	92.05126	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-L1-S	92.05126	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-L1-S	92.05126	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-L1-S	92.05126	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-L1-S	92.05126	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-L1-S	92.05126	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-L1-S	92.05126	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-L1-S	92.05126	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-L1-S	92.05126	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-L1-S	92.05126	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-L1-S	92.05126	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-L1-S	92.05126	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-L1-S	92.05126	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-L1-S	92.05126	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-L1-S	92.05126	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-L1-S	92.05126	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-L1-S	92.05126	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-L1-S	92.05126	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-L1-S	92.05126	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-L1-S	92.05126	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-L1-S	92.05126	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-L1-S	92.05126	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-L1-S	92.05126	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-L1-S	92.05126	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-L1-S	92.05126	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-L1-S	92.05126	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-L1-S	92.05126	71556	6.5	1.95	UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-L1-S	92.05126	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-L1-S	92.05126	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-L1-S	92.05126	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-L1-S	92.05126	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-L1-S	92.05126	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-L1-S	92.05126	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-L1-S	92.05126	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-L1-S	92.05126	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-L1-S	92.05126	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05126

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05127 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-M1-S	92.05127	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-M1-S	92.05127	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-M1-S	92.05127	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-M1-S	92.05127	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-M1-S	92.05127	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-M1-S	92.05127	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-M1-S	92.05127	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-M1-S	92.05127	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-M1-S	92.05127	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-M1-S	92.05127	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-M1-S	92.05127	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-M1-S	92.05127	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-M1-S	92.05127	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-M1-S	92.05127	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-M1-S	92.05127	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-M1-S	92.05127	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-M1-S	92.05127	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-M1-S	92.05127	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-M1-S	92.05127	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-M1-S	92.05127	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-M1-S	92.05127	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-M1-S	92.05127	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-M1-S	92.05127	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-M1-S	92.05127	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-M1-S	92.05127	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-M1-S	92.05127	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-M1-S	92.05127	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-M1-S	92.05127	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-M1-S	92.05127	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-M1-S	92.05127	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-M1-S	92.05127	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-M1-S	92.05127	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-M1-S	92.05127	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-M1-S	92.05127	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-M1-S	92.05127	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-M1-S	92.05127	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-M1-S	92.05127	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-M1-S	92.05127	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-M1-S	92.05127	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-M1-S	92.05127	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-M1-S	92.05127	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-M1-S	92.05127	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-M1-S	92.05127	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-M1-S	92.05127	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-M1-S	92.05127	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-M1-S	92.05127	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-M1-S	92.05127	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-M1-S	92.05127	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-M1-S	92.05127	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-M1-S	.92.05127	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-M1-S	92.05127	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-M1-S	92.05127	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-M1-S	92.05127	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-M1-S	92.05127	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-M1-S	92.05127	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-M1-S	92.05127	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-M1-S	92.05127	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-M1-S	92.05127	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-M1-S	92.05127	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-M1-S	92.05127	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-M1-S	92.05127	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-M1-S	92.05127	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-M1-S	92.05127	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05127

none

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05128 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/29/92 Date Analyzed: 4/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-N1-S	92.05128	67641	38.	11.4	UG/KG	8/18/92		Acetone
53-SC-N1-S	92.05128	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-N1-S	92.05128	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-N1-S	92.05128	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-N1-S	92.05128	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-N1-S	92.05128	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-N1-S	92.05128	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-N1-S	92.05128	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-N1-S	92.05128	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-N1-S	92.05128	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-N1-S	92.05128	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-N1-S	92.05128	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-N1-S	92.05128	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-N1-S	92.05128	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-N1-S	92.05128	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-N1-S	92.05128	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-N1-S	92.05128	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-N1-S	92.05128	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-N1-S	92.05128	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-N1-S	92.05128	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-N1-S	92.05128	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-N1-S	92.05128	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-N1-S	92.05128	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-N1-S	92.05128	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-N1-S	92.05128	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-N1-S	92.05128	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-N1-S	92.05128	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-N1-S	92.05128	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-N1-S	92.05128	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-N1-S	92.05128	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-N1-S	92.05128	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-N1-S	92.05128	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-N1-S	92.05128	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-N1-S	92.05128	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-N1-S	92.05128	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-N1-S	92.05128	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-N1-S	92.05128	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-N1-S	92.05128	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-N1-S	92.05128	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-N1-S	92.05128	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-N1-S	92.05128	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-N1-S	92.05128	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-N1-S	92.05128	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-N1-S	92.05128	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-N1-S	92.05128	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-N1-S	92.05128	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-N1-S	92.05128	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-N1-S	92.05128	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-N1-S	92.05128	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-N1-S	92.05128	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-N1-S	92.05128	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-N1-S	92.05128	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-N1-S	92.05128	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-N1-S	92.05128	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-N1-S	92.05128	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-N1-S	92.05128	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-N1-S	92.05128	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-N1-S	92.05128	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-N1-S	92.05128	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-N1-S	92.05128	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-N1-S	92.05128	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-N1-S	92.05128	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-N1-S	92.05128	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05128

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05129 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-01-S	92.05129	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-01-S	92.05129	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-01-S	92.05129	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-01-S	92.05129	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-01-S	92.05129	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-01-S	92.05129	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-01-S	92.05129	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-01-S	92.05129	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-01-S	92.05129	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-01-S	92.05129	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-01-S	92.05129	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-01-S	92.05129	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-01-S	92.05129	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-01-S	92.05129	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-01-S	92.05129	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-01-S	92.05129	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-01-S	92.05129	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-01-S	92.05129	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-01-S	92.05129	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-01-S	92.05129	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-01-S	92.05129	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-01-S	92.05129	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-01-S	92.05129	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-01-S	92.05129	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-01-S	92.05129	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-01-S	92.05129	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-01-S	92.05129	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-01-S	92.05129	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-01-S	92.05129	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-01-S	92.05129	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-01-S	92.05129	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-01-S	92.05129	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-01-S	92.05129	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-01-S	92.05129	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-01-S	92.05129	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-01-S	92.05129	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-01-S	92.05129	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-01-S	92.05129	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-01-S	92.05129	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-01-S	92.05129	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-01-S	92.05129	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-01-S	92.05129	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-01-S	92.05129	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-01-S	92.05129	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-01-S	92.05129	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-01-S	92.05129	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-01-S	92.05129	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-01-S	92.05129	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-01-S	92.05129	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-01-S	.92.05129	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-01-S	92.05129	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-01-S	92.05129	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-01-S	92.05129	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-01-S	92.05129	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-01-S	92.05129	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-01-S	92.05129	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-01-S	92.05129	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-01-S	92.05129	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-01-S	92.05129	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-01-S	92.05129	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-01-S	92.05129	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-01-S	92.05129	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-01-S	92.05129	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05129

none

REPORT ...BER: 14935

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05130 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-P1-S	92.05130	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-P1-S	92.05130	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-P1-S	92.05130	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-P1-S	92.05130	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-P1-S	92.05130	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-P1-S	92.05130	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-P1-S	92.05130	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-P1-S	92.05130	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-P1-S	92.05130	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-P1-S	92.05130	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-P1-S	92.05130	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-P1-S	92.05130	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-P1-S	92.05130	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-P1-S	92.05130	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-P1-S	92.05130	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-P1-S	92.05130	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-P1-S	92.05130	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-P1-S	92.05130	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-P1-S	92.05130	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-P1-S	92.05130	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-P1-S	92.05130	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-P1-S	92.05130	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-P1-S	92.05130	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-P1-S	92.05130	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-P1-S	92.05130	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-P1-S	92.05130	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-P1-S	92.05130	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-P1-S	92.05130	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-P1-S	92.05130	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-P1-S	92.05130	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-P1-S	92.05130	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-P1-S	92.05130	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-P1-S	92.05130	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-P1-S	92.05130	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-P1-S	92.05130	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-P1-S	92.05130	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-P1-S	92.05130	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-P1-S	92.05130	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-P1-S	92.05130	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-P1-S	92.05130	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-P1-S	92.05130	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-P1-S	92.05130	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-P1-S	92.05130	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-P1-S	92.05130	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-P1-S	92.05130	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-P1-S	92.05130	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-P1-S	92.05130	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-P1-S	92.05130	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-P1-S	92.05130	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-P1-S	92.05130	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-P1-S	92.05130	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-P1-S	92.05130	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-P1-S	92.05130	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-P1-S	92.05130	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-P1-S	92.05130	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-P1-S	92.05130	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-P1-S	92.05130	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-P1-S	92.05130	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-P1-S	92.05130	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-P1-S	92.05130	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-P1-S	92.05130	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-P1-S	92.05130	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-P1-S	92.05130	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05130

none

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05131 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-Q1-S	92.05131	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-Q1-S	92.05131	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-Q1-S	92.05131	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-Q1-S	92.05131	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-Q1-S	92.05131	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-Q1-S	92.05131	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-Q1-S	92.05131	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-Q1-S	92.05131	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-Q1-S	92.05131	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-Q1-S	92.05131	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-Q1-S	92.05131	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-Q1-S	92.05131	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-Q1-S	92.05131	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-Q1-S	92.05131	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-Q1-S	92.05131	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-Q1-S	92.05131	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-Q1-S	92.05131	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-Q1-S	92.05131	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-Q1-S	92.05131	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-Q1-S	92.05131	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-Q1-S	92.05131	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-Q1-S	92.05131	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-Q1-S	92.05131	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-Q1-S	92.05131	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-Q1-S	92.05131	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-Q1-S	92.05131	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-Q1-S	92.05131	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-Q1-S	92.05131	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-Q1-S	92.05131	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-Q1-S	92.05131	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-Q1-S	92.05131	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-Q1-S	92.05131	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-Q1-S	92.05131	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-Q1-S	92.05131	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-Q1-S	92.05131	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-Q1-S	92.05131	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-Q1-S	92.05131	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-Q1-S	92.05131	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-Q1-S	92.05131	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-Q1-S	92.05131	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-Q1-S	92.05131	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-Q1-S	92.05131	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-Q1-S	92.05131	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-Q1-S	92.05131	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-Q1-S	92.05131	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-Q1-S	92.05131	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-Q1-S	92.05131	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-Q1-S	92.05131	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-Q1-S	92.05131	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-Q1-S	92.05131	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-Q1-S	92.05131	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-Q1-S	92.05131	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-Q1-S	92.05131	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-Q1-S	92.05131	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-Q1-S	92.05131	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-Q1-S	92.05131	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-Q1-S	92.05131	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-Q1-S	92.05131	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-Q1-S	92.05131	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-Q1-S	92.05131	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-Q1-S	92.05131	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-Q1-S	92.05131	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

REPORT . .BER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-Q1-S	92.05131	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05131

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05132 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-R1-S	92.05132	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-R1-S	92.05132	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-R1-S	92.05132	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-R1-S	92.05132	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-R1-S	92.05132	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-R1-S	92.05132	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-R1-S	92.05132	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-R1-S	92.05132	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-R1-S	92.05132	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-R1-S	92.05132	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-R1-S	92.05132	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-R1-S	92.05132	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-R1-S	92.05132	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-R1-S	.92.05132	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-R1-S	92.05132	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-R1-S	92.05132	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-R1-S	92.05132	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-R1-S	92.05132	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-R1-S	92.05132	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-R1-S	92.05132	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-R1-S	92.05132	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-R1-S	92.05132	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-R1-S	92.05132	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-R1-S	92.05132	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-R1-S	92.05132	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-R1-S	92.05132	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-R1-S	92.05132	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-R1-S	92.05132	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-R1-S	92.05132	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-R1-S	92.05132	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-R1-S	92.05132	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-R1-S	92.05132	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-R1-S	92.05132	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-R1-S	92.05132	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-R1-S	92.05132	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-R1-S	92.05132	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-R1-S	92.05132	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-R1-S	92.05132	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-R1-S	92.05132	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-R1-S	92.05132	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-R1-S	92.05132	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-R1-S	92.05132	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-R1-S	92.05132	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-R1-S	92.05132	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-R1-S	92.05132	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-R1-S	92.05132	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-R1-S	92.05132	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-R1-S	92.05132	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-R1-S	92.05132	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-R1-S	92.05132	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-R1-S	92.05132	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-R1-S	92.05132	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-R1-S	92.05132	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-R1-S	92.05132	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-R1-S	92.05132	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-R1-S	92.05132	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-R1-S	92.05132	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-R1-S	92.05132	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-R1-S	92.05132	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-R1-S	92.05132	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-R1-S	92.05132	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-R1-S	92.05132	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-R1-S	92.05132	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05132

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05133 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-S1-S	92.05133	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-S1-S	92.05133	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-S1-S	92.05133	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-S1-S	92.05133	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-S1-S	92.05133	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-S1-S	92.05133	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-S1-S	92.05133	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-S1-S	92.05133	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-S1-S	92.05133	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-S1-S	92.05133	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-S1-S	92.05133	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-S1-S	92.05133	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-S1-S	92.05133	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-S1-S	92.05133	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-S1-S	92.05133	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-S1-S	92.05133	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-S1-S	92.05133	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-S1-S	92.05133	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-S1-S	92.05133	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-S1-S	92.05133	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-S1-S	92.05133	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-S1-S	92.05133	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-S1-S	92.05133	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-S1-S	92.05133	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-S1-S	92.05133	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-S1-S	92.05133	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-S1-S	92.05133	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-S1-S	92.05133	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-S1-S	92.05133	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-S1-S	92.05133	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-S1-S	92.05133	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-S1-S	92.05133	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-S1-S	92.05133	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-S1-S	92.05133	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-S1-S	92.05133	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-S1-S	92.05133	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-S1-S	92.05133	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-S1-S	92.05133	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-S1-S	92.05133	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-S1-S	92.05133	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-S1-S	92.05133	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-S1-S	92.05133	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-S1-S	92.05133	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-S1-S	92.05133	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-S1-S	92.05133	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-S1-S	92.05133	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-S1-S	92.05133	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-S1-S	92.05133	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-S1-S	92.05133	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-S1-S	92.05133	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-S1-S	92.05133	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-S1-S	92.05133	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-S1-S	92.05133	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-S1-S	92.05133	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-S1-S	92.05133	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-S1-S	92.05133	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-S1-S	92.05133	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-S1-S	92.05133	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-S1-S	92.05133	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-S1-S	92.05133	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-S1-S	92.05133	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-S1-S	92.05133	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-S1-S	92.05133	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05133

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05134 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-T1-S	92.05134	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-T1-S	92.05134	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-T1-S	92.05134	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-T1-S	92.05134	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-T1-S	92.05134	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-T1-S	92.05134	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-T1-S	92.05134	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-T1-S	92.05134	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-T1-S	92.05134	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-T1-S	92.05134	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-T1-S	92.05134	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-T1-S	92.05134	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-T1-S	92.05134	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-T1-S	92.05134	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-T1-S	92.05134	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-T1-S	92.05134	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-T1-S	92.05134	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-T1-S	92.05134	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-T1-S	92.05134	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-T1-S	92.05134	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-T1-S	92.05134	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-T1-S	92.05134	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-T1-S	92.05134	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-T1-S	92.05134	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-T1-S	92.05134	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-T1-S	92.05134	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

REPORT ER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-T1-S	92.05134	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-T1-S	92.05134	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-T1-S	92.05134	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-T1-S	92.05134	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-T1-S	92.05134	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-T1-S	92.05134	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-T1-S	92.05134	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-T1-S	92.05134	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-T1-S	92.05134	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-T1-S	92.05134	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-T1-S	92.05134	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-T1-S	92.05134	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-T1-S	92.05134	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-T1-S	92.05134	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-T1-S	92.05134	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-T1-S	92.05134	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-T1-S	92.05134	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-T1-S	92.05134	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-T1-S	92.05134	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-T1-S	92.05134	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-T1-S	92.05134	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-T1-S	92.05134	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-T1-S	92.05134	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-T1-S	92.05134	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-T1-S	92.05134	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-T1-S	92.05134	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-T1-S	92.05134	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-T1-S	92.05134	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-T1-S	92.05134	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-T1-S	92.05134	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-T1-S	92.05134	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-T1-S	92.05134	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-T1-S	92.05134	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-T1-S	92.05134	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-T1-S	92.05134	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-T1-S	92.05134	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-T1-S	92.05134	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05134

none

REPORT JER: 14935

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05135 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-U1-S	92.05135	67641	680.	204.	UG/KG	8/18/92		Acetone
53-SC-U1-S	92.05135	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-U1-S	92.05135	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-U1-S	92.05135	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-U1-S	92.05135	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-U1-S	92.05135	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-U1-S	92.05135	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-U1-S	92.05135	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-U1-S	92.05135	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-U1-S	92.05135	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-U1-S	92.05135	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-U1-S	92.05135	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-U1-S	92.05135	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-U1-S	92.05135	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-U1-S	92.05135	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-U1-S	92.05135	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-U1-S	92.05135	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-U1-S	92.05135	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-U1-S	92.05135	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-U1-S	92.05135	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-U1-S	92.05135	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-U1-S	92.05135	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-U1-S	92.05135	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-U1-S	92.05135	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-U1-S	92.05135	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-U1-S	92.05135	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-U1-S	92.05135	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-U1-S	92.05135	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-U1-S	92.05135	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-U1-S	92.05135	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-U1-S	92.05135	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-U1-S	92.05135	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-U1-S	92.05135	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-U1-S	92.05135	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-U1-S	92.05135	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-U1-S	92.05135	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-U1-S	92.05135	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-U1-S	92.05135	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-U1-S	92.05135	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-U1-S	92.05135	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-U1-S	92.05135	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-U1-S	92.05135	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-U1-S	92.05135	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-U1-S	92.05135	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-U1-S	92.05135	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-U1-S	92.05135	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-U1-S	92.05135	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-U1-S	92.05135	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-U1-S	92.05135	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-U1-S	92.05135	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-U1-S	92.05135	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-U1-S	92.05135	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-U1-S	92.05135	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-U1-S	92.05135	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-U1-S	92.05135	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-U1-S	92.05135	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-U1-S	92.05135	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-U1-S	92.05135	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-U1-S	92.05135	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-U1-S	92.05135	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-U1-S	92.05135	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-U1-S	92.05135	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-U1-S	92.05135	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05135

none

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05136 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/29/92 Date Analyzed: 4/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-CBS-S	92.05136	67641	< 20.		UG/KG	8/18/92		Acetone
53-SC-CBS-S	92.05136	71432	< 5.		UG/KG	8/18/92		Benzene
53-SC-CBS-S	92.05136	108861	< 5.		UG/KG	8/18/92		Bromobenzene
53-SC-CBS-S	92.05136	74975	< 5.		UG/KG	8/18/92		Bromochloromethane
53-SC-CBS-S	92.05136	75274	< 5.		UG/KG	8/18/92		Bromodichloromethane
53-SC-CBS-S	92.05136	75252	< 5.		UG/KG	8/18/92		Bromoform
53-SC-CBS-S	92.05136	74839	< 10.		UG/KG	8/18/92		Bromomethane
53-SC-CBS-S	92.05136	78933	< 20.		UG/KG	8/18/92		2-Butanone
53-SC-CBS-S	92.05136	104518	< 5.		UG/KG	8/18/92		n-Butylbenzene
53-SC-CBS-S	92.05136	135988	< 5.		UG/KG	8/18/92		sec-Butylbenzene
53-SC-CBS-S	92.05136	98066	< 5.		UG/KG	8/18/92		tert-Butylbenzene
53-SC-CBS-S	92.05136	75150	< 5.		UG/KG	8/18/92		Carbon disulfide
53-SC-CBS-S	92.05136	56235	< 5.		UG/KG	8/18/92		Carbon tetrachloride
53-SC-CBS-S	92.05136	108907	< 5.		UG/KG	8/18/92		Chlorobenzene
53-SC-CBS-S	92.05136	124481	< 5.		UG/KG	8/18/92		Chlorodibromomethane
53-SC-CBS-S	92.05136	75003	< 10.		UG/KG	8/18/92		Chloroethane
53-SC-CBS-S	92.05136	67663	< 5.		UG/KG	8/18/92		Chloroform
53-SC-CBS-S	92.05136	74873	< 10.		UG/KG	8/18/92		Chloromethane
53-SC-CBS-S	92.05136	95498	< 5.		UG/KG	8/18/92		o-Chlorotoluene
53-SC-CBS-S	92.05136	106434	< 5.		UG/KG	8/18/92		p-Chlorotoluene
53-SC-CBS-S	92.05136	96128	< 10.		UG/KG	8/18/92		1,2-Dibromo-3-chloropropane
53-SC-CBS-S	92.05136	106934	< 5.		UG/KG	8/18/92		1,2-Dibromoethane
53-SC-CBS-S	92.05136	74953	< 5.		UG/KG	8/18/92		Dibromomethane
53-SC-CBS-S	92.05136	95501	< 5.		UG/KG	8/18/92		o-Dichlorobenzene (1,2)
53-SC-CBS-S	92.05136	541731	< 5.		UG/KG	8/18/92		m-Dichlorobenzene (1,3)
53-SC-CBS-S	92.05136	106467	< 5.		UG/KG	8/18/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-CBS-S	92.05136	75718	< 10.		UG/KG	8/18/92		Dichlorodifluoromethane
53-SC-CBS-S	92.05136	75343	< 5.		UG/KG	8/18/92		1,1-Dichloroethane
53-SC-CBS-S	92.05136	107062	< 5.		UG/KG	8/18/92		1,2-Dichloroethane
53-SC-CBS-S	92.05136	75354	< 5.		UG/KG	8/18/92		1,1-Dichloroethene
53-SC-CBS-S	92.05136	156605	< 5.		UG/KG	8/18/92		trans-1,2-Dichloroethene
53-SC-CBS-S	92.05136	156592	< 5.		UG/KG	8/18/92		cis-1,2-Dichloroethylene
53-SC-CBS-S	92.05136	78875	< 5.		UG/KG	8/18/92		1,2-Dichloropropane
53-SC-CBS-S	92.05136	142289	< 5.		UG/KG	8/18/92		1,3-Dichloropropane
53-SC-CBS-S	92.05136	594207	< 5.		UG/KG	8/18/92		2,2-Dichloropropane
53-SC-CBS-S	92.05136	563586	< 5.		UG/KG	8/18/92		1,1-Dichloropropene
53-SC-CBS-S	92.05136	10061015	< 5.		UG/KG	8/18/92		cis-1,3-Dichloropropene
53-SC-CBS-S	92.05136	10061026	< 5.		UG/KG	8/18/92		trans-1,3-Dichloropropene
53-SC-CBS-S	92.05136	100414	< 5.		UG/KG	8/18/92		Ethylbenzene
53-SC-CBS-S	92.05136	106934	< 5.		UG/KG	8/18/92		Ethylene dibromide
53-SC-CBS-S	92.05136	591786	< 20.		UG/KG	8/18/92		2-Hexanone
53-SC-CBS-S	92.05136	98828	< 5.		UG/KG	8/18/92		Isopropylbenzene
53-SC-CBS-S	92.05136	99876	< 5.		UG/KG	8/18/92		4-Isopropyltoluene
53-SC-CBS-S	92.05136	74884	< 5.		UG/KG	8/18/92		Methyl iodide
53-SC-CBS-S	92.05136	108101	< 20.		UG/KG	8/18/92		4-Methyl-2-pentanone
53-SC-CBS-S	92.05136	75092	< 5.		UG/KG	8/18/92		Methylene chloride
53-SC-CBS-S	92.05136	103651	< 5.		UG/KG	8/18/92		Propylbenzene
53-SC-CBS-S	92.05136	100425	< 5.		UG/KG	8/18/92		Styrene
53-SC-CBS-S	92.05136	630206	< 5.		UG/KG	8/18/92		1,1,1,2-Tetrachloroethane
53-SC-CBS-S	92.05136	79345	< 5.		UG/KG	8/18/92		1,1,2,2-Tetrachloroethane
53-SC-CBS-S	92.05136	127184	< 5.		UG/KG	8/18/92		Tetrachloroethylene
53-SC-CBS-S	92.05136	108883	< 5.		UG/KG	8/18/92		Toluene
53-SC-CBS-S	92.05136	76131	< 5.		UG/KG	8/18/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-CBS-S	92.05136	71556	< 5.		UG/KG	8/18/92		1,1,1-Trichloroethane
53-SC-CBS-S	92.05136	79005	< 5.		UG/KG	8/18/92		1,1,2-Trichloroethane
53-SC-CBS-S	92.05136	79016	< 5.		UG/KG	8/18/92		Trichloroethene
53-SC-CBS-S	92.05136	75694	< 5.		UG/KG	8/18/92		Trichlorofluoromethane
53-SC-CBS-S	92.05136	96184	< 5.		UG/KG	8/18/92		1,2,3-Trichloropropane
53-SC-CBS-S	92.05136	95636	< 5.		UG/KG	8/18/92		1,2,4-Trimethylbenzene
53-SC-CBS-S	92.05136	108678	< 5.		UG/KG	8/18/92		1,3,5-Trimethylbenzene
53-SC-CBS-S	92.05136	108054	< 10.		UG/KG	8/18/92		Vinyl acetate
53-SC-CBS-S	92.05136	75014	< 10.		UG/KG	8/18/92		Vinyl chloride

REPORT . .BER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-CBS-S	92.05136	1330207	< 5.		UG/KG	8/18/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05136

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05137 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: Date Analyzed:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-TPBLK	92.05137	67641	< 20.		UG/L	8/18/92	Y	Acetone
53-SC-TPBLK	92.05137	71432	< 5.		UG/L	8/18/92	Y	Benzene
53-SC-TPBLK	92.05137	108861	< 5.		UG/L	8/18/92	Y	Bromobenzene
53-SC-TPBLK	92.05137	74975	< 5.		UG/L	8/18/92	Y	Bromochloromethane
53-SC-TPBLK	92.05137	75274	< 5.		UG/L	8/18/92	Y	Bromodichloromethane
53-SC-TPBLK	92.05137	75252	< 5.		UG/L	8/18/92	Y	Bromoform
53-SC-TPBLK	92.05137	74839	< 10.		UG/L	8/18/92	Y	Bromomethane
53-SC-TPBLK	92.05137	78933	< 20.		UG/L	8/18/92	Y	2-Butanone
53-SC-TPBLK	92.05137	104518	< 5.		UG/L	8/18/92	Y	n-Butylbenzene
53-SC-TPBLK	92.05137	135988	< 5.		UG/L	8/18/92	Y	sec-Butylbenzene
53-SC-TPBLK	92.05137	98066	< 5.		UG/L	8/18/92	Y	tert-Butylbenzene
53-SC-TPBLK	92.05137	75150	< 5.		UG/L	8/18/92	Y	Carbon disulfide
53-SC-TPBLK	92.05137	56235	< 5.		UG/L	8/18/92	Y	Carbon tetrachloride
53-SC-TPBLK	92.05137	108907	< 5.		UG/L	8/18/92	Y	Chlorobenzene
53-SC-TPBLK	92.05137	124481	< 5.		UG/L	8/18/92	Y	Chlorodibromomethane
53-SC-TPBLK	92.05137	75003	< 10.		UG/L	8/18/92	Y	Chloroethane
53-SC-TPBLK	92.05137	67663	< 5.		UG/L	8/18/92	Y	Chloroform
53-SC-TPBLK	92.05137	74873	< 10.		UG/L	8/18/92	Y	Chloromethane
53-SC-TPBLK	92.05137	95498	< 5.		UG/L	8/18/92	Y	o-Chlorotoluene
53-SC-TPBLK	92.05137	106434	< 5.		UG/L	8/18/92	Y	p-Chlorotoluene
53-SC-TPBLK	92.05137	96128	< 10.		UG/L	8/18/92	Y	1,2-Dibromo-3-chloropropane
53-SC-TPBLK	92.05137	106934	< 5.		UG/L	8/18/92	Y	1,2-Dibromoethane
53-SC-TPBLK	92.05137	74953	< 5.		UG/L	8/18/92	Y	Dibromomethane
53-SC-TPBLK	92.05137	95501	< 5.		UG/L	8/18/92	Y	o-Dichlorobenzene (1,2)
53-SC-TPBLK	92.05137	541731	< 5.		UG/L	8/18/92	Y	m-Dichlorobenzene (1,3)
53-SC-TPBLK	92.05137	106467	< 5.		UG/L	8/18/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-TPBLK	92.05137	75718	< 10.		UG/L	8/18/92	Y	Dichlorodifluoromethane
53-SC-TPBLK	92.05137	75343	< 5.		UG/L	8/18/92	Y	1,1-Dichloroethane
53-SC-TPBLK	92.05137	107062	< 5.		UG/L	8/18/92	Y	1,2-Dichloroethane
53-SC-TPBLK	92.05137	75354	< 5.		UG/L	8/18/92	Y	1,1-Dichloroethene
53-SC-TPBLK	92.05137	156605	< 5.		UG/L	8/18/92	Y	trans-1,2-Dichloroethene
53-SC-TPBLK	92.05137	156592	< 5.		UG/L	8/18/92	Y	cis-1,2-Dichloroethylene
53-SC-TPBLK	92.05137	78875	< 5.		UG/L	8/18/92	Y	1,2-Dichloropropane
53-SC-TPBLK	92.05137	142289	< 5.		UG/L	8/18/92	Y	1,3-Dichloropropane
53-SC-TPBLK	92.05137	594207	< 5.		UG/L	8/18/92	Y	2,2-Dichloropropane
53-SC-TPBLK	92.05137	563586	< 5.		UG/L	8/18/92	Y	1,1-Dichloropropene
53-SC-TPBLK	92.05137	10061015	< 5.		UG/L	8/18/92	Y	cis-1,3-Dichloropropene
53-SC-TPBLK	92.05137	10061026	< 5.		UG/L	8/18/92	Y	trans-1,3-Dichloropropene
53-SC-TPBLK	92.05137	100414	< 5.		UG/L	8/18/92	Y	Ethylbenzene
53-SC-TPBLK	92.05137	106934	< 5.		UG/L	8/18/92	Y	Ethylene dibromide
53-SC-TPBLK	92.05137	591786	< 20.		UG/L	8/18/92	Y	2-Hexanone
53-SC-TPBLK	92.05137	98828	< 5.		UG/L	8/18/92	Y	Isopropylbenzene
53-SC-TPBLK	92.05137	99876	< 5.		UG/L	8/18/92	Y	4-Isopropyltoluene
53-SC-TPBLK	92.05137	74884	< 5.		UG/L	8/18/92	Y	Methyl iodide
53-SC-TPBLK	92.05137	108101	< 20.		UG/L	8/18/92	Y	4-Methyl-2-pentanone
53-SC-TPBLK	92.05137	75092	< 5.		UG/L	8/18/92	Y	Methylene chloride
53-SC-TPBLK	92.05137	103651	< 5.		UG/L	8/18/92	Y	Propylbenzene
53-SC-TPBLK	92.05137	100425	< 5.		UG/L	8/18/92	Y	Styrene
53-SC-TPBLK	92.05137	630206	< 5.		UG/L	8/18/92	Y	1,1,1,2-Tetrachloroethane
53-SC-TPBLK	92.05137	79345	< 5.		UG/L	8/18/92	Y	1,1,2,2-Tetrachloroethane
53-SC-TPBLK	92.05137	127184	< 5.		UG/L	8/18/92	Y	Tetrachloroethylene
53-SC-TPBLK	92.05137	108883	< 5.		UG/L	8/18/92	Y	Toluene
53-SC-TPBLK	92.05137	76131	< 5.		UG/L	8/18/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-TPBLK	92.05137	71556	< 5.		UG/L	8/18/92	Y	1,1,1-Trichloroethane
53-SC-TPBLK	92.05137	79005	< 5.		UG/L	8/18/92	Y	1,1,2-Trichloroethane
53-SC-TPBLK	92.05137	79016	< 5.		UG/L	8/18/92	Y	Trichloroethene
53-SC-TPBLK	92.05137	75694	< 5.		UG/L	8/18/92	Y	Trichlorofluoromethane
53-SC-TPBLK	92.05137	96184	< 5.		UG/L	8/18/92	Y	1,2,3-Trichloropropane
53-SC-TPBLK	92.05137	95636	< 5.		UG/L	8/18/92	Y	1,2,4-Trimethylbenzene
53-SC-TPBLK	92.05137	108678	< 5.		UG/L	8/18/92	Y	1,3,5-Trimethylbenzene
53-SC-TPBLK	92.05137	108054	< 10.		UG/L	8/18/92	Y	Vinyl acetate
53-SC-TPBLK	92.05137	75014	< 10.		UG/L	8/18/92	Y	Vinyl chloride

REPORT NUMBER: 14935

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-TPBLK	92.05137	1330207	< 5.		UG/L	8/18/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05137

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA VOLATILES Prepared by: EAJ on 18-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 14935

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.05369 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05369	67641	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	Acetone
00.20227	92.05369	71432	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Benzene
00.20227	92.05369	108861	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromobenzene
00.20227	92.05369	74975	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromochloromethane
00.20227	92.05369	75274	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.05369	75252	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromoform
00.20227	92.05369	74839	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromomethane
00.20227	92.05369	78933	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Butanone
00.20227	92.05369	104518	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.05369	135988	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.05369	98066	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.05369	75150	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon disulfide
00.20227	92.05369	56235	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.05369	108907	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorobenzene
00.20227	92.05369	124481	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.05369	75003	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroethane
00.20227	.92.05369	67663	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroform
00.20227	92.05369	74873	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloromethane
00.20227	92.05369	95498	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.05369	106434	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.05369	96128	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05369	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.05369	74953	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dibromomethane
00.20227	92.05369	95501	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05369	541731	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05369	106467	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05369	75718	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.05369	75343	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.05369	107062	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.05369	75354	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.05369	156605	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.05369	156592	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.05369	78875	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.05369	142289	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.05369	594207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.05369	563586	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.05369	10061015	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.05369	10061026	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.05369	100414	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylbenzene
00.20227	92.05369	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.05369	591786	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Hexanone
00.20227	92.05369	98828	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.05369	99876	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.05369	74884	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methyl iodide
00.20227	92.05369	108101	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.05369	75092	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methylene chloride
00.20227	92.05369	103651	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Propylbenzene
00.20227	92.05369	100425	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Styrene
00.20227	92.05369	630206	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.05369	79345	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.05369	127184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.05369	108883	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Toluene
00.20227	92.05369	76131	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.05369	71556	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.05369	79005	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.05369	79016	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichloroethene
00.20227	92.05369	75694	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichlorofluoromethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05369	96184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.05369	95636	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.05369	108678	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.05369	108054	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl acetate
00.20227	92.05369	75014	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl chloride
00.20227	92.05369	1330207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.05370 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/22/92 Date Analyzed: 4/22/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05370	67641	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	Acetone
00.20227	92.05370	71432	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Benzene
00.20227	92.05370	108861	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromobenzene
00.20227	92.05370	74975	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromochloromethane
00.20227	92.05370	75274	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.05370	75252	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromoform
00.20227	92.05370	74839	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromomethane
00.20227	92.05370	78933	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Butanone
00.20227	92.05370	104518	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.05370	135988	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.05370	98066	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.05370	75150	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon disulfide
00.20227	92.05370	56235	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.05370	108907	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorobenzene
00.20227	92.05370	124481	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorodibromomethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05370	75003	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroethane
00.20227	92.05370	67663	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroform
00.20227	92.05370	74873	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloromethane
00.20227	92.05370	95498	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.05370	106434	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.05370	96128	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.05370	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.05370	74953	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dibromomethane
00.20227	92.05370	95501	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05370	541731	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05370	106467	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05370	75718	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.05370	75343	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.05370	107062	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.05370	75354	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.05370	156605	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.05370	156592	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.05370	78875	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.05370	142289	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.05370	594207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.05370	563586	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.05370	10061015	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.05370	10061026	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.05370	100414	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylbenzene
00.20227	92.05370	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.05370	591786	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Hexanone
00.20227	92.05370	98828	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.05370	99876	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.05370	74884	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methyl iodide
00.20227	92.05370	108101	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.05370	75092	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methylene chloride
00.20227	92.05370	103651	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Propylbenzene
00.20227	92.05370	100425	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Styrene
00.20227	92.05370	630206	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.05370	79345	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.05370	127184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Tetrachloroethylene

REPORT NUMBER: 14935

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05370	108883	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Toluene
00.20227	92.05370	76131	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.05370	71556	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.05370	79005	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.05370	79016	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichloroethene
00.20227	92.05370	75694	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.05370	96184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.05370	95636	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.05370	108678	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.05370	108054	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl acetate
00.20227	92.05370	75014	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl chloride
00.20227	92.05370	1330207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.05371 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05371	67641	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	Acetone
00.20227	92.05371	71432	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Benzene
00.20227	92.05371	108861	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromobenzene
00.20227	92.05371	74975	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromochloromethane
00.20227	92.05371	75274	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.05371	75252	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromoform
00.20227	92.05371	74839	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromomethane
00.20227	92.05371	78933	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Butanone
00.20227	92.05371	104518	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	n-Butylbenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05371	135988	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.05371	98066	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.05371	75150	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon disulfide
00.20227	92.05371	56235	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.05371	108907	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorobenzene
00.20227	92.05371	124481	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.05371	75003	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroethane
00.20227	92.05371	67663	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroform
00.20227	92.05371	74873	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloromethane
00.20227	92.05371	95498	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.05371	106434	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.05371	96128	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.05371	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.05371	74953	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dibromomethane
00.20227	92.05371	95501	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05371	541731	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05371	106467	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05371	75718	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.05371	75343	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.05371	107062	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.05371	75354	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.05371	156605	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.05371	156592	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.05371	78875	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.05371	142289	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.05371	594207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.05371	563586	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.05371	10061015	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.05371	10061026	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.05371	100414	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylbenzene
00.20227	92.05371	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.05371	591786	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Hexanone
00.20227	92.05371	98828	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.05371	99876	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.05371	74884	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methyl iodide
00.20227	92.05371	108101	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Methyl-2-pentanone

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05371	75092	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methylene chloride
00.20227	92.05371	103651	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Propylbenzene
00.20227	92.05371	100425	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Styrene
00.20227	92.05371	630206	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.05371	79345	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.05371	127184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.05371	108883	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Toluene
00.20227	92.05371	76131	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.05371	71556	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.05371	79005	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.05371	79016	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichloroethene
00.20227	92.05371	75694	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.05371	96184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.05371	95636	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.05371	108678	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.05371	108054	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl acetate
00.20227	92.05371	75014	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl chloride
00.20227	92.05371	1330207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.05372 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05372	67641	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	Acetone
00.20227	92.05372	71432	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Benzene
00.20227	92.05372	108861	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05372	74975	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromochloromethane
00.20227	92.05372	75274	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.05372	75252	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromoform
00.20227	92.05372	74839	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromomethane
00.20227	92.05372	78933	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Butanone
00.20227	92.05372	104518	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.05372	135988	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.05372	98066	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.05372	75150	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon disulfide
00.20227	92.05372	56235	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.05372	108907	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorobenzene
00.20227	92.05372	124481	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.05372	75003	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroethane
00.20227	92.05372	67663	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroform
00.20227	92.05372	74873	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloromethane
00.20227	92.05372	95498	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.05372	106434	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.05372	96128	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.05372	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.05372	74953	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dibromomethane
00.20227	92.05372	95501	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05372	541731	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05372	106467	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05372	75718	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.05372	75343	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.05372	107062	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.05372	75354	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.05372	156605	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.05372	156592	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.05372	78875	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.05372	142289	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.05372	594207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.05372	563586	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.05372	10061015	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.05372	10061026	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.05372	100414	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylbenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05372	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.05372	591786	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Hexanone
00.20227	92.05372	98828	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.05372	99876	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.05372	74884	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methyl iodide
00.20227	92.05372	108101	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.05372	75092	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methylene chloride
00.20227	92.05372	103651	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Propylbenzene
00.20227	92.05372	100425	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Styrene
00.20227	92.05372	630206	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.05372	79345	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.05372	127184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.05372	108883	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Toluene
00.20227	92.05372	76131	25.	7.5	UG/KG	0.0		8/18/92	OUT OF CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.05372	71556	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.05372	79005	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.05372	79016	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichloroethene
00.20227	92.05372	75694	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.05372	96184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.05372	95636	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.05372	108678	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.05372	108054	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl acetate
00.20227	92.05372	75014	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl chloride
00.20227	92.05372	1330207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.06454 Date Collected: 5/08/92 Date Received: 5/08/92 Date Extracted: 4/21/92 Date Analyzed: 4/21/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.06454	67641	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	Acetone

REPORT NUMBER: 14935

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.06454	71432	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Benzene
00.20227	92.06454	108861	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromobenzene
00.20227	92.06454	74975	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromochloromethane
00.20227	92.06454	75274	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.06454	75252	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromoform
00.20227	92.06454	74839	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromomethane
00.20227	92.06454	78933	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Butanone
00.20227	92.06454	104518	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.06454	135988	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.06454	98066	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.06454	75150	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon disulfide
00.20227	92.06454	56235	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.06454	108907	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorobenzene
00.20227	92.06454	124481	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.06454	75003	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroethane
00.20227	92.06454	67663	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroform
00.20227	92.06454	74873	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloromethane
00.20227	92.06454	95498	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.06454	106434	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.06454	96128	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.06454	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.06454	74953	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dibromomethane
00.20227	92.06454	95501	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.06454	541731	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.06454	106467	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.06454	75718	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.06454	75343	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.06454	107062	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.06454	75354	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.06454	156605	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.06454	156592	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.06454	78875	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.06454	142289	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.06454	594207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.06454	563586	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.06454	10061015	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,3-Dichloropropene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.06454	10061026	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.06454	100414	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylbenzene
00.20227	92.06454	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.06454	591786	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	2-Hexanone
00.20227	92.06454	98828	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.06454	99876	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.06454	74884	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methyl iodide
00.20227	92.06454	108101	< 20.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.06454	75092	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methylene chloride
00.20227	92.06454	103651	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Propylbenzene
00.20227	92.06454	100425	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Styrene
00.20227	92.06454	630206	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.06454	79345	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.06454	127184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.06454	108883	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Toluene
00.20227	92.06454	76131	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.06454	71556	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.06454	79005	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.06454	79016	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichloroethene
00.20227	92.06454	75694	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.06454	96184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.06454	95636	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.06454	108678	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.06454	108054	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl acetate
00.20227	92.06454	75014	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl chloride
00.20227	92.06454	1330207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.05367 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/22/92 Date Analyzed: 4/22/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05367	67641	< 20.		UG/KG	117.	12.	8/18/92	OUT OF CONTROL	Acetone
92.05367	71432	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Benzene
92.05367	108861	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromobenzene
92.05367	74975	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromochloromethane
92.05367	75274	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromodichloromethane
92.05367	75252	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromoform
92.05367	74839	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromomethane
92.05367	78933	99.	29.7	UG/KG	125.	13.	8/18/92	UNDER CONTROL	2-Butanone
92.05367	104518	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	n-Butylbenzene
92.05367	135988	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	sec-Butylbenzene
92.05367	98066	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	tert-Butylbenzene
92.05367	75150	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon disulfide
92.05367	56235	150.	45.	UG/KG	151.	15.	8/18/92	UNDER CONTROL	Carbon tetrachloride
92.05367	108907	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorobenzene
92.05367	124481	110.	33.	UG/KG	114.	11.	8/18/92	UNDER CONTROL	Chlorodibromomethane
92.05367	75003	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroethane
92.05367	67663	110.	33.	UG/KG	114.	11.	8/18/92	UNDER CONTROL	Chloroform
92.05367	74873	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloromethane
92.05367	95498	83.	24.9	UG/KG	105.	10.	8/18/92	UNDER CONTROL	o-Chlorotoluene
92.05367	106434	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Chlorotoluene
92.05367	96128	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.05367	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromoethane
92.05367	74953	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dibromomethane
92.05367	95501	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05367	541731	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05367	106467	53.	15.9	UG/KG	103.	10.	8/18/92	WARNING 2-3 SIG	p-Dichlorobenzene (1,4)

92.05367	75718	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dichlorodifluoromethane
92.05367	75343	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethane
92.05367	107062	110.	33.	UG/KG	113.	11.	8/18/92	UNDER CONTROL	1,2-Dichloroethane
92.05367	75354	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethene
92.05367	156605	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.05367	156592	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.05367	78875	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloropropane
92.05367	142289	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3-Dichloropropane
92.05367	594207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	2,2-Dichloropropane
92.05367	563586	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloropropene
92.05367	10061015	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.05367	10061026	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.05367	100414	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylbenzene
92.05367	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylene dibromide
92.05367	591786	100.	30.	UG/KG	106.	11.	8/18/92	UNDER CONTROL	2-Hexanone
92.05367	98828	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Isopropylbenzene
92.05367	99876	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Isopropyltoluene
92.05367	74884	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methyl iodide
92.05367	108101	120.	36.	UG/KG	116.	12.	8/18/92	UNDER CONTROL	4-Methyl-2-pentanone
92.05367	75092	110.	33.	UG/KG	119.	12.	8/18/92	UNDER CONTROL	Methylene chloride
92.05367	103651	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Propylbenzene
92.05367	100425	91.	27.3	UG/KG	119.	12.	8/18/92	UNDER CONTROL	Styrene
92.05367	630206	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
92.05367	79345	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.05367	127184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Tetrachloroethylene
92.05367	108883	99.	29.7	UG/KG	114.	11.	8/18/92	UNDER CONTROL	Toluene
92.05367	76131	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.05367	71556	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1-Trichloroethane
92.05367	79005	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloroethane
92.05367	79016	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichloroethene
92.05367	75694	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichlorofluoromethane
92.05367	96184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,3-Trichloropropane
92.05367	95636	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.05367	108678	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.05367	108054	58.	17.4	UG/KG	117.	12.	8/18/92	WARNING 2-3 SIG	Vinyl acetate
92.05367	75014	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl chloride
92.05367	1330207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blind QC Results, Sample # 92.05368 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/21/92 Date Analyzed: 4/21/92

92.05368	67641	81.	24.3	UG/KG	130.	13.	8/18/92	UNDER CONTROL	Acetone
92.05368	71432	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Benzene
92.05368	108861	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromobenzene
92.05368	74975	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromochloromethane

92.05368	75274	140.	42.	UG/KG	151.	15.	8/18/92	UNDER CONTROL	Bromodichloromethane
92.05368	75252	150.	45.	UG/KG	161.	16.	8/18/92	UNDER CONTROL	Bromoform
92.05368	74839	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Bromomethane
92.05368	78933	95.	28.5	UG/KG	139.	14.	8/18/92	UNDER CONTROL	2-Butanone
92.05368	104518	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	n-Butylbenzene
92.05368	135988	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	sec-Butylbenzene
92.05368	98066	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	tert-Butylbenzene
92.05368	75150	200.	60.	UG/KG	154.	15.	8/18/92	UNDER CONTROL	Carbon disulfide
92.05368	56235	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Carbon tetrachloride
92.05368	108907	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorobenzene
92.05368	124481	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chlorodibromomethane
92.05368	75003	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroethane
92.05368	67663	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloroform
92.05368	74873	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Chloromethane
92.05368	95498	96.	28.8	UG/KG	117.	12.	8/18/92	UNDER CONTROL	o-Chlorotoluene
92.05368	106434	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	p-Chlorotoluene
92.05368	96128	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.05368	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dibromoethane
92.05368	74953	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dibromomethane
92.05368	95501	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05368	541731	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05368	106467	62.	18.6	UG/KG	114.	11.	8/18/92	WARNING 2-3 SIG	p-Dichlorobenzene (1,4)
92.05368	75718	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Dichlorodifluoromethane
92.05368	75343	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethane
92.05368	107062	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloroethane
92.05368	75354	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloroethene
92.05368	156605	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.05368	156592	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.05368	78875	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2-Dichloropropane
92.05368	142289	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3-Dichloropropane
92.05368	594207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	2,2-Dichloropropane
92.05368	563586	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1-Dichloropropene
92.05368	10061015	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.05368	10061026	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.05368	100414	120.	36.	UG/KG	148.	15.	8/18/92	UNDER CONTROL	Ethylbenzene
92.05368	106934	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Ethylene dibromide
92.05368	591786	100.	30.	UG/KG	118.	12.	8/18/92	UNDER CONTROL	2-Hexanone
92.05368	98828	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Isopropylbenzene
92.05368	99876	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	4-Isopropyltoluene
92.05368	74884	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Methyl iodide
92.05368	108101	110.	33.	UG/KG	129.	13.	8/18/92	UNDER CONTROL	4-Methyl-2-pentanone
92.05368	75092	140.	42.	UG/KG	133.	13.	8/18/92	UNDER CONTROL	Methylene chloride
92.05368	103651	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Propylbenzene
92.05368	100425	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Styrene
92.05368	630206	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane

92.05368	79345	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.05368	127184	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Tetrachloroethylene
92.05368	108883	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Toluene
92.05368	76131	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.05368	71556	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,1-Trichloroethane
92.05368	79005	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,1,2-Trichloroethane
92.05368	79016	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichloroethene
92.05368	75694	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Trichlorofluoromethane
92.05368	96184	170.	51.	UG/KG	161.	16.	8/18/92	UNDER CONTROL	1,2,3-Trichloropropane
92.05368	95636	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.05368	108678	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.05368	108054	110.	33.	UG/KG	130.	13.	8/18/92	UNDER CONTROL	Vinyl acetate
92.05368	75014	< 10.		UG/KG	0.0		8/18/92	UNDER CONTROL	Vinyl chloride
92.05368	1330207	< 5.		UG/KG	0.0		8/18/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA VOLATILES

Surrogate 1 = 1,2-Dichloroethane d4 (CAS # = 17060070)
Surrogate 2 = Toluene d8 (CAS # = 2037265)
Surrogate 3 = 4-Bromofluorobenzene (CAS # = 460004)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	COMPLETION DATE	SAMPLE TYPE
92.05120	%	80.2	100.4	133.8	18-Aug-1992	
92.05121	%	94.4	101.4	126.2	18-Aug-1992	
92.05122	%	92.6	101.8	119.	18-Aug-1992	
92.05123	%	102.6	104.2	114.6	18-Aug-1992	
92.05124	%	103.2	97.6	116.6	18-Aug-1992	
92.05125	%	63.6	95.2	145.	18-Aug-1992	
92.05126	%	66.6	94.4	149.4	18-Aug-1992	
92.05127	%	90.8	100.4	120.4	18-Aug-1992	
92.05128	%	84.2	100.8	125.6	18-Aug-1992	
92.05129	%	83.4	102.4	125.8	18-Aug-1992	
92.05130	%	68.4	97.6	133.	18-Aug-1992	
92.05131	%	71.8	99.	123.4	18-Aug-1992	
92.05132	%	85.2	96.4	130.6	18-Aug-1992	
92.05133	%	89.2	99.8	130.	18-Aug-1992	
92.05134	%	82.4	95.8	130.	18-Aug-1992	
92.05135	%	95.2	89.4	143.	18-Aug-1992	
92.05136	%	103.2	100.6	108.8	18-Aug-1992	
92.05137	%	96.8	99.2	96.8	18-Aug-1992	
92.05367	%	97.6	104.6	100.2	18-Aug-1992	
92.05368	%	98.8	100.6	96.	18-Aug-1992	
92.05369	%	96.6	102.6	97.8	18-Aug-1992	B
92.05370	%	100.8	106.4	106.2	18-Aug-1992	B
92.05371	%	94.4	107.	102.8	18-Aug-1992	B
92.05372	%	88.2	100.	86.2	18-Aug-1992	B
92.06454	%	102.4	99.	101.6	18-Aug-1992	B

EPA Limits:

Water	%	76 - 114	88 - 110	86 - 115
Soil	%	70 - 121	81 - 117	74 - 121

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14935

M. Manager for TRB	Laura Kelly	Chris Kelly	mag
Analyst	Reviewer	Section Leader	QA Officer
8/19/92	8/19/92	8/21/92	8/21/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 2-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05154 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W	92.05154	67641	29.	8.7	UG/L	5/29/92	Y	Acetone
53-SC-G1-W	92.05154	71432	< 5.		UG/L	5/29/92	Y	Benzene
53-SC-G1-W	92.05154	108861	< 5.		UG/L	5/29/92	Y	Bromobenzene
53-SC-G1-W	92.05154	74975	< 5.		UG/L	5/29/92	Y	Bromochloromethane
53-SC-G1-W	92.05154	75274	< 5.		UG/L	5/29/92	Y	Bromodichloromethane
53-SC-G1-W	92.05154	75252	< 5.		UG/L	5/29/92	Y	Bromoform
53-SC-G1-W	92.05154	74839	< 10.		UG/L	5/29/92	Y	Bromomethane
53-SC-G1-W	92.05154	78933	< 20.		UG/L	5/29/92	Y	2-Butanone
53-SC-G1-W	92.05154	104518	< 5.		UG/L	5/29/92	Y	n-Butylbenzene
53-SC-G1-W	92.05154	135988	< 5.		UG/L	5/29/92	Y	sec-Butylbenzene
53-SC-G1-W	92.05154	98066	< 5.		UG/L	5/29/92	Y	tert-Butylbenzene
53-SC-G1-W	92.05154	75150	< 5.		UG/L	5/29/92	Y	Carbon disulfide
53-SC-G1-W	92.05154	56235	< 5.		UG/L	5/29/92	Y	Carbon tetrachloride
53-SC-G1-W	92.05154	108907	< 5.		UG/L	5/29/92	Y	Chlorobenzene
53-SC-G1-W	92.05154	124481	< 5.		UG/L	5/29/92	Y	Chlorodibromomethane
53-SC-G1-W	92.05154	75003	< 10.		UG/L	5/29/92	Y	Chloroethane
53-SC-G1-W	92.05154	67663	< 5.		UG/L	5/29/92	Y	Chloroform
53-SC-G1-W	92.05154	74873	< 10.		UG/L	5/29/92	Y	Chloromethane
53-SC-G1-W	92.05154	95498	< 5.		UG/L	5/29/92	Y	o-Chlorotoluene
53-SC-G1-W	92.05154	106434	< 5.		UG/L	5/29/92	Y	p-Chlorotoluene
53-SC-G1-W	92.05154	96128	< 10.		UG/L	5/29/92	Y	1,2-Dibromo-3-chloropropane
53-SC-G1-W	92.05154	106934	< 5.		UG/L	5/29/92	Y	1,2-Dibromoethane
53-SC-G1-W	92.05154	74953	< 5.		UG/L	5/29/92	Y	Dibromomethane
53-SC-G1-W	92.05154	95501	< 5.		UG/L	5/29/92	Y	o-Dichlorobenzene (1,2)
53-SC-G1-W	92.05154	541731	< 5.		UG/L	5/29/92	Y	m-Dichlorobenzene (1,3)
53-SC-G1-W	92.05154	106467	< 5.		UG/L	5/29/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W	92.05154	75718	< 10.		UG/L	5/29/92	Y	Dichlorodifluoromethane
53-SC-G1-W	92.05154	75343	< 5.		UG/L	5/29/92	Y	1,1-Dichloroethane
53-SC-G1-W	92.05154	107062	< 5.		UG/L	5/29/92	Y	1,2-Dichloroethane
53-SC-G1-W	92.05154	75354	< 5.		UG/L	5/29/92	Y	1,1-Dichloroethene
53-SC-G1-W	92.05154	156605	< 5.		UG/L	5/29/92	Y	trans-1,2-Dichloroethene
53-SC-G1-W	92.05154	156592	< 5.		UG/L	5/29/92	Y	cis-1,2-Dichloroethylene
53-SC-G1-W	92.05154	78875	< 5.		UG/L	5/29/92	Y	1,2-Dichloropropane
53-SC-G1-W	92.05154	142289	< 5.		UG/L	5/29/92	Y	1,3-Dichloropropane
53-SC-G1-W	92.05154	594207	< 5.		UG/L	5/29/92	Y	2,2-Dichloropropane
53-SC-G1-W	92.05154	563586	< 5.		UG/L	5/29/92	Y	1,1-Dichloropropene
53-SC-G1-W	92.05154	10061015	< 5.		UG/L	5/29/92	Y	cis-1,3-Dichloropropene
53-SC-G1-W	92.05154	10061026	< 5.		UG/L	5/29/92	Y	trans-1,3-Dichloropropene
53-SC-G1-W	92.05154	100414	< 5.		UG/L	5/29/92	Y	Ethylbenzene
53-SC-G1-W	92.05154	106934	< 5.		UG/L	5/29/92	Y	Ethylene dibromide
53-SC-G1-W	92.05154	591786	< 20.		UG/L	5/29/92	Y	2-Hexanone
53-SC-G1-W	92.05154	98828	< 5.		UG/L	5/29/92	Y	Isopropylbenzene
53-SC-G1-W	92.05154	99876	< 5.		UG/L	5/29/92	Y	4-Isopropyltoluene
53-SC-G1-W	92.05154	74884	< 5.		UG/L	5/29/92	Y	Methyl iodide
53-SC-G1-W	92.05154	108101	< 20.		UG/L	5/29/92	Y	4-Methyl-2-pentanone
53-SC-G1-W	92.05154	75092	< 5.		UG/L	5/29/92	Y	Methylene chloride
53-SC-G1-W	92.05154	103651	< 5.		UG/L	5/29/92	Y	Propylbenzene
53-SC-G1-W	92.05154	100425	< 5.		UG/L	5/29/92	Y	Styrene
53-SC-G1-W	92.05154	630206	< 5.		UG/L	5/29/92	Y	1,1,1,2-Tetrachloroethane
53-SC-G1-W	92.05154	79345	< 5.		UG/L	5/29/92	Y	1,1,2,2-Tetrachloroethane
53-SC-G1-W	92.05154	127184	< 5.		UG/L	5/29/92	Y	Tetrachloroethylene
53-SC-G1-W	92.05154	108883	< 5.		UG/L	5/29/92	Y	Toluene
53-SC-G1-W	92.05154	76131	< 5.		UG/L	5/29/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-G1-W	92.05154	71556	< 5.		UG/L	5/29/92	Y	1,1,1-Trichloroethane
53-SC-G1-W	92.05154	79005	< 5.		UG/L	5/29/92	Y	1,1,2-Trichloroethane
53-SC-G1-W	92.05154	79016	< 5.		UG/L	5/29/92	Y	Trichloroethene
53-SC-G1-W	92.05154	75694	< 5.		UG/L	5/29/92	Y	Trichlorofluoromethane
53-SC-G1-W	92.05154	96184	< 5.		UG/L	5/29/92	Y	1,2,3-Trichloropropane
53-SC-G1-W	92.05154	95636	< 5.		UG/L	5/29/92	Y	1,2,4-Trimethylbenzene
53-SC-G1-W	92.05154	108678	< 5.		UG/L	5/29/92	Y	1,3,5-Trimethylbenzene
53-SC-G1-W	92.05154	108054	< 10.		UG/L	5/29/92	Y	Vinyl acetate
53-SC-G1-W	92.05154	75014	< 10.		UG/L	5/29/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W	92.05154	1330207	< 5.		UG/L	5/29/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05154

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 2-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05155 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W-Q	92.05155	67641	35.	10.5	UG/L	5/29/92	Y	Acetone
53-SC-G1-W-Q	92.05155	71432	< 5.		UG/L	5/29/92	Y	Benzene
53-SC-G1-W-Q	92.05155	108861	< 5.		UG/L	5/29/92	Y	Bromobenzene
53-SC-G1-W-Q	92.05155	74975	< 5.		UG/L	5/29/92	Y	Bromochloromethane
53-SC-G1-W-Q	92.05155	75274	< 5.		UG/L	5/29/92	Y	Bromodichloromethane
53-SC-G1-W-Q	92.05155	75252	< 5.		UG/L	5/29/92	Y	Bromoform
53-SC-G1-W-Q	92.05155	74839	< 10.		UG/L	5/29/92	Y	Bromomethane
53-SC-G1-W-Q	92.05155	78933	< 20.		UG/L	5/29/92	Y	2-Butanone
53-SC-G1-W-Q	92.05155	104518	< 5.		UG/L	5/29/92	Y	n-Butylbenzene
53-SC-G1-W-Q	92.05155	135988	< 5.		UG/L	5/29/92	Y	sec-Butylbenzene
53-SC-G1-W-Q	92.05155	98066	< 5.		UG/L	5/29/92	Y	tert-Butylbenzene
53-SC-G1-W-Q	92.05155	75150	< 5.		UG/L	5/29/92	Y	Carbon disulfide
53-SC-G1-W-Q	92.05155	56235	< 5.		UG/L	5/29/92	Y	Carbon tetrachloride
53-SC-G1-W-Q	92.05155	108907	< 5.		UG/L	5/29/92	Y	Chlorobenzene
53-SC-G1-W-Q	92.05155	124481	< 5.		UG/L	5/29/92	Y	Chlorodibromomethane
53-SC-G1-W-Q	92.05155	75003	< 10.		UG/L	5/29/92	Y	Chloroethane
53-SC-G1-W-Q	92.05155	67663	< 5.		UG/L	5/29/92	Y	Chloroform
53-SC-G1-W-Q	92.05155	74873	< 10.		UG/L	5/29/92	Y	Chloromethane
53-SC-G1-W-Q	92.05155	95498	< 5.		UG/L	5/29/92	Y	o-Chlorotoluene
53-SC-G1-W-Q	92.05155	106434	< 5.		UG/L	5/29/92	Y	p-Chlorotoluene
53-SC-G1-W-Q	92.05155	96128	< 10.		UG/L	5/29/92	Y	1,2-Dibromo-3-chloropropane
53-SC-G1-W-Q	92.05155	106934	< 5.		UG/L	5/29/92	Y	1,2-Dibromoethane
53-SC-G1-W-Q	92.05155	74953	< 5.		UG/L	5/29/92	Y	Dibromomethane
53-SC-G1-W-Q	92.05155	95501	< 5.		UG/L	5/29/92	Y	o-Dichlorobenzene (1,2)
53-SC-G1-W-Q	92.05155	541731	< 5.		UG/L	5/29/92	Y	m-Dichlorobenzene (1,3)
53-SC-G1-W-Q	92.05155	106467	< 5.		UG/L	5/29/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W-Q	92.05155	75718	< 10.		UG/L	5/29/92	Y	Dichlorodifluoromethane
53-SC-G1-W-Q	92.05155	75343	< 5.		UG/L	5/29/92	Y	1,1-Dichloroethane
53-SC-G1-W-Q	92.05155	107062	< 5.		UG/L	5/29/92	Y	1,2-Dichloroethane
53-SC-G1-W-Q	92.05155	75354	< 5.		UG/L	5/29/92	Y	1,1-Dichloroethene
53-SC-G1-W-Q	92.05155	156605	< 5.		UG/L	5/29/92	Y	trans-1,2-Dichloroethene
53-SC-G1-W-Q	92.05155	156592	< 5.		UG/L	5/29/92	Y	cis-1,2-Dichloroethylene
53-SC-G1-W-Q	92.05155	78875	< 5.		UG/L	5/29/92	Y	1,2-Dichloropropane
53-SC-G1-W-Q	92.05155	142289	< 5.		UG/L	5/29/92	Y	1,3-Dichloropropane
53-SC-G1-W-Q	92.05155	594207	< 5.		UG/L	5/29/92	Y	2,2-Dichloropropane
53-SC-G1-W-Q	92.05155	563586	< 5.		UG/L	5/29/92	Y	1,1-Dichloropropene
53-SC-G1-W-Q	92.05155	10061015	< 5.		UG/L	5/29/92	Y	cis-1,3-Dichloropropene
53-SC-G1-W-Q	92.05155	10061026	< 5.		UG/L	5/29/92	Y	trans-1,3-Dichloropropene
53-SC-G1-W-Q	92.05155	100414	< 5.		UG/L	5/29/92	Y	Ethylbenzene
53-SC-G1-W-Q	92.05155	106934	< 5.		UG/L	5/29/92	Y	Ethylene dibromide
53-SC-G1-W-Q	92.05155	591786	< 20.		UG/L	5/29/92	Y	2-Hexanone
53-SC-G1-W-Q	92.05155	98828	< 5.		UG/L	5/29/92	Y	Isopropylbenzene
53-SC-G1-W-Q	92.05155	99876	< 5.		UG/L	5/29/92	Y	4-Isopropyltoluene
53-SC-G1-W-Q	92.05155	74884	< 5.		UG/L	5/29/92	Y	Methyl iodide
53-SC-G1-W-Q	92.05155	108101	< 20.		UG/L	5/29/92	Y	4-Methyl-2-pentanone
53-SC-G1-W-Q	92.05155	75092	< 5.		UG/L	5/29/92	Y	Methylene chloride
53-SC-G1-W-Q	92.05155	103651	< 5.		UG/L	5/29/92	Y	Propylbenzene
53-SC-G1-W-Q	92.05155	100425	< 5.		UG/L	5/29/92	Y	Styrene
53-SC-G1-W-Q	92.05155	630206	< 5.		UG/L	5/29/92	Y	1,1,1,2-Tetrachloroethane
53-SC-G1-W-Q	92.05155	79345	< 5.		UG/L	5/29/92	Y	1,1,2,2-Tetrachloroethane
53-SC-G1-W-Q	92.05155	127184	< 5.		UG/L	5/29/92	Y	Tetrachloroethylene
53-SC-G1-W-Q	92.05155	108883	< 5.		UG/L	5/29/92	Y	Toluene
53-SC-G1-W-Q	92.05155	76131	< 5.		UG/L	5/29/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-G1-W-Q	92.05155	71556	< 5.		UG/L	5/29/92	Y	1,1,1-Trichloroethane
53-SC-G1-W-Q	92.05155	79005	< 5.		UG/L	5/29/92	Y	1,1,2-Trichloroethane
53-SC-G1-W-Q	92.05155	79016	< 5.		UG/L	5/29/92	Y	Trichloroethene
53-SC-G1-W-Q	92.05155	75694	< 5.		UG/L	5/29/92	Y	Trichlorofluoromethane
53-SC-G1-W-Q	92.05155	96184	< 5.		UG/L	5/29/92	Y	1,2,3-Trichloropropane
53-SC-G1-W-Q	92.05155	95636	< 5.		UG/L	5/29/92	Y	1,2,4-Trimethylbenzene
53-SC-G1-W-Q	92.05155	108678	< 5.		UG/L	5/29/92	Y	1,3,5-Trimethylbenzene
53-SC-G1-W-Q	92.05155	108054	< 10.		UG/L	5/29/92	Y	Vinyl acetate
53-SC-G1-W-Q	92.05155	75014	< 10.		UG/L	5/29/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W-Q	92.05155	1330207	< 5.		UG/L	5/29/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05155

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 2-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05156 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/21/92 Date Analyzed: 4/21/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-EBK-W	92.05156	67641	< 20.		UG/L	5/29/92	Y	Acetone
53-SC-EBK-W	92.05156	71432	< 5.		UG/L	5/29/92	Y	Benzene
53-SC-EBK-W	92.05156	108861	< 5.		UG/L	5/29/92	Y	Bromobenzene
53-SC-EBK-W	92.05156	74975	< 5.		UG/L	5/29/92	Y	Bromochloromethane
53-SC-EBK-W	92.05156	75274	< 5.		UG/L	5/29/92	Y	Bromodichloromethane
53-SC-EBK-W	92.05156	75252	< 5.		UG/L	5/29/92	Y	Bromoform
53-SC-EBK-W	92.05156	74839	< 10.		UG/L	5/29/92	Y	Bromomethane
53-SC-EBK-W	92.05156	78933	< 20.		UG/L	5/29/92	Y	2-Butanone
53-SC-EBK-W	92.05156	104518	< 5.		UG/L	5/29/92	Y	n-Butylbenzene
53-SC-EBK-W	92.05156	135988	< 5.		UG/L	5/29/92	Y	sec-Butylbenzene
53-SC-EBK-W	92.05156	98066	< 5.		UG/L	5/29/92	Y	tert-Butylbenzene
53-SC-EBK-W	92.05156	75150	< 5.		UG/L	5/29/92	Y	Carbon disulfide
53-SC-EBK-W	92.05156	56235	< 5.		UG/L	5/29/92	Y	Carbon tetrachloride
53-SC-EBK-W	92.05156	108907	< 5.		UG/L	5/29/92	Y	Chlorobenzene
53-SC-EBK-W	92.05156	124481	< 5.		UG/L	5/29/92	Y	Chlorodibromomethane
53-SC-EBK-W	92.05156	75003	< 10.		UG/L	5/29/92	Y	Chloroethane
53-SC-EBK-W	92.05156	67663	< 5.		UG/L	5/29/92	Y	Chloroform
53-SC-EBK-W	92.05156	74873	< 10.		UG/L	5/29/92	Y	Chloromethane
53-SC-EBK-W	92.05156	95498	< 5.		UG/L	5/29/92	Y	o-Chlorotoluene
53-SC-EBK-W	92.05156	106434	< 5.		UG/L	5/29/92	Y	p-Chlorotoluene
53-SC-EBK-W	92.05156	96128	< 10.		UG/L	5/29/92	Y	1,2-Dibromo-3-chloropropane
53-SC-EBK-W	92.05156	106934	< 5.		UG/L	5/29/92	Y	1,2-Dibromoethane
53-SC-EBK-W	92.05156	74953	< 5.		UG/L	5/29/92	Y	Dibromomethane
53-SC-EBK-W	92.05156	95501	< 5.		UG/L	5/29/92	Y	o-Dichlorobenzene (1,2)
53-SC-EBK-W	92.05156	541731	< 5.		UG/L	5/29/92	Y	m-Dichlorobenzene (1,3)
53-SC-EBK-W	92.05156	106467	< 5.		UG/L	5/29/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-EBK-W	92.05156	75718	< 10.		UG/L	5/29/92	Y	Dichlorodifluoromethane
53-SC-EBK-W	92.05156	75343	< 5.		UG/L	5/29/92	Y	1,1-Dichloroethane
53-SC-EBK-W	92.05156	107062	< 5.		UG/L	5/29/92	Y	1,2-Dichloroethane
53-SC-EBK-W	92.05156	75354	< 5.		UG/L	5/29/92	Y	1,1-Dichloroethene
53-SC-EBK-W	92.05156	156605	< 5.		UG/L	5/29/92	Y	trans-1,2-Dichloroethene
53-SC-EBK-W	92.05156	156592	< 5.		UG/L	5/29/92	Y	cis-1,2-Dichloroethylene
53-SC-EBK-W	92.05156	78875	< 5.		UG/L	5/29/92	Y	1,2-Dichloropropane
53-SC-EBK-W	92.05156	142289	< 5.		UG/L	5/29/92	Y	1,3-Dichloropropane
53-SC-EBK-W	92.05156	594207	< 5.		UG/L	5/29/92	Y	2,2-Dichloropropane
53-SC-EBK-W	92.05156	563586	< 5.		UG/L	5/29/92	Y	1,1-Dichloropropene
53-SC-EBK-W	92.05156	10061015	< 5.		UG/L	5/29/92	Y	cis-1,3-Dichloropropene
53-SC-EBK-W	92.05156	10061026	< 5.		UG/L	5/29/92	Y	trans-1,3-Dichloropropene
53-SC-EBK-W	92.05156	100414	< 5.		UG/L	5/29/92	Y	Ethylbenzene
53-SC-EBK-W	92.05156	106934	< 5.		UG/L	5/29/92	Y	Ethylene dibromide
53-SC-EBK-W	92.05156	591786	< 20.		UG/L	5/29/92	Y	2-Hexanone
53-SC-EBK-W	92.05156	98828	< 5.		UG/L	5/29/92	Y	Isopropylbenzene
53-SC-EBK-W	92.05156	99876	< 5.		UG/L	5/29/92	Y	4-Isopropyltoluene
53-SC-EBK-W	92.05156	74884	< 5.		UG/L	5/29/92	Y	Methyl iodide
53-SC-EBK-W	92.05156	108101	< 20.		UG/L	5/29/92	Y	4-Methyl-2-pentanone
53-SC-EBK-W	92.05156	75092	< 5.		UG/L	5/29/92	Y	Methylene chloride
53-SC-EBK-W	92.05156	103651	< 5.		UG/L	5/29/92	Y	Propylbenzene
53-SC-EBK-W	92.05156	100425	< 5.		UG/L	5/29/92	Y	Styrene
53-SC-EBK-W	92.05156	630206	< 5.		UG/L	5/29/92	Y	1,1,1,2-Tetrachloroethane
53-SC-EBK-W	92.05156	79345	< 5.		UG/L	5/29/92	Y	1,1,2,2-Tetrachloroethane
53-SC-EBK-W	92.05156	127184	< 5.		UG/L	5/29/92	Y	Tetrachloroethylene
53-SC-EBK-W	92.05156	108883	< 5.		UG/L	5/29/92	Y	Toluene
53-SC-EBK-W	92.05156	76131	< 5.		UG/L	5/29/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-EBK-W	92.05156	71556	< 5.		UG/L	5/29/92	Y	1,1,1-Trichloroethane
53-SC-EBK-W	92.05156	79005	< 5.		UG/L	5/29/92	Y	1,1,2-Trichloroethane
53-SC-EBK-W	92.05156	79016	< 5.		UG/L	5/29/92	Y	Trichloroethene
53-SC-EBK-W	92.05156	75694	< 5.		UG/L	5/29/92	Y	Trichlorofluoromethane
53-SC-EBK-W	92.05156	96184	< 5.		UG/L	5/29/92	Y	1,2,3-Trichloropropane
53-SC-EBK-W	92.05156	95636	< 5.		UG/L	5/29/92	Y	1,2,4-Trimethylbenzene
53-SC-EBK-W	92.05156	108678	< 5.		UG/L	5/29/92	Y	1,3,5-Trimethylbenzene
53-SC-EBK-W	92.05156	108054	< 10.		UG/L	5/29/92	Y	Vinyl acetate
53-SC-EBK-W	92.05156	75014	< 10.		UG/L	5/29/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-EBK-W	92.05156	1330207	< 5.		UG/L	5/29/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05156

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 2-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05157 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-FBLK-W	92.05157	67641	< 20.		UG/L	5/29/92	Y	Acetone
53-SC-FBLK-W	92.05157	71432	< 5.		UG/L	5/29/92	Y	Benzene
53-SC-FBLK-W	92.05157	108861	< 5.		UG/L	5/29/92	Y	Bromobenzene
53-SC-FBLK-W	92.05157	74975	< 5.		UG/L	5/29/92	Y	Bromochloromethane
53-SC-FBLK-W	92.05157	75274	< 5.		UG/L	5/29/92	Y	Bromodichloromethane
53-SC-FBLK-W	92.05157	75252	< 5.		UG/L	5/29/92	Y	Bromoform
53-SC-FBLK-W	92.05157	74839	< 10.		UG/L	5/29/92	Y	Bromomethane
53-SC-FBLK-W	92.05157	78933	< 20.		UG/L	5/29/92	Y	2-Butanone
53-SC-FBLK-W	92.05157	104518	< 5.		UG/L	5/29/92	Y	n-Butylbenzene
53-SC-FBLK-W	92.05157	135988	< 5.		UG/L	5/29/92	Y	sec-Butylbenzene
53-SC-FBLK-W	92.05157	98066	< 5.		UG/L	5/29/92	Y	tert-Butylbenzene
53-SC-FBLK-W	92.05157	75150	< 5.		UG/L	5/29/92	Y	Carbon disulfide
53-SC-FBLK-W	92.05157	56235	< 5.		UG/L	5/29/92	Y	Carbon tetrachloride
53-SC-FBLK-W	92.05157	108907	< 5.		UG/L	5/29/92	Y	Chlorobenzene
53-SC-FBLK-W	92.05157	124481	< 5.		UG/L	5/29/92	Y	Chlorodibromomethane
53-SC-FBLK-W	92.05157	75003	< 10.		UG/L	5/29/92	Y	Chloroethane
53-SC-FBLK-W	92.05157	67663	< 5.		UG/L	5/29/92	Y	Chloroform
53-SC-FBLK-W	92.05157	74873	< 10.		UG/L	5/29/92	Y	Chloromethane
53-SC-FBLK-W	92.05157	95498	< 5.		UG/L	5/29/92	Y	o-Chlorotoluene
53-SC-FBLK-W	92.05157	106434	< 5.		UG/L	5/29/92	Y	p-Chlorotoluene
53-SC-FBLK-W	92.05157	96128	< 10.		UG/L	5/29/92	Y	1,2-Dibromo-3-chloropropane
53-SC-FBLK-W	92.05157	106934	< 5.		UG/L	5/29/92	Y	1,2-Dibromoethane
53-SC-FBLK-W	92.05157	74953	< 5.		UG/L	5/29/92	Y	Dibromomethane
53-SC-FBLK-W	92.05157	95501	< 5.		UG/L	5/29/92	Y	o-Dichlorobenzene (1,2)
53-SC-FBLK-W	92.05157	541731	< 5.		UG/L	5/29/92	Y	m-Dichlorobenzene (1,3)
53-SC-FBLK-W	92.05157	106467	< 5.		UG/L	5/29/92	Y	p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-FBLK-W	92.05157	75718	< 10.		UG/L	5/29/92	Y	Dichlorodifluoromethane
53-SC-FBLK-W	92.05157	75343	< 5.		UG/L	5/29/92	Y	1,1-Dichloroethane
53-SC-FBLK-W	92.05157	107062	< 5.		UG/L	5/29/92	Y	1,2-Dichloroethane
53-SC-FBLK-W	92.05157	75354	< 5.		UG/L	5/29/92	Y	1,1-Dichloroethene
53-SC-FBLK-W	92.05157	156605	< 5.		UG/L	5/29/92	Y	trans-1,2-Dichloroethene
53-SC-FBLK-W	92.05157	156592	< 5.		UG/L	5/29/92	Y	cis-1,2-Dichloroethylene
53-SC-FBLK-W	92.05157	78875	< 5.		UG/L	5/29/92	Y	1,2-Dichloropropane
53-SC-FBLK-W	92.05157	142289	< 5.		UG/L	5/29/92	Y	1,3-Dichloropropane
53-SC-FBLK-W	92.05157	594207	< 5.		UG/L	5/29/92	Y	2,2-Dichloropropane
53-SC-FBLK-W	92.05157	563586	< 5.		UG/L	5/29/92	Y	1,1-Dichloropropene
53-SC-FBLK-W	92.05157	10061015	< 5.		UG/L	5/29/92	Y	cis-1,3-Dichloropropene
53-SC-FBLK-W	92.05157	10061026	< 5.		UG/L	5/29/92	Y	trans-1,3-Dichloropropene
53-SC-FBLK-W	92.05157	100414	< 5.		UG/L	5/29/92	Y	Ethylbenzene
53-SC-FBLK-W	92.05157	106934	< 5.		UG/L	5/29/92	Y	Ethylene dibromide
53-SC-FBLK-W	92.05157	591786	< 20.		UG/L	5/29/92	Y	2-Hexanone
53-SC-FBLK-W	92.05157	98828	< 5.		UG/L	5/29/92	Y	Isopropylbenzene
53-SC-FBLK-W	92.05157	99876	< 5.		UG/L	5/29/92	Y	4-Isopropyltoluene
53-SC-FBLK-W	92.05157	74884	< 5.		UG/L	5/29/92	Y	Methyl iodide
53-SC-FBLK-W	92.05157	108101	< 20.		UG/L	5/29/92	Y	4-Methyl-2-pentanone
53-SC-FBLK-W	92.05157	75092	< 5.		UG/L	5/29/92	Y	Methylene chloride
53-SC-FBLK-W	92.05157	103651	< 5.		UG/L	5/29/92	Y	Propylbenzene
53-SC-FBLK-W	92.05157	100425	< 5.		UG/L	5/29/92	Y	Styrene
53-SC-FBLK-W	92.05157	630206	< 5.		UG/L	5/29/92	Y	1,1,1,2-Tetrachloroethane
53-SC-FBLK-W	92.05157	79345	< 5.		UG/L	5/29/92	Y	1,1,2,2-Tetrachloroethane
53-SC-FBLK-W	92.05157	127184	< 5.		UG/L	5/29/92	Y	Tetrachloroethylene
53-SC-FBLK-W	92.05157	108883	< 5.		UG/L	5/29/92	Y	Toluene
53-SC-FBLK-W	92.05157	76131	< 5.		UG/L	5/29/92	Y	1,1,2-Trichloro-1,2,2-trifluoroethane
53-SC-FBLK-W	92.05157	71556	< 5.		UG/L	5/29/92	Y	1,1,1-Trichloroethane
53-SC-FBLK-W	92.05157	79005	< 5.		UG/L	5/29/92	Y	1,1,2-Trichloroethane
53-SC-FBLK-W	92.05157	79016	< 5.		UG/L	5/29/92	Y	Trichloroethene
53-SC-FBLK-W	92.05157	75694	< 5.		UG/L	5/29/92	Y	Trichlorofluoromethane
53-SC-FBLK-W	92.05157	96184	< 5.		UG/L	5/29/92	Y	1,2,3-Trichloropropane
53-SC-FBLK-W	92.05157	95636	< 5.		UG/L	5/29/92	Y	1,2,4-Trimethylbenzene
53-SC-FBLK-W	92.05157	108678	< 5.		UG/L	5/29/92	Y	1,3,5-Trimethylbenzene
53-SC-FBLK-W	92.05157	108054	< 10.		UG/L	5/29/92	Y	Vinyl acetate
53-SC-FBLK-W	92.05157	75014	< 10.		UG/L	5/29/92	Y	Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-FBLK-W	92.05157	1330207	< 5.		UG/L	5/29/92	Y	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05157

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.05157 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-FBLK-W	92.05157	71432	50.	41.	UG/L	5/29/92		Benzene
53-SC-FBLK-W	92.05157	108907	50.	47.	UG/L	5/29/92		Chlorobenzene
53-SC-FBLK-W	92.05157	75343	< 50.	5.	UG/L	5/29/92		1,1-Dichloroethane
53-SC-FBLK-W	92.05157	108883	50.	46.	UG/L	5/29/92		Toluene
53-SC-FBLK-W	92.05157	79016	50.	27.	UG/L	5/29/92		Trichloroethene

Matrix Spike Duplicate Results for Sample # 92.05157 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-FBLK-W	92.05157	71432	50.	43.	UG/L	5/29/92		Benzene
53-SC-FBLK-W	92.05157	108907	50.	51.	UG/L	5/29/92		Chlorobenzene
53-SC-FBLK-W	92.05157	75343	< 50.	5.	UG/L	5/29/92		1,1-Dichloroethane
53-SC-FBLK-W	92.05157	108883	50.	50.	UG/L	5/29/92		Toluene
53-SC-FBLK-W	92.05157	79016	50.	29.	UG/L	5/29/92		Trichloroethene

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA VOLATILES Prepared by: LAT on 2-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: TONEY BEGAY PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.05384 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 4/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05384	67641	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	Acetone
00.20226	92.05384	71432	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Benzene
00.20226	92.05384	108861	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromobenzene
00.20226	92.05384	74975	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromochloromethane
00.20226	92.05384	75274	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromodichloromethane
00.20226	92.05384	75252	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromoform
00.20226	92.05384	74839	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromomethane
00.20226	92.05384	78933	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	2-Butanone
00.20226	92.05384	104518	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	n-Butylbenzene
00.20226	92.05384	135988	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	sec-Butylbenzene
00.20226	92.05384	98066	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	tert-Butylbenzene
00.20226	92.05384	75150	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Carbon disulfide
00.20226	92.05384	56235	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Carbon tetrachloride
00.20226	92.05384	108907	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chlorobenzene
00.20226	92.05384	124481	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chlorodibromomethane
00.20226	92.05384	75003	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloroethane
00.20226	92.05384	67663	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloroform
00.20226	92.05384	74873	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloromethane
00.20226	92.05384	95498	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	o-Chlorotoluene
00.20226	92.05384	106434	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	p-Chlorotoluene
00.20226	92.05384	96128	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05384	106934	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dibromoethane
00.20226	92.05384	74953	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Dibromomethane
00.20226	92.05384	95501	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20226	92.05384	541731	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20226	92.05384	106467	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20226	92.05384	75718	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Dichlorodifluoromethane
00.20226	92.05384	75343	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloroethane
00.20226	92.05384	107062	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dichloroethane
00.20226	92.05384	75354	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloroethene
00.20226	92.05384	156605	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20226	92.05384	156592	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20226	92.05384	78875	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dichloropropane
00.20226	92.05384	142289	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,3-Dichloropropane
00.20226	92.05384	594207	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	2,2-Dichloropropane
00.20226	92.05384	563586	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloropropene
00.20226	92.05384	10061015	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20226	92.05384	10061026	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20226	92.05384	100414	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Ethylbenzene
00.20226	92.05384	106934	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Ethylene dibromide
00.20226	92.05384	591786	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	2-Hexanone
00.20226	92.05384	98828	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Isopropylbenzene
00.20226	92.05384	99876	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	4-Isopropyltoluene
00.20226	92.05384	74884	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Methyl iodide
00.20226	92.05384	108101	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20226	92.05384	75092	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Methylene chloride
00.20226	92.05384	103651	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Propylbenzene
00.20226	92.05384	100425	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Styrene
00.20226	92.05384	630206	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20226	92.05384	79345	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20226	92.05384	127184	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Tetrachloroethylene
00.20226	92.05384	108883	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Toluene
00.20226	92.05384	76131	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20226	92.05384	71556	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20226	92.05384	79005	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20226	92.05384	79016	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Trichloroethene
00.20226	92.05384	75694	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Trichlorofluoromethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05384	96184	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20226	92.05384	95636	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20226	92.05384	108678	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20226	92.05384	108054	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Vinyl acetate
00.20226	92.05384	75014	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Vinyl chloride
00.20226	92.05384	1330207	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.05385 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 5/05/92 Date Analyzed: 5/05/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05385	67641	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	Acetone
00.20226	92.05385	71432	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Benzene
00.20226	92.05385	108861	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromobenzene
00.20226	92.05385	74975	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromochloromethane
00.20226	92.05385	75274	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromodichloromethane
00.20226	92.05385	75252	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromoform
00.20226	92.05385	74839	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromomethane
00.20226	92.05385	78933	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	2-Butanone
00.20226	92.05385	104518	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	n-Butylbenzene
00.20226	92.05385	135988	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	sec-Butylbenzene
00.20226	92.05385	98066	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	tert-Butylbenzene
00.20226	92.05385	75150	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Carbon disulfide
00.20226	92.05385	56235	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Carbon tetrachloride
00.20226	92.05385	108907	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chlorobenzene
00.20226	92.05385	124481	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chlorodibromomethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05385	75003	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloroethane
00.20226	92.05385	67663	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloroform
00.20226	92.05385	74873	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloromethane
00.20226	92.05385	95498	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	o-Chlorotoluene
00.20226	92.05385	106434	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	p-Chlorotoluene
00.20226	92.05385	96128	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20226	92.05385	106934	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dibromoethane
00.20226	92.05385	74953	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Dibromomethane
00.20226	92.05385	95501	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20226	92.05385	541731	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20226	92.05385	106467	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20226	92.05385	75718	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Dichlorodifluoromethane
00.20226	92.05385	75343	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloroethane
00.20226	92.05385	107062	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dichloroethane
00.20226	92.05385	75354	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloroethene
00.20226	92.05385	156605	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20226	92.05385	156592	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20226	92.05385	78875	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dichloropropane
00.20226	92.05385	142289	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,3-Dichloropropane
00.20226	92.05385	594207	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	2,2-Dichloropropane
00.20226	92.05385	563586	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloropropene
00.20226	92.05385	10061015	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20226	92.05385	10061026	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20226	92.05385	100414	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Ethylbenzene
00.20226	92.05385	106934	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Ethylene dibromide
00.20226	92.05385	591786	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	2-Hexanone
00.20226	92.05385	98828	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Isopropylbenzene
00.20226	92.05385	99876	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	4-Isopropyltoluene
00.20226	92.05385	74884	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Methyl iodide
00.20226	92.05385	108101	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20226	92.05385	75092	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Methylene chloride
00.20226	92.05385	103651	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Propylbenzene
00.20226	92.05385	100425	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Styrene
00.20226	92.05385	630206	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20226	92.05385	79345	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20226	92.05385	127184	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Tetrachloroethylene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05385	108883	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Toluene
00.20226	92.05385	76131	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20226	92.05385	71556	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20226	92.05385	79005	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20226	92.05385	79016	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Trichloroethene
00.20226	92.05385	75694	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Trichlorofluoromethane
00.20226	92.05385	96184	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20226	92.05385	95636	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20226	92.05385	108678	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20226	92.05385	108054	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Vinyl acetate
00.20226	92.05385	75014	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Vinyl chloride
00.20226	92.05385	1330207	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.06439 Date Collected: 5/08/92 Date Received: 5/08/92 Date Extracted: 4/21/92 Date Analyzed: 4/21/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.06439	67641	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	Acetone
00.20226	92.06439	71432	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Benzene
00.20226	92.06439	108861	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromobenzene
00.20226	92.06439	74975	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromochloromethane
00.20226	92.06439	75274	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromodichloromethane
00.20226	92.06439	75252	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromoform
00.20226	92.06439	74839	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromomethane
00.20226	92.06439	78933	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	2-Butanone
00.20226	92.06439	104518	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	n-Butylbenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.06439	135988	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	sec-Butylbenzene
00.20226	92.06439	98066	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	tert-Butylbenzene
00.20226	92.06439	75150	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Carbon disulfide
00.20226	92.06439	56235	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Carbon tetrachloride
00.20226	92.06439	108907	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chlorobenzene
00.20226	92.06439	124481	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chlorodibromomethane
00.20226	92.06439	75003	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloroethane
00.20226	92.06439	67663	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloroform
00.20226	92.06439	74873	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloromethane
00.20226	92.06439	95498	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	o-Chlorotoluene
00.20226	92.06439	106434	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	p-Chlorotoluene
00.20226	92.06439	96128	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20226	92.06439	106934	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dibromoethane
00.20226	92.06439	74953	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Dibromomethane
00.20226	92.06439	95501	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20226	92.06439	541731	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20226	92.06439	106467	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20226	92.06439	75718	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Dichlorodifluoromethane
00.20226	92.06439	75343	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloroethane
00.20226	92.06439	107062	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dichloroethane
00.20226	92.06439	75354	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloroethene
00.20226	92.06439	156605	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20226	92.06439	156592	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20226	92.06439	78875	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dichloropropane
00.20226	92.06439	142289	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,3-Dichloropropane
00.20226	92.06439	594207	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	2,2-Dichloropropane
00.20226	92.06439	563586	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloropropene
00.20226	92.06439	10061015	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20226	92.06439	10061026	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20226	92.06439	100414	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Ethylbenzene
00.20226	92.06439	106934	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Ethylene dibromide
00.20226	92.06439	591786	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	2-Hexanone
00.20226	92.06439	98828	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Isopropylbenzene
00.20226	92.06439	99876	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	4-Isopropyltoluene
00.20226	92.06439	74884	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Methyl iodide
00.20226	92.06439	108101	< 20.		UG/L	0.0		5/29/92	UNDER CONTROL	4-Methyl-2-pentanone

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.06439	75092	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Methylene chloride
00.20226	92.06439	103651	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Propylbenzene
00.20226	92.06439	100425	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Styrene
00.20226	92.06439	630206	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20226	92.06439	79345	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20226	92.06439	127184	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Tetrachloroethylene
00.20226	92.06439	108883	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Toluene
00.20226	92.06439	76131	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20226	92.06439	71556	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20226	92.06439	79005	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20226	92.06439	79016	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Trichloroethene
00.20226	92.06439	75694	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Trichlorofluoromethane
00.20226	92.06439	96184	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20226	92.06439	95636	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20226	92.06439	108678	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20226	92.06439	108054	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Vinyl acetate
00.20226	92.06439	75014	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Vinyl chloride
00.20226	92.06439	1330207	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.05383 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/21/92 Date Analyzed: 4/21/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05383	67641	46.	13.8	UG/L	70.	7.	5/29/92	UNDER CONTROL	Acetone
92.05383	71432	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Benzene
92.05383	108861	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromobenzene
92.05383	74975	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromochloromethane
92.05383	75274	56.	16.8	UG/L	66.	7.	5/29/92	UNDER CONTROL	Bromodichloromethane
92.05383	75252	60.	18.	UG/L	70.	7.	5/29/92	UNDER CONTROL	Bromoform
92.05383	74839	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Bromomethane
92.05383	78933	50.	15.	UG/L	74.	7.	5/29/92	UNDER CONTROL	2-Butanone
92.05383	104518	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	n-Butylbenzene
92.05383	135988	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	sec-Butylbenzene
92.05383	98066	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	tert-Butylbenzene
92.05383	75150	46.	13.8	UG/L	67.	7.	5/29/92	UNDER CONTROL	Carbon disulfide
92.05383	56235	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Carbon tetrachloride
92.05383	108907	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chlorobenzene
92.05383	124481	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chlorodibromomethane
92.05383	75003	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloroethane
92.05383	67663	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloroform
92.05383	74873	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Chloromethane
92.05383	95498	34.	10.2	UG/L	62.	6.	5/29/92	WARNING 2-3 SIG	o-Chlorotoluene
92.05383	106434	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	p-Chlorotoluene
92.05383	96128	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.05383	106934	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dibromoethane
92.05383	74953	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Dibromomethane
92.05383	95501	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05383	541731	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05383	106467	24.	7.2	UG/L	61.	6.	5/29/92	OUT OF CONTROL	p-Dichlorobenzene (1,4)

92.05383	75718	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Dichlorodifluoromethane
92.05383	75343	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloroethane
92.05383	107062	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dichloroethane
92.05383	75354	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloroethene
92.05383	156605	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.05383	156592	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.05383	78875	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2-Dichloropropane
92.05383	142289	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,3-Dichloropropane
92.05383	594207	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	2,2-Dichloropropane
92.05383	563586	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1-Dichloropropene
92.05383	10061015	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.05383	10061026	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.05383	100414	30.	9.	UG/L	65.	6.	5/29/92	OUT OF CONTROL	Ethylbenzene
92.05383	106934	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Ethylene dibromide
92.05383	591786	50.	15.	UG/L	63.	6.	5/29/92	UNDER CONTROL	2-Hexanone
92.05383	98828	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Isopropylbenzene
92.05383	99876	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	4-Isopropyltoluene
92.05383	74884	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Methyl iodide
92.05383	108101	58.	17.4	UG/L	69.	7.	5/29/92	UNDER CONTROL	4-Methyl-2-pentanone
92.05383	75092	76.	22.8	UG/L	71.	7.	5/29/92	UNDER CONTROL	Methylene chloride
92.05383	103651	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Propylbenzene
92.05383	100425	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Styrene
92.05383	630206	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
92.05383	79345	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.05383	127184	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Tetrachloroethylene
92.05383	108883	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Toluene
92.05383	76131	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.05383	71556	54.	16.2	UG/L	0.0		5/29/92	OUT OF CONTROL	1,1,1-Trichloroethane
92.05383	79005	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,1,2-Trichloroethane
92.05383	79016	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Trichloroethene
92.05383	75694	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Trichlorofluoromethane
92.05383	96184	72.	21.6	UG/L	70.	7.	5/29/92	UNDER CONTROL	1,2,3-Trichloropropane
92.05383	95636	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.05383	108678	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.05383	108054	< 10.		UG/L	70.	7.	5/29/92	OUT OF CONTROL	Vinyl acetate
92.05383	75014	< 10.		UG/L	0.0		5/29/92	UNDER CONTROL	Vinyl chloride
92.05383	1330207	< 5.		UG/L	0.0		5/29/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA VOLATILES

Surrogate 1 = 1,2-Dichloroethane d4 (CAS # = 17060070)
Surrogate 2 = Toluene d8 (CAS # = 2037265)
Surrogate 3 = 4-Bromofluorobenzene (CAS # = 460004)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	COMPLETION DATE	SAMPLE TYPE
92.05154	%	102.8	106.4	97.6	29-May-1992	
92.05155	%	104.2	107.8	98.4	29-May-1992	
92.05156	%	101.64	101.72	107.16	29-May-1992	
92.05157	%	101.4	107.	98.	29-May-1992	
92.05157	%	103.4	103.6	96.8	29-May-1992	MS
92.05157	%	101.	103.8	95.2	29-May-1992	MSD
92.05383	%	102.	102.8	96.8	29-May-1992	
92.05384	%	94.4	107.	102.8	29-May-1992	B
92.05385	%	106.8	101.	100.4	29-May-1992	B
92.06439	%	102.32	99.02	101.6	29-May-1992	B

EPA Limits:

Water	%	76 - 114	88 - 110	86 - 115
Soil	%	70 - 121	81 - 117	74 - 121

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14122

Analyst	Reviewer	Section Leader	QA Officer
L. Bigthorns per TOB	L. Bigthorns		mag
6/2/92	6/2/92	6/6/92	6/8/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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Amended ; See Remarks

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HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12769

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I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0015

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

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III. SAMPLE RECEIPT

Signature Randall Kenwaldock Date: 16-Apr-1992 Total No. received: 18 + 5 4 C S

Matrix	Initial SN		Final SN	# Received
C	92.04867	to	92.04883	17
C	92.04951	to	92.04956	6
C	92.04957	to	92.04958	2
C	92.04959	to	92.04960	2
C	92.04961	to	92.04961	1
C	92.05219	to	92.05219	1
W	92.04963	to	92.04963	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12769	92.04867	53-NW-A-S	4/13/92
12769	92.04868	53-NW-B-S	4/13/92
12769	92.04869	53-NW-C-S	4/13/92
12769	92.04870	53-NW-D-S	4/13/92
12769	92.04871	53-NW-E-S	4/13/92
12769	92.04872	53-NW-F-S	4/13/92
12769	92.04873	53-NW-G-S	4/13/92
12769	92.04874	53-NW-H-S	4/13/92
12769	92.04875	53-NW-I-S	4/13/92
12769	92.04876	53-NW-J-S	4/13/92
12769	92.04877	53-NW-K-S	4/13/92
12769	92.04878	53-NW-L-S	4/13/92
12769	92.04879	53-NW-N-S	4/13/92
12769	92.04880	53-NW-M-S	4/13/92
12769	92.04881	53-NW-N-S-QA	4/13/92
12769	92.04882	53-NW-O-S	4/13/92
12769	92.04883	53-NW-O-S-QA	4/13/92
12769	92.04951	00.24848	4/14/92
12769	92.04952	00.24847	4/14/92
12769	92.04953	00.20227	4/14/92
12769	92.04954	00.20227	4/14/92
12769	92.04955	00.20227	4/14/92
12769	92.04956	00.20227	4/14/92
12769	92.04957	00.24844	4/13/92
12769	92.04958	00.24845	4/13/92
12769	92.04959	00.20227	4/14/92
12769	92.04960	00.20227	4/14/92
12769	92.04961	00.24267	1/08/92
12769	92.04963	53-NW-TP BLK	4/13/92
12769	92.05219	53-NW-CBS-S	4/15/92

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HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12769

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Program code: W21D Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04867	to	92.04883
C	92.04951	to	92.04956
C	92.04957	to	92.04958
C	92.04959	to	92.04960
C	92.04961	to	92.04961
C	92.05219	to	92.05219
W	92.04963	to	92.04963

Section	Analysis	Technique	Analyst	Due-date
0	SEMIVOL	GCMS	AJL	5/13/92
0	VOLATILES	PTGC	SCB	5/13/92
0	1336363	GCEC	WWB	5/13/92

REMARKS:

TA-53 LAMPF LAGOONS -- NW

CAUTION: SAMPLES ARE A BIOHAZARD!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04867 TO 92.04883 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363
92.04963 = VOLATILES ONLY!!!!!!
QCS:
92.04951, 92.04952 = VOLATILES
92.04953 TO 92.04956 = VOLATILES METHOD BLK
92.04957, 92.04958 = SEMI-VOLATILES
92.04959, 92.04960 = SEMI-VOLATILES METHOD BLK
92.04961 = 1336363

SN #92.05219 = ALL ANALYSIS WAS ADDED TO REQUEST ON 04/15/92
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES

Superceded by Amended agreem with 4/15/92 Remarks

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12769

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0015

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freequez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 14-Apr-1992

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

III. SAMPLE RECEIPT

Signature [illegible] Date: 14-Apr-1992 Total No. received: 18 + 5QCS

Matrix	Initial SN		Final SN	# Received
C	92.04867	to	92.04883	17
C	92.04951	to	92.04956	6
C	92.04957	to	92.04958	2
C	92.04959	to	92.04960	2
C	92.04961	to	92.04961	1
W	92.04963	to	92.04963	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

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HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12787

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Program code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05157	to	92.05157
W	92.05383	to	92.05385
W	92.05387	to	92.05388
W	92.05388	to	92.05388

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/15/92
O	VOLATILES	PTGC	TRB	5/15/92
O	1336363	GCEC	WWB	5/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNTS (ALPHA)

92.05154 TO 92.05157 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

QCS:
92.05383 = VOLATILES
92.05384, 92.05385 = VOLATILES METHOD BLK
92.05386 = SEMI-VOLATILES
92.05387 = SEMI-VOLATILES METHOD BLK
92.05388 = 1336363

Superceded

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HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12787

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I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0005

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freaquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815, [redacted] Date: 20-Apr-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

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III. SAMPLE RECEIPT

Signature [illegible] Date: 20-Apr-1992 Total No. received: 1 / 3425

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05157	to	92.05157	1
W	92.05383	to	92.05385	3
W	92.05387	to	92.05388	2
W	92.05388	to	92.05388	1

Translation tat [illegible] al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12787	92.05154	53-SC-G1-W	4/15/92
12787	92.05155	53-SC-G1-W-Q	4/15/92
12787	92.05156	53-SC-EBK-W	4/15/92
12787	92.05157	53-SC-FBLK-W	4/15/92
12787	92.05383	00.24897	4/16/92
12787	92.05384	00.20226	4/16/92
12787	92.05385	00.20226	4/16/92
12787	92.05386	00.24896	4/16/92
12787	92.05387	00.20226	4/16/92
12787	92.05388	00.24892	4/15/92

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HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12787

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'rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05157	to	92.05157
W	92.05383	to	92.05385
W	92.05387	to	92.05388
W	92.05388	to	92.05388
W	92.06439	to	92.06439

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/15/92
O	VOLATILES	PTGC	TRB	5/15/92
O	1336363	GCEC	WWB	5/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNTS (ALPHA)

92.05154 TO 92.05157 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

CS:
92.05383 = VOLATILES
92.05384, 92.05385 = VOLATILES METHOD BLK
92.05386 = SEMI-VOLATILES
92.05387 = SEMI-VOLATILES METHOD BLK
92.05388 = 1336363

ADDED SN #92.06439 FOR VOLATILES METHOD BLK ON 05/08/92

Amended:
See Remarks

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HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12787

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I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0005

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: [redacted] HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-081[redacted] Date: 8-May-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

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III. SAMPLE RECEIPT

Signature [signature] Date: 8-May-1992 Total No. received: 4 + 3QCs

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05157	to	92.05157	1
W	92.05383	to	92.05385	3
W	92.05387	to	92.05388	2
W	92.05388	to	92.05388	1
W	92.06439	to	92.06439	1

Translation table o al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12787	92.05154	53-SC-G1-W	4/15/92
12787	92.05155	53-SC-G1-W-Q	4/15/92
12787	92.05156	53-SC-EBK-W	4/15/92
12787	92.05157	53-SC-FBLK-W	4/15/92
12787	92.05383	00.24897	4/16/92
12787	92.05384	00.20226	4/16/92
12787	92.05385	00.20226	4/16/92
12787	92.05386	00.24896	4/16/92
12787	92.05387	00.20226	4/16/92
12787	92.05388	00.24892	4/15/92
12787	92.06439	00.20226	5/08/92

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HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12783

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rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.05120	to	92.05136
C	92.05367	to	92.05372
C	92.05373	to	92.05376
C	92.05377	to	92.05377
W	92.05137	to	92.05137

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/16/92
O	VOLATILES	PTGC	TRB	5/16/92
O	1336363	GCEC	WWB	5/16/92

REMARKS:

TA-53 LAGOONS --- SOUTH
CAUTION: THESE SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNT (ALPHA)

92.05120 TO 92.05137 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

92.05137 = VOLATILES ONLY!!!!!!

CS:
92.05367, 92.05368 = VOLATILES
92.05369 TO 92.05372 = VOLATILES METHOD BLK
92.05373, 92.05374 = SEMI-VOLATILES
92.05375, 92.05376 = SEMI-VOLATILES METHOD BLK
92.05377 = 1336363

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12783	92.05120	53-SC-G1-S	4/15/92
12783	92.05121	53-SC-H1-S-Q	4/15/92
12783	92.05122	53-SC-H1-S	4/15/92
12783	92.05123	53-SC-I1-S	4/15/92
12783	92.05124	53-SC-J1-S	4/15/92
12783	92.05125	53-SC-K1-S	4/15/92
12783	92.05126	53-SC-L1-S	4/15/92
12783	92.05127	53-SC-M1-S	4/15/92
12783	92.05128	53-SC-N1-S	4/15/92
12783	92.05129	53-SC-O1-S	4/15/92
12783	92.05130	53-SC-P1-S	4/15/92
12783	92.05131	53-SC-Q1-S	4/15/92
12783	92.05132	53-SC-R1-S	4/15/92
12783	92.05133	53-SC-S1-S	4/15/92
12783	92.05134	53-SC-T1-S	4/15/92
12783	92.05135	53-SC-U1-S	4/15/92
12783	92.05136	53-SC-CBS-S	4/15/92
12783	92.05137	53-SC-TPBLK	4/15/92
12783	92.05367	00.24898	4/16/92
12783	92.05368	00.24899	4/16/92
12783	92.05369	00.20227	4/16/92
12783	92.05370	00.20227	4/16/92
12783	92.05371	00.20227	4/16/92
12783	92.05372	00.20227	4/16/92
12783	92.05373	00.24895	4/16/92
12783	92.05374	00.24894	4/16/92
12783	92.05375	00.20227	4/16/92
12783	92.05376	00.20227	4/16/92
12783	92.05377	00.24666	1/25/92

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HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12783

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I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0018

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

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III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 17 + 5 [illegible]

Matrix	Initial SN		Final SN	# Received
C	92.05120	to	92.05136	17
C	92.05367	to	92.05372	6
C	92.05373	to	92.05376	4
C	92.05377	to	92.05377	1
W	92.05137	to	92.05137	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

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HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12777

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Program code: W21M Task ID number: Request date: 14-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04983	to	92.04999
C	92.05107	to	92.05112
C	92.05113	to	92.05116
C	92.05117	to	92.05117
W	92.05001	to	92.05002

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	5/14/92
O	VOLATILES	PTGC	SCB	5/14/92
O	1336363	GCEC	WWB	5/14/92

REMARKS:

TA-53 LAGOONS -- NE
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04983 TO 92.04999 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

92.05001, 92.05002 = VOLATILES ONLY!!!!

QCS:
92.05107, 92.05108 = VOLATILES
92.05109 TO 92.05112 = VOLATILES METHOD BLK
92.05113, 92.05114 = SEMI-VOLATILES
92.05115, 92.05116 = SEMI-VOLATILES METHOD BLK
92.05117 = 1336363

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12777	92.04983	53-NE-A1-S	4/14/92
12777	92.04984	53-NE-B1-S	4/14/92
12777	92.04985	53-NE-C1-S	4/14/92
12777	92.04986	53-NE-D1-S	4/14/92
12777	92.04987	53-NE-E1-S	4/14/92
12777	92.04988	53-NE-Q1-S	4/14/92
12777	92.04989	53-NE-Q-S-QA	4/14/92
12777	92.04990	53-NE-R-S	4/14/92
12777	92.04991	53-NE-S-S	4/14/92
12777	92.04992	53-NE-T-S	4/14/92
12777	92.04993	53-NE-U-S	4/14/92
12777	92.04994	53-NE-V-S	4/14/92
12777	92.04995	53-NE-W-S	4/14/92
12777	92.04996	53-NE-W-S-QA	4/14/92
12777	92.04997	53-NE-X-S	4/14/92
12777	92.04998	53-NE-Y-S	4/14/92
12777	92.04999	53-NE-Z-S	4/14/92
12777	92.05001	53-NE-TBLK	4/14/92
12777	92.05002	53-NE-FBLK	4/14/92
12777	92.05107	00.24884	4/15/92
12777	92.05108	00.24883	4/15/92
12777	92.05109	00.20227	4/15/92
12777	92.05110	00.20227	4/15/92
12777	92.05111	00.20227	4/15/92
12777	92.05112	00.20227	4/15/92
12777	92.05113	00.24875	4/14/92
12777	92.05114	00.24876	4/14/92
12777	92.05115	00.20227	4/15/92
12777	92.05116	00.20227	4/15/92
12777	92.05117	00.24599	3/03/92

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12772	92.04885	53-NW-O-W	4/13/92
12772	92.04886	53-NW-O-W-QA	4/13/92
12772	92.04887	53-NW-FDBLK	4/13/92
12772	92.04888	53-NW-FDBLK	4/13/92
12772	92.05003	53-NW-EBK-W	4/13/92
12772	92.05004	53-NE-Y-W	4/14/92
12772	92.05005	53-NE-Y-W-QA	4/14/92
12772	92.05006	53-NE-EBK-W	4/14/92
12772	92.05007	53-NE-FDBLK	4/14/92
12772	92.05357	00.24885	4/15/92
12772	92.05358	00.20226	4/16/92
12772	92.05359	00.20226	4/16/92
12772	92.05360	00.24877	4/14/92
12772	92.05361	00.20226	4/16/92
12772	92.05362	00.24893	4/15/92

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12772

Program code: W21M Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.04885	to	92.04886
W	92.04887	to	92.04888
W	92.05003	to	92.05006
W	92.05007	to	92.05007
W	92.05357	to	92.05359
W	92.05360	to	92.05361
W	92.05362	to	92.05362

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	4/27/92
O	VOLATILES	PTGC	SCB	4/27/92
O	1336363	GCEC	WMB	4/27/92

REMARKS:

TA-53 LAGOONS -- WATER
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS ARE BELOW BACKGROUND

92.04885, 92.04886, 92.05003 TO 92.05006 = ALL ANALYSIS
SET A AND B = VOLATILES (92.05003 A ONLY!)
SET C = SEMI-VOLATILES, 1336363

92.04887, 92.04888, 92.05007 = VOLATILES ONLY!!!!

QCS:
92.05357 = VOLATILES
92.05358, 92.05359 = VOLATILES METHOD BLK
92.05360 = SEMI-VOLATILES
92.05361 = SEMI-VOLATILES METHOD BLK
92.05362 = 1336363

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12769	92.04867	53-NW-A-S	4/13/92
12769	92.04868	53-NW-B-S	4/13/92
12769	92.04869	53-NW-C-S	4/13/92
12769	92.04870	53-NW-D-S	4/13/92
12769	92.04871	53-NW-E-S	4/13/92
12769	92.04872	53-NW-F-S	4/13/92
12769	92.04873	53-NW-G-S	4/13/92
12769	92.04874	53-NW-H-S	4/13/92
12769	92.04875	53-NW-I-S	4/13/92
12769	92.04876	53-NW-J-S	4/13/92
12769	92.04877	53-NW-K-S	4/13/92
12769	92.04878	53-NW-L-S	4/13/92
12769	92.04879	53-NW-N-S	4/13/92
12769	92.04880	53-NW-M-S	4/13/92
12769	92.04881	53-NW-N-S-QA	4/13/92
12769	92.04882	53-NW-O-S	4/13/92
12769	92.04883	53-NW-O-S-QA	4/13/92
12769	92.04951	00.24848	4/14/92
12769	92.04952	00.24847	4/14/92
12769	92.04953	00.20227	4/14/92
12769	92.04954	00.20227	4/14/92
12769	92.04955	00.20227	4/14/92
12769	92.04956	00.20227	4/14/92
12769	92.04957	00.24844	4/13/92
12769	92.04958	00.24845	4/13/92
12769	92.04959	00.20227	4/14/92
12769	92.04960	00.20227	4/14/92
12769	92.04961	00.24267	1/08/92
12769	92.04963	53-NW-TP BLK	4/13/92

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HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12769

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Program code: W21D Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04867	to	92.04883
C	92.04951	to	92.04956
C	92.04957	to	92.04958
C	92.04959	to	92.04960
C	92.04961	to	92.04961
W	92.04963	to	92.04963

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	5/13/92
O	VOLATILES	PTGC	SCB	5/13/92
O	1336363	GCEC	WWB	5/13/92

REMARKS:

TA-53 LAMPF LAGOONS -- NW

CAUTION: SAMPLES ARE A BIOHAZARD!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04867 TO 92.04883 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363
92.04963 = VOLATILES ONLY!!!!!!
QCS:
92.04951, 92.04952 = VOLATILES
92.04953 TO 92.04956 = VOLATILES METHOD BLK
92.04957, 92.04958 = SEMI-VOLATILES
92.04959, 92.04960 = SEMI-VOLATILES METHOD BLK
92.04961 = 1336363

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12772

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0001

Request date: 13-Apr-1992 Completion date: 27-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: HCL Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 9 + 3 QC

Matrix	Initial SN		Final SN	# Received
W	92.04885	to	92.04886	2
W	92.04887	to	92.04888	2
W	92.05003	to	92.05006	4
W	92.05007	to	92.05007	1
W	92.05357	to	92.05359	3
W	92.05360	to	92.05361	2
W	92.05362	to	92.05362	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

Re NW Impoundment
Sludge Samples

EM-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

TO: Philip Fresquez, EM-8
FROM: Anthony Lombardo, EM-9 Organic section
THROUGH: Chris Leibman, EM-9 Organic section leader

REQUEST NUMBER: 12769
MATRIX: Sludge
SUMMARY DATE: June 12, 1992

SAMPLE ID	TARGET COMPOUNDS FOUND	AMOUNT (ug/Kg)	LOQ (ug/Kg)
92.04959 (Blank)	NONE	<330	330
92.04867	Benzoic acid	4400	1900
	Bis-2-ethylhexylphthalate	6300	
92.04868	Benzoic acid	4200	1900
	Bis-2-ethylhexylphthalate	4300	
92.04869	Bis-2-ethylhexylphthalate	1800	930
	Di-n-butylphthalate	1300	
92.04870	Benzoic acid	5200	1900
	Bis-2-ethylhexylphthalate	2700	
92.04871	Benzoic acid	4600	1900
	Bis-2-ethylhexylphthalate	5500	
92.04872*	Bis-2-ethylhexylphthalate	2100	2000
92.04873*	NONE	<1900	1900
92.04874*	Bis-2-ethylhexylphthalate	2100	
92.04875	Benzoic acid	3800	1800
	Bis-2-ethylhexylphthalate	22700	
92.04876*	Bis-2-ethylhexylphthalate	13300	1900
92.04877*	Bis-2-ethylhexylphthalate	2900	1900
92.04878*	Di-n-Butylphthalate	~~2400~~	1900 — Result is <1900 per Report 14323
92.04879	Benzoic acid	3900	1900
	Bis-2-ethylhexylphthalate	5300	
92.04960 (Blank)	NONE	<330	330
92.04880	Bis-2-ethylhexylphthalate	8800	2000
92.04881	Benzoic acid	2700	1900
	Bis-2-ethylhexylphthalate	6600	
92.04882	Bis-2-ethylhexylphthalate	1300	960
92.04883	Bis-2-ethylhexylphthalate	990	970
92.05219	Bis-2-ethylhexylphthalate	1400	990
92.08237 (GPC Blk)	Phenol	1300	660
	Benzoic acid	620	
92.08238 (GPC Blk)	NONE	<660	660

LOQ: Limit Of Quantitation
*: Sample diluted 1:2

Samples were extracted by soxhlet extraction method (EPA SW-846, method 3540). Approximately 10 grams of sample was mixed with anhydrous sodium

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sulfate, placed in a soxhlet extraction thimble and extracted using methylene chloride in a soxhlet extractor for 16 to 24 hours.Sample extracts were concentrated to 1.0 ml final volume. Appropriate surrogate standards were added prior to extraction. Analysis was performed by capillary column GC/MS methods (column used was a J+W scientific DB5.625 30M X .25mm ID). Extraction and analysis methods are consistent with EPA SW-846 Methods 3540 and 8270.

The extraction thimbles could only hold approximately 10 grams of these samples because of the amount of sodium sulfate needed to dry them. Sample results are wet weight; a percent moisture study was not done due to health concerns since these were considered biohazard samples.

A GPC cleanup was performed on the following samples. The samples are listed below their associated GPC blank:

92.08237 (GPC Blk)	92.08238 (GPC Blk)
92.04870	92.04867MSD
92.04871	92.04881
92.04879	
92.04867	
92.04868	
92.04875	

GPC blank 92.08237 contained Phenol and Benzoic acid above the LOQ. Presence of these constituents in samples associated with this blank may be attributed to system contamination. GPC cleanup results in a doubling of the quantitation limit.

Some samples (see above) were diluted 1:2 due to sample matrix.

Internal standard Perylene-d12 was out of criteria (low) in the internal audit samples (92.04957 and 92.04958). No target compounds identified in the samples were effected by this internal standard.

Surrogate recoveries were out of control limits in some samples (see surrogate recovery form). However, these samples are within criteria since EPA methods allow for one surrogate recovery per fraction to be out the control limits if it is greater than 10%

Internal standard areas and surrogate recoveries were within criteria for the remaining samples. All analytical hold times were met for this request. If you have any questions regarding this data, please call either Anthony Lombardo or Laura Tsiagkouris at 667-5889.

6/24/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR SEMI-VOLATILES
IN SOIL TYPE MATRICES

REQUEST #: 12769

NUMBER OF SAMPLES: 9
MATRIX S
ANALYST: AJL
Date: 06/16/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	2-FLUORO-PHENOL	PHENOL (D6)	NITRO-BENZENE (D5)	2-FLUORO-BIPHENYL	2,4,6-TRIBROMO-PHENOL	TERPHENYL (D14)
1	B92.04960	BLANK	43	50	52	59	93	55
2	S92.04880	SAMPLE	44	66	59	87	93	87
3	S92.04881	SAMPLE	30	46	42	55	59	66
4	S92.04882	SAMPLE	33	45	44	57	130 *	64
5	S92.04883	SAMPLE	30	44	40	53	114	57
	S92.05219	SAMPLE	31	48	43	60	90	74
	S92.04958	SAMPLE	44	55	53	62	109	66
8	B92.08237	BLANK	52	54	62	67	70	60
9	B92.08238	BLANK	59	64	76	75	91	64
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
Average % Surrogate Recovery...			41	52	52	64	94	66
Defined Lower QC Limits (%)....			23	24	23	30	19	18
Defined Upper QC Limits (%)....			121	113	120	115	122	137
Observed Lower QC Limits (%)...			30	44	40	53	59	55
Observed Upper QC Limits (%)...			59	66	76	87	130	87

f % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By:

6/24/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR SEMI-VOLATILES
IN SOIL TYPE MATRICES

REQUEST #: 12769

NUMBER OF SAMPLES: 17
MATRIX S
ANALYST: AJL
Date: 06/16/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	2-FLUORO-PHENOL	PHENOL (D6)	NITRO-BENZENE (D5)	2-FLUORO-BIPHENYL	2,4,6-TRIBROMO-PHENOL	TERPHENYL (D14)
1	B92.04959	BLANK	35	47	50	63	110	56
2	S92.04867	SAMPLE	45	62	62	70	89	93
3	M92.04867	MATRIX SPIK	42	62	66	76	122	86
4	D92.04867	MATRIX SP-D	55	73	71	89	93	99
5	S92.04868	SAMPLE	34	49	51	61	61	67
6	S92.04869	SAMPLE	27	45	39	51	61	50
7	S92.04870	SAMPLE	35	45	46	62	80	78
8	S92.04871	SAMPLE	42	59	60	71	66	81
9	S92.04872	SAMPLE	19 *	31	31	40	95	48
10	S92.04873	SAMPLE	35	53	40	61	108	62
11	S92.04874	SAMPLE	45	51	56	61	60	58
12	S92.04875	SAMPLE	52	67	67	72	82	86
13	S92.04876	SAMPLE	43	57	52	70	62	71
14	S92.04877	SAMPLE	47	58	52	73	114	68
15	S92.04878	SAMPLE	41	51	53	69	63	61
16	S92.04879	SAMPLE	40	53	59	67	83	77
17	S92.04957	SAMPLE	46	58	54	68	118	69
18								
19								
20								
21								
22								

Average % Surrogate Recovery...	37	53	52	64	88	72
Defined Lower QC Limits (%)....	23	24	23	30	19	18
Defined Upper QC Limits (%)....	121	113	120	115	122	137
Observed Lower QC Limits (%)...	19	31	31	40	61	48
Observed Upper QC Limits (%)...	55	73	71	89	122	99

If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 6/24/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
MATRIX SPIKE RECOVERIES FOR SEMI-VOLATILES

		DRY WT/VOL (G or L)		AMOUNT SPIKED IN UG/KG ACIDS	BASES	LOQ (UG/KG)
REQUEST #:	12769					
NUMBER OF SAMPLES:	17					
SPIKE ID: (STARTS M OR E)	M92.04867	SPIKE	10.15	9852	4926	990
SPIKE DUP ID: (STARTS D OR F)	D92.04867	SPIKE-DUP	10.12	9881	4941	2000
RAW DATA WITH:	12769					
ANALYST:	AJL					

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
PHENOL	5700	7400	58%	75%	26%	26	90	35
2-CHLOROPHENOL	5000	5600	51%	57%	11%	25	102	50
1,4-DICHLOROBENZENE	2800	3300	57%	67%	16%	28	104	27
N-NITROSO-DI-N-PROPYLAMINE	3400	3300	69%	67%	3%	41	126	38
1,2,4-TRICLOROBENZENE	3400	3500	69%	71%	3%	38	107	23
4-CHLORO-3-METHYLPHENOL	7000	7900	71%	80%	12%	26	103	33
ACENAPHTHENE	3900	4300	79%	87%	9%	31	137	19
4-NITROPHENOL	7500	7900	76%	80%	5%	11	114	50
2,4-DINITROTOLUENE	3600	3900	73%	79%	8%	28	89	47
PENTACHLOROPHENOL	8200	10300	83%	104%	22%	17	109	47
PYRENE	3600	4000	73%	81%	10%	35	142	36

If % Matrix Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 6/29/92

NW and NE Impoundment
Water Samples

HSE-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Phil Fresquez
Thru: Chris Leibman
From: Matthew Monagle

Request Number: 12772
Matrix: Water
Summary Date: 13 June 1992
Page 1 of 2

Sample ID	Target Compounds Found	Amount (ug/L)	Level of Quantitation (ug/L)	TIC's
Blank (20-Apr.-1992)	NONE		11	Yes
92.04885	NONE		11	Yes
92.04886	NONE		11	Yes
92.05003	BENZOIC ACID	71	11	Yes
92.05004	NONE		11	Yes
92.05005	NONE		11	Yes
92.05006	BENZOIC ACID	61	11	Yes

Summary:

Six water samples were received by Sandra Cisneros Flores (EM-9) on 16 April 1992 at TA-59. The samples (along with a method blank, a blank spike, blank spike duplicate and quality control blind) were extracted by continuous liquid-liquid extraction on 20 April 1992.

Surrogate compounds were added to the matrix to determine the efficiency of the extraction. Analysis was performed on 07 and 11 May, 1992 at TA-35 using a J&W DB-5MS (0.25id X 0.5 film X 30m) capillary column, HP 5890 gas chromatography and an HP 5970 mass spectrometer. This method is consistent with EPA method 8270 in SW-846.

Benzoic acid was the only target compounds found above the reporting limit and only in the two samples cited. No target compounds were found in the blank.

c:\wp51\m2\qn2772w

6/18/92

HSE-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Phil Fresquez
Thru: Chris Leibman
From: Matthew Monagle

Request Number: 12772
Matrix: Water
Summary Date: 31 May 1992

Summary (cont.):

Few tentatively identified compounds were found above the reporting limit in these samples. Tentatively identified compounds (TIC's) were found in the blank. For a complete listing of the TIC's please contact Laura Tsiagkouris at 5-4993.

The reporting limit was raised to 11 (normally 10) because the samples were analyzed as a BNA/Pesticide split.

Analytical holding times for these samples were met. Preparatory holding times for the samples were also met.

Surrogate and Matrix Spike Recoveries:

Surrogate recoveries for all samples were in control. Some samples had low recoveries for Terphenyl (d-14). Based on historical evidence from 1991 this seems related to matrix effect and is not a function of the analytical process. Blank spike duplicate recoveries were low for several constituents. This in turn made the Relative Percent Deviation between the spike and spike duplicate high. This places this portion of the analysis out of control. However, this does not necessarily impact the sample analytical data.

Problems encountered:

No other problems were encountered with the analysis of these samples.

c:\wp51\m2\qn2772w

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR SEMI-VOLATILES
IN WATER

REQUEST #: 12772

NUMBER OF SAMPLES: 10
MATRIX W
ANALYST: MM
Date: 06/17/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	2-FLUORO-PHENOL	PHENOL (D6)	NITRO-BENZENE (D5)	2-FLUORO-BIPHENYL	2,4,6-TRIBROMO-PHENOL	TERPHENYL (D14)
1	E92.05361	BLANK	57	60	69	63	96	84
2	E92.05361	BLANK SPIKE	53	56	56	62	85	75
3	E92.05361	BLANK SP-DU	34	44	38	52	77	66
4	S92.05360	SAMPLE	49	55	65	57	89	86
	S92.04885	SAMPLE	58	60	66	52	54	11 *
	S92.04886	SAMPLE	43	53	62	52	48	13 *
7	S92.05003	SAMPLE	49	57	54	51	83	74
8	S92.05004	SAMPLE	64	70	68	63	73	16 *
9	S92.05005	SAMPLE	47	59	58	50	71	17 *
10	S92.05006	SAMPLE	53	31	59	61	36	80
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
	Average % Surrogate Recovery...		51	54	59	56	76	62
	Defined Lower QC Limits (%)....		21	10	35	43	10	33
	Defined Upper QC Limits (%)....		100	94	114	116	123	141
	Observed Lower QC Limits (%)...		34	31	38	50	48	11
	Observed Upper QC Limits (%)...		64	70	68	63	96	86

"*" in % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 6/18/92

[illegible] NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
MATRIX SPIKE RECOVERIES FOR SEMI-VOLATILES

		DRY WT/VOL (G or L)		AMOUNT SPIKED (50 OR 100 ug/ml) IN UG/KG or UG/L ACIDS	BASES	LOQ (UG/KG)
REQUEST #:	12772					
NUMBER OF SAMPLES:	10					
SPIKE ID: (STARTS M OR E)	E92.05361	SPIKE	1	100	50	10
SPIKE DUP ID: (STARTS D OR F)	F92.05361	SPIKE-DUP	1	100	50	10
RAW DATA WITH:	12772					
ANALYST:	MM					

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
	56	42	56%	42%	29%	12	89	42
2-CHLOROPHENOL	58	38	58%	38%	42%*	27	123	40
1,4-DICHLOROBENZENE	28	<LOQ	56%	0%*	200%*	36	97	28
N-NITROSO-DI-N-PROPYLAMINE	26	22	52%	44%	17%	41	116	38
1,2,4-TRICHLOROBENZENE	28	17	56%	34%*	49%*	39	98	28
4-CHLORO-3-METHYLPHENOL	51	55	51%	55%	8%	23	97	42
ACENAPHTHENE	28	24	56%	48%	15%	46	118	31
4-NITROPHENOL	51	46	51%	46%	10%	10	80	50
2,4-DINITROTOLUENE	28	27	56%	54%	4%	24	96	38
PENTACHLOROPHENOL	64	62	64%	62%	3%	9	103	50
PYRENE	23	27	46%	54%	16%	26	127	31

* % Matrix Recovery is followed by a ***, it is out of QC Limits.

Reviewed By: 6/15/92

NE Impoundment
Sludge Samples

EM-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

TO: Philip Fresquez, EM-8
FROM: Anthony Lombardo, EM-9 Organic section 6/24
THROUGH: Chris Leibman, EM-9 Organic section leader

REQUEST NUMBER: 12777
MATRIX: Sludge
SUMMARY DATE: June 12, 1992

SAMPLE ID	TARGET COMPOUNDS FOUND	AMOUNT (ug/Kg)	LOQ (ug/Kg)
92.05115 (Blk)	Di-n-Butylphthalate	820	330
92.04983	Bis-2-ethylhexylphthalate	1100	940
92.04984	Di-n-Butylphthalate	3800	970
	Bis-2-ethylhexylphthalate	1300	
92.04985*	Bis-2-ethylhexylphthalate	2600	1900
92.04986	Di-n-Butylphthalate	1100	990
92.04987*	NONE	<1900	1900
92.04988	Di-n-Butylphthalate	4000	990
92.04989	Di-n-Butylphthalate	1500	940
92.04990	Di-n-Butylphthalate	980	970
92.04991	Di-n-Butylphthalate	1900	980
	Bis-2-ethylhexylphthalate	2000	
92.04992	Benzoic acid	2500	1900
	Bis-2-ethylhexylphthalate	3400	
92.04993	Di-n-Butylphthalate	5300	990
	Bis-2-ethylhexylphthalate	2000	
92.04994*	Di-n-Butylphthalate	2600	1900
92.04995	NONE	<990	990
92.05116 (Blank)	NONE	<330	330
92.04996	NONE	<950	950
92.04997*	NONE	<1900	1900
92.04998**	NONE	<960	960
92.04999*	NONE	<1900	1900

LOQ: Limit Of Quantitation
*: Sample diluted 1:2
**: Sample was analyzed out of hold

Samples were extracted by soxhlet extraction method (EPA SW-846, method 3540). Approximately 10 grams of sample was mixed with anhydrous sodium sulfate, placed in a soxhlet extraction thimble and extracted using methylene chloride in a soxhlet extractor for 16 to 24 hours.Sample extracts were concentrated to 1.0 ml final volume. Appropriate surrogate standards were added prior to extraction. Analysis was performed by capillary column GC/MS methods (column used was a J+W scientific DB5.625 30M X .25mm ID). Extraction and analysis methods are consistent with EPA SW-846 Methods 3540 and 8270.

6/24/92

The extraction thimbles could only hold approximately 10 grams of these samples because of the amount of sodium sulfate needed to dry them. Sample results are wet weight; a percent moisture study was not done due to health concerns since these were considered biohazard samples.

A GPC cleanup was performed on the following samples. The samples are listed below their associated GPC blank:

92.08238 (GPC Blk)
92.04985
92.04992

GPC blank 92.08238 did not contain any target compounds above the LOQ and has not been reported. GPC cleanup results in a doubling of the quantitation limit.

Some samples (see above) were diluted 1:2 due to sample matrix.

Surrogate 2-Fluorophenol recoveries were out of control limits in sample 92.05116 (Blank) and sample 92.04983MSD (see surrogate recovery form). Sample 92.04983MSD is within criteria since EPA methods allow for one surrogate recovery per fraction to be out the control limits if it is greater than 10%. Sample 92.05116 is out of control since all surrogates are expected to be in control for blanks. This sample was analyzed twice to show that the problem was not in the analysis. Samples associated with this blank do not have low surrogate recoveries.

Sample 92.05116 (Blank) contained Di-n-Butylphthalate at 820 ug/Kg (above LOQ). This compound is a common laboratory contaminant and is allowed, to be at five times LOQ (1650 ug/Kg) by EPA standards. Presence of this compound in samples associated with this blank may be attributed to laboratory contamination.

Internal standard Perylene-D12 was low in samples 92.04992 and 92.04985. Samples were re-analyzed; Perylene-d12 was in criteria, however, Pentachlorophenol was out of criteria in the calibration. The first set of data was reported since no target compounds quantitated on perylene-d12 were present.

Data for the initial analysis of sample 92.04998 was lost after acquisition due to a computer network problem. This problem was not discovered until after the sample analytical hold time expired. The sample was re-analyzed out of hold; no target compounds were found above the LOQ. The out of hold analysis was reported.

Sample extraction, analysis and reporting were delayed in part due to the laboratory moratorium on mixed waste generation.

If you have any questions regarding this data, please call either Anthony Lombardo or Laura Tsiagkouris at 667-5889.

6/29/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR SEMI-VOLATILES
IN SOIL TYPE MATRICES

REQUEST #: 12777

NUMBER OF SAMPLES: 17
MATRIX C
ANALYST: AJL
Date: 06/24/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	2-FLUORO-PHENOL	PHENOL (D6)	NITRO-BENZENE (D5)	2-FLUORO-BIPHENYL	2,4,6-TRIBROMO-PHENOL	TERPHENYL (D14)
1	B92.05115	BLANK	26	36	43	52	51	66
2	S92.04983	SAMPLE	45	63	60	78	74	100
3	M92.04983	MATRIX SPIK	21 *	41	35	61	88	88
4	D92.04983	MATRIX SP-D	43	59	59	74	87	86
5	S92.04984	SAMPLE	28	47	49	58	73	63
6	S92.04985	SAMPLE	51	80	78	97	110	106
	S92.04986	SAMPLE	38	61	59	73	108	71
	S92.04987	SAMPLE	31	50	45	64	88	67
9	S92.04988	SAMPLE	41	58	56	72	80	90
10	S92.04989	SAMPLE	32	49	44	58	65	77
11	S92.04990	SAMPLE	39	62	59	76	80	79
12	S92.04991	SAMPLE	28	48	50	61	62	74
13	S92.04992	SAMPLE	61	83	82	102	107	96
14	S92.04993	SAMPLE	29	52	53	65	81	79
15	S92.04994	SAMPLE	33	49	47	60	84	78
16	S92.04995	SAMPLE	38	56	49	65	84	83
17	S92.05113	SAMPLE	43	53	63	74	54	66
18								
19								
20								
21								
22								

Average % Surrogate Recovery...	35	54	53	69	82	81
Defined Lower QC Limits (%)....	23	24	23	30	19	18
Defined Upper QC Limits (%)....	121	113	120	115	122	137
Observed Lower QC Limits (%)...	21	36	35	52	51	63
Observed Upper QC Limits (%)...	51	80	78	97	110	106

If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 6/24/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR SEMI-VOLATILES
IN SOIL TYPE MATRICES

REQUEST #: 12777

NUMBER OF SAMPLES: 6
MATRIX C
ANALYST: AJL
Date: 06/24/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	2-FLUORO-PHENOL	PHENOL (D6)	NITRO-BENZENE (D5)	2-FLUORO-BIPHENYL	2,4,6-TRIBROMO-PHENOL	TERPHENYL (D14)
1	B92.05116	BLANK	19 *	39	37	61	62	75
2	S92.04996	SAMPLE	63	77	74	85	93	75
3	S92.04997	SAMPLE	24	44	44	60	72	69
4	S92.04998	SAMPLE	38	57	61	67	83	81
5	S92.04999	SAMPLE	33	56	47	64	71	69
	S92.05114	SAMPLE	68	79	80	90	81	100
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
	Average % Surrogate Recovery...		41	59	57	71	77	78
	Defined Lower QC Limits (%)....		23	24	23	30	19	18
	Defined Upper QC Limits (%)....		121	113	120	115	122	137
	Observed Lower QC Limits (%)...		19	39	37	60	62	69
	Observed Upper QC Limits (%)...		68	79	80	90	93	100

f % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By:

6/24/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
MATRIX SPIKE RECOVERIES FOR SEMI-VOLATILES

		DRY WT/VOL (G or L)		AMOUNT SPIKED IN UG/KG ACIDS	BASES	LOQ (UG/KG)
REQUEST #:	12777					
NUMBER OF SAMPLES:	17					
SPIKE ID: (STARTS M OR E)	M92.04983	SPIKE	10.61	9425	4713	940
SPIKE DUP ID: (STARTS D OR F)	D92.04983	SPIKE-DUP	10.58	9452	4726	950
RAW DATA WITH:	12769					
ANALYST:	AJL					

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
...OL	3900	5300	41%	56%	30%	26	90	35
2-CHLOROPHENOL	2700	4900	29%	52%	58%*	25	102	50
1,4-DICHLOROBENZENE	<LOQ	2500	0%*	53%	200%*	28	104	27
N-NITROSO-DI-N-PROPYLAMINE	2200	3300	47%	70%	40%*	41	126	38
1,2,4-TRICLOROBENZENE	1800	3000	38%	63%	50%*	38	107	23
4-CHLORO-3-METHYLPHENOL	7300	7600	77%	80%	4%	26	103	33
ACENAPHTHENE	3700	4100	79%	87%	10%	31	137	19
4-NITROPHENOL	6800	6500	72%	69%	5%	11	114	50
2,4-DINITROTOLUENE	4000	4000	85%	85%	0%	28	89	47
PENTACHLOROPHENOL	7100	6800	75%	72%	5%	17	109	47
PYRENE	3900	4100	83%	87%	5%	35	142	36

f % Matrix Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: 2/29/92

South Impoundment Sludge

EM-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Phillip Fresquez
Thru: Chris Leibman CL
From: Matthew Monagle

Request Number: 12783
Matrix: Water
Summary Date: 19 August 1992
Page 1 of 3

Sample ID	Target Compounds Found	Amount (ug/kg)	Level of Quantitation (ug/kg)	TIC's
Blank (27-Apr.-1992)	NONE *		330	Yes
Blank (28-Apr.-1992)	NONE		330	Yes
92.05120	NONE		990	Yes
92.05121	NONE		950	Yes
92.05122	NONE		950	Yes
92.05123	NONE		950	Yes
92.09314	NONE		1000	Yes
92.05125	NONE		970	Yes
92.05126	NONE		990	Yes
92.05127	NONE		950	Yes
92.05128	NONE		990	Yes
92.05129	NONE		940	Yes
92.05130	Bis-2-ethyl-hexylphthalate	1300	940	Yes

c:\wpwin\qn2783c.mm

9/3/92

EM-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Phillip Fresquez
Thru: Chris Leibman
From: Matthew Monagle

Request Number: 12783
Matrix: Water
Summary Date: 19 August 1992

Sample ID	Target Compounds Found	Amount (ug/kg)	Level of Quantitation (ug/kg)	TIC's
92.05131	NONE		970	Yes
92.05132	NONE		950	Yes
92.05133	NONE		10,000	Yes
92.05134	NONE		10,000	Yes
92.09335	NONE		10,000	Yes
92.09336	NONE		1000	Yes

Summary:

Seventeen sludge samples were received by Sandra Cisneros Flores (EM-9) on 16 April 1992 at TA-50. The samples, along with a method blank were extracted by continuous liquid-liquid extraction on 27 and 28 April 1992.

Surrogate compounds were added to the matrix to determine the efficiency of the extraction. Due to radioactivity concerns, the analysis was performed at TA-35 on 23, 24, 28, 29 and 31 May 1992. Some analysis were also completed on 01 June 1992. Analysis were done using a J&W DB-5MS (0.25id X 0.5 film X 30m) capillary column, HP 5890 gas chromatograph and an HP 5970 mass spectrometer. This method is consistent with EPA method 8270 in SW-846

c:\wpwin\qn2783c.mm

9/3/92

EM-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Phillip Fresquez
Thru: Chris Leibman
From: Matthew Monagle

Request Number: 12783
Matrix: Water
Summary Date: 19 August 1992

Summary (cont.):

Only one target compound was found above the reporting limit in only one of the samples. Tentatively identified compounds, principally saturated hydrocarbons and cellusolves were found in all the samples above the reporting limit. No target compounds and few tentatively identified compounds (TIC's) were found in the blanks. For a complete listing of the TIC's please contact Laura Kelly at 5-4993.

Analytical holding times for these samples <u>were</u> met. Preparatory holding times for the samples <u>were</u> met.

Surrogate and Matrix Spike Recoveries:

Surrogate recoveries for all samples **were** within EPA guidelines. Surrogate recoveries for the first blank were outside EPA guidelines. Recoveries for the second blank were well within guidelines. Matrix spike recoveries were well within EPA guidelines.

Problems encountered:

Levels of quantitation for these samples are higher than normal. This is due to the extremely wet nature of the sample which led to less sample being extracted. For samples 92.05133, 92.05134, 92.05135, the final extract could only be concetrated to 10 ml's due to high levels of co-extracted material.

Keep in mind that the low recoveries for the first blank make it difficult to determine whether the bis-2-ethylhexyphthalate is due to laboratory contamination. No other problems were noted with the analysis of these samples.

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8/19/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR SEMI-VOLATILES
IN SOIL TYPE MATRICES

REQUEST #: 12783

NUMBER OF SAMPLES: 22
MATRIX C
ANALYST: MM
Date: 08/18/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	2-FLUORO-PHENOL	PHENOL (D6)	NITRO-BENZENE (D5)	2-FLUORO-BIPHENYL	2,4,6-TRIBROMO-PHENOL	TERPHENYL (D14)
1	B92.05375	BLANK	8 *	14 *	12 *	20 *	72	83
2	B92.05376	BLANK	35	42	43	55	70	80
3	M92.05120	MATRIX SPIK	44	54	53	65	96	83
4	D92.05120	MATRIX SP-D	26	43	41	57	85	79
5	S92.05374	SAMPLE	50	63	62	78	90	100
6	S92.05120	SAMPLE	25	38	36	51	86	81
7	S92.05121	SAMPLE	44	53	52	65	80	83
8	S92.05122	SAMPLE	39	52	55	69	90	84
9	S92.05123	SAMPLE	42	52	56	70	84	77
10	S92.05124	SAMPLE	33	48	51	63	81	75
11	S92.05125	SAMPLE	41	52	56	71	82	70
12	S92.05126	SAMPLE	35	49	52	58	87	77
13	S92.05127	SAMPLE	40	52	51	61	78	69
14	S92.05128	SAMPLE	30	43	42	55	78	73
15	S92.05129	SAMPLE	22 *	40	41	66	92	77
16	S92.05130	SAMPLE	28	44	43	60	71	82
17	S92.05131	SAMPLE	25	39	35	48	72	83
18	S92.05132	SAMPLE	34	46	45	59	75	77
19	S92.05133	SAMPLE	50	59	53	78	92	93
20	S92.05134	SAMPLE	46	55	54	79	89	93
21	S92.05135	SAMPLE	36	48	45	66	80	88
22	S92.05136	SAMPLE	32	43	41	63	85	85
	Average % Surrogate Recovery...		35	46	46	59	83	83
	Defined Lower QC Limits (%)....		23	24	23	30	19	18
	Defined Upper QC Limits (%)....		121	113	120	115	122	137
	Observed Lower QC Limits (%)...		8	14	12	20	70	75
	Observed Upper QC Limits (%)...		50	63	62	78	96	100

"*" If % Surrogate Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: AC 8/17/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-7
MATRIX SPIKE RECOVERIES FOR SEMI-VOLATILES

		DRY WT/VOL (G or L)		AMOUNT SPIKED IN UG/KG ACIDS	BASES	LOQ (UG/KG)
REQUEST #:	12783					
NUMBER OF SAMPLES:	22					
SPIKE ID: (STARTS M OR E)	M92.05120	SPIKE	10.47	9551	4776	960
SPIKE DUP ID: (STARTS D OR F)	D92.05120	SPIKE-DUP	10.38	9634	4817	960
RAW DATA WITH:	12783					
ANALYST:	MM					

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
PHENOL	4300	3600	45%	37%	19%	26	90	35
2-CHLOROPHENOL	4200	3200	44%	33%	28%	25	102	50
1,4-DICHLOROBENZENE	2200	1500	46%	31%	39%*	28	104	27
N-NITROSO-DI-N-PROPYLAMINE	2600	2300	54%	48%	13%	41	126	38
1,2,4-TRICLOROBENZENE	2700	2200	57%	46%	21%	38	107	23
4-CHLORO-3-METHYLPHENOL	5800	6000	61%	62%	3%	26	103	33
ACENAPHTHENE	3100	2800	65%	58%	11%	31	137	19
4-NITROPHENOL	5800	5100	61%	53%	14%	11	114	50
2,4-DINITROTOLUENE	3100	2900	65%	60%	8%	28	89	47
PENTACHLOROPHENOL	6900	5800	72%	60%	18%	17	109	47
PYRENE	3500	3300	73%	69%	7%	35	142	36

"*" If % Matrix Recovery is Followed by a "*", it is out of QC Limits.

Reviewed By: JKC 8/19/92

[illegible]

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR SEMI-VOLATILES
IN SOIL TYPE MATRICES

REQUEST #: 10733

NUMBER OF SAMPLES:
MATRIX
ANALYST: MM
Date: 06/29/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	2-FLUORO-PHENOL	PHENOL (D5)	NITRO-BENZENE (D5)	2-FLUORO-BIPHENYL	2,4,6-TRIBROMO-PHENOL	TERPHENYL (D14)
1	092.05373	SAMPLE	38	47	44	53	79	77
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
Average % Surrogate Recovery			38	47	44	53	79	77
Defined Lower QC Limits %			20	24	22	32	18	18
Defined Upper QC Limits %			110	113	115	120	111	137
Observed Lower QC Limits %			38	47	44	53	79	77
Observed Upper QC Limits %			38	47	44	53	79	77

* If the Surrogate Recovery is followed by a "*" it is out of the QC limits

Reviewed By: 8/19/92

South Impoundment
Water Samples

HSE-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Phil Fresquez
Thru: Chris Leibman
From: Matthew Monagle

Request Number: 12787
Matrix: Water
Summary Date: 31 May 1992

Sample ID	Target Compounds Found	Amount (ug/L)	Level of Quantitation (ug/L)	TIC's
Blank (21-Apr.-1992)	NONE		11	Yes
92.05154	NONE		11	Yes
92.05155	NONE		11	Yes
92.05156	NONE		11	Yes
92.05157	NONE		11	Yes

Summary:

Four water samples were received by Sandra Cisneros Flores (EM-9) on 20 April 1992 at TA-59. The samples (along with a method blank, a blank spike, blank spike duplicate and quality control blind) were extracted by continuous liquid-liquid extraction on 21 April 1992.

Surrogate compounds were added to the matrix to determine the efficiency of the extraction. Analysis was performed on 04, 07, and 11 May, 1992 at TA-35 by capillary gas chromatography/mass spectrometry using methods consistent with EPA method 8270, SW-846.

No target compounds were found above the reporting limit. No target compounds were found in the blank.

Few tentatively identified compounds were found above the reporting limit these samples. Tentatively identified compounds (TIC's) were found in the blank. For a complete listing of the TIC's please contact Laura Tsiagkouris at 5-4993.

Analytical holding times for these samples <u>were</u> met. Preparatory holding times for the samples were also met.

c:\wp51\m2\qn2787w

6/10/92

HSE-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Phil Fresquez
Thru: Chris Leibman
From: Matthew Monagle

Request Number: 12787
Matrix: Water
Summary Date: 31 May 1992

Surrogate and Matrix Spike Recoveries:

Surrogate recoveries for sample S92.05157 **were not** within EPA guidelines. Recoveries for 2-Fluorophenol were below 5%. The balance of the surrogates in this sample were within the guidelines. Surrogate recoveries for the balance of samples were well within EPA guidelines. Blank spike duplicate recoveries were low for several constituents. This in turn made the Relative Percent Deviation between the spike and spike duplicate high. This does not necessarily impact the sample analytical data. The balance of the matrix spike recoveries were [illegible] well within EPA guidelines.

Problems encountered:

Instrument problems were encountered during the analysis of the samples which accounts for the large time gap in the analysis of these samples. I apologize for this and hope that the problem is fixed so that it won't happen [illegible] Problems were encountered with the analysis of these samples.

[illegible]

6/10/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
SURROGATE RECOVERIES FOR SEMI-VOLATILES
IN WATER

REQUEST #: 12737

NUMBER OF SAMPLES: 7
MATRIX W
ANALYST: MM
Date: 06/24/92

SURROGATE RECOVERIES

SURROGATE
RECOVERIES IN PERCENT (%)

	SAMPLE NUMBERS	TYPE	2-FLUORO-PHENOL	PHENOL (D6)	NITRO-BENZENE (D5)	2-FLUORO-BIPHENYL	2,4,6-TRIBROMO-PHENOL	TERPHENYL (D14)
1	B92.05361	BLANK	57	50	68	63	95	84
2	B92.05361	BLANK SPIKE	58	56	56	62	85	75
3	B92.05361	BLANK SP-DU	34	44	38	52	77	66
4	S92.05154	SAMPLE	63	68	60	61	82	45
5	S92.05155	SAMPLE	64	67	65	64	84	42
6	S92.05156	SAMPLE	45	47	59	57	103	76
7	S92.05157	SAMPLE	5 *	24	40	45	38	89
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								

Average % Surrogate Recovery...	47	52	55	58	81	66
Defined Lower QC Limits (%)....	21	10	35	43	10	33
Defined Upper QC Limits (%)....	100	94	114	116	123	141
Observed Lower QC Limits (%)...	5	24	38	45	38	42
Observed Upper QC Limits (%)...	64	68	63	64	103	89

*** If % Surrogate Recovery is Followed by a ***, it is out of QC Limits.

Reviewed By: 6/18/92

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-9
MATRIX SPIKE RECOVERIES FOR SEMI-VOLATILES

		DRY WT/VOL (G or L)		AMOUNT SPIKED (50 OR 100 ug/L) IN UG/KG or UG/L		
REQUEST #:	12787					
NUMBER OF SAMPLES:	7			ACTUS	BASUS	LOQ (UG/KG)
SPIKE ID: (STARTS M OR E)	E32.05361	SPIKE	1	100	50	.0
SPIKE DUP ID: (STARTS D OR F)	F32.05362	SPIKE-DUP	1	100	[illegible]	.0
RAW DATA WITH:	12772					
ANALYST:	MM					

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
[illegible]	35	42	55%	42%	[illegible]	[illegible]	33	[illegible]
[illegible]-CHLOROPHENOL	[illegible]	38	58%	38%	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-DICHLOROBENZENE	28		56%	0%*	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-N-NITROSODI-N-PROPYLAMINE	26	22	52%	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]4-TRICHLOROBENZENE	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-NITROSO-3-METHYLPHENOL	31	15	31%	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	18	24	36%	48%	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	28	27	56%	54%	4%	[illegible]	[illegible]	[illegible]
[illegible]	31	32	64%	62%	3%	[illegible]	[illegible]	[illegible]
[illegible]	23	27	46%	54%	16%	[illegible]	[illegible]	[illegible]

% Matrix Recovery is followed by a "*". It is out of QC limits.

Reviewed By: [illegible] 4/8/92

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04983 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	83329	< 940.		UG/KG	6/24/92		Acenaphthene
53-NE-A1-S	92.04983	208968	< 940.		UG/KG	6/24/92		Acenaphthylene
53-NE-A1-S	92.04983	62533	< 940.		UG/KG	6/24/92		Aniline
53-NE-A1-S	92.04983	120127	< 940.		UG/KG	6/24/92		Anthracene
53-NE-A1-S	92.04983	103333	< 940.		UG/KG	6/24/92		Azobenzene
53-NE-A1-S	92.04983	92875	< 940.		UG/KG	6/24/92		m-Benzidine
53-NE-A1-S	92.04983	56553	< 940.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-A1-S	92.04983	50328	< 940.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-A1-S	92.04983	205992	< 940.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-A1-S	92.04983	191242	< 940.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-A1-S	92.04983	207089	< 940.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-A1-S	92.04983	65850	< 940.		UG/KG	6/24/92		Benzoic acid
53-NE-A1-S	92.04983	100516	< 940.		UG/KG	6/24/92		Benzyl alcohol
53-NE-A1-S	92.04983	111911	< 940.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-A1-S	92.04983	111444	< 940.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-A1-S	92.04983	108601	< 940.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-A1-S	92.04983	117817	1100.	330.	UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-A1-S	92.04983	101553	< 940.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-A1-S	92.04983	85687	< 940.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-A1-S	92.04983	59507	< 940.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-A1-S	92.04983	106478	< 940.		UG/KG	6/24/92		4-Chloroaniline
53-NE-A1-S	92.04983	91587	< 940.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-A1-S	92.04983	95578	< 940.		UG/KG	6/24/92		o-Chlorophenol
53-NE-A1-S	92.04983	7005723	< 940.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-A1-S	92.04983	218019	< 940.		UG/KG	6/24/92		Chrysene
53-NE-A1-S	92.04983	84742	< 940.		UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	117840	< 940.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-A1-S	92.04983	53703	< 940.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-A1-S	92.04983	132649	< 940.		UG/KG	6/24/92		Dibenzofuran
53-NE-A1-S	92.04983	95501	< 940.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-A1-S	92.04983	541731	< 940.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-A1-S	92.04983	106467	< 940.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-A1-S	92.04983	91941	< 940.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-A1-S	92.04983	120832	< 940.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-A1-S	92.04983	84662	< 940.		UG/KG	6/24/92		Diethyl phthalate
53-NE-A1-S	92.04983	131113	< 940.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-A1-S	92.04983	105679	< 940.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-A1-S	92.04983	51285	< 940.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-A1-S	92.04983	121142	< 940.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-A1-S	92.04983	606202	< 940.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-A1-S	92.04983	206440	< 940.		UG/KG	6/24/92		Fluoranthene
53-NE-A1-S	92.04983	86737	< 940.		UG/KG	6/24/92		Fluorene
53-NE-A1-S	92.04983	118741	< 940.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-A1-S	92.04983	87683	< 940.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-A1-S	92.04983	77474	< 940.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-A1-S	92.04983	67721	< 940.		UG/KG	6/24/92		Hexachloroethane
53-NE-A1-S	92.04983	193395	< 940.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-A1-S	92.04983	78591	< 940.		UG/KG	6/24/92		Isophorone
53-NE-A1-S	92.04983	534521	< 940.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-A1-S	92.04983	91576	< 940.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-A1-S	92.04983	95487	< 940.		UG/KG	6/24/92		2-Methylphenol
53-NE-A1-S	92.04983	106445	< 940.		UG/KG	6/24/92		4-Methylphenol
53-NE-A1-S	92.04983	91203	< 940.		UG/KG	6/24/92		Naphthalene
53-NE-A1-S	92.04983	88744	< 940.		UG/KG	6/24/92		2-Nitroaniline
53-NE-A1-S	92.04983	99092	< 940.		UG/KG	6/24/92		3-Nitroaniline
53-NE-A1-S	92.04983	100016	< 940.		UG/KG	6/24/92		4-Nitroaniline
53-NE-A1-S	92.04983	98953	< 940.		UG/KG	6/24/92		Nitrobenzene
53-NE-A1-S	92.04983	88755	< 940.		UG/KG	6/24/92		2-Nitrophenol
53-NE-A1-S	92.04983	100027	< 940.		UG/KG	6/24/92		4-Nitrophenol
53-NE-A1-S	92.04983	621647	< 940.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-A1-S	92.04983	62759	< 940.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-A1-S	92.04983	86306	< 940.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	87865	< 940.		UG/KG	6/24/92		Pentachlorophenol
53-NE-A1-S	92.04983	85018	< 940.		UG/KG	6/24/92		Phenanthrene
53-NE-A1-S	92.04983	108952	< 940.		UG/KG	6/24/92		Phenol
53-NE-A1-S	92.04983	129000	< 940.		UG/KG	6/24/92		Pyrene
53-NE-A1-S	92.04983	120821	< 940.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-A1-S	92.04983	95954	< 940.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-A1-S	92.04983	88062	< 940.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04983

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.04983 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	83329	4712.54	3700.	UG/KG	6/24/92		Acenaphthene
53-NE-A1-S	92.04983	59507	9425.07	7300.	UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-A1-S	92.04983	95578	9425.07	2700.	UG/KG	6/24/92		o-Chlorophenol
53-NE-A1-S	92.04983	106467	< 4712.54	940.	UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-A1-S	92.04983	121142	4712.54	4000.	UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-A1-S	92.04983	100027	9425.07	6800.	UG/KG	6/24/92		4-Nitrophenol
53-NE-A1-S	92.04983	621647	4712.54	2200.	UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-A1-S	92.04983	87865	9425.07	7100.	UG/KG	6/24/92		Pentachlorophenol
53-NE-A1-S	92.04983	108952	9425.07	3900.	UG/KG	6/24/92		Phenol
53-NE-A1-S	92.04983	129000	4712.54	3900.	UG/KG	6/24/92		Pyrene
53-NE-A1-S	92.04983	120821	4712.54	1800.	UG/KG	6/24/92		1,2,4-Trichlorobenzene

Matrix Spike Duplicate Results for Sample # 92.04983 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	83329	4725.9	4100.	UG/KG	6/24/92		Acenaphthene
53-NE-A1-S	92.04983	59507	9451.8	7600.	UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-A1-S	92.04983	95578	9451.8	4900.	UG/KG	6/24/92		o-Chlorophenol
53-NE-A1-S	92.04983	106467	< 4725.9	2500.	UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-A1-S	92.04983	121142	4725.9	4000.	UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-A1-S	92.04983	100027	9451.8	6500.	UG/KG	6/24/92		4-Nitrophenol
53-NE-A1-S	92.04983	621647	4725.9	3300.	UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-A1-S	92.04983	87865	9451.8	6800.	UG/KG	6/24/92		Pentachlorophenol
53-NE-A1-S	92.04983	108952	9451.8	5300.	UG/KG	6/24/92		Phenol
53-NE-A1-S	92.04983	129000	4725.9	4100.	UG/KG	6/24/92		Pyrene
53-NE-A1-S	92.04983	120821	4725.9	3000.	UG/KG	6/24/92		1,2,4-Trichlorobenzene

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04984 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 6/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-B1-S	92.04984	83329	< 970.		UG/KG	6/24/92		Acenaphthene
53-NE-B1-S	92.04984	208968	< 970.		UG/KG	6/24/92		Acenaphthylene
53-NE-B1-S	92.04984	62533	< 970.		UG/KG	6/24/92		Aniline
53-NE-B1-S	92.04984	120127	< 970.		UG/KG	6/24/92		Anthracene
53-NE-B1-S	92.04984	103333	< 970.		UG/KG	6/24/92		Azobenzene
53-NE-B1-S	92.04984	92875	< 970.		UG/KG	6/24/92		m-Benzidine
53-NE-B1-S	92.04984	56553	< 970.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-B1-S	92.04984	50328	< 970.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-B1-S	92.04984	205992	< 970.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-B1-S	92.04984	191242	< 970.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-B1-S	92.04984	207089	< 970.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-B1-S	92.04984	65850	< 970.		UG/KG	6/24/92		Benzoic acid
53-NE-B1-S	92.04984	100516	< 970.		UG/KG	6/24/92		Benzyl alcohol
53-NE-B1-S	92.04984	111911	< 970.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-B1-S	92.04984	111444	< 970.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-B1-S	92.04984	108601	< 970.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-B1-S	92.04984	117817	1300.	390.	UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-B1-S	92.04984	101553	< 970.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-B1-S	92.04984	85687	< 970.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-B1-S	92.04984	59507	< 970.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-B1-S	92.04984	106478	< 970.		UG/KG	6/24/92		4-Chloroaniline
53-NE-B1-S	92.04984	91587	< 970.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-B1-S	92.04984	95578	< 970.		UG/KG	6/24/92		o-Chlorophenol
53-NE-B1-S	92.04984	7005723	< 970.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-B1-S	92.04984	218019	< 970.		UG/KG	6/24/92		Chrysene
53-NE-B1-S	92.04984	84742	3800.	1140.	UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-B1-S	92.04984	117840	< 970.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-B1-S	92.04984	53703	< 970.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-B1-S	92.04984	132649	< 970.		UG/KG	6/24/92		Dibenzofuran
53-NE-B1-S	92.04984	95501	< 970.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-B1-S	92.04984	541731	< 970.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-B1-S	92.04984	106467	< 970.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-B1-S	92.04984	91941	< 970.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-B1-S	92.04984	120832	< 970.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-B1-S	92.04984	84662	< 970.		UG/KG	6/24/92		Diethyl phthalate
53-NE-B1-S	92.04984	131113	< 970.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-B1-S	92.04984	105679	< 970.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-B1-S	92.04984	51285	< 970.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-B1-S	92.04984	121142	< 970.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-B1-S	92.04984	606202	< 970.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-B1-S	92.04984	206440	< 970.		UG/KG	6/24/92		Fluoranthene
53-NE-B1-S	92.04984	86737	< 970.		UG/KG	6/24/92		Fluorene
53-NE-B1-S	92.04984	118741	< 970.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-B1-S	92.04984	87683	< 970.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-B1-S	92.04984	77474	< 970.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-B1-S	92.04984	67721	< 970.		UG/KG	6/24/92		Hexachloroethane
53-NE-B1-S	92.04984	193395	< 970.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-B1-S	92.04984	78591	< 970.		UG/KG	6/24/92		Isophorone
53-NE-B1-S	92.04984	534521	< 970.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-B1-S	92.04984	91576	< 970.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-B1-S	92.04984	95487	< 970.		UG/KG	6/24/92		2-Methylphenol
53-NE-B1-S	92.04984	106445	< 970.		UG/KG	6/24/92		4-Methylphenol
53-NE-B1-S	92.04984	91203	< 970.		UG/KG	6/24/92		Naphthalene
53-NE-B1-S	92.04984	88744	< 970.		UG/KG	6/24/92		2-Nitroaniline
53-NE-B1-S	92.04984	99092	< 970.		UG/KG	6/24/92		3-Nitroaniline
53-NE-B1-S	92.04984	100016	< 970.		UG/KG	6/24/92		4-Nitroaniline
53-NE-B1-S	92.04984	98953	< 970.		UG/KG	6/24/92		Nitrobenzene
53-NE-B1-S	92.04984	88755	< 970.		UG/KG	6/24/92		2-Nitrophenol
53-NE-B1-S	92.04984	100027	< 970.		UG/KG	6/24/92		4-Nitrophenol
53-NE-B1-S	92.04984	621647	< 970.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-B1-S	92.04984	62759	< 970.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-B1-S	92.04984	86306	< 970.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-B1-S	92.04984	87865	< 970.		UG/KG	6/24/92		Pentachlorophenol
53-NE-B1-S	92.04984	85018	< 970.		UG/KG	6/24/92		Phenanthrene
53-NE-B1-S	92.04984	108952	< 970.		UG/KG	6/24/92		Phenol
53-NE-B1-S	92.04984	129000	< 970.		UG/KG	6/24/92		Pyrene
53-NE-B1-S	92.04984	120821	< 970.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-B1-S	92.04984	95954	< 970.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-B1-S	92.04984	88062	< 970.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04984

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04985 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 6/02/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-C1-S	92.04985	83329	< 1900.		UG/KG	6/24/92	GPC CLEANED	Acenaphthene
53-NE-C1-S	92.04985	208968	< 1900.		UG/KG	6/24/92	GPC CLEANED	Acenaphthylene
53-NE-C1-S	92.04985	62533	< 1900.		UG/KG	6/24/92	GPC CLEANED	Aniline
53-NE-C1-S	92.04985	120127	< 1900.		UG/KG	6/24/92	GPC CLEANED	Anthracene
53-NE-C1-S	92.04985	103333	< 1900.		UG/KG	6/24/92	GPC CLEANED	Azobenzene
53-NE-C1-S	92.04985	92875	< 1900.		UG/KG	6/24/92	GPC CLEANED	m-Benzidine
53-NE-C1-S	92.04985	56553	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[a]anthracene
53-NE-C1-S	92.04985	50328	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[a]pyrene
53-NE-C1-S	92.04985	205992	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[b]fluoranthene
53-NE-C1-S	92.04985	191242	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[g,h,i]perylene
53-NE-C1-S	92.04985	207089	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[k]fluoranthene
53-NE-C1-S	92.04985	65850	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzoic acid
53-NE-C1-S	92.04985	100516	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzyl alcohol
53-NE-C1-S	92.04985	111911	< 1900.		UG/KG	6/24/92	GPC CLEANED	Bis(2-chloroethoxy)methane
53-NE-C1-S	92.04985	111444	< 1900.		UG/KG	6/24/92	GPC CLEANED	Bis(2-chloroethyl)ether
53-NE-C1-S	92.04985	108601	< 1900.		UG/KG	6/24/92	GPC CLEANED	Bis(2-chloroisopropyl)ether
53-NE-C1-S	92.04985	117817	2600.	780.	UG/KG	6/24/92	GPC CLEANED	Bis(2-ethylhexyl)phthalate
53-NE-C1-S	92.04985	101553	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Bromophenylphenyl ether
53-NE-C1-S	92.04985	85687	< 1900.		UG/KG	6/24/92	GPC CLEANED	Butyl benzyl phthalate
53-NE-C1-S	92.04985	59507	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Chloro-3-methylphenol
53-NE-C1-S	92.04985	106478	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Chloroaniline
53-NE-C1-S	92.04985	91587	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Chloronaphthalene
53-NE-C1-S	92.04985	95578	< 1900.		UG/KG	6/24/92	GPC CLEANED	o-Chlorophenol
53-NE-C1-S	92.04985	7005723	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Chlorophenylphenyl ether
53-NE-C1-S	92.04985	218019	< 1900.		UG/KG	6/24/92	GPC CLEANED	Chrysene
53-NE-C1-S	92.04985	84742	< 1900.		UG/KG	6/24/92	GPC CLEANED	Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-C1-S	92.04985	117840	< 1900.		UG/KG	6/24/92	GPC CLEANED	Di-n-octyl phthalate
53-NE-C1-S	92.04985	53703	< 1900.		UG/KG	6/24/92	GPC CLEANED	Dibenzo[a,h]anthracene
53-NE-C1-S	92.04985	132649	< 1900.		UG/KG	6/24/92	GPC CLEANED	Dibenzofuran
53-NE-C1-S	92.04985	95501	< 1900.		UG/KG	6/24/92	GPC CLEANED	o-Dichlorobenzene (1,2)
53-NE-C1-S	92.04985	541731	< 1900.		UG/KG	6/24/92	GPC CLEANED	m-Dichlorobenzene (1,3)
53-NE-C1-S	92.04985	106467	< 1900.		UG/KG	6/24/92	GPC CLEANED	p-Dichlorobenzene (1,4)
53-NE-C1-S	92.04985	91941	< 1900.		UG/KG	6/24/92	GPC CLEANED	3,3'-Dichlorobenzidine
53-NE-C1-S	92.04985	120832	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4-Dichlorophenol
53-NE-C1-S	92.04985	84662	< 1900.		UG/KG	6/24/92	GPC CLEANED	Diethyl phthalate
53-NE-C1-S	92.04985	131113	< 1900.		UG/KG	6/24/92	GPC CLEANED	Dimethyl phthalate
53-NE-C1-S	92.04985	105679	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4-Dimethylphenol
53-NE-C1-S	92.04985	51285	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4-Dinitrophenol
53-NE-C1-S	92.04985	121142	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4-Dinitrotoluene
53-NE-C1-S	92.04985	606202	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,6-Dinitrotoluene
53-NE-C1-S	92.04985	206440	< 1900.		UG/KG	6/24/92	GPC CLEANED	Fluoranthene
53-NE-C1-S	92.04985	86737	< 1900.		UG/KG	6/24/92	GPC CLEANED	Fluorene
53-NE-C1-S	92.04985	118741	< 1900.		UG/KG	6/24/92	GPC CLEANED	Hexachlorobenzene
53-NE-C1-S	92.04985	87683	< 1900.		UG/KG	6/24/92	GPC CLEANED	Hexachlorobutadiene
53-NE-C1-S	92.04985	77474	< 1900.		UG/KG	6/24/92	GPC CLEANED	Hexachlorocyclopentadiene
53-NE-C1-S	92.04985	67721	< 1900.		UG/KG	6/24/92	GPC CLEANED	Hexachloroethane
53-NE-C1-S	92.04985	193395	< 1900.		UG/KG	6/24/92	GPC CLEANED	Indeno[1,2,3-cd]pyrene
53-NE-C1-S	92.04985	78591	< 1900.		UG/KG	6/24/92	GPC CLEANED	Isophorone
53-NE-C1-S	92.04985	534521	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Methyl-4,6-dinitrophenol
53-NE-C1-S	92.04985	91576	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Methylnaphthalene
53-NE-C1-S	92.04985	95487	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Methylphenol
53-NE-C1-S	92.04985	106445	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Methylphenol
53-NE-C1-S	92.04985	91203	< 1900.		UG/KG	6/24/92	GPC CLEANED	Naphthalene
53-NE-C1-S	92.04985	88744	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Nitroaniline
53-NE-C1-S	92.04985	99092	< 1900.		UG/KG	6/24/92	GPC CLEANED	3-Nitroaniline
53-NE-C1-S	92.04985	100016	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Nitroaniline
53-NE-C1-S	92.04985	98953	< 1900.		UG/KG	6/24/92	GPC CLEANED	Nitrobenzene
53-NE-C1-S	92.04985	88755	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Nitrophenol
53-NE-C1-S	92.04985	100027	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Nitrophenol
53-NE-C1-S	92.04985	621647	< 1900.		UG/KG	6/24/92	GPC CLEANED	N-Nitrosodi-n-propylamine
53-NE-C1-S	92.04985	62759	< 1900.		UG/KG	6/24/92	GPC CLEANED	N-Nitrosodimethylamine
53-NE-C1-S	92.04985	86306	< 1900.		UG/KG	6/24/92	GPC CLEANED	N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-C1-S	92.04985	87865	< 1900.		UG/KG	6/24/92	GPC CLEANED	Pentachlorophenol
53-NE-C1-S	92.04985	85018	< 1900.		UG/KG	6/24/92	GPC CLEANED	Phenanthrene
53-NE-C1-S	92.04985	108952	< 1900.		UG/KG	6/24/92	GPC CLEANED	Phenol
53-NE-C1-S	92.04985	129000	< 1900.		UG/KG	6/24/92	GPC CLEANED	Pyrene
53-NE-C1-S	92.04985	120821	< 1900.		UG/KG	6/24/92	GPC CLEANED	1,2,4-Trichlorobenzene
53-NE-C1-S	92.04985	95954	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4,5-Trichlorophenol
53-NE-C1-S	92.04985	88062	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04985

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04986 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 6/02/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-D1-S	92.04986	83329	< 990.		UG/KG	6/24/92		Acenaphthene
53-NE-D1-S	92.04986	208968	< 990.		UG/KG	6/24/92		Acenaphthylene
53-NE-D1-S	92.04986	62533	< 990.		UG/KG	6/24/92		Aniline
53-NE-D1-S	92.04986	120127	< 990.		UG/KG	6/24/92		Anthracene
53-NE-D1-S	92.04986	103333	< 990.		UG/KG	6/24/92		Azobenzene
53-NE-D1-S	92.04986	92875	< 990.		UG/KG	6/24/92		m-Benzidine
53-NE-D1-S	92.04986	56553	< 990.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-D1-S	92.04986	50328	< 990.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-D1-S	92.04986	205992	< 990.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-D1-S	92.04986	191242	< 990.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-D1-S	92.04986	207089	< 990.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-D1-S	92.04986	65850	< 990.		UG/KG	6/24/92		Benzoic acid
53-NE-D1-S	92.04986	100516	< 990.		UG/KG	6/24/92		Benzyl alcohol
53-NE-D1-S	92.04986	111911	< 990.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-D1-S	92.04986	111444	< 990.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-D1-S	92.04986	108601	< 990.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-D1-S	92.04986	117817	< 990.		UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-D1-S	92.04986	101553	< 990.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-D1-S	92.04986	85687	< 990.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-D1-S	92.04986	59507	< 990.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-D1-S	92.04986	106478	< 990.		UG/KG	6/24/92		4-Chloroaniline
53-NE-D1-S	92.04986	91587	< 990.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-D1-S	92.04986	95578	< 990.		UG/KG	6/24/92		o-Chlorophenol
53-NE-D1-S	92.04986	7005723	< 990.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-D1-S	92.04986	218019	< 990.		UG/KG	6/24/92		Chrysene
53-NE-D1-S	92.04986	84742	1100.	330.	UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-D1-S	92.04986	117840	< 990.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-D1-S	92.04986	53703	< 990.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-D1-S	92.04986	132649	< 990.		UG/KG	6/24/92		Dibenzofuran
53-NE-D1-S	92.04986	95501	< 990.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-D1-S	92.04986	541731	< 990.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-D1-S	92.04986	106467	< 990.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-D1-S	92.04986	91941	< 990.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-D1-S	92.04986	120832	< 990.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-D1-S	92.04986	84662	< 990.		UG/KG	6/24/92		Diethyl phthalate
53-NE-D1-S	92.04986	131113	< 990.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-D1-S	92.04986	105679	< 990.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-D1-S	92.04986	51285	< 990.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-D1-S	92.04986	121142	< 990.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-D1-S	92.04986	606202	< 990.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-D1-S	92.04986	206440	< 990.		UG/KG	6/24/92		Fluoranthene
53-NE-D1-S	92.04986	86737	< 990.		UG/KG	6/24/92		Fluorene
53-NE-D1-S	92.04986	118741	< 990.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-D1-S	92.04986	87683	< 990.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-D1-S	92.04986	77474	< 990.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-D1-S	92.04986	67721	< 990.		UG/KG	6/24/92		Hexachloroethane
53-NE-D1-S	92.04986	193395	< 990.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-D1-S	92.04986	78591	< 990.		UG/KG	6/24/92		Isophorone
53-NE-D1-S	92.04986	534521	< 990.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-D1-S	92.04986	91576	< 990.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-D1-S	92.04986	95487	< 990.		UG/KG	6/24/92		2-Methylphenol
53-NE-D1-S	92.04986	106445	< 990.		UG/KG	6/24/92		4-Methylphenol
53-NE-D1-S	92.04986	91203	< 990.		UG/KG	6/24/92		Naphthalene
53-NE-D1-S	92.04986	88744	< 990.		UG/KG	6/24/92		2-Nitroaniline
53-NE-D1-S	92.04986	99092	< 990.		UG/KG	6/24/92		3-Nitroaniline
53-NE-D1-S	92.04986	100016	< 990.		UG/KG	6/24/92		4-Nitroaniline
53-NE-D1-S	92.04986	98953	< 990.		UG/KG	6/24/92		Nitrobenzene
53-NE-D1-S	92.04986	88755	< 990.		UG/KG	6/24/92		2-Nitrophenol
53-NE-D1-S	92.04986	100027	< 990.		UG/KG	6/24/92		4-Nitrophenol
53-NE-D1-S	92.04986	621647	< 990.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-D1-S	92.04986	62759	< 990.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-D1-S	92.04986	86306	< 990.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-D1-S	92.04986	87865	< 990.		UG/KG	6/24/92		Pentachlorophenol
53-NE-D1-S	92.04986	85018	< 990.		UG/KG	6/24/92		Phenanthrene
53-NE-D1-S	92.04986	108952	< 990.		UG/KG	6/24/92		Phenol
53-NE-D1-S	92.04986	129000	< 990.		UG/KG	6/24/92		Pyrene
53-NE-D1-S	92.04986	120821	< 990.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-D1-S	92.04986	95954	< 990.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-D1-S	92.04986	88062	< 990.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04986

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04987 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/21/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-E1-S	92.04987	83329	< 1900.		UG/KG	6/24/92		Acenaphthene
53-NE-E1-S	92.04987	208968	< 1900.		UG/KG	6/24/92		Acenaphthylene
53-NE-E1-S	92.04987	62533	< 1900.		UG/KG	6/24/92		Aniline
53-NE-E1-S	92.04987	120127	< 1900.		UG/KG	6/24/92		Anthracene
53-NE-E1-S	92.04987	103333	< 1900.		UG/KG	6/24/92		Azobenzene
53-NE-E1-S	92.04987	92875	< 1900.		UG/KG	6/24/92		m-Benzidine
53-NE-E1-S	92.04987	56553	< 1900.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-E1-S	92.04987	50328	< 1900.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-E1-S	92.04987	205992	< 1900.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-E1-S	92.04987	191242	< 1900.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-E1-S	92.04987	207089	< 1900.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-E1-S	92.04987	65850	< 1900.		UG/KG	6/24/92		Benzoic acid
53-NE-E1-S	92.04987	100516	< 1900.		UG/KG	6/24/92		Benzyl alcohol
53-NE-E1-S	92.04987	111911	< 1900.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-E1-S	92.04987	111444	< 1900.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-E1-S	92.04987	108601	< 1900.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-E1-S	92.04987	117817	< 1900.		UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-E1-S	92.04987	101553	< 1900.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-E1-S	92.04987	85687	< 1900.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-E1-S	92.04987	59507	< 1900.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-E1-S	92.04987	106478	< 1900.		UG/KG	6/24/92		4-Chloroaniline
53-NE-E1-S	92.04987	91587	< 1900.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-E1-S	92.04987	95578	< 1900.		UG/KG	6/24/92		o-Chlorophenol
53-NE-E1-S	92.04987	7005723	< 1900.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-E1-S	92.04987	218019	< 1900.		UG/KG	6/24/92		Chrysene
53-NE-E1-S	92.04987	84742	< 1900.		UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-E1-S	92.04987	117840	< 1900.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-E1-S	92.04987	53703	< 1900.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-E1-S	92.04987	132649	< 1900.		UG/KG	6/24/92		Dibenzofuran
53-NE-E1-S	92.04987	95501	< 1900.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-E1-S	92.04987	541731	< 1900.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-E1-S	92.04987	106467	< 1900.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-E1-S	92.04987	91941	< 1900.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-E1-S	92.04987	120832	< 1900.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-E1-S	92.04987	84662	< 1900.		UG/KG	6/24/92		Diethyl phthalate
53-NE-E1-S	92.04987	131113	< 1900.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-E1-S	92.04987	105679	< 1900.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-E1-S	92.04987	51285	< 1900.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-E1-S	92.04987	121142	< 1900.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-E1-S	92.04987	606202	< 1900.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-E1-S	92.04987	206440	< 1900.		UG/KG	6/24/92		Fluoranthene
53-NE-E1-S	92.04987	86737	< 1900.		UG/KG	6/24/92		Fluorene
53-NE-E1-S	92.04987	118741	< 1900.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-E1-S	92.04987	87683	< 1900.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-E1-S	92.04987	77474	< 1900.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-E1-S	92.04987	67721	< 1900.		UG/KG	6/24/92		Hexachloroethane
53-NE-E1-S	92.04987	193395	< 1900.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-E1-S	92.04987	78591	< 1900.		UG/KG	6/24/92		Isophorone
53-NE-E1-S	92.04987	534521	< 1900.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-E1-S	92.04987	91576	< 1900.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-E1-S	92.04987	95487	< 1900.		UG/KG	6/24/92		2-Methylphenol
53-NE-E1-S	92.04987	106445	< 1900.		UG/KG	6/24/92		4-Methylphenol
53-NE-E1-S	92.04987	91203	< 1900.		UG/KG	6/24/92		Naphthalene
53-NE-E1-S	92.04987	88744	< 1900.		UG/KG	6/24/92		2-Nitroaniline
53-NE-E1-S	92.04987	99092	< 1900.		UG/KG	6/24/92		3-Nitroaniline
53-NE-E1-S	92.04987	100016	< 1900.		UG/KG	6/24/92		4-Nitroaniline
53-NE-E1-S	92.04987	98953	< 1900.		UG/KG	6/24/92		Nitrobenzene
53-NE-E1-S	92.04987	88755	< 1900.		UG/KG	6/24/92		2-Nitrophenol
53-NE-E1-S	92.04987	100027	< 1900.		UG/KG	6/24/92		4-Nitrophenol
53-NE-E1-S	92.04987	621647	< 1900.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-E1-S	92.04987	62759	< 1900.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-E1-S	92.04987	86306	< 1900.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-E1-S	92.04987	87865	< 1900.		UG/KG	6/24/92		Pentachlorophenol
53-NE-E1-S	92.04987	85018	< 1900.		UG/KG	6/24/92		Phenanthrene
53-NE-E1-S	92.04987	108952	< 1900.		UG/KG	6/24/92		Phenol
53-NE-E1-S	92.04987	129000	< 1900.		UG/KG	6/24/92		Pyrene
53-NE-E1-S	92.04987	120821	< 1900.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-E1-S	92.04987	95954	< 1900.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-E1-S	92.04987	88062	< 1900.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04987

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04988 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S	92.04988	83329	< 990.		UG/KG	6/24/92		Acenaphthene
53-NE-Q-S	92.04988	208968	< 990.		UG/KG	6/24/92		Acenaphthylene
53-NE-Q-S	92.04988	62533	< 990.		UG/KG	6/24/92		Aniline
53-NE-Q-S	92.04988	120127	< 990.		UG/KG	6/24/92		Anthracene
53-NE-Q-S	92.04988	103333	< 990.		UG/KG	6/24/92		Azobenzene
53-NE-Q-S	92.04988	92875	< 990.		UG/KG	6/24/92		m-Benzidine
53-NE-Q-S	92.04988	56553	< 990.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-Q-S	92.04988	50328	< 990.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-Q-S	92.04988	205992	< 990.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-Q-S	92.04988	191242	< 990.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-Q-S	92.04988	207089	< 990.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-Q-S	92.04988	65850	< 990.		UG/KG	6/24/92		Benzoic acid
53-NE-Q-S	92.04988	100516	< 990.		UG/KG	6/24/92		Benzyl alcohol
53-NE-Q-S	92.04988	111911	< 990.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-Q-S	92.04988	111444	< 990.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-Q-S	92.04988	108601	< 990.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-Q-S	92.04988	117817	< 990.		UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-Q-S	92.04988	101553	< 990.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-Q-S	92.04988	85687	< 990.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-Q-S	92.04988	59507	< 990.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-Q-S	92.04988	106478	< 990.		UG/KG	6/24/92		4-Chloroaniline
53-NE-Q-S	92.04988	91587	< 990.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-Q-S	92.04988	95578	< 990.		UG/KG	6/24/92		o-Chlorophenol
53-NE-Q-S	92.04988	7005723	< 990.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-Q-S	92.04988	218019	< 990.		UG/KG	6/24/92		Chrysene
53-NE-Q-S	92.04988	84742	4000.	1200.	UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S	92.04988	117840	< 990.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-Q-S	92.04988	53703	< 990.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-Q-S	92.04988	132649	< 990.		UG/KG	6/24/92		Dibenzofuran
53-NE-Q-S	92.04988	95501	< 990.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-Q-S	92.04988	541731	< 990.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-Q-S	92.04988	106467	< 990.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-Q-S	92.04988	91941	< 990.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-Q-S	92.04988	120832	< 990.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-Q-S	92.04988	84662	< 990.		UG/KG	6/24/92		Diethyl phthalate
53-NE-Q-S	92.04988	131113	< 990.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-Q-S	92.04988	105679	< 990.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-Q-S	92.04988	51285	< 990.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-Q-S	92.04988	121142	< 990.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-Q-S	92.04988	606202	< 990.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-Q-S	92.04988	206440	< 990.		UG/KG	6/24/92		Fluoranthene
53-NE-Q-S	92.04988	86737	< 990.		UG/KG	6/24/92		Fluorene
53-NE-Q-S	92.04988	118741	< 990.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-Q-S	92.04988	87683	< 990.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-Q-S	92.04988	77474	< 990.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-Q-S	92.04988	67721	< 990.		UG/KG	6/24/92		Hexachloroethane
53-NE-Q-S	92.04988	193395	< 990.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-Q-S	92.04988	78591	< 990.		UG/KG	6/24/92		Isophorone
53-NE-Q-S	92.04988	534521	< 990.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-Q-S	92.04988	91576	< 990.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-Q-S	92.04988	95487	< 990.		UG/KG	6/24/92		2-Methylphenol
53-NE-Q-S	92.04988	106445	< 990.		UG/KG	6/24/92		4-Methylphenol
53-NE-Q-S	92.04988	91203	< 990.		UG/KG	6/24/92		Naphthalene
53-NE-Q-S	92.04988	88744	< 990.		UG/KG	6/24/92		2-Nitroaniline
53-NE-Q-S	92.04988	99092	< 990.		UG/KG	6/24/92		3-Nitroaniline
53-NE-Q-S	92.04988	100016	< 990.		UG/KG	6/24/92		4-Nitroaniline
53-NE-Q-S	92.04988	98953	< 990.		UG/KG	6/24/92		Nitrobenzene
53-NE-Q-S	92.04988	88755	< 990.		UG/KG	6/24/92		2-Nitrophenol
53-NE-Q-S	92.04988	100027	< 990.		UG/KG	6/24/92		4-Nitrophenol
53-NE-Q-S	92.04988	621647	< 990.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-Q-S	92.04988	62759	< 990.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-Q-S	92.04988	86306	< 990.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S	92.04988	87865	< 990.		UG/KG	6/24/92		Pentachlorophenol
53-NE-Q-S	92.04988	85018	< 990.		UG/KG	6/24/92		Phenanthrene
53-NE-Q-S	92.04988	108952	< 990.		UG/KG	6/24/92		Phenol
53-NE-Q-S	92.04988	129000	< 990.		UG/KG	6/24/92		Pyrene
53-NE-Q-S	92.04988	120821	< 990.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-Q-S	92.04988	95954	< 990.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-Q-S	92.04988	88062	< 990.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04988

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04989 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/22/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S-QA	92.04989	83329	< 940.		UG/KG	6/24/92		Acenaphthene
53-NE-Q-S-QA	92.04989	208968	< 940.		UG/KG	6/24/92		Acenaphthylene
53-NE-Q-S-QA	92.04989	62533	< 940.		UG/KG	6/24/92		Aniline
53-NE-Q-S-QA	92.04989	120127	< 940.		UG/KG	6/24/92		Anthracene
53-NE-Q-S-QA	92.04989	103333	< 940.		UG/KG	6/24/92		Azobenzene
53-NE-Q-S-QA	92.04989	92875	< 940.		UG/KG	6/24/92		m-Benzidine
53-NE-Q-S-QA	92.04989	56553	< 940.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-Q-S-QA	92.04989	50328	< 940.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-Q-S-QA	92.04989	205992	< 940.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-Q-S-QA	92.04989	191242	< 940.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-Q-S-QA	92.04989	207089	< 940.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-Q-S-QA	92.04989	65850	< 940.		UG/KG	6/24/92		Benzoic acid
53-NE-Q-S-QA	92.04989	100516	< 940.		UG/KG	6/24/92		Benzyl alcohol
53-NE-Q-S-QA	92.04989	111911	< 940.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-Q-S-QA	92.04989	111444	< 940.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-Q-S-QA	92.04989	108601	< 940.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-Q-S-QA	92.04989	117817	< 940.		UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-Q-S-QA	92.04989	101553	< 940.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-Q-S-QA	92.04989	85687	< 940.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-Q-S-QA	92.04989	59507	< 940.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-Q-S-QA	92.04989	106478	< 940.		UG/KG	6/24/92		4-Chloroaniline
53-NE-Q-S-QA	92.04989	91587	< 940.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-Q-S-QA	92.04989	95578	< 940.		UG/KG	6/24/92		o-Chlorophenol
53-NE-Q-S-QA	92.04989	7005723	< 940.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-Q-S-QA	92.04989	218019	< 940.		UG/KG	6/24/92		Chrysene
53-NE-Q-S-QA	92.04989	84742	1500.	450.	UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S-QA	92.04989	117840	< 940.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-Q-S-QA	92.04989	53703	< 940.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-Q-S-QA	92.04989	132649	< 940.		UG/KG	6/24/92		Dibenzofuran
53-NE-Q-S-QA	92.04989	95501	< 940.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-Q-S-QA	92.04989	541731	< 940.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-Q-S-QA	92.04989	106467	< 940.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-Q-S-QA	92.04989	91941	< 940.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-Q-S-QA	92.04989	120832	< 940.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-Q-S-QA	92.04989	84662	< 940.		UG/KG	6/24/92		Diethyl phthalate
53-NE-Q-S-QA	92.04989	131113	< 940.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-Q-S-QA	92.04989	105679	< 940.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-Q-S-QA	92.04989	51285	< 940.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-Q-S-QA	92.04989	121142	< 940.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-Q-S-QA	92.04989	606202	< 940.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-Q-S-QA	92.04989	206440	< 940.		UG/KG	6/24/92		Fluoranthene
53-NE-Q-S-QA	92.04989	86737	< 940.		UG/KG	6/24/92		Fluorene
53-NE-Q-S-QA	92.04989	118741	< 940.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-Q-S-QA	92.04989	87683	< 940.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-Q-S-QA	92.04989	77474	< 940.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-Q-S-QA	92.04989	67721	< 940.		UG/KG	6/24/92		Hexachloroethane
53-NE-Q-S-QA	92.04989	193395	< 940.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-Q-S-QA	92.04989	78591	< 940.		UG/KG	6/24/92		Isophorone
53-NE-Q-S-QA	92.04989	534521	< 940.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-Q-S-QA	92.04989	91576	< 940.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-Q-S-QA	92.04989	95487	< 940.		UG/KG	6/24/92		2-Methylphenol
53-NE-Q-S-QA	92.04989	106445	< 940.		UG/KG	6/24/92		4-Methylphenol
53-NE-Q-S-QA	92.04989	91203	< 940.		UG/KG	6/24/92		Naphthalene
53-NE-Q-S-QA	92.04989	88744	< 940.		UG/KG	6/24/92		2-Nitroaniline
53-NE-Q-S-QA	92.04989	99092	< 940.		UG/KG	6/24/92		3-Nitroaniline
53-NE-Q-S-QA	92.04989	100016	< 940.		UG/KG	6/24/92		4-Nitroaniline
53-NE-Q-S-QA	92.04989	98953	< 940.		UG/KG	6/24/92		Nitrobenzene
53-NE-Q-S-QA	92.04989	88755	< 940.		UG/KG	6/24/92		2-Nitrophenol
53-NE-Q-S-QA	92.04989	100027	< 940.		UG/KG	6/24/92		4-Nitrophenol
53-NE-Q-S-QA	92.04989	621647	< 940.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-Q-S-QA	92.04989	62759	< 940.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-Q-S-QA	92.04989	86306	< 940.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Q-S-QA	92.04989	87865	< 940.		UG/KG	6/24/92		Pentachlorophenol
53-NE-Q-S-QA	92.04989	85018	< 940.		UG/KG	6/24/92		Phenanthrene
53-NE-Q-S-QA	92.04989	108952	< 940.		UG/KG	6/24/92		Phenol
53-NE-Q-S-QA	92.04989	129000	< 940.		UG/KG	6/24/92		Pyrene
53-NE-Q-S-QA	92.04989	120821	< 940.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-Q-S-QA	92.04989	95954	< 940.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-Q-S-QA	92.04989	88062	< 940.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04989

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04990 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-R-S	92.04990	83329	< 970.		UG/KG	6/24/92		Acenaphthene
53-NE-R-S	92.04990	208968	< 970.		UG/KG	6/24/92		Acenaphthylene
53-NE-R-S	92.04990	62533	< 970.		UG/KG	6/24/92		Aniline
53-NE-R-S	92.04990	120127	< 970.		UG/KG	6/24/92		Anthracene
53-NE-R-S	92.04990	103333	< 970.		UG/KG	6/24/92		Azobenzene
53-NE-R-S	92.04990	92875	< 970.		UG/KG	6/24/92		m-Benzidine
53-NE-R-S	92.04990	56553	< 970.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-R-S	92.04990	50328	< 970.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-R-S	92.04990	205992	< 970.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-R-S	92.04990	191242	< 970.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-R-S	92.04990	207089	< 970.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-R-S	92.04990	65850	< 970.		UG/KG	6/24/92		Benzoic acid
53-NE-R-S	92.04990	100516	< 970.		UG/KG	6/24/92		Benzyl alcohol
53-NE-R-S	92.04990	111911	< 970.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-R-S	92.04990	111444	< 970.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-R-S	92.04990	108601	< 970.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-R-S	92.04990	117817	< 970.		UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-R-S	92.04990	101553	< 970.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-R-S	92.04990	85687	< 970.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-R-S	92.04990	59507	< 970.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-R-S	92.04990	106478	< 970.		UG/KG	6/24/92		4-Chloroaniline
53-NE-R-S	92.04990	91587	< 970.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-R-S	92.04990	95578	< 970.		UG/KG	6/24/92		o-Chlorophenol
53-NE-R-S	92.04990	7005723	< 970.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-R-S	92.04990	218019	< 970.		UG/KG	6/24/92		Chrysene
53-NE-R-S	92.04990	84742	980.	294.	UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-R-S	92.04990	117840	< 970.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-R-S	92.04990	53703	< 970.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-R-S	92.04990	132649	< 970.		UG/KG	6/24/92		Dibenzofuran
53-NE-R-S	92.04990	95501	< 970.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-R-S	92.04990	541731	< 970.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-R-S	92.04990	106467	< 970.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-R-S	92.04990	91941	< 970.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-R-S	92.04990	120832	< 970.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-R-S	92.04990	84662	< 970.		UG/KG	6/24/92		Diethyl phthalate
53-NE-R-S	92.04990	131113	< 970.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-R-S	92.04990	105679	< 970.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-R-S	92.04990	51285	< 970.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-R-S	92.04990	121142	< 970.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-R-S	92.04990	606202	< 970.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-R-S	92.04990	206440	< 970.		UG/KG	6/24/92		Fluoranthene
53-NE-R-S	92.04990	86737	< 970.		UG/KG	6/24/92		Fluorene
53-NE-R-S	92.04990	118741	< 970.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-R-S	92.04990	87683	< 970.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-R-S	92.04990	77474	< 970.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-R-S	92.04990	67721	< 970.		UG/KG	6/24/92		Hexachloroethane
53-NE-R-S	92.04990	193395	< 970.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-R-S	92.04990	78591	< 970.		UG/KG	6/24/92		Isophorone
53-NE-R-S	92.04990	534521	< 970.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-R-S	92.04990	91576	< 970.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-R-S	92.04990	95487	< 970.		UG/KG	6/24/92		2-Methylphenol
53-NE-R-S	92.04990	106445	< 970.		UG/KG	6/24/92		4-Methylphenol
53-NE-R-S	92.04990	91203	< 970.		UG/KG	6/24/92		Naphthalene
53-NE-R-S	92.04990	88744	< 970.		UG/KG	6/24/92		2-Nitroaniline
53-NE-R-S	92.04990	99092	< 970.		UG/KG	6/24/92		3-Nitroaniline
53-NE-R-S	92.04990	100016	< 970.		UG/KG	6/24/92		4-Nitroaniline
53-NE-R-S	92.04990	98953	< 970.		UG/KG	6/24/92		Nitrobenzene
53-NE-R-S	92.04990	88755	< 970.		UG/KG	6/24/92		2-Nitrophenol
53-NE-R-S	92.04990	100027	< 970.		UG/KG	6/24/92		4-Nitrophenol
53-NE-R-S	92.04990	621647	< 970.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-R-S	92.04990	62759	< 970.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-R-S	92.04990	86306	< 970.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-R-S	92.04990	87865	< 970.		UG/KG	6/24/92		Pentachlorophenol
53-NE-R-S	92.04990	85018	< 970.		UG/KG	6/24/92		Phenanthrene
53-NE-R-S	92.04990	108952	< 970.		UG/KG	6/24/92		Phenol
53-NE-R-S	92.04990	129000	< 970.		UG/KG	6/24/92		Pyrene
53-NE-R-S	92.04990	120821	< 970.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-R-S	92.04990	95954	< 970.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-R-S	92.04990	88062	< 970.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04990

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04991 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/22/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-S-S	92.04991	83329	< 980.		UG/KG	6/24/92		Acenaphthene
53-NE-S-S	92.04991	208968	< 980.		UG/KG	6/24/92		Acenaphthylene
53-NE-S-S	92.04991	62533	< 980.		UG/KG	6/24/92		Aniline
53-NE-S-S	92.04991	120127	< 980.		UG/KG	6/24/92		Anthracene
53-NE-S-S	92.04991	103333	< 980.		UG/KG	6/24/92		Azobenzene
53-NE-S-S	92.04991	92875	< 980.		UG/KG	6/24/92		m-Benzidine
53-NE-S-S	92.04991	56553	< 980.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-S-S	92.04991	50328	< 980.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-S-S	92.04991	205992	< 980.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-S-S	92.04991	191242	< 980.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-S-S	92.04991	207089	< 980.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-S-S	92.04991	65850	< 980.		UG/KG	6/24/92		Benzoic acid
53-NE-S-S	92.04991	100516	< 980.		UG/KG	6/24/92		Benzyl alcohol
53-NE-S-S	92.04991	111911	< 980.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-S-S	92.04991	111444	< 980.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-S-S	92.04991	108601	< 980.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-S-S	92.04991	117817	2000.	600.	UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-S-S	92.04991	101553	< 980.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-S-S	92.04991	85687	< 980.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-S-S	92.04991	59507	< 980.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-S-S	92.04991	106478	< 980.		UG/KG	6/24/92		4-Chloroaniline
53-NE-S-S	92.04991	91587	< 980.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-S-S	92.04991	95578	< 980.		UG/KG	6/24/92		o-Chlorophenol
53-NE-S-S	92.04991	7005723	< 980.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-S-S	92.04991	218019	< 980.		UG/KG	6/24/92		Chrysene
53-NE-S-S	92.04991	84742	1900.	570.	UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-S-S	92.04991	117840	< 980.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-S-S	92.04991	53703	< 980.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-S-S	92.04991	132649	< 980.		UG/KG	6/24/92		Dibenzofuran
53-NE-S-S	92.04991	95501	< 980.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-S-S	92.04991	541731	< 980.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-S-S	92.04991	106467	< 980.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-S-S	92.04991	91941	< 980.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-S-S	92.04991	120832	< 980.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-S-S	92.04991	84662	< 980.		UG/KG	6/24/92		Diethyl phthalate
53-NE-S-S	92.04991	131113	< 980.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-S-S	92.04991	105679	< 980.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-S-S	92.04991	51285	< 980.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-S-S	92.04991	121142	< 980.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-S-S	92.04991	606202	< 980.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-S-S	92.04991	206440	< 980.		UG/KG	6/24/92		Fluoranthene
53-NE-S-S	92.04991	86737	< 980.		UG/KG	6/24/92		Fluorene
53-NE-S-S	92.04991	118741	< 980.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-S-S	92.04991	87683	< 980.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-S-S	92.04991	77474	< 980.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-S-S	92.04991	67721	< 980.		UG/KG	6/24/92		Hexachloroethane
53-NE-S-S	92.04991	193395	< 980.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-S-S	92.04991	78591	< 980.		UG/KG	6/24/92		Isophorone
53-NE-S-S	92.04991	534521	< 980.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-S-S	92.04991	91576	< 980.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-S-S	92.04991	95487	< 980.		UG/KG	6/24/92		2-Methylphenol
53-NE-S-S	92.04991	106445	< 980.		UG/KG	6/24/92		4-Methylphenol
53-NE-S-S	92.04991	91203	< 980.		UG/KG	6/24/92		Naphthalene
53-NE-S-S	92.04991	88744	< 980.		UG/KG	6/24/92		2-Nitroaniline
53-NE-S-S	92.04991	99092	< 980.		UG/KG	6/24/92		3-Nitroaniline
53-NE-S-S	92.04991	100016	< 980.		UG/KG	6/24/92		4-Nitroaniline
53-NE-S-S	92.04991	98953	< 980.		UG/KG	6/24/92		Nitrobenzene
53-NE-S-S	92.04991	88755	< 980.		UG/KG	6/24/92		2-Nitrophenol
53-NE-S-S	92.04991	100027	< 980.		UG/KG	6/24/92		4-Nitrophenol
53-NE-S-S	92.04991	621647	< 980.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-S-S	92.04991	62759	< 980.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-S-S	92.04991	86306	< 980.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-S-S	92.04991	87865	< 980.		UG/KG	6/24/92		Pentachlorophenol
53-NE-S-S	92.04991	85018	< 980.		UG/KG	6/24/92		Phenanthrene
53-NE-S-S	92.04991	108952	< 980.		UG/KG	6/24/92		Phenol
53-NE-S-S	92.04991	129000	< 980.		UG/KG	6/24/92		Pyrene
53-NE-S-S	92.04991	120821	< 980.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-S-S	92.04991	95954	< 980.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-S-S	92.04991	88062	< 980.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04991

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04992 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 6/02/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-T-S	92.04992	83329	< 1900.		UG/KG	6/24/92	GPC CLEANED	Acenaphthene
53-NE-T-S	92.04992	208968	< 1900.		UG/KG	6/24/92	GPC CLEANED	Acenaphthylene
53-NE-T-S	92.04992	62533	< 1900.		UG/KG	6/24/92	GPC CLEANED	Aniline
53-NE-T-S	92.04992	120127	< 1900.		UG/KG	6/24/92	GPC CLEANED	Anthracene
53-NE-T-S	92.04992	103333	< 1900.		UG/KG	6/24/92	GPC CLEANED	Azobenzene
53-NE-T-S	92.04992	92875	< 1900.		UG/KG	6/24/92	GPC CLEANED	m-Benzidine
53-NE-T-S	92.04992	56553	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[a]anthracene
53-NE-T-S	92.04992	50328	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[a]pyrene
53-NE-T-S	92.04992	205992	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[b]fluoranthene
53-NE-T-S	92.04992	191242	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[g,h,i]perylene
53-NE-T-S	92.04992	207089	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzo[k]fluoranthene
53-NE-T-S	92.04992	65850	2500.	750.	UG/KG	6/24/92	GPC CLEANED	Benzoic acid
53-NE-T-S	92.04992	100516	< 1900.		UG/KG	6/24/92	GPC CLEANED	Benzyl alcohol
53-NE-T-S	92.04992	111911	< 1900.		UG/KG	6/24/92	GPC CLEANED	Bis(2-chloroethoxy)methane
53-NE-T-S	92.04992	111444	< 1900.		UG/KG	6/24/92	GPC CLEANED	Bis(2-chloroethyl)ether
53-NE-T-S	92.04992	108601	< 1900.		UG/KG	6/24/92	GPC CLEANED	Bis(2-chloroisopropyl)ether
53-NE-T-S	92.04992	117817	3400.	1020.	UG/KG	6/24/92	GPC CLEANED	Bis(2-ethylhexyl)phthalate
53-NE-T-S	92.04992	101553	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Bromophenylphenyl ether
53-NE-T-S	92.04992	85687	< 1900.		UG/KG	6/24/92	GPC CLEANED	Butyl benzyl phthalate
53-NE-T-S	92.04992	59507	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Chloro-3-methylphenol
53-NE-T-S	92.04992	106478	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Chloroaniline
53-NE-T-S	92.04992	91587	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Chloronaphthalene
53-NE-T-S	92.04992	95578	< 1900.		UG/KG	6/24/92	GPC CLEANED	o-Chlorophenol
53-NE-T-S	92.04992	7005723	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Chlorophenylphenyl ether
53-NE-T-S	92.04992	218019	< 1900.		UG/KG	6/24/92	GPC CLEANED	Chrysene
53-NE-T-S	92.04992	84742	< 1900.		UG/KG	6/24/92	GPC CLEANED	Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-T-S	92.04992	117840	< 1900.		UG/KG	6/24/92	GPC CLEANED	Di-n-octyl phthalate
53-NE-T-S	92.04992	53703	< 1900.		UG/KG	6/24/92	GPC CLEANED	Dibenzo[a,h]anthracene
53-NE-T-S	92.04992	132649	< 1900.		UG/KG	6/24/92	GPC CLEANED	Dibenzofuran
53-NE-T-S	92.04992	95501	< 1900.		UG/KG	6/24/92	GPC CLEANED	o-Dichlorobenzene (1,2)
53-NE-T-S	92.04992	541731	< 1900.		UG/KG	6/24/92	GPC CLEANED	m-Dichlorobenzene (1,3)
53-NE-T-S	92.04992	106467	< 1900.		UG/KG	6/24/92	GPC CLEANED	p-Dichlorobenzene (1,4)
53-NE-T-S	92.04992	91941	< 1900.		UG/KG	6/24/92	GPC CLEANED	3,3'-Dichlorobenzidine
53-NE-T-S	92.04992	120832	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4-Dichlorophenol
53-NE-T-S	92.04992	84662	< 1900.		UG/KG	6/24/92	GPC CLEANED	Diethyl phthalate
53-NE-T-S	92.04992	131113	< 1900.		UG/KG	6/24/92	GPC CLEANED	Dimethyl phthalate
53-NE-T-S	92.04992	105679	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4-Dimethylphenol
53-NE-T-S	92.04992	51285	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4-Dinitrophenol
53-NE-T-S	92.04992	121142	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4-Dinitrotoluene
53-NE-T-S	92.04992	606202	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,6-Dinitrotoluene
53-NE-T-S	92.04992	206440	< 1900.		UG/KG	6/24/92	GPC CLEANED	Fluoranthene
53-NE-T-S	92.04992	86737	< 1900.		UG/KG	6/24/92	GPC CLEANED	Fluorene
53-NE-T-S	92.04992	118741	< 1900.		UG/KG	6/24/92	GPC CLEANED	Hexachlorobenzene
53-NE-T-S	92.04992	87683	< 1900.		UG/KG	6/24/92	GPC CLEANED	Hexachlorobutadiene
53-NE-T-S	92.04992	77474	< 1900.		UG/KG	6/24/92	GPC CLEANED	Hexachlorocyclopentadiene
53-NE-T-S	92.04992	67721	< 1900.		UG/KG	6/24/92	GPC CLEANED	Hexachloroethane
53-NE-T-S	92.04992	193395	< 1900.		UG/KG	6/24/92	GPC CLEANED	Indeno[1,2,3-cd]pyrene
53-NE-T-S	92.04992	78591	< 1900.		UG/KG	6/24/92	GPC CLEANED	Isophorone
53-NE-T-S	92.04992	534521	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Methyl-4,6-dinitrophenol
53-NE-T-S	92.04992	91576	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Methylnaphthalene
53-NE-T-S	92.04992	95487	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Methylphenol
53-NE-T-S	92.04992	106445	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Methylphenol
53-NE-T-S	92.04992	91203	< 1900.		UG/KG	6/24/92	GPC CLEANED	Naphthalene
53-NE-T-S	92.04992	88744	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Nitroaniline
53-NE-T-S	92.04992	99092	< 1900.		UG/KG	6/24/92	GPC CLEANED	3-Nitroaniline
53-NE-T-S	92.04992	100016	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Nitroaniline
53-NE-T-S	92.04992	98953	< 1900.		UG/KG	6/24/92	GPC CLEANED	Nitrobenzene
53-NE-T-S	92.04992	88755	< 1900.		UG/KG	6/24/92	GPC CLEANED	2-Nitrophenol
53-NE-T-S	92.04992	100027	< 1900.		UG/KG	6/24/92	GPC CLEANED	4-Nitrophenol
53-NE-T-S	92.04992	621647	< 1900.		UG/KG	6/24/92	GPC CLEANED	N-Nitrosodi-n-propylamine
53-NE-T-S	92.04992	62759	< 1900.		UG/KG	6/24/92	GPC CLEANED	N-Nitrosodimethylamine
53-NE-T-S	92.04992	86306	< 1900.		UG/KG	6/24/92	GPC CLEANED	N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-T-S	92.04992	87865	< 1900.		UG/KG	6/24/92	GPC CLEANED	Pentachlorophenol
53-NE-T-S	92.04992	85018	< 1900.		UG/KG	6/24/92	GPC CLEANED	Phenanthrene
53-NE-T-S	92.04992	108952	< 1900.		UG/KG	6/24/92	GPC CLEANED	Phenol
53-NE-T-S	92.04992	129000	< 1900.		UG/KG	6/24/92	GPC CLEANED	Pyrene
53-NE-T-S	92.04992	120821	< 1900.		UG/KG	6/24/92	GPC CLEANED	1,2,4-Trichlorobenzene
53-NE-T-S	92.04992	95954	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4,5-Trichlorophenol
53-NE-T-S	92.04992	88062	< 1900.		UG/KG	6/24/92	GPC CLEANED	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04992

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04993 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-U-S	92.04993	83329	< 990.		UG/KG	6/24/92		Acenaphthene
53-NE-U-S	92.04993	208968	< 990.		UG/KG	6/24/92		Acenaphthylene
53-NE-U-S	92.04993	62533	< 990.		UG/KG	6/24/92		Aniline
53-NE-U-S	92.04993	120127	< 990.		UG/KG	6/24/92		Anthracene
53-NE-U-S	92.04993	103333	< 990.		UG/KG	6/24/92		Azobenzene
53-NE-U-S	92.04993	92875	< 990.		UG/KG	6/24/92		m-Benzidine
53-NE-U-S	92.04993	56553	< 990.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-U-S	92.04993	50328	< 990.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-U-S	92.04993	205992	< 990.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-U-S	92.04993	191242	< 990.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-U-S	92.04993	207089	< 990.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-U-S	92.04993	65850	< 990.		UG/KG	6/24/92		Benzoic acid
53-NE-U-S	92.04993	100516	< 990.		UG/KG	6/24/92		Benzyl alcohol
53-NE-U-S	92.04993	111911	< 990.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-U-S	92.04993	111444	< 990.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-U-S	92.04993	108601	< 990.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-U-S	92.04993	117817	2000.	600.	UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-U-S	92.04993	101553	< 990.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-U-S	92.04993	85687	< 990.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-U-S	92.04993	59507	< 990.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-U-S	92.04993	106478	< 990.		UG/KG	6/24/92		4-Chloroaniline
53-NE-U-S	92.04993	91587	< 990.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-U-S	92.04993	95578	< 990.		UG/KG	6/24/92		o-Chlorophenol
53-NE-U-S	92.04993	7005723	< 990.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-U-S	92.04993	218019	< 990.		UG/KG	6/24/92		Chrysene
53-NE-U-S	92.04993	84742	5300.	1590.	UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-U-S	92.04993	117840	< 990.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-U-S	92.04993	53703	< 990.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-U-S	92.04993	132649	< 990.		UG/KG	6/24/92		Dibenzofuran
53-NE-U-S	92.04993	95501	< 990.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-U-S	92.04993	541731	< 990.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-U-S	92.04993	106467	< 990.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-U-S	92.04993	91941	< 990.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-U-S	92.04993	120832	< 990.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-U-S	92.04993	84662	< 990.		UG/KG	6/24/92		Diethyl phthalate
53-NE-U-S	92.04993	131113	< 990.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-U-S	92.04993	105679	< 990.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-U-S	92.04993	51285	< 990.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-U-S	92.04993	121142	< 990.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-U-S	92.04993	606202	< 990.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-U-S	92.04993	206440	< 990.		UG/KG	6/24/92		Fluoranthene
53-NE-U-S	92.04993	86737	< 990.		UG/KG	6/24/92		Fluorene
53-NE-U-S	92.04993	118741	< 990.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-U-S	92.04993	87683	< 990.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-U-S	92.04993	77474	< 990.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-U-S	92.04993	67721	< 990.		UG/KG	6/24/92		Hexachloroethane
53-NE-U-S	92.04993	193395	< 990.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-U-S	92.04993	78591	< 990.		UG/KG	6/24/92		Isophorone
53-NE-U-S	92.04993	534521	< 990.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-U-S	92.04993	91576	< 990.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-U-S	92.04993	95487	< 990.		UG/KG	6/24/92		2-Methylphenol
53-NE-U-S	92.04993	106445	< 990.		UG/KG	6/24/92		4-Methylphenol
53-NE-U-S	92.04993	91203	< 990.		UG/KG	6/24/92		Naphthalene
53-NE-U-S	92.04993	88744	< 990.		UG/KG	6/24/92		2-Nitroaniline
53-NE-U-S	92.04993	99092	< 990.		UG/KG	6/24/92		3-Nitroaniline
53-NE-U-S	92.04993	100016	< 990.		UG/KG	6/24/92		4-Nitroaniline
53-NE-U-S	92.04993	98953	< 990.		UG/KG	6/24/92		Nitrobenzene
53-NE-U-S	92.04993	88755	< 990.		UG/KG	6/24/92		2-Nitrophenol
53-NE-U-S	92.04993	100027	< 990.		UG/KG	6/24/92		4-Nitrophenol
53-NE-U-S	92.04993	621647	< 990.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-U-S	92.04993	62759	< 990.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-U-S	92.04993	86306	< 990.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-U-S	92.04993	87865	< 990.		UG/KG	6/24/92		Pentachlorophenol
53-NE-U-S	92.04993	85018	< 990.		UG/KG	6/24/92		Phenanthrene
53-NE-U-S	92.04993	108952	< 990.		UG/KG	6/24/92		Phenol
53-NE-U-S	92.04993	129000	< 990.		UG/KG	6/24/92		Pyrene
53-NE-U-S	92.04993	120821	< 990.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-U-S	92.04993	95954	< 990.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-U-S	92.04993	88062	< 990.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04993

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04994 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-V-S	92.04994	83329	< 1900.		UG/KG	6/26/92		Acenaphthene
53-NE-V-S	92.04994	208968	< 1900.		UG/KG	6/26/92		Acenaphthylene
53-NE-V-S	92.04994	62533	< 1900.		UG/KG	6/26/92		Aniline
53-NE-V-S	92.04994	120127	< 1900.		UG/KG	6/26/92		Anthracene
53-NE-V-S	92.04994	103333	< 1900.		UG/KG	6/26/92		Azobenzene
53-NE-V-S	92.04994	92875	< 1900.		UG/KG	6/26/92		m-Benzidine
53-NE-V-S	92.04994	56553	< 1900.		UG/KG	6/26/92		Benzo[a]anthracene
53-NE-V-S	92.04994	50328	< 1900.		UG/KG	6/26/92		Benzo[a]pyrene
53-NE-V-S	92.04994	205992	< 1900.		UG/KG	6/26/92		Benzo[b]fluoranthene
53-NE-V-S	92.04994	191242	< 1900.		UG/KG	6/26/92		Benzo[g,h,i]perylene
53-NE-V-S	92.04994	207089	< 1900.		UG/KG	6/26/92		Benzo[k]fluoranthene
53-NE-V-S	92.04994	65850	< 1900.		UG/KG	6/26/92		Benzoic acid
53-NE-V-S	92.04994	100516	< 1900.		UG/KG	6/26/92		Benzyl alcohol
53-NE-V-S	92.04994	111911	< 1900.		UG/KG	6/26/92		Bis(2-chloroethoxy)methane
53-NE-V-S	92.04994	111444	< 1900.		UG/KG	6/26/92		Bis(2-chloroethyl)ether
53-NE-V-S	92.04994	108601	< 1900.		UG/KG	6/26/92		Bis(2-chloroisopropyl)ether
53-NE-V-S	92.04994	117817	< 1900.		UG/KG	6/26/92		Bis(2-ethylhexyl)phthalate
53-NE-V-S	92.04994	101553	< 1900.		UG/KG	6/26/92		4-Bromophenylphenyl ether
53-NE-V-S	92.04994	85687	< 1900.		UG/KG	6/26/92		Butyl benzyl phthalate
53-NE-V-S	92.04994	59507	< 1900.		UG/KG	6/26/92		4-Chloro-3-methylphenol
53-NE-V-S	92.04994	106478	< 1900.		UG/KG	6/26/92		4-Chloroaniline
53-NE-V-S	92.04994	91587	< 1900.		UG/KG	6/26/92		2-Chloronaphthalene
53-NE-V-S	92.04994	95578	< 1900.		UG/KG	6/26/92		o-Chlorophenol
53-NE-V-S	92.04994	7005723	< 1900.		UG/KG	6/26/92		4-Chlorophenylphenyl ether
53-NE-V-S	92.04994	218019	< 1900.		UG/KG	6/26/92		Chrysene
53-NE-V-S	92.04994	84742	2600.	780.	UG/KG	6/26/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-V-S	92.04994	117840	< 1900.		UG/KG	6/26/92		Di-n-octyl phthalate
53-NE-V-S	92.04994	53703	< 1900.		UG/KG	6/26/92		Dibenzo[a,h]anthracene
53-NE-V-S	92.04994	132649	< 1900.		UG/KG	6/26/92		Dibenzofuran
53-NE-V-S	92.04994	95501	< 1900.		UG/KG	6/26/92		o-Dichlorobenzene (1,2)
53-NE-V-S	92.04994	541731	< 1900.		UG/KG	6/26/92		m-Dichlorobenzene (1,3)
53-NE-V-S	92.04994	106467	< 1900.		UG/KG	6/26/92		p-Dichlorobenzene (1,4)
53-NE-V-S	92.04994	91941	< 1900.		UG/KG	6/26/92		3,3'-Dichlorobenzidine
53-NE-V-S	92.04994	120832	< 1900.		UG/KG	6/26/92		2,4-Dichlorophenol
53-NE-V-S	92.04994	84662	< 1900.		UG/KG	6/26/92		Diethyl phthalate
53-NE-V-S	92.04994	131113	< 1900.		UG/KG	6/26/92		Dimethyl phthalate
53-NE-V-S	92.04994	105679	< 1900.		UG/KG	6/26/92		2,4-Dimethylphenol
53-NE-V-S	92.04994	51285	< 1900.		UG/KG	6/26/92		2,4-Dinitrophenol
53-NE-V-S	92.04994	121142	< 1900.		UG/KG	6/26/92		2,4-Dinitrotoluene
53-NE-V-S	92.04994	606202	< 1900.		UG/KG	6/26/92		2,6-Dinitrotoluene
53-NE-V-S	92.04994	206440	< 1900.		UG/KG	6/26/92		Fluoranthene
53-NE-V-S	92.04994	86737	< 1900.		UG/KG	6/26/92		Fluorene
53-NE-V-S	92.04994	118741	< 1900.		UG/KG	6/26/92		Hexachlorobenzene
53-NE-V-S	92.04994	87683	< 1900.		UG/KG	6/26/92		Hexachlorobutadiene
53-NE-V-S	92.04994	77474	< 1900.		UG/KG	6/26/92		Hexachlorocyclopentadiene
53-NE-V-S	92.04994	67721	< 1900.		UG/KG	6/26/92		Hexachloroethane
53-NE-V-S	92.04994	193395	< 1900.		UG/KG	6/26/92		Indeno[1,2,3-cd]pyrene
53-NE-V-S	92.04994	78591	< 1900.		UG/KG	6/26/92		Isophorone
53-NE-V-S	92.04994	534521	< 1900.		UG/KG	6/26/92		2-Methyl-4,6-dinitrophenol
53-NE-V-S	92.04994	91576	< 1900.		UG/KG	6/26/92		2-Methylnaphthalene
53-NE-V-S	92.04994	95487	< 1900.		UG/KG	6/26/92		2-Methylphenol
53-NE-V-S	92.04994	106445	< 1900.		UG/KG	6/26/92		4-Methylphenol
53-NE-V-S	92.04994	91203	< 1900.		UG/KG	6/26/92		Naphthalene
53-NE-V-S	92.04994	88744	< 1900.		UG/KG	6/26/92		2-Nitroaniline
53-NE-V-S	92.04994	99092	< 1900.		UG/KG	6/26/92		3-Nitroaniline
53-NE-V-S	92.04994	100016	< 1900.		UG/KG	6/26/92		4-Nitroaniline
53-NE-V-S	92.04994	98953	< 1900.		UG/KG	6/26/92		Nitrobenzene
53-NE-V-S	92.04994	88755	< 1900.		UG/KG	6/26/92		2-Nitrophenol
53-NE-V-S	92.04994	100027	< 1900.		UG/KG	6/26/92		4-Nitrophenol
53-NE-V-S	92.04994	621647	< 1900.		UG/KG	6/26/92		N-Nitrosodi-n-propylamine
53-NE-V-S	92.04994	62759	< 1900.		UG/KG	6/26/92		N-Nitrosodimethylamine
53-NE-V-S	92.04994	86306	< 1900.		UG/KG	6/26/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-V-S	92.04994	87865	< 1900.		UG/KG	6/26/92		Pentachlorophenol
53-NE-V-S	92.04994	85018	< 1900.		UG/KG	6/26/92		Phenanthrene
53-NE-V-S	92.04994	108952	< 1900.		UG/KG	6/26/92		Phenol
53-NE-V-S	92.04994	129000	< 1900.		UG/KG	6/26/92		Pyrene
53-NE-V-S	92.04994	120821	< 1900.		UG/KG	6/26/92		1,2,4-Trichlorobenzene
53-NE-V-S	92.04994	95954	< 1900.		UG/KG	6/26/92		2,4,5-Trichlorophenol
53-NE-V-S	92.04994	88062	< 1900.		UG/KG	6/26/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04994

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04995 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S	92.04995	83329	< 990.		UG/KG	6/26/92		Acenaphthene
53-NE-W-S	92.04995	208968	< 990.		UG/KG	6/26/92		Acenaphthylene
53-NE-W-S	92.04995	62533	< 990.		UG/KG	6/26/92		Aniline
53-NE-W-S	92.04995	120127	< 990.		UG/KG	6/26/92		Anthracene
53-NE-W-S	92.04995	103333	< 990.		UG/KG	6/26/92		Azobenzene
53-NE-W-S	92.04995	92875	< 990.		UG/KG	6/26/92		m-Benzidine
53-NE-W-S	92.04995	56553	< 990.		UG/KG	6/26/92		Benzo[a]anthracene
53-NE-W-S	92.04995	50328	< 990.		UG/KG	6/26/92		Benzo[a]pyrene
53-NE-W-S	92.04995	205992	< 990.		UG/KG	6/26/92		Benzo[b]fluoranthene
53-NE-W-S	92.04995	191242	< 990.		UG/KG	6/26/92		Benzo[g,h,i]perylene
53-NE-W-S	92.04995	207089	< 990.		UG/KG	6/26/92		Benzo[k]fluoranthene
53-NE-W-S	92.04995	65850	< 990.		UG/KG	6/26/92		Benzoic acid
53-NE-W-S	92.04995	100516	< 990.		UG/KG	6/26/92		Benzyl alcohol
53-NE-W-S	92.04995	111911	< 990.		UG/KG	6/26/92		Bis(2-chloroethoxy)methane
53-NE-W-S	92.04995	111444	< 990.		UG/KG	6/26/92		Bis(2-chloroethyl)ether
53-NE-W-S	92.04995	108601	< 990.		UG/KG	6/26/92		Bis(2-chloroisopropyl)ether
53-NE-W-S	92.04995	117817	< 990.		UG/KG	6/26/92		Bis(2-ethylhexyl)phthalate
53-NE-W-S	92.04995	101553	< 990.		UG/KG	6/26/92		4-Bromophenylphenyl ether
53-NE-W-S	92.04995	85687	< 990.		UG/KG	6/26/92		Butyl benzyl phthalate
53-NE-W-S	92.04995	59507	< 990.		UG/KG	6/26/92		4-Chloro-3-methylphenol
53-NE-W-S	92.04995	106478	< 990.		UG/KG	6/26/92		4-Chloroaniline
53-NE-W-S	92.04995	91587	< 990.		UG/KG	6/26/92		2-Chloronaphthalene
53-NE-W-S	92.04995	95578	< 990.		UG/KG	6/26/92		o-Chlorophenol
53-NE-W-S	92.04995	7005723	< 990.		UG/KG	6/26/92		4-Chlorophenylphenyl ether
53-NE-W-S	92.04995	218019	< 990.		UG/KG	6/26/92		Chrysene
53-NE-W-S	92.04995	84742	< 990.		UG/KG	6/26/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S	92.04995	117840	< 990.		UG/KG	6/26/92		Di-n-octyl phthalate
53-NE-W-S	92.04995	53703	< 990.		UG/KG	6/26/92		Dibenzo[a,h]anthracene
53-NE-W-S	92.04995	132649	< 990.		UG/KG	6/26/92		Dibenzofuran
53-NE-W-S	92.04995	95501	< 990.		UG/KG	6/26/92		o-Dichlorobenzene (1,2)
53-NE-W-S	92.04995	541731	< 990.		UG/KG	6/26/92		m-Dichlorobenzene (1,3)
53-NE-W-S	92.04995	106467	< 990.		UG/KG	6/26/92		p-Dichlorobenzene (1,4)
53-NE-W-S	92.04995	91941	< 990.		UG/KG	6/26/92		3,3'-Dichlorobenzidine
53-NE-W-S	92.04995	120832	< 990.		UG/KG	6/26/92		2,4-Dichlorophenol
53-NE-W-S	92.04995	84662	< 990.		UG/KG	6/26/92		Diethyl phthalate
53-NE-W-S	92.04995	131113	< 990.		UG/KG	6/26/92		Dimethyl phthalate
53-NE-W-S	92.04995	105679	< 990.		UG/KG	6/26/92		2,4-Dimethylphenol
53-NE-W-S	92.04995	51285	< 990.		UG/KG	6/26/92		2,4-Dinitrophenol
53-NE-W-S	92.04995	121142	< 990.		UG/KG	6/26/92		2,4-Dinitrotoluene
53-NE-W-S	92.04995	606202	< 990.		UG/KG	6/26/92		2,6-Dinitrotoluene
53-NE-W-S	92.04995	206440	< 990.		UG/KG	6/26/92		Fluoranthene
53-NE-W-S	92.04995	86737	< 990.		UG/KG	6/26/92		Fluorene
53-NE-W-S	92.04995	118741	< 990.		UG/KG	6/26/92		Hexachlorobenzene
53-NE-W-S	92.04995	87683	< 990.		UG/KG	6/26/92		Hexachlorobutadiene
53-NE-W-S	92.04995	77474	< 990.		UG/KG	6/26/92		Hexachlorocyclopentadiene
53-NE-W-S	92.04995	67721	< 990.		UG/KG	6/26/92		Hexachloroethane
53-NE-W-S	92.04995	193395	< 990.		UG/KG	6/26/92		Indeno[1,2,3-cd]pyrene
53-NE-W-S	92.04995	78591	< 990.		UG/KG	6/26/92		Isophorone
53-NE-W-S	92.04995	534521	< 990.		UG/KG	6/26/92		2-Methyl-4,6-dinitrophenol
53-NE-W-S	92.04995	91576	< 990.		UG/KG	6/26/92		2-Methylnaphthalene
53-NE-W-S	92.04995	95487	< 990.		UG/KG	6/26/92		2-Methylphenol
53-NE-W-S	92.04995	106445	< 990.		UG/KG	6/26/92		4-Methylphenol
53-NE-W-S	92.04995	91203	< 990.		UG/KG	6/26/92		Naphthalene
53-NE-W-S	92.04995	88744	< 990.		UG/KG	6/26/92		2-Nitroaniline
53-NE-W-S	92.04995	99092	< 990.		UG/KG	6/26/92		3-Nitroaniline
53-NE-W-S	92.04995	100016	< 990.		UG/KG	6/26/92		4-Nitroaniline
53-NE-W-S	92.04995	98953	< 990.		UG/KG	6/26/92		Nitrobenzene
53-NE-W-S	92.04995	88755	< 990.		UG/KG	6/26/92		2-Nitrophenol
53-NE-W-S	92.04995	100027	< 990.		UG/KG	6/26/92		4-Nitrophenol
53-NE-W-S	92.04995	621647	< 990.		UG/KG	6/26/92		N-Nitrosodi-n-propylamine
53-NE-W-S	92.04995	62759	< 990.		UG/KG	6/26/92		N-Nitrosodimethylamine
53-NE-W-S	92.04995	86306	< 990.		UG/KG	6/26/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S	92.04995	87865	< 990.		UG/KG	6/26/92		Pentachlorophenol
53-NE-W-S	92.04995	85018	< 990.		UG/KG	6/26/92		Phenanthrene
53-NE-W-S	92.04995	108952	< 990.		UG/KG	6/26/92		Phenol
53-NE-W-S	92.04995	129000	< 990.		UG/KG	6/26/92		Pyrene
53-NE-W-S	92.04995	120821	< 990.		UG/KG	6/26/92		1,2,4-Trichlorobenzene
53-NE-W-S	92.04995	95954	< 990.		UG/KG	6/26/92		2,4,5-Trichlorophenol
53-NE-W-S	92.04995	88062	< 990.		UG/KG	6/26/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04995

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04996 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/25/92 Date Analyzed: 5/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S-QA	92.04996	83329	< 950.		UG/KG	6/24/92		Acenaphthene
53-NE-W-S-QA	92.04996	208968	< 950.		UG/KG	6/24/92		Acenaphthylene
53-NE-W-S-QA	92.04996	62533	< 950.		UG/KG	6/24/92		Aniline
53-NE-W-S-QA	92.04996	120127	< 950.		UG/KG	6/24/92		Anthracene
53-NE-W-S-QA	92.04996	103333	< 950.		UG/KG	6/24/92		Azobenzene
53-NE-W-S-QA	92.04996	92875	< 950.		UG/KG	6/24/92		m-Benzidine
53-NE-W-S-QA	92.04996	56553	< 950.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-W-S-QA	92.04996	50328	< 950.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-W-S-QA	92.04996	205992	< 950.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-W-S-QA	92.04996	191242	< 950.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-W-S-QA	92.04996	207089	< 950.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-W-S-QA	92.04996	65850	< 950.		UG/KG	6/24/92		Benzoic acid
53-NE-W-S-QA	92.04996	100516	< 950.		UG/KG	6/24/92		Benzyl alcohol
53-NE-W-S-QA	92.04996	111911	< 950.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-W-S-QA	92.04996	111444	< 950.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-W-S-QA	92.04996	108601	< 950.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-W-S-QA	92.04996	117817	< 950.		UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-W-S-QA	92.04996	101553	< 950.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-W-S-QA	92.04996	85687	< 950.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-W-S-QA	92.04996	59507	< 950.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-W-S-QA	92.04996	106478	< 950.		UG/KG	6/24/92		4-Chloroaniline
53-NE-W-S-QA	92.04996	91587	< 950.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-W-S-QA	92.04996	95578	< 950.		UG/KG	6/24/92		o-Chlorophenol
53-NE-W-S-QA	92.04996	7005723	< 950.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-W-S-QA	92.04996	218019	< 950.		UG/KG	6/24/92		Chrysene
53-NE-W-S-QA	92.04996	84742	< 950.		UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S-QA	92.04996	117840	< 950.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-W-S-QA	92.04996	53703	< 950.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-W-S-QA	92.04996	132649	< 950.		UG/KG	6/24/92		Dibenzofuran
53-NE-W-S-QA	92.04996	95501	< 950.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-W-S-QA	92.04996	541731	< 950.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-W-S-QA	92.04996	106467	< 950.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-W-S-QA	92.04996	91941	< 950.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-W-S-QA	92.04996	120832	< 950.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-W-S-QA	92.04996	84662	< 950.		UG/KG	6/24/92		Diethyl phthalate
53-NE-W-S-QA	92.04996	131113	< 950.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-W-S-QA	92.04996	105679	< 950.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-W-S-QA	92.04996	51285	< 950.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-W-S-QA	92.04996	121142	< 950.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-W-S-QA	92.04996	606202	< 950.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-W-S-QA	92.04996	206440	< 950.		UG/KG	6/24/92		Fluoranthene
53-NE-W-S-QA	92.04996	86737	< 950.		UG/KG	6/24/92		Fluorene
53-NE-W-S-QA	92.04996	118741	< 950.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-W-S-QA	92.04996	87683	< 950.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-W-S-QA	92.04996	77474	< 950.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-W-S-QA	92.04996	67721	< 950.		UG/KG	6/24/92		Hexachloroethane
53-NE-W-S-QA	92.04996	193395	< 950.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-W-S-QA	92.04996	78591	< 950.		UG/KG	6/24/92		Isophorone
53-NE-W-S-QA	92.04996	534521	< 950.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-W-S-QA	92.04996	91576	< 950.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-W-S-QA	92.04996	95487	< 950.		UG/KG	6/24/92		2-Methylphenol
53-NE-W-S-QA	92.04996	106445	< 950.		UG/KG	6/24/92		4-Methylphenol
53-NE-W-S-QA	92.04996	91203	< 950.		UG/KG	6/24/92		Naphthalene
53-NE-W-S-QA	92.04996	88744	< 950.		UG/KG	6/24/92		2-Nitroaniline
53-NE-W-S-QA	92.04996	99092	< 950.		UG/KG	6/24/92		3-Nitroaniline
53-NE-W-S-QA	92.04996	100016	< 950.		UG/KG	6/24/92		4-Nitroaniline
53-NE-W-S-QA	92.04996	98953	< 950.		UG/KG	6/24/92		Nitrobenzene
53-NE-W-S-QA	92.04996	88755	< 950.		UG/KG	6/24/92		2-Nitrophenol
53-NE-W-S-QA	92.04996	100027	< 950.		UG/KG	6/24/92		4-Nitrophenol
53-NE-W-S-QA	92.04996	621647	< 950.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-W-S-QA	92.04996	62759	< 950.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-W-S-QA	92.04996	86306	< 950.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S-QA	92.04996	87865	< 950.		UG/KG	6/24/92		Pentachlorophenol
53-NE-W-S-QA	92.04996	85018	< 950.		UG/KG	6/24/92		Phenanthrene
53-NE-W-S-QA	92.04996	108952	< 950.		UG/KG	6/24/92		Phenol
53-NE-W-S-QA	92.04996	129000	< 950.		UG/KG	6/24/92		Pyrene
53-NE-W-S-QA	92.04996	120821	< 950.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-W-S-QA	92.04996	95954	< 950.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-W-S-QA	92.04996	88062	< 950.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04996

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04997 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/25/92 Date Analyzed: 5/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-X-S	92.04997	83329	< 1900.		UG/KG	6/24/92		Acenaphthene
53-NE-X-S	92.04997	208968	< 1900.		UG/KG	6/24/92		Acenaphthylene
53-NE-X-S	92.04997	62533	< 1900.		UG/KG	6/24/92		Aniline
53-NE-X-S	92.04997	120127	< 1900.		UG/KG	6/24/92		Anthracene
53-NE-X-S	92.04997	103333	< 1900.		UG/KG	6/24/92		Azobenzene
53-NE-X-S	92.04997	92875	< 1900.		UG/KG	6/24/92		m-Benzidine
53-NE-X-S	92.04997	56553	< 1900.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-X-S	92.04997	50328	< 1900.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-X-S	92.04997	205992	< 1900.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-X-S	92.04997	191242	< 1900.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-X-S	92.04997	207089	< 1900.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-X-S	92.04997	65850	< 1900.		UG/KG	6/24/92		Benzoic acid
53-NE-X-S	92.04997	100516	< 1900.		UG/KG	6/24/92		Benzyl alcohol
53-NE-X-S	92.04997	111911	< 1900.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-X-S	92.04997	111444	< 1900.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-X-S	92.04997	108601	< 1900.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-X-S	92.04997	117817	< 1900.		UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-X-S	92.04997	101553	< 1900.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-X-S	92.04997	85687	< 1900.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-X-S	92.04997	59507	< 1900.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-X-S	92.04997	106478	< 1900.		UG/KG	6/24/92		4-Chloroaniline
53-NE-X-S	92.04997	91587	< 1900.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-X-S	92.04997	95578	< 1900.		UG/KG	6/24/92		o-Chlorophenol
53-NE-X-S	92.04997	7005723	< 1900.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-X-S	92.04997	218019	< 1900.		UG/KG	6/24/92		Chrysene
53-NE-X-S	92.04997	84742	< 1900.		UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-X-S	92.04997	117840	< 1900.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-X-S	92.04997	53703	< 1900.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-X-S	92.04997	132649	< 1900.		UG/KG	6/24/92		Dibenzofuran
53-NE-X-S	92.04997	95501	< 1900.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-X-S	92.04997	541731	< 1900.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-X-S	92.04997	106467	< 1900.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-X-S	92.04997	91941	< 1900.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-X-S	92.04997	120832	< 1900.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-X-S	92.04997	84662	< 1900.		UG/KG	6/24/92		Diethyl phthalate
53-NE-X-S	92.04997	131113	< 1900.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-X-S	92.04997	105679	< 1900.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-X-S	92.04997	51285	< 1900.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-X-S	92.04997	121142	< 1900.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-X-S	92.04997	606202	< 1900.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-X-S	92.04997	206440	< 1900.		UG/KG	6/24/92		Fluoranthene
53-NE-X-S	92.04997	86737	< 1900.		UG/KG	6/24/92		Fluorene
53-NE-X-S	92.04997	118741	< 1900.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-X-S	92.04997	87683	< 1900.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-X-S	92.04997	77474	< 1900.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-X-S	92.04997	67721	< 1900.		UG/KG	6/24/92		Hexachloroethane
53-NE-X-S	92.04997	193395	< 1900.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-X-S	92.04997	78591	< 1900.		UG/KG	6/24/92		Isophorone
53-NE-X-S	92.04997	534521	< 1900.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-X-S	92.04997	91576	< 1900.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-X-S	92.04997	95487	< 1900.		UG/KG	6/24/92		2-Methylphenol
53-NE-X-S	92.04997	106445	< 1900.		UG/KG	6/24/92		4-Methylphenol
53-NE-X-S	92.04997	91203	< 1900.		UG/KG	6/24/92		Naphthalene
53-NE-X-S	92.04997	88744	< 1900.		UG/KG	6/24/92		2-Nitroaniline
53-NE-X-S	92.04997	99092	< 1900.		UG/KG	6/24/92		3-Nitroaniline
53-NE-X-S	92.04997	100016	< 1900.		UG/KG	6/24/92		4-Nitroaniline
53-NE-X-S	92.04997	98953	< 1900.		UG/KG	6/24/92		Nitrobenzene
53-NE-X-S	92.04997	88755	< 1900.		UG/KG	6/24/92		2-Nitrophenol
53-NE-X-S	92.04997	100027	< 1900.		UG/KG	6/24/92		4-Nitrophenol
53-NE-X-S	92.04997	621647	< 1900.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-X-S	92.04997	62759	< 1900.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-X-S	92.04997	86306	< 1900.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-X-S	92.04997	87865	< 1900.		UG/KG	6/24/92		Pentachlorophenol
53-NE-X-S	92.04997	85018	< 1900.		UG/KG	6/24/92		Phenanthrene
53-NE-X-S	92.04997	108952	< 1900.		UG/KG	6/24/92		Phenol
53-NE-X-S	92.04997	129000	< 1900.		UG/KG	6/24/92		Pyrene
53-NE-X-S	92.04997	120821	< 1900.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-X-S	92.04997	95954	< 1900.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-X-S	92.04997	88062	< 1900.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04997

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04998 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/25/92 Date Analyzed: 6/18/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-S	92.04998	83329	< 960.		UG/KG	6/24/92		Acenaphthene
53-NE-Y-S	92.04998	208968	< 960.		UG/KG	6/24/92		Acenaphthylene
53-NE-Y-S	92.04998	62533	< 960.		UG/KG	6/24/92		Aniline
53-NE-Y-S	92.04998	120127	< 960.		UG/KG	6/24/92		Anthracene
53-NE-Y-S	92.04998	103333	< 960.		UG/KG	6/24/92		Azobenzene
53-NE-Y-S	92.04998	92875	< 960.		UG/KG	6/24/92		m-Benzidine
53-NE-Y-S	92.04998	56553	< 960.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-Y-S	92.04998	50328	< 960.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-Y-S	92.04998	205992	< 960.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-Y-S	92.04998	191242	< 960.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-Y-S	92.04998	207089	< 960.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-Y-S	92.04998	65850	< 960.		UG/KG	6/24/92		Benzoic acid
53-NE-Y-S	92.04998	100516	< 960.		UG/KG	6/24/92		Benzyl alcohol
53-NE-Y-S	92.04998	111911	< 960.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-Y-S	92.04998	111444	< 960.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-Y-S	92.04998	108601	< 960.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-Y-S	92.04998	117817	< 960.		UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-Y-S	92.04998	101553	< 960.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-Y-S	92.04998	85687	< 960.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-Y-S	92.04998	59507	< 960.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-Y-S	92.04998	106478	< 960.		UG/KG	6/24/92		4-Chloroaniline
53-NE-Y-S	92.04998	91587	< 960.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-Y-S	92.04998	95578	< 960.		UG/KG	6/24/92		o-Chlorophenol
53-NE-Y-S	92.04998	7005723	< 960.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-Y-S	92.04998	218019	< 960.		UG/KG	6/24/92		Chrysene
53-NE-Y-S	92.04998	84742	< 960.		UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-S	92.04998	117840	< 960.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-Y-S	92.04998	53703	< 960.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-Y-S	92.04998	132649	< 960.		UG/KG	6/24/92		Dibenzofuran
53-NE-Y-S	92.04998	95501	< 960.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-Y-S	92.04998	541731	< 960.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-Y-S	92.04998	106467	< 960.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-Y-S	92.04998	91941	< 960.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-Y-S	92.04998	120832	< 960.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-Y-S	92.04998	84662	< 960.		UG/KG	6/24/92		Diethyl phthalate
53-NE-Y-S	92.04998	131113	< 960.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-Y-S	92.04998	105679	< 960.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-Y-S	92.04998	51285	< 960.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-Y-S	92.04998	121142	< 960.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-Y-S	92.04998	606202	< 960.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-Y-S	92.04998	206440	< 960.		UG/KG	6/24/92		Fluoranthene
53-NE-Y-S	92.04998	86737	< 960.		UG/KG	6/24/92		Fluorene
53-NE-Y-S	92.04998	118741	< 960.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-Y-S	92.04998	87683	< 960.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-Y-S	92.04998	77474	< 960.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-Y-S	92.04998	67721	< 960.		UG/KG	6/24/92		Hexachloroethane
53-NE-Y-S	92.04998	193395	< 960.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-Y-S	92.04998	78591	< 960.		UG/KG	6/24/92		Isophorone
53-NE-Y-S	92.04998	534521	< 960.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-Y-S	92.04998	91576	< 960.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-Y-S	92.04998	95487	< 960.		UG/KG	6/24/92		2-Methylphenol
53-NE-Y-S	92.04998	106445	< 960.		UG/KG	6/24/92		4-Methylphenol
53-NE-Y-S	92.04998	91203	< 960.		UG/KG	6/24/92		Naphthalene
53-NE-Y-S	92.04998	88744	< 960.		UG/KG	6/24/92		2-Nitroaniline
53-NE-Y-S	92.04998	99092	< 960.		UG/KG	6/24/92		3-Nitroaniline
53-NE-Y-S	92.04998	100016	< 960.		UG/KG	6/24/92		4-Nitroaniline
53-NE-Y-S	92.04998	98953	< 960.		UG/KG	6/24/92		Nitrobenzene
53-NE-Y-S	92.04998	88755	< 960.		UG/KG	6/24/92		2-Nitrophenol
53-NE-Y-S	92.04998	100027	< 960.		UG/KG	6/24/92		4-Nitrophenol
53-NE-Y-S	92.04998	621647	< 960.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-Y-S	92.04998	62759	< 960.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-Y-S	92.04998	86306	< 960.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-S	92.04998	87865	< 960.		UG/KG	6/24/92		Pentachlorophenol
53-NE-Y-S	92.04998	85018	< 960.		UG/KG	6/24/92		Phenanthrene
53-NE-Y-S	92.04998	108952	< 960.		UG/KG	6/24/92		Phenol
53-NE-Y-S	92.04998	129000	< 960.		UG/KG	6/24/92		Pyrene
53-NE-Y-S	92.04998	120821	< 960.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-Y-S	92.04998	95954	< 960.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-Y-S	92.04998	88062	< 960.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04998

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04999 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/25/92 Date Analyzed: 5/21/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Z-S	92.04999	83329	< 1900.		UG/KG	6/24/92		Acenaphthene
53-NE-Z-S	92.04999	208968	< 1900.		UG/KG	6/24/92		Acenaphthylene
53-NE-Z-S	92.04999	62533	< 1900.		UG/KG	6/24/92		Aniline
53-NE-Z-S	92.04999	120127	< 1900.		UG/KG	6/24/92		Anthracene
53-NE-Z-S	92.04999	103333	< 1900.		UG/KG	6/24/92		Azobenzene
53-NE-Z-S	92.04999	92875	< 1900.		UG/KG	6/24/92		m-Benzidine
53-NE-Z-S	92.04999	56553	< 1900.		UG/KG	6/24/92		Benzo[a]anthracene
53-NE-Z-S	92.04999	50328	< 1900.		UG/KG	6/24/92		Benzo[a]pyrene
53-NE-Z-S	92.04999	205992	< 1900.		UG/KG	6/24/92		Benzo[b]fluoranthene
53-NE-Z-S	92.04999	191242	< 1900.		UG/KG	6/24/92		Benzo[g,h,i]perylene
53-NE-Z-S	92.04999	207089	< 1900.		UG/KG	6/24/92		Benzo[k]fluoranthene
53-NE-Z-S	92.04999	65850	< 1900.		UG/KG	6/24/92		Benzoic acid
53-NE-Z-S	92.04999	100516	< 1900.		UG/KG	6/24/92		Benzyl alcohol
53-NE-Z-S	92.04999	111911	< 1900.		UG/KG	6/24/92		Bis(2-chloroethoxy)methane
53-NE-Z-S	92.04999	111444	< 1900.		UG/KG	6/24/92		Bis(2-chloroethyl)ether
53-NE-Z-S	92.04999	108601	< 1900.		UG/KG	6/24/92		Bis(2-chloroisopropyl)ether
53-NE-Z-S	92.04999	117817	< 1900.		UG/KG	6/24/92		Bis(2-ethylhexyl)phthalate
53-NE-Z-S	92.04999	101553	< 1900.		UG/KG	6/24/92		4-Bromophenylphenyl ether
53-NE-Z-S	92.04999	85687	< 1900.		UG/KG	6/24/92		Butyl benzyl phthalate
53-NE-Z-S	92.04999	59507	< 1900.		UG/KG	6/24/92		4-Chloro-3-methylphenol
53-NE-Z-S	92.04999	106478	< 1900.		UG/KG	6/24/92		4-Chloroaniline
53-NE-Z-S	92.04999	91587	< 1900.		UG/KG	6/24/92		2-Chloronaphthalene
53-NE-Z-S	92.04999	95578	< 1900.		UG/KG	6/24/92		o-Chlorophenol
53-NE-Z-S	92.04999	7005723	< 1900.		UG/KG	6/24/92		4-Chlorophenylphenyl ether
53-NE-Z-S	92.04999	218019	< 1900.		UG/KG	6/24/92		Chrysene
53-NE-Z-S	92.04999	84742	< 1900.		UG/KG	6/24/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Z-S	92.04999	117840	< 1900.		UG/KG	6/24/92		Di-n-octyl phthalate
53-NE-Z-S	92.04999	53703	< 1900.		UG/KG	6/24/92		Dibenzo[a,h]anthracene
53-NE-Z-S	92.04999	132649	< 1900.		UG/KG	6/24/92		Dibenzofuran
53-NE-Z-S	92.04999	95501	< 1900.		UG/KG	6/24/92		o-Dichlorobenzene (1,2)
53-NE-Z-S	92.04999	541731	< 1900.		UG/KG	6/24/92		m-Dichlorobenzene (1,3)
53-NE-Z-S	92.04999	106467	< 1900.		UG/KG	6/24/92		p-Dichlorobenzene (1,4)
53-NE-Z-S	92.04999	91941	< 1900.		UG/KG	6/24/92		3,3'-Dichlorobenzidine
53-NE-Z-S	92.04999	120832	< 1900.		UG/KG	6/24/92		2,4-Dichlorophenol
53-NE-Z-S	92.04999	84662	< 1900.		UG/KG	6/24/92		Diethyl phthalate
53-NE-Z-S	92.04999	131113	< 1900.		UG/KG	6/24/92		Dimethyl phthalate
53-NE-Z-S	92.04999	105679	< 1900.		UG/KG	6/24/92		2,4-Dimethylphenol
53-NE-Z-S	92.04999	51285	< 1900.		UG/KG	6/24/92		2,4-Dinitrophenol
53-NE-Z-S	92.04999	121142	< 1900.		UG/KG	6/24/92		2,4-Dinitrotoluene
53-NE-Z-S	92.04999	606202	< 1900.		UG/KG	6/24/92		2,6-Dinitrotoluene
53-NE-Z-S	92.04999	206440	< 1900.		UG/KG	6/24/92		Fluoranthene
53-NE-Z-S	92.04999	86737	< 1900.		UG/KG	6/24/92		Fluorene
53-NE-Z-S	92.04999	118741	< 1900.		UG/KG	6/24/92		Hexachlorobenzene
53-NE-Z-S	92.04999	87683	< 1900.		UG/KG	6/24/92		Hexachlorobutadiene
53-NE-Z-S	92.04999	77474	< 1900.		UG/KG	6/24/92		Hexachlorocyclopentadiene
53-NE-Z-S	92.04999	67721	< 1900.		UG/KG	6/24/92		Hexachloroethane
53-NE-Z-S	92.04999	193395	< 1900.		UG/KG	6/24/92		Indeno[1,2,3-cd]pyrene
53-NE-Z-S	92.04999	78591	< 1900.		UG/KG	6/24/92		Isophorone
53-NE-Z-S	92.04999	534521	< 1900.		UG/KG	6/24/92		2-Methyl-4,6-dinitrophenol
53-NE-Z-S	92.04999	91576	< 1900.		UG/KG	6/24/92		2-Methylnaphthalene
53-NE-Z-S	92.04999	95487	< 1900.		UG/KG	6/24/92		2-Methylphenol
53-NE-Z-S	92.04999	106445	< 1900.		UG/KG	6/24/92		4-Methylphenol
53-NE-Z-S	92.04999	91203	< 1900.		UG/KG	6/24/92		Naphthalene
53-NE-Z-S	92.04999	88744	< 1900.		UG/KG	6/24/92		2-Nitroaniline
53-NE-Z-S	92.04999	99092	< 1900.		UG/KG	6/24/92		3-Nitroaniline
53-NE-Z-S	92.04999	100016	< 1900.		UG/KG	6/24/92		4-Nitroaniline
53-NE-Z-S	92.04999	98953	< 1900.		UG/KG	6/24/92		Nitrobenzene
53-NE-Z-S	92.04999	88755	< 1900.		UG/KG	6/24/92		2-Nitrophenol
53-NE-Z-S	92.04999	100027	< 1900.		UG/KG	6/24/92		4-Nitrophenol
53-NE-Z-S	92.04999	621647	< 1900.		UG/KG	6/24/92		N-Nitrosodi-n-propylamine
53-NE-Z-S	92.04999	62759	< 1900.		UG/KG	6/24/92		N-Nitrosodimethylamine
53-NE-Z-S	92.04999	86306	< 1900.		UG/KG	6/24/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Z-S	92.04999	87865	< 1900.		UG/KG	6/24/92		Pentachlorophenol
53-NE-Z-S	92.04999	85018	< 1900.		UG/KG	6/24/92		Phenanthrene
53-NE-Z-S	92.04999	108952	< 1900.		UG/KG	6/24/92		Phenol
53-NE-Z-S	92.04999	129000	< 1900.		UG/KG	6/24/92		Pyrene
53-NE-Z-S	92.04999	120821	< 1900.		UG/KG	6/24/92		1,2,4-Trichlorobenzene
53-NE-Z-S	92.04999	95954	< 1900.		UG/KG	6/24/92		2,4,5-Trichlorophenol
53-NE-Z-S	92.04999	88062	< 1900.		UG/KG	6/24/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04999

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 26-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 273

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.05115 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/24/92 Date Analyzed: 5/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05115	83329	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Acenaphthene
00.20227	92.05115	208968	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Acenaphthylene
00.20227	92.05115	62533	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Aniline
00.20227	92.05115	120127	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Anthracene
00.20227	92.05115	103333	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Azobenzene
00.20227	92.05115	92875	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	m-Benzidine
00.20227	92.05115	56553	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[a]anthracene
00.20227	92.05115	50328	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[a]pyrene
00.20227	92.05115	205992	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[b]fluoranthene
00.20227	92.05115	191242	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20227	92.05115	207089	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20227	92.05115	65850	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzoic acid
00.20227	92.05115	100516	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzyl alcohol
00.20227	92.05115	111911	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20227	92.05115	111444	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20227	92.05115	108601	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20227	92.05115	117817	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20227	92.05115	101553	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20227	92.05115	85687	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Butyl benzyl phthalate
00.20227	92.05115	59507	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20227	92.05115	106478	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Chloroaniline

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05115	91587	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Chloronaphthalene
00.20227	92.05115	95578	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	o-Chlorophenol
00.20227	92.05115	7005723	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20227	92.05115	218019	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Chrysene
00.20227	92.05115	84742	820.	246.	UG/KG	0.0		6/24/92	OUT OF CONTROL	Di-n-butyl phthalate
00.20227	92.05115	117840	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Di-n-octyl phthalate
00.20227	92.05115	53703	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20227	92.05115	132649	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Dibenzofuran
00.20227	92.05115	95501	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05115	541731	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05115	106467	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05115	91941	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20227	92.05115	120832	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dichlorophenol
00.20227	92.05115	84662	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Diethyl phthalate
00.20227	92.05115	131113	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Dimethyl phthalate
00.20227	92.05115	105679	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dimethylphenol
00.20227	92.05115	51285	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dinitrophenol
00.20227	92.05115	121142	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20227	92.05115	606202	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20227	92.05115	206440	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Fluoranthene
00.20227	92.05115	86737	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Fluorene
00.20227	92.05115	118741	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Hexachlorobenzene
00.20227	92.05115	87683	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Hexachlorobutadiene
00.20227	92.05115	77474	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Hexachlorocyclopentadiene
00.20227	92.05115	67721	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Hexachloroethane
00.20227	92.05115	193395	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20227	92.05115	78591	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Isophorone
00.20227	92.05115	534521	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20227	92.05115	91576	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Methylnaphthalene
00.20227	92.05115	95487	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Methylphenol
00.20227	92.05115	106445	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Methylphenol
00.20227	92.05115	91203	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Naphthalene
00.20227	92.05115	88744	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Nitroaniline
00.20227	92.05115	99092	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	3-Nitroaniline
00.20227	92.05115	100016	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Nitroaniline
00.20227	92.05115	98953	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Nitrobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05115	88755	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Nitrophenol
00.20227	92.05115	100027	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Nitrophenol
00.20227	92.05115	621647	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20227	92.05115	62759	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20227	92.05115	86306	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20227	92.05115	87865	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Pentachlorophenol
00.20227	92.05115	85018	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Phenanthrene
00.20227	92.05115	108952	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Phenol
00.20227	92.05115	129000	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Pyrene
00.20227	92.05115	120821	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20227	92.05115	95954	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20227	92.05115	88062	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4,6-Trichlorophenol

Blank Results, Sample # 92.05116 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/25/92 Date Analyzed: 5/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05116	83329	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Acenaphthene
00.20227	92.05116	208968	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Acenaphthylene
00.20227	92.05116	62533	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Aniline
00.20227	92.05116	120127	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Anthracene
00.20227	92.05116	103333	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Azobenzene
00.20227	92.05116	92875	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	m-Benzidine
00.20227	92.05116	56553	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[a]anthracene
00.20227	92.05116	50328	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[a]pyrene
00.20227	92.05116	205992	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[b]fluoranthene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05116	191242	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20227	92.05116	207089	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20227	92.05116	65850	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzoic acid
00.20227	92.05116	100516	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Benzyl alcohol
00.20227	92.05116	111911	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20227	92.05116	111444	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20227	92.05116	108601	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20227	92.05116	117817	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20227	92.05116	101553	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20227	92.05116	85687	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Butyl benzyl phthalate
00.20227	92.05116	59507	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20227	92.05116	106478	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Chloroaniline
00.20227	92.05116	91587	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Chloronaphthalene
00.20227	92.05116	95578	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	o-Chlorophenol
00.20227	92.05116	7005723	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20227	92.05116	218019	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Chrysene
00.20227	92.05116	84742	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Di-n-butyl phthalate
00.20227	92.05116	117840	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Di-n-octyl phthalate
00.20227	92.05116	53703	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20227	92.05116	132649	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Dibenzofuran
00.20227	92.05116	95501	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05116	541731	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05116	106467	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05116	91941	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20227	92.05116	120832	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dichlorophenol
00.20227	92.05116	84662	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Diethyl phthalate
00.20227	92.05116	131113	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Dimethyl phthalate
00.20227	92.05116	105679	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dimethylphenol
00.20227	92.05116	51285	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dinitrophenol
00.20227	92.05116	121142	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20227	92.05116	606202	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20227	92.05116	206440	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Fluoranthene
00.20227	92.05116	86737	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Fluorene
00.20227	92.05116	118741	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Hexachlorobenzene
00.20227	92.05116	87683	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Hexachlorobutadiene
00.20227	92.05116	77474	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Hexachlorocyclopentadiene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05116	67721	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Hexachloroethane
00.20227	92.05116	193395	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20227	92.05116	78591	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Isophorone
00.20227	92.05116	534521	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20227	92.05116	91576	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Methylnaphthalene
00.20227	92.05116	95487	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Methylphenol
00.20227	92.05116	106445	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Methylphenol
00.20227	92.05116	91203	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Naphthalene
00.20227	92.05116	88744	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Nitroaniline
00.20227	92.05116	99092	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	3-Nitroaniline
00.20227	92.05116	100016	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Nitroaniline
00.20227	92.05116	98953	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Nitrobenzene
00.20227	92.05116	88755	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2-Nitrophenol
00.20227	92.05116	100027	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	4-Nitrophenol
00.20227	92.05116	621647	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20227	92.05116	62759	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20227	92.05116	86306	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20227	92.05116	87865	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Pentachlorophenol
00.20227	92.05116	85018	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Phenanthrene
00.20227	92.05116	108952	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Phenol
00.20227	92.05116	129000	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	Pyrene
00.20227	92.05116	120821	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20227	92.05116	95954	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20227	92.05116	88062	< 330.		UG/KG	0.0		6/24/92	UNDER CONTROL	2,4,6-Trichlorophenol

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.05114 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/25/92 Date Analyzed: 5/29/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05114	83329	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Acenaphthene
92.05114	208968	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Acenaphthylene
92.05114	62533	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Aniline
92.05114	120127	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Anthracene
92.05114	103333	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Azobenzene
92.05114	92875	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	m-Benzidine
92.05114	56553	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[a]anthracene
92.05114	50328	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[a]pyrene
92.05114	205992	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[b]fluoranthene
92.05114	191242	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[g,h,i]perylene
92.05114	207089	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Benzo[k]fluoranthene
92.05114	65850	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Benzoic acid
92.05114	100516	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Benzyl alcohol
92.05114	111911	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
92.05114	111444	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-chloroethyl)ether
92.05114	108601	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
92.05114	117817	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
92.05114	101553	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	4-Bromophenylphenyl ether
92.05114	85687	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Butyl benzyl phthalate
92.05114	59507	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	4-Chloro-3-methylphenol
92.05114	106478	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	4-Chloroaniline
92.05114	91587	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2-Chloronaphthalene
92.05114	95578	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	o-Chlorophenol
92.05114	7005723	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	4-Chlorophenylphenyl ether
92.05114	218019	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Chrysene
92.05114	84742	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Di-n-butyl phthalate

92.05114	117840	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Di-n-octyl phthalate
92.05114	53703	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Dibenzo[a,h]anthracene
92.05114	132649	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Dibenzofuran
92.05114	95501	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05114	541731	2.9	0.87	MG/KG	5.4	0.5	6/24/92	WARNING 2-3 SIG	m-Dichlorobenzene (1,3)
92.05114	106467	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
92.05114	91941	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	3,3'-Dichlorobenzidine
92.05114	120832	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dichlorophenol
92.05114	84662	3.8	1.14	MG/KG	4.6	0.5	6/24/92	UNDER CONTROL	Diethyl phthalate
92.05114	131113	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Dimethyl phthalate
92.05114	105679	1.6	0.48	MG/KG	4.	0.4	6/24/92	OUT OF CONTROL	2,4-Dimethylphenol
92.05114	51285	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dinitrophenol
92.05114	121142	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2,4-Dinitrotoluene
92.05114	606202	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2,6-Dinitrotoluene
92.05114	206440	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Fluoranthene
92.05114	86737	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Fluorene
92.05114	118741	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Hexachlorobenzene
92.05114	87683	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Hexachlorobutadiene
92.05114	77474	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Hexachlorocyclopentadiene
92.05114	67721	2.9	0.87	MG/KG	5.2	0.5	6/24/92	WARNING 2-3 SIG	Hexachloroethane
92.05114	193395	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
92.05114	78591	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Isophorone
92.05114	534521	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
92.05114	91576	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2-Methylnaphthalene
92.05114	95487	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2-Methylphenol
92.05114	106445	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	4-Methylphenol
92.05114	91203	3.4	1.02	MG/KG	5.	0.5	6/24/92	UNDER CONTROL	Naphthalene
92.05114	88744	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2-Nitroaniline
92.05114	99092	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	3-Nitroaniline
92.05114	100016	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	4-Nitroaniline
92.05114	98953	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Nitrobenzene
92.05114	88755	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2-Nitrophenol
92.05114	100027	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	4-Nitrophenol
92.05114	621647	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
92.05114	62759	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	N-Nitrosodimethylamine
92.05114	86306	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	N-Nitrosodiphenylamine
92.05114	87865	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Pentachlorophenol
92.05114	85018	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Phenanthrene
92.05114	108952	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Phenol
92.05114	129000	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	Pyrene
92.05114	120821	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	1,2,4-Trichlorobenzene
92.05114	95954	< 0.33		MG/KG	0.0		6/24/92	UNDER CONTROL	2,4,5-Trichlorophenol
92.05114	88062	3.8	1.14	MG/KG	5.	0.5	6/24/92	UNDER CONTROL	2,4,6-Trichlorophenol

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA SEMIVOLATILES

Surrogate 1 = 2-Fluorophenol (CAS # = 367124)
Surrogate 2 = Phenol-d5 (CAS # = 4165622)
Surrogate 3 = Nitrobenzene-d5 (CAS # = 4165600)
Surrogate 4 = 2-Fluorobiphenyl (CAS # = 321608)
Surrogate 5 = 2,4,6-Tribromophenol (CAS # = 118796)
Surrogate 6 = p-Terphenyl-d14 (CAS # =)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	Surrogate 4	Surrogate 5	Surrogate 6	COMPLETION DATE
92.04983	%	20.68	41.14	35.3	61.48	88.31	87.84	24-Jun-1992
92.04983	%	43.18	59.26	58.6	73.5	87.37	85.64	24-Jun-1992
92.04983	%	45.1	63.4	60.46	77.62	74.44	99.74	24-Jun-1992
92.04984	%	27.57	47.22	49.06	58.26	73.38	63.32	24-Jun-1992
92.04985	%	50.66	79.5	77.76	96.88	109.88	106.36	24-Jun-1992
92.04986	%	37.87	61.25	59.32	73.24	107.68	70.58	24-Jun-1992
92.04987	%	30.86	50.3	45.32	64.44	87.94	67.32	24-Jun-1992
92.04988	%	41.04	58.37	55.9	71.96	79.77	90.38	24-Jun-1992
92.04989	%	31.53	48.5	44.48	58.18	64.7	77.12	24-Jun-1992
92.04990	%	39.07	61.66	58.5	76.24	79.97	78.68	24-Jun-1992
92.04991	%	28.26	47.86	50.26	61.16	61.77	74.12	24-Jun-1992
92.04992	%	61.04	82.9	81.6	102.28	106.7	96.4	24-Jun-1992
92.04993	%	29.06	52.46	52.7	65.4	80.96	79.44	24-Jun-1992
92.04994	%	32.84	49.48	47.12	59.76	84.24	78.32	26-Jun-1992
92.04995	%	37.84	56.29	48.98	65.28	83.86	83.1	26-Jun-1992
92.04996	%	63.16	77.48	74.18	85.42	93.01	75.06	24-Jun-1992
92.04997	%	23.82	43.96	44.28	59.6	72.32	69.16	24-Jun-1992
92.04998	%	38.36	56.9	60.74	66.5	83.03	80.56	24-Jun-1992
92.04999	%	32.58	55.58	46.52	63.76	70.62	68.92	24-Jun-1992
92.05114	%	67.5	79.23	80.22	89.98	81.18	99.54	24-Jun-1992
92.05115	%	26.4	35.71	42.98	51.9	51.38	65.86	24-Jun-1992
92.05116	%	18.78	38.82	37.08	61.2	62.27	75.36	24-Jun-1992
EPA Limits:								
Water	%	21 - 100	10 - 94	35 - 114	43 - 116	10 - 123	33 - 141	
Soil	%	25 - 121	24 - 113	23 - 120	30 - 115	19 - 122	18 - 137	

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14355

Analyst	Reviewer	Section Leader	QA Officer
6/29/92	6/29/92	7/6/92	
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-B-S	92.04868	87865	< 1900.		UG/KG	6/22/92	GPC CLEANED	Pentachlorophenol
53-NW-B-S	92.04868	85018	< 1900.		UG/KG	6/22/92	GPC CLEANED	Phenanthrene
53-NW-B-S	92.04868	108952	< 1900.		UG/KG	6/22/92	GPC CLEANED	Phenol
53-NW-B-S	92.04868	129000	< 1900.		UG/KG	6/22/92	GPC CLEANED	Pyrene
53-NW-B-S	92.04868	120821	< 1900.		UG/KG	6/22/92	GPC CLEANED	1,2,4-Trichlorobenzene
53-NW-B-S	92.04868	95954	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4,5-Trichlorophenol
53-NW-B-S	92.04868	88062	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04868

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04869 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-C-S	92.04869	83329	< 930.		UG/KG	6/22/92		Acenaphthene
53-NW-C-S	92.04869	208968	< 930.		UG/KG	6/22/92		Acenaphthylene
53-NW-C-S	92.04869	62533	< 930.		UG/KG	6/22/92		Aniline
53-NW-C-S	92.04869	120127	< 930.		UG/KG	6/22/92		Anthracene
53-NW-C-S	92.04869	103333	< 930.		UG/KG	6/22/92		Azobenzene
53-NW-C-S	92.04869	92875	< 930.		UG/KG	6/22/92		m-Benzidine
53-NW-C-S	92.04869	56553	< 930.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-C-S	92.04869	50328	< 930.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-C-S	92.04869	205992	< 930.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-C-S	92.04869	191242	< 930.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-C-S	92.04869	207089	< 930.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-C-S	92.04869	65850	< 930.		UG/KG	6/22/92		Benzoic acid
53-NW-C-S	92.04869	100516	< 930.		UG/KG	6/22/92		Benzyl alcohol
53-NW-C-S	92.04869	111911	< 930.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-C-S	92.04869	111444	< 930.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-C-S	92.04869	108601	< 930.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-C-S	92.04869	117817	1800.	540.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-C-S	92.04869	101553	< 930.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-C-S	92.04869	85687	< 930.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-C-S	92.04869	59507	< 930.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-C-S	92.04869	106478	< 930.		UG/KG	6/22/92		4-Chloroaniline
53-NW-C-S	92.04869	91587	< 930.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-C-S	92.04869	95578	< 930.		UG/KG	6/22/92		o-Chlorophenol
53-NW-C-S	92.04869	7005723	< 930.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-C-S	92.04869	218019	< 930.		UG/KG	6/22/92		Chrysene
53-NW-C-S	92.04869	84742	1300.	390.	UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-C-S	92.04869	117840	< 930.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-C-S	92.04869	53703	< 930.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-C-S	92.04869	132649	< 930.		UG/KG	6/22/92		Dibenzofuran
53-NW-C-S	92.04869	95501	< 930.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-C-S	92.04869	541731	< 930.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-C-S	92.04869	106467	< 930.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-C-S	92.04869	91941	< 930.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-C-S	92.04869	120832	< 930.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-C-S	92.04869	84662	< 930.		UG/KG	6/22/92		Diethyl phthalate
53-NW-C-S	92.04869	131113	< 930.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-C-S	92.04869	105679	< 930.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-C-S	92.04869	51285	< 930.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-C-S	92.04869	121142	< 930.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-C-S	92.04869	606202	< 930.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-C-S	92.04869	206440	< 930.		UG/KG	6/22/92		Fluoranthene
53-NW-C-S	92.04869	86737	< 930.		UG/KG	6/22/92		Fluorene
53-NW-C-S	92.04869	118741	< 930.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-C-S	92.04869	87683	< 930.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-C-S	92.04869	77474	< 930.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-C-S	92.04869	67721	< 930.		UG/KG	6/22/92		Hexachloroethane
53-NW-C-S	92.04869	193395	< 930.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-C-S	92.04869	78591	< 930.		UG/KG	6/22/92		Isophorone
53-NW-C-S	92.04869	534521	< 930.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-C-S	92.04869	91576	< 930.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-C-S	92.04869	95487	< 930.		UG/KG	6/22/92		2-Methylphenol
53-NW-C-S	92.04869	106445	< 930.		UG/KG	6/22/92		4-Methylphenol
53-NW-C-S	92.04869	91203	< 930.		UG/KG	6/22/92		Naphthalene
53-NW-C-S	92.04869	88744	< 930.		UG/KG	6/22/92		2-Nitroaniline
53-NW-C-S	92.04869	99092	< 930.		UG/KG	6/22/92		3-Nitroaniline
53-NW-C-S	92.04869	100016	< 930.		UG/KG	6/22/92		4-Nitroaniline
53-NW-C-S	92.04869	98953	< 930.		UG/KG	6/22/92		Nitrobenzene
53-NW-C-S	92.04869	88755	< 930.		UG/KG	6/22/92		2-Nitrophenol
53-NW-C-S	92.04869	100027	< 930.		UG/KG	6/22/92		4-Nitrophenol
53-NW-C-S	92.04869	621647	< 930.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-C-S	92.04869	62759	< 930.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-C-S	92.04869	86306	< 930.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-C-S	92.04869	87865	< 930.		UG/KG	6/22/92		Pentachlorophenol
53-NW-C-S	92.04869	85018	< 930.		UG/KG	6/22/92		Phenanthrene
53-NW-C-S	92.04869	108952	< 930.		UG/KG	6/22/92		Phenol
53-NW-C-S	92.04869	129000	< 930.		UG/KG	6/22/92		Pyrene
53-NW-C-S	92.04869	120821	< 930.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-C-S	92.04869	95954	< 930.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-C-S	92.04869	88062	< 930.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04869

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04870 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-D-S	92.04870	83329	< 1900.		UG/KG	6/22/92		Acenaphthene
53-NW-D-S	92.04870	208968	< 1900.		UG/KG	6/22/92		Acenaphthylene
53-NW-D-S	92.04870	62533	< 1900.		UG/KG	6/22/92		Aniline
53-NW-D-S	92.04870	120127	< 1900.		UG/KG	6/22/92		Anthracene
53-NW-D-S	92.04870	103333	< 1900.		UG/KG	6/22/92		Azobenzene
53-NW-D-S	92.04870	92875	< 1900.		UG/KG	6/22/92		m-Benzidine
53-NW-D-S	92.04870	56553	< 1900.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-D-S	92.04870	50328	< 1900.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-D-S	92.04870	205992	< 1900.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-D-S	92.04870	191242	< 1900.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-D-S	92.04870	207089	< 1900.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-D-S	92.04870	65850	5200.	1560.	UG/KG	6/22/92		Benzoic acid
53-NW-D-S	92.04870	100516	< 1900.		UG/KG	6/22/92		Benzyl alcohol
53-NW-D-S	92.04870	111911	< 1900.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-D-S	92.04870	111444	< 1900.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-D-S	92.04870	108601	< 1900.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-D-S	92.04870	117817	2700.	810.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-D-S	92.04870	101553	< 1900.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-D-S	92.04870	85687	< 1900.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-D-S	92.04870	59507	< 1900.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-D-S	92.04870	106478	< 1900.		UG/KG	6/22/92		4-Chloroaniline
53-NW-D-S	92.04870	91587	< 1900.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-D-S	92.04870	95578	< 1900.		UG/KG	6/22/92		o-Chlorophenol
53-NW-D-S	92.04870	7005723	< 1900.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-D-S	92.04870	218019	< 1900.		UG/KG	6/22/92		Chrysene
53-NW-D-S	92.04870	84742	< 1900.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-D-S	92.04870	117840	< 1900.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-D-S	92.04870	53703	< 1900.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-D-S	92.04870	132649	< 1900.		UG/KG	6/22/92		Dibenzofuran
53-NW-D-S	92.04870	95501	< 1900.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-D-S	92.04870	541731	< 1900.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-D-S	92.04870	106467	< 1900.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-D-S	92.04870	91941	< 1900.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-D-S	92.04870	120832	< 1900.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-D-S	92.04870	84662	< 1900.		UG/KG	6/22/92		Diethyl phthalate
53-NW-D-S	92.04870	131113	< 1900.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-D-S	92.04870	105679	< 1900.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-D-S	92.04870	51285	< 1900.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-D-S	92.04870	121142	< 1900.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-D-S	92.04870	606202	< 1900.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-D-S	92.04870	206440	< 1900.		UG/KG	6/22/92		Fluoranthene
53-NW-D-S	92.04870	86737	< 1900.		UG/KG	6/22/92		Fluorene
53-NW-D-S	92.04870	118741	< 1900.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-D-S	92.04870	87683	< 1900.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-D-S	92.04870	77474	< 1900.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-D-S	92.04870	67721	< 1900.		UG/KG	6/22/92		Hexachloroethane
53-NW-D-S	92.04870	193395	< 1900.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-D-S	92.04870	78591	< 1900.		UG/KG	6/22/92		Isophorone
53-NW-D-S	92.04870	534521	< 1900.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-D-S	92.04870	91576	< 1900.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-D-S	92.04870	95487	< 1900.		UG/KG	6/22/92		2-Methylphenol
53-NW-D-S	92.04870	106445	< 1900.		UG/KG	6/22/92		4-Methylphenol
53-NW-D-S	92.04870	91203	< 1900.		UG/KG	6/22/92		Naphthalene
53-NW-D-S	92.04870	88744	< 1900.		UG/KG	6/22/92		2-Nitroaniline
53-NW-D-S	92.04870	99092	< 1900.		UG/KG	6/22/92		3-Nitroaniline
53-NW-D-S	92.04870	100016	< 1900.		UG/KG	6/22/92		4-Nitroaniline
53-NW-D-S	92.04870	98953	< 1900.		UG/KG	6/22/92		Nitrobenzene
53-NW-D-S	92.04870	88755	< 1900.		UG/KG	6/22/92		2-Nitrophenol
53-NW-D-S	92.04870	100027	< 1900.		UG/KG	6/22/92		4-Nitrophenol
53-NW-D-S	92.04870	621647	< 1900.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-D-S	92.04870	62759	< 1900.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-D-S	92.04870	86306	< 1900.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-D-S	92.04870	87865	< 1900.		UG/KG	6/22/92		Pentachlorophenol
53-NW-D-S	92.04870	85018	< 1900.		UG/KG	6/22/92		Phenanthrene
53-NW-D-S	92.04870	108952	< 1900.		UG/KG	6/22/92		Phenol
53-NW-D-S	92.04870	129000	< 1900.		UG/KG	6/22/92		Pyrene
53-NW-D-S	92.04870	120821	< 1900.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-D-S	92.04870	95954	< 1900.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-D-S	92.04870	88062	< 1900.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04870

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04871 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-E-S	92.04871	83329	< 1900.		UG/KG	6/22/92		Acenaphthene
53-NW-E-S	92.04871	208968	< 1900.		UG/KG	6/22/92		Acenaphthylene
53-NW-E-S	92.04871	62533	< 1900.		UG/KG	6/22/92		Aniline
53-NW-E-S	92.04871	120127	< 1900.		UG/KG	6/22/92		Anthracene
53-NW-E-S	92.04871	103333	< 1900.		UG/KG	6/22/92		Azobenzene
53-NW-E-S	92.04871	92875	< 1900.		UG/KG	6/22/92		m-Benzidine
53-NW-E-S	92.04871	56553	< 1900.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-E-S	92.04871	50328	< 1900.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-E-S	92.04871	205992	< 1900.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-E-S	92.04871	191242	< 1900.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-E-S	92.04871	207089	< 1900.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-E-S	92.04871	65850	4600.	✓ 1380.	UG/KG	6/22/92		Benzoic acid
53-NW-E-S	92.04871	100516	< 1900.		UG/KG	6/22/92		Benzyl alcohol
53-NW-E-S	92.04871	111911	< 1900.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-E-S	92.04871	111444	< 1900.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-E-S	92.04871	108601	< 1900.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-E-S	92.04871	117817	5500.	✓ 1650.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-E-S	92.04871	101553	< 1900.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-E-S	92.04871	85687	< 1900.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-E-S	92.04871	59507	< 1900.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-E-S	92.04871	106478	< 1900.		UG/KG	6/22/92		4-Chloroaniline
53-NW-E-S	92.04871	91587	< 1900.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-E-S	92.04871	95578	< 1900.		UG/KG	6/22/92		o-Chlorophenol
53-NW-E-S	92.04871	7005723	< 1900.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-E-S	92.04871	218019	< 1900.		UG/KG	6/22/92		Chrysene
53-NW-E-S	92.04871	84742	< 1900.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-E-S	92.04871	117840	< 1900.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-E-S	92.04871	53703	< 1900.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-E-S	92.04871	132649	< 1900.		UG/KG	6/22/92		Dibenzofuran
53-NW-E-S	92.04871	95501	< 1900.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-E-S	92.04871	541731	< 1900.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-E-S	92.04871	106467	< 1900.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-E-S	92.04871	91941	< 1900.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-E-S	92.04871	120832	< 1900.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-E-S	92.04871	84662	< 1900.		UG/KG	6/22/92		Diethyl phthalate
53-NW-E-S	92.04871	131113	< 1900.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-E-S	92.04871	105679	< 1900.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-E-S	92.04871	51285	< 1900.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-E-S	92.04871	121142	< 1900.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-E-S	92.04871	606202	< 1900.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-E-S	92.04871	206440	< 1900.		UG/KG	6/22/92		Fluoranthene
53-NW-E-S	92.04871	86737	< 1900.		UG/KG	6/22/92		Fluorene
53-NW-E-S	92.04871	118741	< 1900.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-E-S	92.04871	87683	< 1900.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-E-S	92.04871	77474	< 1900.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-E-S	92.04871	67721	< 1900.		UG/KG	6/22/92		Hexachloroethane
53-NW-E-S	92.04871	193395	< 1900.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-E-S	92.04871	78591	< 1900.		UG/KG	6/22/92		Isophorone
53-NW-E-S	92.04871	534521	< 1900.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-E-S	92.04871	91576	< 1900.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-E-S	92.04871	95487	< 1900.		UG/KG	6/22/92		2-Methylphenol
53-NW-E-S	92.04871	106445	< 1900.		UG/KG	6/22/92		4-Methylphenol
53-NW-E-S	92.04871	91203	< 1900.		UG/KG	6/22/92		Naphthalene
53-NW-E-S	92.04871	88744	< 1900.		UG/KG	6/22/92		2-Nitroaniline
53-NW-E-S	92.04871	99092	< 1900.		UG/KG	6/22/92		3-Nitroaniline
53-NW-E-S	92.04871	100016	< 1900.		UG/KG	6/22/92		4-Nitroaniline
53-NW-E-S	92.04871	98953	< 1900.		UG/KG	6/22/92		Nitrobenzene
53-NW-E-S	92.04871	88755	< 1900.		UG/KG	6/22/92		2-Nitrophenol
53-NW-E-S	92.04871	100027	< 1900.		UG/KG	6/22/92		4-Nitrophenol
53-NW-E-S	92.04871	621647	< 1900.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-E-S	92.04871	62759	< 1900.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-E-S	92.04871	86306	< 1900.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-E-S	92.04871	87865	< 1900.		UG/KG	6/22/92		Pentachlorophenol
53-NW-E-S	92.04871	85018	< 1900.		UG/KG	6/22/92		Phenanthrene
53-NW-E-S	92.04871	108952	< 1900.		UG/KG	6/22/92		Phenol
53-NW-E-S	92.04871	129000	< 1900.		UG/KG	6/22/92		Pyrene
53-NW-E-S	92.04871	120821	< 1900.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-E-S	92.04871	95954	< 1900.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-E-S	92.04871	88062	< 1900.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04871

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04872 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 5/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-F-S	92.04872	83329	< 2000.		UG/KG	6/22/92		Acenaphthene
53-NW-F-S	92.04872	208968	< 2000.		UG/KG	6/22/92		Acenaphthylene
53-NW-F-S	92.04872	62533	< 2000.		UG/KG	6/22/92		Aniline
53-NW-F-S	92.04872	120127	< 2000.		UG/KG	6/22/92		Anthracene
53-NW-F-S	92.04872	103333	< 2000.		UG/KG	6/22/92		Azobenzene
53-NW-F-S	92.04872	92875	< 2000.		UG/KG	6/22/92		m-Benzidine
53-NW-F-S	92.04872	56553	< 2000.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-F-S	92.04872	50328	< 2000.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-F-S	92.04872	205992	< 2000.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-F-S	92.04872	191242	< 2000.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-F-S	92.04872	207089	< 2000.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-F-S	92.04872	65850	< 2000.		UG/KG	6/22/92		Benzoic acid
53-NW-F-S	92.04872	100516	< 2000.		UG/KG	6/22/92		Benzyl alcohol
53-NW-F-S	92.04872	111911	< 2000.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-F-S	92.04872	111444	< 2000.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-F-S	92.04872	108601	< 2000.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-F-S	92.04872	117817	2100.	630.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-F-S	92.04872	101553	< 2000.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-F-S	92.04872	85687	< 2000.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-F-S	92.04872	59507	< 2000.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-F-S	92.04872	106478	< 2000.		UG/KG	6/22/92		4-Chloroaniline
53-NW-F-S	92.04872	91587	< 2000.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-F-S	92.04872	95578	< 2000.		UG/KG	6/22/92		o-Chlorophenol
53-NW-F-S	92.04872	7005723	< 2000.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-F-S	92.04872	218019	< 2000.		UG/KG	6/22/92		Chrysene
53-NW-F-S	92.04872	84742	< 2000.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-F-S	92.04872	117840	< 2000.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-F-S	92.04872	53703	< 2000.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-F-S	92.04872	132649	< 2000.		UG/KG	6/22/92		Dibenzofuran
53-NW-F-S	92.04872	95501	< 2000.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-F-S	92.04872	541731	< 2000.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-F-S	92.04872	106467	< 2000.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-F-S	92.04872	91941	< 2000.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-F-S	92.04872	120832	< 2000.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-F-S	92.04872	84662	< 2000.		UG/KG	6/22/92		Diethyl phthalate
53-NW-F-S	92.04872	131113	< 2000.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-F-S	92.04872	105679	< 2000.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-F-S	92.04872	51285	< 2000.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-F-S	92.04872	121142	< 2000.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-F-S	92.04872	606202	< 2000.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-F-S	92.04872	206440	< 2000.		UG/KG	6/22/92		Fluoranthene
53-NW-F-S	92.04872	86737	< 2000.		UG/KG	6/22/92		Fluorene
53-NW-F-S	92.04872	118741	< 2000.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-F-S	92.04872	87683	< 2000.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-F-S	92.04872	77474	< 2000.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-F-S	92.04872	67721	< 2000.		UG/KG	6/22/92		Hexachloroethane
53-NW-F-S	92.04872	193395	< 2000.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-F-S	92.04872	78591	< 2000.		UG/KG	6/22/92		Isophorone
53-NW-F-S	92.04872	534521	< 2000.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-F-S	92.04872	91576	< 2000.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-F-S	92.04872	95487	< 2000.		UG/KG	6/22/92		2-Methylphenol
53-NW-F-S	92.04872	106445	< 2000.		UG/KG	6/22/92		4-Methylphenol
53-NW-F-S	92.04872	91203	< 2000.		UG/KG	6/22/92		Naphthalene
53-NW-F-S	92.04872	88744	< 2000.		UG/KG	6/22/92		2-Nitroaniline
53-NW-F-S	92.04872	99092	< 2000.		UG/KG	6/22/92		3-Nitroaniline
53-NW-F-S	92.04872	100016	< 2000.		UG/KG	6/22/92		4-Nitroaniline
53-NW-F-S	92.04872	98953	< 2000.		UG/KG	6/22/92		Nitrobenzene
53-NW-F-S	92.04872	88755	< 2000.		UG/KG	6/22/92		2-Nitrophenol
53-NW-F-S	92.04872	100027	< 2000.		UG/KG	6/22/92		4-Nitrophenol
53-NW-F-S	92.04872	621647	< 2000.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-F-S	92.04872	62759	< 2000.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-F-S	92.04872	86306	< 2000.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-F-S	92.04872	87865	< 2000.		UG/KG	6/22/92		Pentachlorophenol
53-NW-F-S	92.04872	85018	< 2000.		UG/KG	6/22/92		Phenanthrene
53-NW-F-S	92.04872	108952	< 2000.		UG/KG	6/22/92		Phenol
53-NW-F-S	92.04872	129000	< 2000.		UG/KG	6/22/92		Pyrene
53-NW-F-S	92.04872	120821	< 2000.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-F-S	92.04872	95954	< 2000.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-F-S	92.04872	88062	< 2000.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04872

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04873 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 5/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-G-S	92.04873	83329	< 1900.		UG/KG	6/22/92		Acenaphthene
53-NW-G-S	92.04873	208968	< 1900.		UG/KG	6/22/92		Acenaphthylene
53-NW-G-S	92.04873	62533	< 1900.		UG/KG	6/22/92		Aniline
53-NW-G-S	92.04873	120127	< 1900.		UG/KG	6/22/92		Anthracene
53-NW-G-S	92.04873	103333	< 1900.		UG/KG	6/22/92		Azobenzene
53-NW-G-S	92.04873	92875	< 1900.		UG/KG	6/22/92		m-Benzidine
53-NW-G-S	92.04873	56553	< 1900.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-G-S	92.04873	50328	< 1900.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-G-S	92.04873	205992	< 1900.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-G-S	92.04873	191242	< 1900.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-G-S	92.04873	207089	< 1900.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-G-S	92.04873	65850	< 1900.		UG/KG	6/22/92		Benzoic acid
53-NW-G-S	92.04873	100516	< 1900.		UG/KG	6/22/92		Benzyl alcohol
53-NW-G-S	92.04873	111911	< 1900.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-G-S	92.04873	111444	< 1900.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-G-S	92.04873	108601	< 1900.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-G-S	92.04873	117817	< 1900.		UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-G-S	92.04873	101553	< 1900.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-G-S	92.04873	85687	< 1900.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-G-S	92.04873	59507	< 1900.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-G-S	92.04873	106478	< 1900.		UG/KG	6/22/92		4-Chloroaniline
53-NW-G-S	92.04873	91587	< 1900.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-G-S	92.04873	95578	< 1900.		UG/KG	6/22/92		o-Chlorophenol
53-NW-G-S	92.04873	7005723	< 1900.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-G-S	92.04873	218019	< 1900.		UG/KG	6/22/92		Chrysene
53-NW-G-S	92.04873	84742	< 1900.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-G-S	92.04873	117840	< 1900.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-G-S	92.04873	53703	< 1900.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-G-S	92.04873	132649	< 1900.		UG/KG	6/22/92		Dibenzofuran
53-NW-G-S	92.04873	95501	< 1900.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-G-S	92.04873	541731	< 1900.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-G-S	92.04873	106467	< 1900.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-G-S	92.04873	91941	< 1900.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-G-S	92.04873	120832	< 1900.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-G-S	92.04873	84662	< 1900.		UG/KG	6/22/92		Diethyl phthalate
53-NW-G-S	92.04873	131113	< 1900.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-G-S	92.04873	105679	< 1900.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-G-S	92.04873	51285	< 1900.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-G-S	92.04873	121142	< 1900.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-G-S	92.04873	606202	< 1900.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-G-S	92.04873	206440	< 1900.		UG/KG	6/22/92		Fluoranthene
53-NW-G-S	92.04873	86737	< 1900.		UG/KG	6/22/92		Fluorene
53-NW-G-S	92.04873	118741	< 1900.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-G-S	92.04873	87683	< 1900.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-G-S	92.04873	77474	< 1900.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-G-S	92.04873	67721	< 1900.		UG/KG	6/22/92		Hexachloroethane
53-NW-G-S	92.04873	193395	< 1900.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-G-S	92.04873	78591	< 1900.		UG/KG	6/22/92		Isophorone
53-NW-G-S	92.04873	534521	< 1900.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-G-S	92.04873	91576	< 1900.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-G-S	92.04873	95487	< 1900.		UG/KG	6/22/92		2-Methylphenol
53-NW-G-S	92.04873	106445	< 1900.		UG/KG	6/22/92		4-Methylphenol
53-NW-G-S	92.04873	91203	< 1900.		UG/KG	6/22/92		Naphthalene
53-NW-G-S	92.04873	88744	< 1900.		UG/KG	6/22/92		2-Nitroaniline
53-NW-G-S	92.04873	99092	< 1900.		UG/KG	6/22/92		3-Nitroaniline
53-NW-G-S	92.04873	100016	< 1900.		UG/KG	6/22/92		4-Nitroaniline
53-NW-G-S	92.04873	98953	< 1900.		UG/KG	6/22/92		Nitrobenzene
53-NW-G-S	92.04873	88755	< 1900.		UG/KG	6/22/92		2-Nitrophenol
53-NW-G-S	92.04873	100027	< 1900.		UG/KG	6/22/92		4-Nitrophenol
53-NW-G-S	92.04873	621647	< 1900.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-G-S	92.04873	62759	< 1900.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-G-S	92.04873	86306	< 1900.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-G-S	92.04873	87865	< 1900.		UG/KG	6/22/92		Pentachlorophenol
53-NW-G-S	92.04873	85018	< 1900.		UG/KG	6/22/92		Phenanthrene
53-NW-G-S	92.04873	108952	< 1900.		UG/KG	6/22/92		Phenol
53-NW-G-S	92.04873	129000	< 1900.		UG/KG	6/22/92		Pyrene
53-NW-G-S	92.04873	120821	< 1900.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-G-S	92.04873	95954	< 1900.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-G-S	92.04873	88062	< 1900.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04873

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04874 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-H-S	92.04874	83329	< 1900.		UG/KG	6/22/92		Acenaphthene
53-NW-H-S	92.04874	208968	< 1900.		UG/KG	6/22/92		Acenaphthylene
53-NW-H-S	92.04874	62533	< 1900.		UG/KG	6/22/92		Aniline
53-NW-H-S	92.04874	120127	< 1900.		UG/KG	6/22/92		Anthracene
53-NW-H-S	92.04874	103333	< 1900.		UG/KG	6/22/92		Azobenzene
53-NW-H-S	92.04874	92875	< 1900.		UG/KG	6/22/92		m-Benzidine
53-NW-H-S	92.04874	56553	< 1900.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-H-S	92.04874	50328	< 1900.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-H-S	92.04874	205992	< 1900.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-H-S	92.04874	191242	< 1900.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-H-S	92.04874	207089	< 1900.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-H-S	92.04874	65850	< 1900.		UG/KG	6/22/92		Benzoic acid
53-NW-H-S	92.04874	100516	< 1900.		UG/KG	6/22/92		Benzyl alcohol
53-NW-H-S	92.04874	111911	< 1900.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-H-S	92.04874	111444	< 1900.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-H-S	92.04874	108601	< 1900.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-H-S	92.04874	117817	2100.	630.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-H-S	92.04874	101553	< 1900.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-H-S	92.04874	85687	< 1900.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-H-S	92.04874	59507	< 1900.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-H-S	92.04874	106478	< 1900.		UG/KG	6/22/92		4-Chloroaniline
53-NW-H-S	92.04874	91587	< 1900.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-H-S	92.04874	95578	< 1900.		UG/KG	6/22/92		o-Chlorophenol
53-NW-H-S	92.04874	7005723	< 1900.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-H-S	92.04874	218019	< 1900.		UG/KG	6/22/92		Chrysene
53-NW-H-S	92.04874	84742	< 1900.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-H-S	92.04874	117840	< 1900.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-H-S	92.04874	53703	< 1900.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-H-S	92.04874	132649	< 1900.		UG/KG	6/22/92		Dibenzofuran
53-NW-H-S	92.04874	95501	< 1900.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-H-S	92.04874	541731	< 1900.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-H-S	92.04874	106467	< 1900.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-H-S	92.04874	91941	< 1900.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-H-S	92.04874	120832	< 1900.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-H-S	92.04874	84662	< 1900.		UG/KG	6/22/92		Diethyl phthalate
53-NW-H-S	92.04874	131113	< 1900.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-H-S	92.04874	105679	< 1900.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-H-S	92.04874	51285	< 1900.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-H-S	92.04874	121142	< 1900.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-H-S	92.04874	606202	< 1900.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-H-S	92.04874	206440	< 1900.		UG/KG	6/22/92		Fluoranthene
53-NW-H-S	92.04874	86737	< 1900.		UG/KG	6/22/92		Fluorene
53-NW-H-S	92.04874	118741	< 1900.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-H-S	92.04874	87683	< 1900.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-H-S	92.04874	77474	< 1900.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-H-S	92.04874	67721	< 1900.		UG/KG	6/22/92		Hexachloroethane
53-NW-H-S	92.04874	193395	< 1900.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-H-S	92.04874	78591	< 1900.		UG/KG	6/22/92		Isophorone
53-NW-H-S	92.04874	534521	< 1900.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-H-S	92.04874	91576	< 1900.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-H-S	92.04874	95487	< 1900.		UG/KG	6/22/92		2-Methylphenol
53-NW-H-S	92.04874	106445	< 1900.		UG/KG	6/22/92		4-Methylphenol
53-NW-H-S	92.04874	91203	< 1900.		UG/KG	6/22/92		Naphthalene
53-NW-H-S	92.04874	88744	< 1900.		UG/KG	6/22/92		2-Nitroaniline
53-NW-H-S	92.04874	99092	< 1900.		UG/KG	6/22/92		3-Nitroaniline
53-NW-H-S	92.04874	100016	< 1900.		UG/KG	6/22/92		4-Nitroaniline
53-NW-H-S	92.04874	98953	< 1900.		UG/KG	6/22/92		Nitrobenzene
53-NW-H-S	92.04874	88755	< 1900.		UG/KG	6/22/92		2-Nitrophenol
53-NW-H-S	92.04874	100027	< 1900.		UG/KG	6/22/92		4-Nitrophenol
53-NW-H-S	92.04874	621647	< 1900.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-H-S	92.04874	62759	< 1900.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-H-S	92.04874	86306	< 1900.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-H-S	92.04874	87865	< 1900.		UG/KG	6/22/92		Pentachlorophenol
53-NW-H-S	92.04874	85018	< 1900.		UG/KG	6/22/92		Phenanthrene
53-NW-H-S	92.04874	108952	< 1900.		UG/KG	6/22/92		Phenol
53-NW-H-S	92.04874	129000	< 1900.		UG/KG	6/22/92		Pyrene
53-NW-H-S	92.04874	120821	< 1900.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-H-S	92.04874	95954	< 1900.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-H-S	92.04874	88062	< 1900.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04874

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04875 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-I-S	92.04875	83329	< 1800.		UG/KG	6/22/92	GPC CLEANED	Acenaphthene
53-NW-I-S	92.04875	208968	< 1800.		UG/KG	6/22/92	GPC CLEANED	Acenaphthylene
53-NW-I-S	92.04875	62533	< 1800.		UG/KG	6/22/92	GPC CLEANED	Aniline
53-NW-I-S	92.04875	120127	< 1800.		UG/KG	6/22/92	GPC CLEANED	Anthracene
53-NW-I-S	92.04875	103333	< 1800.		UG/KG	6/22/92	GPC CLEANED	Azobenzene
53-NW-I-S	92.04875	92875	< 1800.		UG/KG	6/22/92	GPC CLEANED	m-Benzidine
53-NW-I-S	92.04875	56553	< 1800.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]anthracene
53-NW-I-S	92.04875	50328	< 1800.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]pyrene
53-NW-I-S	92.04875	205992	< 1800.		UG/KG	6/22/92	GPC CLEANED	Benzo[b]fluoranthene
53-NW-I-S	92.04875	191242	< 1800.		UG/KG	6/22/92	GPC CLEANED	Benzo[g,h,i]perylene
53-NW-I-S	92.04875	207089	< 1800.		UG/KG	6/22/92	GPC CLEANED	Benzo[k]fluoranthene
53-NW-I-S	92.04875	65850	3800.	1140.	UG/KG	6/22/92	GPC CLEANED	Benzoic acid
53-NW-I-S	92.04875	100516	< 1800.		UG/KG	6/22/92	GPC CLEANED	Benzyl alcohol
53-NW-I-S	92.04875	111911	< 1800.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethoxy)methane
53-NW-I-S	92.04875	111444	< 1800.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethyl)ether
53-NW-I-S	92.04875	108601	< 1800.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroisopropyl)ether
53-NW-I-S	92.04875	117817	22700.	6810.	UG/KG	6/22/92	GPC CLEANED	Bis(2-ethylhexyl)phthalate
53-NW-I-S	92.04875	101553	< 1800.		UG/KG	6/22/92	GPC CLEANED	4-Bromophenylphenyl ether
53-NW-I-S	92.04875	85687	< 1800.		UG/KG	6/22/92	GPC CLEANED	Butyl benzyl phthalate
53-NW-I-S	92.04875	59507	< 1800.		UG/KG	6/22/92	GPC CLEANED	4-Chloro-3-methylphenol
53-NW-I-S	92.04875	106478	< 1800.		UG/KG	6/22/92	GPC CLEANED	4-Chloroaniline
53-NW-I-S	92.04875	91587	< 1800.		UG/KG	6/22/92	GPC CLEANED	2-Chloronaphthalene
53-NW-I-S	92.04875	95578	< 1800.		UG/KG	6/22/92	GPC CLEANED	o-Chlorophenol
53-NW-I-S	92.04875	7005723	< 1800.		UG/KG	6/22/92	GPC CLEANED	4-Chlorophenylphenyl ether
53-NW-I-S	92.04875	218019	< 1800.		UG/KG	6/22/92	GPC CLEANED	Chrysene
53-NW-I-S	92.04875	84742	< 1800.		UG/KG	6/22/92	GPC CLEANED	Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-I-S	92.04875	117840	< 1800.		UG/KG	6/22/92	GPC CLEANED	Di-n-octyl phthalate
53-NW-I-S	92.04875	53703	< 1800.		UG/KG	6/22/92	GPC CLEANED	Dibenzo[a,h]anthracene
53-NW-I-S	92.04875	132649	< 1800.		UG/KG	6/22/92	GPC CLEANED	Dibenzofuran
53-NW-I-S	92.04875	95501	< 1800.		UG/KG	6/22/92	GPC CLEANED	o-Dichlorobenzene (1,2)
53-NW-I-S	92.04875	541731	< 1800.		UG/KG	6/22/92	GPC CLEANED	m-Dichlorobenzene (1,3)
53-NW-I-S	92.04875	106467	< 1800.		UG/KG	6/22/92	GPC CLEANED	p-Dichlorobenzene (1,4)
53-NW-I-S	92.04875	91941	< 1800.		UG/KG	6/22/92	GPC CLEANED	3,3'-Dichlorobenzidine
53-NW-I-S	92.04875	120832	< 1800.		UG/KG	6/22/92	GPC CLEANED	2,4-Dichlorophenol
53-NW-I-S	92.04875	84662	< 1800.		UG/KG	6/22/92	GPC CLEANED	Diethyl phthalate
53-NW-I-S	92.04875	131113	< 1800.		UG/KG	6/22/92	GPC CLEANED	Dimethyl phthalate
53-NW-I-S	92.04875	105679	< 1800.		UG/KG	6/22/92	GPC CLEANED	2,4-Dimethylphenol
53-NW-I-S	92.04875	51285	< 1800.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrophenol
53-NW-I-S	92.04875	121142	< 1800.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrotoluene
53-NW-I-S	92.04875	606202	< 1800.		UG/KG	6/22/92	GPC CLEANED	2,6-Dinitrotoluene
53-NW-I-S	92.04875	206440	< 1800.		UG/KG	6/22/92	GPC CLEANED	Fluoranthene
53-NW-I-S	92.04875	86737	< 1800.		UG/KG	6/22/92	GPC CLEANED	Fluorene
53-NW-I-S	92.04875	118741	< 1800.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobenzene
53-NW-I-S	92.04875	87683	< 1800.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobutadiene
53-NW-I-S	92.04875	77474	< 1800.		UG/KG	6/22/92	GPC CLEANED	Hexachlorocyclopentadiene
53-NW-I-S	92.04875	67721	< 1800.		UG/KG	6/22/92	GPC CLEANED	Hexachloroethane
53-NW-I-S	92.04875	193395	< 1800.		UG/KG	6/22/92	GPC CLEANED	Indeno[1,2,3-cd]pyrene
53-NW-I-S	92.04875	78591	< 1800.		UG/KG	6/22/92	GPC CLEANED	Isophorone
53-NW-I-S	92.04875	534521	< 1800.		UG/KG	6/22/92	GPC CLEANED	2-Methyl-4,6-dinitrophenol
53-NW-I-S	92.04875	91576	< 1800.		UG/KG	6/22/92	GPC CLEANED	2-Methylnaphthalene
53-NW-I-S	92.04875	95487	< 1800.		UG/KG	6/22/92	GPC CLEANED	2-Methylphenol
53-NW-I-S	92.04875	106445	< 1800.		UG/KG	6/22/92	GPC CLEANED	4-Methylphenol
53-NW-I-S	92.04875	91203	< 1800.		UG/KG	6/22/92	GPC CLEANED	Naphthalene
53-NW-I-S	92.04875	88744	< 1800.		UG/KG	6/22/92	GPC CLEANED	2-Nitroaniline
53-NW-I-S	92.04875	99092	< 1800.		UG/KG	6/22/92	GPC CLEANED	3-Nitroaniline
53-NW-I-S	92.04875	100016	< 1800.		UG/KG	6/22/92	GPC CLEANED	4-Nitroaniline
53-NW-I-S	92.04875	98953	< 1800.		UG/KG	6/22/92	GPC CLEANED	Nitrobenzene
53-NW-I-S	92.04875	88755	< 1800.		UG/KG	6/22/92	GPC CLEANED	2-Nitrophenol
53-NW-I-S	92.04875	100027	< 1800.		UG/KG	6/22/92	GPC CLEANED	4-Nitrophenol
53-NW-I-S	92.04875	621647	< 1800.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodi-n-propylamine
53-NW-I-S	92.04875	62759	< 1800.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodimethylamine
53-NW-I-S	92.04875	86306	< 1800.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-I-S	92.04875	87865	< 1800.		UG/KG	6/22/92	GPC CLEANED	Pentachlorophenol
53-NW-I-S	92.04875	85018	< 1800.		UG/KG	6/22/92	GPC CLEANED	Phenanthrene
53-NW-I-S	92.04875	108952	< 1800.		UG/KG	6/22/92	GPC CLEANED	Phenol
53-NW-I-S	92.04875	129000	< 1800.		UG/KG	6/22/92	GPC CLEANED	Pyrene
53-NW-I-S	92.04875	120821	< 1800.		UG/KG	6/22/92	GPC CLEANED	1,2,4-Trichlorobenzene
53-NW-I-S	92.04875	95954	< 1800.		UG/KG	6/22/92	GPC CLEANED	2,4,5-Trichlorophenol
53-NW-I-S	92.04875	88062	< 1800.		UG/KG	6/22/92	GPC CLEANED	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04875

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04876 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	83329	< 1900.		UG/KG	6/22/92		Acenaphthene
53-NW-J-S	92.04876	208968	< 1900.		UG/KG	6/22/92		Acenaphthylene
53-NW-J-S	92.04876	62533	< 1900.		UG/KG	6/22/92		Aniline
53-NW-J-S	92.04876	120127	< 1900.		UG/KG	6/22/92		Anthracene
53-NW-J-S	92.04876	103333	< 1900.		UG/KG	6/22/92		Azobenzene
53-NW-J-S	92.04876	92875	< 1900.		UG/KG	6/22/92		m-Benzidine
53-NW-J-S	92.04876	56553	< 1900.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-J-S	92.04876	50328	< 1900.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-J-S	92.04876	205992	< 1900.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-J-S	92.04876	191242	< 1900.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-J-S	92.04876	207089	< 1900.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-J-S	92.04876	65850	< 1900.		UG/KG	6/22/92		Benzoic acid
53-NW-J-S	92.04876	100516	< 1900.		UG/KG	6/22/92		Benzyl alcohol
53-NW-J-S	92.04876	111911	< 1900.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-J-S	92.04876	111444	< 1900.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-J-S	92.04876	108601	< 1900.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-J-S	92.04876	117817	13300.	3990.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-J-S	92.04876	101553	< 1900.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-J-S	92.04876	85687	< 1900.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-J-S	92.04876	59507	< 1900.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-J-S	92.04876	106478	< 1900.		UG/KG	6/22/92		4-Chloroaniline
53-NW-J-S	92.04876	91587	< 1900.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-J-S	92.04876	95578	< 1900.		UG/KG	6/22/92		o-Chlorophenol
53-NW-J-S	92.04876	7005723	< 1900.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-J-S	92.04876	218019	< 1900.		UG/KG	6/22/92		Chrysene
53-NW-J-S	92.04876	84742	< 1900.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	117840	< 1900.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-J-S	92.04876	53703	< 1900.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-J-S	92.04876	132649	< 1900.		UG/KG	6/22/92		Dibenzofuran
53-NW-J-S	92.04876	95501	< 1900.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-J-S	92.04876	541731	< 1900.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-J-S	92.04876	106467	< 1900.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-J-S	92.04876	91941	< 1900.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-J-S	92.04876	120832	< 1900.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-J-S	92.04876	84662	< 1900.		UG/KG	6/22/92		Diethyl phthalate
53-NW-J-S	92.04876	131113	< 1900.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-J-S	92.04876	105679	< 1900.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-J-S	92.04876	51285	< 1900.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-J-S	92.04876	121142	< 1900.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-J-S	92.04876	606202	< 1900.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-J-S	92.04876	206440	< 1900.		UG/KG	6/22/92		Fluoranthene
53-NW-J-S	92.04876	86737	< 1900.		UG/KG	6/22/92		Fluorene
53-NW-J-S	92.04876	118741	< 1900.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-J-S	92.04876	87683	< 1900.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-J-S	92.04876	77474	< 1900.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-J-S	92.04876	67721	< 1900.		UG/KG	6/22/92		Hexachloroethane
53-NW-J-S	92.04876	193395	< 1900.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-J-S	92.04876	78591	< 1900.		UG/KG	6/22/92		Isophorone
53-NW-J-S	92.04876	534521	< 1900.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-J-S	92.04876	91576	< 1900.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-J-S	92.04876	95487	< 1900.		UG/KG	6/22/92		2-Methylphenol
53-NW-J-S	92.04876	106445	< 1900.		UG/KG	6/22/92		4-Methylphenol
53-NW-J-S	92.04876	91203	< 1900.		UG/KG	6/22/92		Naphthalene
53-NW-J-S	92.04876	88744	< 1900.		UG/KG	6/22/92		2-Nitroaniline
53-NW-J-S	92.04876	99092	< 1900.		UG/KG	6/22/92		3-Nitroaniline
53-NW-J-S	92.04876	100016	< 1900.		UG/KG	6/22/92		4-Nitroaniline
53-NW-J-S	92.04876	98953	< 1900.		UG/KG	6/22/92		Nitrobenzene
53-NW-J-S	92.04876	88755	< 1900.		UG/KG	6/22/92		2-Nitrophenol
53-NW-J-S	92.04876	100027	< 1900.		UG/KG	6/22/92		4-Nitrophenol
53-NW-J-S	92.04876	621647	< 1900.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-J-S	92.04876	62759	< 1900.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-J-S	92.04876	86306	< 1900.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-J-S	92.04876	87865	< 1900.		UG/KG	6/22/92		Pentachlorophenol
53-NW-J-S	92.04876	85018	< 1900.		UG/KG	6/22/92		Phenanthrene
53-NW-J-S	92.04876	108952	< 1900.		UG/KG	6/22/92		Phenol
53-NW-J-S	92.04876	129000	< 1900.		UG/KG	6/22/92		Pyrene
53-NW-J-S	92.04876	120821	< 1900.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-J-S	92.04876	95954	< 1900.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-J-S	92.04876	88062	< 1900.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04876

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04877 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 5/19/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-K-S	92.04877	83329	< 1900.		UG/KG	6/22/92		Acenaphthene
53-NW-K-S	92.04877	208968	< 1900.		UG/KG	6/22/92		Acenaphthylene
53-NW-K-S	92.04877	62533	< 1900.		UG/KG	6/22/92		Aniline
53-NW-K-S	92.04877	120127	< 1900.		UG/KG	6/22/92		Anthracene
53-NW-K-S	92.04877	103333	< 1900.		UG/KG	6/22/92		Azobenzene
53-NW-K-S	92.04877	92875	< 1900.		UG/KG	6/22/92		m-Benzidine
53-NW-K-S	92.04877	56553	< 1900.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-K-S	92.04877	50328	< 1900.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-K-S	92.04877	205992	< 1900.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-K-S	92.04877	191242	< 1900.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-K-S	92.04877	207089	< 1900.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-K-S	92.04877	65850	< 1900.		UG/KG	6/22/92		Benzoic acid
53-NW-K-S	92.04877	100516	< 1900.		UG/KG	6/22/92		Benzyl alcohol
53-NW-K-S	92.04877	111911	< 1900.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-K-S	92.04877	111444	< 1900.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-K-S	92.04877	108601	< 1900.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-K-S	92.04877	117817	2900.	870.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-K-S	92.04877	101553	< 1900.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-K-S	92.04877	85687	< 1900.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-K-S	92.04877	59507	< 1900.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-K-S	92.04877	106478	< 1900.		UG/KG	6/22/92		4-Chloroaniline
53-NW-K-S	92.04877	91587	< 1900.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-K-S	92.04877	95578	< 1900.		UG/KG	6/22/92		o-Chlorophenol
53-NW-K-S	92.04877	7005723	< 1900.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-K-S	92.04877	218019	< 1900.		UG/KG	6/22/92		Chrysene
53-NW-K-S	92.04877	84742	< 1900.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-K-S	92.04877	117840	< 1900.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-K-S	92.04877	53703	< 1900.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-K-S	92.04877	132649	< 1900.		UG/KG	6/22/92		Dibenzofuran
53-NW-K-S	92.04877	95501	< 1900.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-K-S	92.04877	541731	< 1900.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-K-S	92.04877	106467	< 1900.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-K-S	92.04877	91941	< 1900.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-K-S	92.04877	120832	< 1900.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-K-S	92.04877	84662	< 1900.		UG/KG	6/22/92		Diethyl phthalate
53-NW-K-S	92.04877	131113	< 1900.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-K-S	92.04877	105679	< 1900.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-K-S	92.04877	51285	< 1900.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-K-S	92.04877	121142	< 1900.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-K-S	92.04877	606202	< 1900.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-K-S	92.04877	206440	< 1900.		UG/KG	6/22/92		Fluoranthene
53-NW-K-S	92.04877	86737	< 1900.		UG/KG	6/22/92		Fluorene
53-NW-K-S	92.04877	118741	< 1900.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-K-S	92.04877	87683	< 1900.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-K-S	92.04877	77474	< 1900.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-K-S	92.04877	67721	< 1900.		UG/KG	6/22/92		Hexachloroethane
53-NW-K-S	92.04877	193395	< 1900.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-K-S	92.04877	78591	< 1900.		UG/KG	6/22/92		Isophorone
53-NW-K-S	92.04877	534521	< 1900.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-K-S	92.04877	91576	< 1900.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-K-S	92.04877	95487	< 1900.		UG/KG	6/22/92		2-Methylphenol
53-NW-K-S	92.04877	106445	< 1900.		UG/KG	6/22/92		4-Methylphenol
53-NW-K-S	92.04877	91203	< 1900.		UG/KG	6/22/92		Naphthalene
53-NW-K-S	92.04877	88744	< 1900.		UG/KG	6/22/92		2-Nitroaniline
53-NW-K-S	92.04877	99092	< 1900.		UG/KG	6/22/92		3-Nitroaniline
53-NW-K-S	92.04877	100016	< 1900.		UG/KG	6/22/92		4-Nitroaniline
53-NW-K-S	92.04877	98953	< 1900.		UG/KG	6/22/92		Nitrobenzene
53-NW-K-S	92.04877	88755	< 1900.		UG/KG	6/22/92		2-Nitrophenol
53-NW-K-S	92.04877	100027	< 1900.		UG/KG	6/22/92		4-Nitrophenol
53-NW-K-S	92.04877	621647	< 1900.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-K-S	92.04877	62759	< 1900.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-K-S	92.04877	86306	< 1900.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-K-S	92.04877	87865	< 1900.		UG/KG	6/22/92		Pentachlorophenol
53-NW-K-S	92.04877	85018	< 1900.		UG/KG	6/22/92		Phenanthrene
53-NW-K-S	92.04877	108952	< 1900.		UG/KG	6/22/92		Phenol
53-NW-K-S	92.04877	129000	< 1900.		UG/KG	6/22/92		Pyrene
53-NW-K-S	92.04877	120821	< 1900.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-K-S	92.04877	95954	< 1900.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-K-S	92.04877	88062	< 1900.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04877

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04878 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-L-S	92.04878	83329	< 1900.		UG/KG	6/22/92		Acenaphthene
53-NW-L-S	92.04878	208968	< 1900.		UG/KG	6/22/92		Acenaphthylene
53-NW-L-S	92.04878	62533	< 1900.		UG/KG	6/22/92		Aniline
53-NW-L-S	92.04878	120127	< 1900.		UG/KG	6/22/92		Anthracene
53-NW-L-S	92.04878	103333	< 1900.		UG/KG	6/22/92		Azobenzene
53-NW-L-S	92.04878	92875	< 1900.		UG/KG	6/22/92		m-Benzidine
53-NW-L-S	92.04878	56553	< 1900.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-L-S	92.04878	50328	< 1900.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-L-S	92.04878	205992	< 1900.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-L-S	92.04878	191242	< 1900.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-L-S	92.04878	207089	< 1900.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-L-S	92.04878	65850	< 1900.		UG/KG	6/22/92		Benzoic acid
53-NW-L-S	92.04878	100516	< 1900.		UG/KG	6/22/92		Benzyl alcohol
53-NW-L-S	92.04878	111911	< 1900.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-L-S	92.04878	111444	< 1900.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-L-S	92.04878	108601	< 1900.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-L-S	92.04878	117817	< 1900.		UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-L-S	92.04878	101553	< 1900.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-L-S	92.04878	85687	< 1900.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-L-S	92.04878	59507	< 1900.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-L-S	92.04878	106478	< 1900.		UG/KG	6/22/92		4-Chloroaniline
53-NW-L-S	92.04878	91587	< 1900.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-L-S	92.04878	95578	< 1900.		UG/KG	6/22/92		o-Chlorophenol
53-NW-L-S	92.04878	7005723	< 1900.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-L-S	92.04878	218019	< 1900.		UG/KG	6/22/92		Chrysene
53-NW-L-S	92.04878	84742	< 1900.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-L-S	92.04878	117840	< 1900.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-L-S	92.04878	53703	< 1900.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-L-S	92.04878	132649	< 1900.		UG/KG	6/22/92		Dibenzofuran
53-NW-L-S	92.04878	95501	< 1900.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-L-S	92.04878	541731	< 1900.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-L-S	92.04878	106467	< 1900.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-L-S	92.04878	91941	< 1900.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-L-S	92.04878	120832	< 1900.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-L-S	92.04878	84662	< 1900.		UG/KG	6/22/92		Diethyl phthalate
53-NW-L-S	92.04878	131113	< 1900.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-L-S	92.04878	105679	< 1900.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-L-S	92.04878	51285	< 1900.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-L-S	92.04878	121142	< 1900.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-L-S	92.04878	606202	< 1900.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-L-S	92.04878	206440	< 1900.		UG/KG	6/22/92		Fluoranthene
53-NW-L-S	92.04878	86737	< 1900.		UG/KG	6/22/92		Fluorene
53-NW-L-S	92.04878	118741	< 1900.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-L-S	92.04878	87683	< 1900.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-L-S	92.04878	77474	< 1900.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-L-S	92.04878	67721	< 1900.		UG/KG	6/22/92		Hexachloroethane
53-NW-L-S	92.04878	193395	< 1900.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-L-S	92.04878	78591	< 1900.		UG/KG	6/22/92		Isophorone
53-NW-L-S	92.04878	534521	< 1900.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-L-S	92.04878	91576	< 1900.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-L-S	92.04878	95487	< 1900.		UG/KG	6/22/92		2-Methylphenol
53-NW-L-S	92.04878	106445	< 1900.		UG/KG	6/22/92		4-Methylphenol
53-NW-L-S	92.04878	91203	< 1900.		UG/KG	6/22/92		Naphthalene
53-NW-L-S	92.04878	88744	< 1900.		UG/KG	6/22/92		2-Nitroaniline
53-NW-L-S	92.04878	99092	< 1900.		UG/KG	6/22/92		3-Nitroaniline
53-NW-L-S	92.04878	100016	< 1900.		UG/KG	6/22/92		4-Nitroaniline
53-NW-L-S	92.04878	98953	< 1900.		UG/KG	6/22/92		Nitrobenzene
53-NW-L-S	92.04878	88755	< 1900.		UG/KG	6/22/92		2-Nitrophenol
53-NW-L-S	92.04878	100027	< 1900.		UG/KG	6/22/92		4-Nitrophenol
53-NW-L-S	92.04878	621647	< 1900.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-L-S	92.04878	62759	< 1900.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-L-S	92.04878	86306	< 1900.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-L-S	92.04878	87865	< 1900.		UG/KG	6/22/92		Pentachlorophenol
53-NW-L-S	92.04878	85018	< 1900.		UG/KG	6/22/92		Phenanthrene
53-NW-L-S	92.04878	108952	< 1900.		UG/KG	6/22/92		Phenol
53-NW-L-S	92.04878	129000	< 1900.		UG/KG	6/22/92		Pyrene
53-NW-L-S	92.04878	120821	< 1900.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-L-S	92.04878	95954	< 1900.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-L-S	92.04878	88062	< 1900.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04878

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04879 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S	92.04879	83329	< 1900.		UG/KG	6/22/92	GPC CLEANED	Acenaphthene
53-NW-N-S	92.04879	208968	< 1900.		UG/KG	6/22/92	GPC CLEANED	Acenaphthylene
53-NW-N-S	92.04879	62533	< 1900.		UG/KG	6/22/92	GPC CLEANED	Aniline
53-NW-N-S	92.04879	120127	< 1900.		UG/KG	6/22/92	GPC CLEANED	Anthracene
53-NW-N-S	92.04879	103333	< 1900.		UG/KG	6/22/92	GPC CLEANED	Azobenzene
53-NW-N-S	92.04879	92875	< 1900.		UG/KG	6/22/92	GPC CLEANED	m-Benzidine
53-NW-N-S	92.04879	56553	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]anthracene
53-NW-N-S	92.04879	50328	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]pyrene
53-NW-N-S	92.04879	205992	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[b]fluoranthene
53-NW-N-S	92.04879	191242	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[g,h,i]perylene
53-NW-N-S	92.04879	207089	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[k]fluoranthene
53-NW-N-S	92.04879	65850	3900.	1170.	UG/KG	6/22/92	GPC CLEANED	Benzoic acid
53-NW-N-S	92.04879	100516	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzyl alcohol
53-NW-N-S	92.04879	111911	< 1900.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethoxy)methane
53-NW-N-S	92.04879	111444	< 1900.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethyl)ether
53-NW-N-S	92.04879	108601	< 1900.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroisopropyl)ether
53-NW-N-S	92.04879	117817	5300.	1590.	UG/KG	6/22/92	GPC CLEANED	Bis(2-ethylhexyl)phthalate
53-NW-N-S	92.04879	101553	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Bromophenylphenyl ether
53-NW-N-S	92.04879	85687	< 1900.		UG/KG	6/22/92	GPC CLEANED	Butyl benzyl phthalate
53-NW-N-S	92.04879	59507	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Chloro-3-methylphenol
53-NW-N-S	92.04879	106478	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Chloroaniline
53-NW-N-S	92.04879	91587	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Chloronaphthalene
53-NW-N-S	92.04879	95578	< 1900.		UG/KG	6/22/92	GPC CLEANED	o-Chlorophenol
53-NW-N-S	92.04879	7005723	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Chlorophenylphenyl ether
53-NW-N-S	92.04879	218019	< 1900.		UG/KG	6/22/92	GPC CLEANED	Chrysene
53-NW-N-S	92.04879	84742	< 1900.		UG/KG	6/22/92	GPC CLEANED	Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S	92.04879	117840	< 1900.		UG/KG	6/22/92	GPC CLEANED	Di-n-octyl phthalate
53-NW-N-S	92.04879	53703	< 1900.		UG/KG	6/22/92	GPC CLEANED	Dibenzo[a,h]anthracene
53-NW-N-S	92.04879	132649	< 1900.		UG/KG	6/22/92	GPC CLEANED	Dibenzofuran
53-NW-N-S	92.04879	95501	< 1900.		UG/KG	6/22/92	GPC CLEANED	o-Dichlorobenzene (1,2)
53-NW-N-S	92.04879	541731	< 1900.		UG/KG	6/22/92	GPC CLEANED	m-Dichlorobenzene (1,3)
53-NW-N-S	92.04879	106467	< 1900.		UG/KG	6/22/92	GPC CLEANED	p-Dichlorobenzene (1,4)
53-NW-N-S	92.04879	91941	< 1900.		UG/KG	6/22/92	GPC CLEANED	3,3'-Dichlorobenzidine
53-NW-N-S	92.04879	120832	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dichlorophenol
53-NW-N-S	92.04879	84662	< 1900.		UG/KG	6/22/92	GPC CLEANED	Diethyl phthalate
53-NW-N-S	92.04879	131113	< 1900.		UG/KG	6/22/92	GPC CLEANED	Dimethyl phthalate
53-NW-N-S	92.04879	105679	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dimethylphenol
53-NW-N-S	92.04879	51285	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrophenol
53-NW-N-S	92.04879	121142	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrotoluene
53-NW-N-S	92.04879	606202	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,6-Dinitrotoluene
53-NW-N-S	92.04879	206440	< 1900.		UG/KG	6/22/92	GPC CLEANED	Fluoranthene
53-NW-N-S	92.04879	86737	< 1900.		UG/KG	6/22/92	GPC CLEANED	Fluorene
53-NW-N-S	92.04879	118741	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobenzene
53-NW-N-S	92.04879	87683	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobutadiene
53-NW-N-S	92.04879	77474	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachlorocyclopentadiene
53-NW-N-S	92.04879	67721	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachloroethane
53-NW-N-S	92.04879	193395	< 1900.		UG/KG	6/22/92	GPC CLEANED	Indeno[1,2,3-cd]pyrene
53-NW-N-S	92.04879	78591	< 1900.		UG/KG	6/22/92	GPC CLEANED	Isophorone
53-NW-N-S	92.04879	534521	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Methyl-4,6-dinitrophenol
53-NW-N-S	92.04879	91576	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Methylnaphthalene
53-NW-N-S	92.04879	95487	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Methylphenol
53-NW-N-S	92.04879	106445	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Methylphenol
53-NW-N-S	92.04879	91203	< 1900.		UG/KG	6/22/92	GPC CLEANED	Naphthalene
53-NW-N-S	92.04879	88744	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Nitroaniline
53-NW-N-S	92.04879	99092	< 1900.		UG/KG	6/22/92	GPC CLEANED	3-Nitroaniline
53-NW-N-S	92.04879	100016	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Nitroaniline
53-NW-N-S	92.04879	98953	< 1900.		UG/KG	6/22/92	GPC CLEANED	Nitrobenzene
53-NW-N-S	92.04879	88755	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Nitrophenol
53-NW-N-S	92.04879	100027	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Nitrophenol
53-NW-N-S	92.04879	621647	< 1900.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodi-n-propylamine
53-NW-N-S	92.04879	62759	< 1900.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodimethylamine
53-NW-N-S	92.04879	86306	< 1900.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S	92.04879	87865	< 1900.		UG/KG	6/22/92	GPC CLEANED	Pentachlorophenol
53-NW-N-S	92.04879	85018	< 1900.		UG/KG	6/22/92	GPC CLEANED	Phenanthrene
53-NW-N-S	92.04879	108952	< 1900.		UG/KG	6/22/92	GPC CLEANED	Phenol
53-NW-N-S	92.04879	129000	< 1900.		UG/KG	6/22/92	GPC CLEANED	Pyrene
53-NW-N-S	92.04879	120821	< 1900.		UG/KG	6/22/92	GPC CLEANED	1,2,4-Trichlorobenzene
53-NW-N-S	92.04879	95954	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4,5-Trichlorophenol
53-NW-N-S	92.04879	88062	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04879

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04880 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 6/02/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-M-S	92.04880	83329	< 2000.		UG/KG	6/22/92	GPC CLEANED	Acenaphthene
53-NW-M-S	92.04880	208968	< 2000.		UG/KG	6/22/92	GPC CLEANED	Acenaphthylene
53-NW-M-S	92.04880	62533	< 2000.		UG/KG	6/22/92	GPC CLEANED	Aniline
53-NW-M-S	92.04880	120127	< 2000.		UG/KG	6/22/92	GPC CLEANED	Anthracene
53-NW-M-S	92.04880	103333	< 2000.		UG/KG	6/22/92	GPC CLEANED	Azobenzene
53-NW-M-S	92.04880	92875	< 2000.		UG/KG	6/22/92	GPC CLEANED	m-Benzidine
53-NW-M-S	92.04880	56553	< 2000.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]anthracene
53-NW-M-S	92.04880	50328	< 2000.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]pyrene
53-NW-M-S	92.04880	205992	< 2000.		UG/KG	6/22/92	GPC CLEANED	Benzo[b]fluoranthene
53-NW-M-S	92.04880	191242	< 2000.		UG/KG	6/22/92	GPC CLEANED	Benzo[g,h,i]perylene
53-NW-M-S	92.04880	207089	< 2000.		UG/KG	6/22/92	GPC CLEANED	Benzo[k]fluoranthene
53-NW-M-S	92.04880	65850	< 2000.		UG/KG	6/22/92	GPC CLEANED	Benzoic acid
53-NW-M-S	92.04880	100516	< 2000.		UG/KG	6/22/92	GPC CLEANED	Benzyl alcohol
53-NW-M-S	92.04880	111911	< 2000.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethoxy)methane
53-NW-M-S	92.04880	111444	< 2000.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethyl)ether
53-NW-M-S	92.04880	108601	< 2000.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroisopropyl)ether
53-NW-M-S	92.04880	117817	8800.	2640.	UG/KG	6/22/92	GPC CLEANED	Bis(2-ethylhexyl)phthalate
53-NW-M-S	92.04880	101553	< 2000.		UG/KG	6/22/92	GPC CLEANED	4-Bromophenylphenyl ether
53-NW-M-S	92.04880	85687	< 2000.		UG/KG	6/22/92	GPC CLEANED	Butyl benzyl phthalate
53-NW-M-S	92.04880	59507	< 2000.		UG/KG	6/22/92	GPC CLEANED	4-Chloro-3-methylphenol
53-NW-M-S	92.04880	106478	< 2000.		UG/KG	6/22/92	GPC CLEANED	4-Chloroaniline
53-NW-M-S	92.04880	91587	< 2000.		UG/KG	6/22/92	GPC CLEANED	2-Chloronaphthalene
53-NW-M-S	92.04880	95578	< 2000.		UG/KG	6/22/92	GPC CLEANED	o-Chlorophenol
53-NW-M-S	92.04880	7005723	< 2000.		UG/KG	6/22/92	GPC CLEANED	4-Chlorophenylphenyl ether
53-NW-M-S	92.04880	218019	< 2000.		UG/KG	6/22/92	GPC CLEANED	Chrysene
53-NW-M-S	92.04880	84742	< 2000.		UG/KG	6/22/92	GPC CLEANED	Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-M-S	92.04880	117840	< 2000.		UG/KG	6/22/92	GPC CLEANED	Di-n-octyl phthalate
53-NW-M-S	92.04880	53703	< 2000.		UG/KG	6/22/92	GPC CLEANED	Dibenzo[a,h]anthracene
53-NW-M-S	92.04880	132649	< 2000.		UG/KG	6/22/92	GPC CLEANED	Dibenzofuran
53-NW-M-S	92.04880	95501	< 2000.		UG/KG	6/22/92	GPC CLEANED	o-Dichlorobenzene (1,2)
53-NW-M-S	92.04880	541731	< 2000.		UG/KG	6/22/92	GPC CLEANED	m-Dichlorobenzene (1,3)
53-NW-M-S	92.04880	106467	< 2000.		UG/KG	6/22/92	GPC CLEANED	p-Dichlorobenzene (1,4)
53-NW-M-S	92.04880	91941	< 2000.		UG/KG	6/22/92	GPC CLEANED	3,3'-Dichlorobenzidine
53-NW-M-S	92.04880	120832	< 2000.		UG/KG	6/22/92	GPC CLEANED	2,4-Dichlorophenol
53-NW-M-S	92.04880	84662	< 2000.		UG/KG	6/22/92	GPC CLEANED	Diethyl phthalate
53-NW-M-S	92.04880	131113	< 2000.		UG/KG	6/22/92	GPC CLEANED	Dimethyl phthalate
53-NW-M-S	92.04880	105679	< 2000.		UG/KG	6/22/92	GPC CLEANED	2,4-Dimethylphenol
53-NW-M-S	92.04880	51285	< 2000.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrophenol
53-NW-M-S	92.04880	121142	< 2000.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrotoluene
53-NW-M-S	92.04880	606202	< 2000.		UG/KG	6/22/92	GPC CLEANED	2,6-Dinitrotoluene
53-NW-M-S	92.04880	206440	< 2000.		UG/KG	6/22/92	GPC CLEANED	Fluoranthene
53-NW-M-S	92.04880	86737	< 2000.		UG/KG	6/22/92	GPC CLEANED	Fluorene
53-NW-M-S	92.04880	118741	< 2000.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobenzene
53-NW-M-S	92.04880	87683	< 2000.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobutadiene
53-NW-M-S	92.04880	77474	< 2000.		UG/KG	6/22/92	GPC CLEANED	Hexachlorocyclopentadiene
53-NW-M-S	92.04880	67721	< 2000.		UG/KG	6/22/92	GPC CLEANED	Hexachloroethane
53-NW-M-S	92.04880	193395	< 2000.		UG/KG	6/22/92	GPC CLEANED	Indeno[1,2,3-cd]pyrene
53-NW-M-S	92.04880	78591	< 2000.		UG/KG	6/22/92	GPC CLEANED	Isophorone
53-NW-M-S	92.04880	534521	< 2000.		UG/KG	6/22/92	GPC CLEANED	2-Methyl-4,6-dinitrophenol
53-NW-M-S	92.04880	91576	< 2000.		UG/KG	6/22/92	GPC CLEANED	2-Methylnaphthalene
53-NW-M-S	92.04880	95487	< 2000.		UG/KG	6/22/92	GPC CLEANED	2-Methylphenol
53-NW-M-S	92.04880	106445	< 2000.		UG/KG	6/22/92	GPC CLEANED	4-Methylphenol
53-NW-M-S	92.04880	91203	< 2000.		UG/KG	6/22/92	GPC CLEANED	Naphthalene
53-NW-M-S	92.04880	88744	< 2000.		UG/KG	6/22/92	GPC CLEANED	2-Nitroaniline
53-NW-M-S	92.04880	99092	< 2000.		UG/KG	6/22/92	GPC CLEANED	3-Nitroaniline
53-NW-M-S	92.04880	100016	< 2000.		UG/KG	6/22/92	GPC CLEANED	4-Nitroaniline
53-NW-M-S	92.04880	98953	< 2000.		UG/KG	6/22/92	GPC CLEANED	Nitrobenzene
53-NW-M-S	92.04880	88755	< 2000.		UG/KG	6/22/92	GPC CLEANED	2-Nitrophenol
53-NW-M-S	92.04880	100027	< 2000.		UG/KG	6/22/92	GPC CLEANED	4-Nitrophenol
53-NW-M-S	92.04880	621647	< 2000.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodi-n-propylamine
53-NW-M-S	92.04880	62759	< 2000.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodimethylamine
53-NW-M-S	92.04880	86306	< 2000.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-M-S	92.04880	87865	< 2000.		UG/KG	6/22/92	GPC CLEANED	Pentachlorophenol
53-NW-M-S	92.04880	85018	< 2000.		UG/KG	6/22/92	GPC CLEANED	Phenanthrene
53-NW-M-S	92.04880	108952	< 2000.		UG/KG	6/22/92	GPC CLEANED	Phenol
53-NW-M-S	92.04880	129000	< 2000.		UG/KG	6/22/92	GPC CLEANED	Pyrene
53-NW-M-S	92.04880	120821	< 2000.		UG/KG	6/22/92	GPC CLEANED	1,2,4-Trichlorobenzene
53-NW-M-S	92.04880	95954	< 2000.		UG/KG	6/22/92	GPC CLEANED	2,4,5-Trichlorophenol
53-NW-M-S	92.04880	88062	< 2000.		UG/KG	6/22/92	GPC CLEANED	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04880

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04881 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 6/02/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S-QA	92.04881	83329	< 1900.		UG/KG	6/22/92	GPC CLEANED	Acenaphthene
53-NW-N-S-QA	92.04881	208968	< 1900.		UG/KG	6/22/92	GPC CLEANED	Acenaphthylene
53-NW-N-S-QA	92.04881	62533	< 1900.		UG/KG	6/22/92	GPC CLEANED	Aniline
53-NW-N-S-QA	92.04881	120127	< 1900.		UG/KG	6/22/92	GPC CLEANED	Anthracene
53-NW-N-S-QA	92.04881	103333	< 1900.		UG/KG	6/22/92	GPC CLEANED	Azobenzene
53-NW-N-S-QA	92.04881	92875	< 1900.		UG/KG	6/22/92	GPC CLEANED	m-Benzidine
53-NW-N-S-QA	92.04881	56553	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]anthracene
53-NW-N-S-QA	92.04881	50328	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]pyrene
53-NW-N-S-QA	92.04881	205992	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[b]fluoranthene
53-NW-N-S-QA	92.04881	191242	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[g,h,i]perylene
53-NW-N-S-QA	92.04881	207089	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[k]fluoranthene
53-NW-N-S-QA	92.04881	65850	2700.	810.	UG/KG	6/22/92	GPC CLEANED	Benzoic acid
53-NW-N-S-QA	92.04881	100516	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzyl alcohol
53-NW-N-S-QA	92.04881	111911	< 1900.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethoxy)methane
53-NW-N-S-QA	92.04881	111444	< 1900.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethyl)ether
53-NW-N-S-QA	92.04881	108601	< 1900.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroisopropyl)ether
53-NW-N-S-QA	92.04881	117817	6600.	1980.	UG/KG	6/22/92	GPC CLEANED	Bis(2-ethylhexyl)phthalate
53-NW-N-S-QA	92.04881	101553	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Bromophenylphenyl ether
53-NW-N-S-QA	92.04881	85687	< 1900.		UG/KG	6/22/92	GPC CLEANED	Butyl benzyl phthalate
53-NW-N-S-QA	92.04881	59507	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Chloro-3-methylphenol
53-NW-N-S-QA	92.04881	106478	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Chloroaniline
53-NW-N-S-QA	92.04881	91587	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Chloronaphthalene
53-NW-N-S-QA	92.04881	95578	< 1900.		UG/KG	6/22/92	GPC CLEANED	o-Chlorophenol
53-NW-N-S-QA	92.04881	7005723	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Chlorophenylphenyl ether
53-NW-N-S-QA	92.04881	218019	< 1900.		UG/KG	6/22/92	GPC CLEANED	Chrysene
53-NW-N-S-QA	92.04881	84742	< 1900.		UG/KG	6/22/92	GPC CLEANED	Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S-QA	92.04881	117840	< 1900.		UG/KG	6/22/92	GPC CLEANED	Di-n-octyl phthalate
53-NW-N-S-QA	92.04881	53703	< 1900.		UG/KG	6/22/92	GPC CLEANED	Dibenzo[a,h]anthracene
53-NW-N-S-QA	92.04881	132649	< 1900.		UG/KG	6/22/92	GPC CLEANED	Dibenzofuran
53-NW-N-S-QA	92.04881	95501	< 1900.		UG/KG	6/22/92	GPC CLEANED	o-Dichlorobenzene (1,2)
53-NW-N-S-QA	92.04881	541731	< 1900.		UG/KG	6/22/92	GPC CLEANED	m-Dichlorobenzene (1,3)
53-NW-N-S-QA	92.04881	106467	< 1900.		UG/KG	6/22/92	GPC CLEANED	p-Dichlorobenzene (1,4)
53-NW-N-S-QA	92.04881	91941	< 1900.		UG/KG	6/22/92	GPC CLEANED	3,3'-Dichlorobenzidine
53-NW-N-S-QA	92.04881	120832	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dichlorophenol
53-NW-N-S-QA	92.04881	84662	< 1900.		UG/KG	6/22/92	GPC CLEANED	Diethyl phthalate
53-NW-N-S-QA	92.04881	131113	< 1900.		UG/KG	6/22/92	GPC CLEANED	Dimethyl phthalate
53-NW-N-S-QA	92.04881	105679	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dimethylphenol
53-NW-N-S-QA	92.04881	51285	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrophenol
53-NW-N-S-QA	92.04881	121142	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrotoluene
53-NW-N-S-QA	92.04881	606202	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,6-Dinitrotoluene
53-NW-N-S-QA	92.04881	206440	< 1900.		UG/KG	6/22/92	GPC CLEANED	Fluoranthene
53-NW-N-S-QA	92.04881	86737	< 1900.		UG/KG	6/22/92	GPC CLEANED	Fluorene
53-NW-N-S-QA	92.04881	118741	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobenzene
53-NW-N-S-QA	92.04881	87683	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobutadiene
53-NW-N-S-QA	92.04881	77474	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachlorocyclopentadiene
53-NW-N-S-QA	92.04881	67721	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachloroethane
53-NW-N-S-QA	92.04881	193395	< 1900.		UG/KG	6/22/92	GPC CLEANED	Indeno[1,2,3-cd]pyrene
53-NW-N-S-QA	92.04881	78591	< 1900.		UG/KG	6/22/92	GPC CLEANED	Isophorone
53-NW-N-S-QA	92.04881	534521	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Methyl-4,6-dinitrophenol
53-NW-N-S-QA	92.04881	91576	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Methylnaphthalene
53-NW-N-S-QA	92.04881	95487	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Methylphenol
53-NW-N-S-QA	92.04881	106445	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Methylphenol
53-NW-N-S-QA	92.04881	91203	< 1900.		UG/KG	6/22/92	GPC CLEANED	Naphthalene
53-NW-N-S-QA	92.04881	88744	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Nitroaniline
53-NW-N-S-QA	92.04881	99092	< 1900.		UG/KG	6/22/92	GPC CLEANED	3-Nitroaniline
53-NW-N-S-QA	92.04881	100016	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Nitroaniline
53-NW-N-S-QA	92.04881	98953	< 1900.		UG/KG	6/22/92	GPC CLEANED	Nitrobenzene
53-NW-N-S-QA	92.04881	88755	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Nitrophenol
53-NW-N-S-QA	92.04881	100027	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Nitrophenol
53-NW-N-S-QA	92.04881	621647	< 1900.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodi-n-propylamine
53-NW-N-S-QA	92.04881	62759	< 1900.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodimethylamine
53-NW-N-S-QA	92.04881	86306	< 1900.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-N-S-QA	92.04881	87865	< 1900.		UG/KG	6/22/92	GPC CLEANED	Pentachlorophenol
53-NW-N-S-QA	92.04881	85018	< 1900.		UG/KG	6/22/92	GPC CLEANED	Phenanthrene
53-NW-N-S-QA	92.04881	108952	< 1900.		UG/KG	6/22/92	GPC CLEANED	Phenol
53-NW-N-S-QA	92.04881	129000	< 1900.		UG/KG	6/22/92	GPC CLEANED	Pyrene
53-NW-N-S-QA	92.04881	120821	< 1900.		UG/KG	6/22/92	GPC CLEANED	1,2,4-Trichlorobenzene
53-NW-N-S-QA	92.04881	95954	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4,5-Trichlorophenol
53-NW-N-S-QA	92.04881	88062	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04881

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04882 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 5/19/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S	92.04882	83329	< 960.		UG/KG	6/22/92		Acenaphthene
53-NW-O-S	92.04882	208968	< 960.		UG/KG	6/22/92		Acenaphthylene
53-NW-O-S	92.04882	62533	< 960.		UG/KG	6/22/92		Aniline
53-NW-O-S	92.04882	120127	< 960.		UG/KG	6/22/92		Anthracene
53-NW-O-S	92.04882	103333	< 960.		UG/KG	6/22/92		Azobenzene
53-NW-O-S	92.04882	92875	< 960.		UG/KG	6/22/92		m-Benzidine
53-NW-O-S	92.04882	56553	< 960.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-O-S	92.04882	50328	< 960.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-O-S	92.04882	205992	< 960.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-O-S	92.04882	191242	< 960.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-O-S	92.04882	207089	< 960.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-O-S	92.04882	65850	< 960.		UG/KG	6/22/92		Benzoic acid
53-NW-O-S	92.04882	100516	< 960.		UG/KG	6/22/92		Benzyl alcohol
53-NW-O-S	92.04882	111911	< 960.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-O-S	92.04882	111444	< 960.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-O-S	92.04882	108601	< 960.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-O-S	92.04882	117817	1300.	390.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-O-S	92.04882	101553	< 960.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-O-S	92.04882	85687	< 960.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-O-S	92.04882	59507	< 960.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-O-S	92.04882	106478	< 960.		UG/KG	6/22/92		4-Chloroaniline
53-NW-O-S	92.04882	91587	< 960.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-O-S	92.04882	95578	< 960.		UG/KG	6/22/92		o-Chlorophenol
53-NW-O-S	92.04882	7005723	< 960.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-O-S	92.04882	218019	< 960.		UG/KG	6/22/92		Chrysene
53-NW-O-S	92.04882	84742	< 960.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S	92.04882	117840	< 960.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-O-S	92.04882	53703	< 960.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-O-S	92.04882	132649	< 960.		UG/KG	6/22/92		Dibenzofuran
53-NW-O-S	92.04882	95501	< 960.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-O-S	92.04882	541731	< 960.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-O-S	92.04882	106467	< 960.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-O-S	92.04882	91941	< 960.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-O-S	92.04882	120832	< 960.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-O-S	92.04882	84662	< 960.		UG/KG	6/22/92		Diethyl phthalate
53-NW-O-S	92.04882	131113	< 960.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-O-S	92.04882	105679	< 960.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-O-S	92.04882	51285	< 960.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-O-S	92.04882	121142	< 960.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-O-S	92.04882	606202	< 960.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-O-S	92.04882	206440	< 960.		UG/KG	6/22/92		Fluoranthene
53-NW-O-S	92.04882	86737	< 960.		UG/KG	6/22/92		Fluorene
53-NW-O-S	92.04882	118741	< 960.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-O-S	92.04882	87683	< 960.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-O-S	92.04882	77474	< 960.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-O-S	92.04882	67721	< 960.		UG/KG	6/22/92		Hexachloroethane
53-NW-O-S	92.04882	193395	< 960.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-O-S	92.04882	78591	< 960.		UG/KG	6/22/92		Isophorone
53-NW-O-S	92.04882	534521	< 960.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-O-S	92.04882	91576	< 960.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-O-S	92.04882	95487	< 960.		UG/KG	6/22/92		2-Methylphenol
53-NW-O-S	92.04882	106445	< 960.		UG/KG	6/22/92		4-Methylphenol
53-NW-O-S	92.04882	91203	< 960.		UG/KG	6/22/92		Naphthalene
53-NW-O-S	92.04882	88744	< 960.		UG/KG	6/22/92		2-Nitroaniline
53-NW-O-S	92.04882	99092	< 960.		UG/KG	6/22/92		3-Nitroaniline
53-NW-O-S	92.04882	100016	< 960.		UG/KG	6/22/92		4-Nitroaniline
53-NW-O-S	92.04882	98953	< 960.		UG/KG	6/22/92		Nitrobenzene
53-NW-O-S	92.04882	88755	< 960.		UG/KG	6/22/92		2-Nitrophenol
53-NW-O-S	92.04882	100027	< 960.		UG/KG	6/22/92		4-Nitrophenol
53-NW-O-S	92.04882	621647	< 960.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-O-S	92.04882	62759	< 960.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-O-S	92.04882	86306	< 960.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S	92.04882	87865	< 960.		UG/KG	6/22/92		Pentachlorophenol
53-NW-O-S	92.04882	85018	< 960.		UG/KG	6/22/92		Phenanthrene
53-NW-O-S	92.04882	108952	< 960.		UG/KG	6/22/92		Phenol
53-NW-O-S	92.04882	129000	< 960.		UG/KG	6/22/92		Pyrene
53-NW-O-S	92.04882	120821	< 960.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-O-S	92.04882	95954	< 960.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-O-S	92.04882	88062	< 960.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04882

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04883 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 5/20/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S-QA	92.04883	83329	< 970.		UG/KG	6/22/92		Acenaphthene
53-NW-O-S-QA	92.04883	208968	< 970.		UG/KG	6/22/92		Acenaphthylene
53-NW-O-S-QA	92.04883	62533	< 970.		UG/KG	6/22/92		Aniline
53-NW-O-S-QA	92.04883	120127	< 970.		UG/KG	6/22/92		Anthracene
53-NW-O-S-QA	92.04883	103333	< 970.		UG/KG	6/22/92		Azobenzene
53-NW-O-S-QA	92.04883	92875	< 970.		UG/KG	6/22/92		m-Benzidine
53-NW-O-S-QA	92.04883	56553	< 970.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-O-S-QA	92.04883	50328	< 970.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-O-S-QA	92.04883	205992	< 970.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-O-S-QA	92.04883	191242	< 970.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-O-S-QA	92.04883	207089	< 970.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-O-S-QA	92.04883	65850	< 970.		UG/KG	6/22/92		Benzoic acid
53-NW-O-S-QA	92.04883	100516	< 970.		UG/KG	6/22/92		Benzyl alcohol
53-NW-O-S-QA	92.04883	111911	< 970.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-O-S-QA	92.04883	111444	< 970.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-O-S-QA	92.04883	108601	< 970.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-O-S-QA	92.04883	117817	990.	297.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-O-S-QA	92.04883	101553	< 970.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-O-S-QA	92.04883	85687	< 970.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-O-S-QA	92.04883	59507	< 970.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-O-S-QA	92.04883	106478	< 970.		UG/KG	6/22/92		4-Chloroaniline
53-NW-O-S-QA	92.04883	91587	< 970.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-O-S-QA	92.04883	95578	< 970.		UG/KG	6/22/92		o-Chlorophenol
53-NW-O-S-QA	92.04883	7005723	< 970.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-O-S-QA	92.04883	218019	< 970.		UG/KG	6/22/92		Chrysene
53-NW-O-S-QA	92.04883	84742	< 970.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-0-S-QA	92.04883	117840	< 970.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-0-S-QA	92.04883	53703	< 970.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-0-S-QA	92.04883	132649	< 970.		UG/KG	6/22/92		Dibenzofuran
53-NW-0-S-QA	92.04883	95501	< 970.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-0-S-QA	92.04883	541731	< 970.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-0-S-QA	92.04883	106467	< 970.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-0-S-QA	92.04883	91941	< 970.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-0-S-QA	92.04883	120832	< 970.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-0-S-QA	92.04883	84662	< 970.		UG/KG	6/22/92		Diethyl phthalate
53-NW-0-S-QA	92.04883	131113	< 970.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-0-S-QA	92.04883	105679	< 970.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-0-S-QA	92.04883	51285	< 970.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-0-S-QA	92.04883	121142	< 970.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-0-S-QA	92.04883	606202	< 970.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-0-S-QA	92.04883	206440	< 970.		UG/KG	6/22/92		Fluoranthene
53-NW-0-S-QA	92.04883	86737	< 970.		UG/KG	6/22/92		Fluorene
53-NW-0-S-QA	92.04883	118741	< 970.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-0-S-QA	92.04883	87683	< 970.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-0-S-QA	92.04883	77474	< 970.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-0-S-QA	92.04883	67721	< 970.		UG/KG	6/22/92		Hexachloroethane
53-NW-0-S-QA	92.04883	193395	< 970.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-0-S-QA	92.04883	78591	< 970.		UG/KG	6/22/92		Isophorone
53-NW-0-S-QA	92.04883	534521	< 970.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-0-S-QA	92.04883	91576	< 970.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-0-S-QA	92.04883	95487	< 970.		UG/KG	6/22/92		2-Methylphenol
53-NW-0-S-QA	92.04883	106445	< 970.		UG/KG	6/22/92		4-Methylphenol
53-NW-0-S-QA	92.04883	91203	< 970.		UG/KG	6/22/92		Naphthalene
53-NW-0-S-QA	92.04883	88744	< 970.		UG/KG	6/22/92		2-Nitroaniline
53-NW-0-S-QA	92.04883	99092	< 970.		UG/KG	6/22/92		3-Nitroaniline
53-NW-0-S-QA	92.04883	100016	< 970.		UG/KG	6/22/92		4-Nitroaniline
53-NW-0-S-QA	92.04883	98953	< 970.		UG/KG	6/22/92		Nitrobenzene
53-NW-0-S-QA	92.04883	88755	< 970.		UG/KG	6/22/92		2-Nitrophenol
53-NW-0-S-QA	92.04883	100027	< 970.		UG/KG	6/22/92		4-Nitrophenol
53-NW-0-S-QA	92.04883	621647	< 970.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-0-S-QA	92.04883	62759	< 970.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-0-S-QA	92.04883	86306	< 970.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-S-QA	92.04883	87865	< 970.		UG/KG	6/22/92		Pentachlorophenol
53-NW-O-S-QA	92.04883	85018	< 970.		UG/KG	6/22/92		Phenanthrene
53-NW-O-S-QA	92.04883	108952	< 970.		UG/KG	6/22/92		Phenol
53-NW-O-S-QA	92.04883	129000	< 970.		UG/KG	6/22/92		Pyrene
53-NW-O-S-QA	92.04883	120821	< 970.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-O-S-QA	92.04883	95954	< 970.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-O-S-QA	92.04883	88062	< 970.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04883

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05219 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/25/92 Date Analyzed: 6/02/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-CBS-S	92.05219	83329	< 990.		UG/KG	6/22/92		Acenaphthene
53-NW-CBS-S	92.05219	208968	< 990.		UG/KG	6/22/92		Acenaphthylene
53-NW-CBS-S	92.05219	62533	< 990.		UG/KG	6/22/92		Aniline
53-NW-CBS-S	92.05219	120127	< 990.		UG/KG	6/22/92		Anthracene
53-NW-CBS-S	92.05219	103333	< 990.		UG/KG	6/22/92		Azobenzene
53-NW-CBS-S	92.05219	92875	< 990.		UG/KG	6/22/92		m-Benzidine
53-NW-CBS-S	92.05219	56553	< 990.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-CBS-S	92.05219	50328	< 990.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-CBS-S	92.05219	205992	< 990.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-CBS-S	92.05219	191242	< 990.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-CBS-S	92.05219	207089	< 990.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-CBS-S	92.05219	65850	< 990.		UG/KG	6/22/92		Benzoic acid
53-NW-CBS-S	92.05219	100516	< 990.		UG/KG	6/22/92		Benzyl alcohol
53-NW-CBS-S	92.05219	111911	< 990.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-CBS-S	92.05219	111444	< 990.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-CBS-S	92.05219	108601	< 990.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-CBS-S	92.05219	117817	1400.	420.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-CBS-S	92.05219	101553	< 990.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-CBS-S	92.05219	85687	< 990.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-CBS-S	92.05219	59507	< 990.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-CBS-S	92.05219	106478	< 990.		UG/KG	6/22/92		4-Chloroaniline
53-NW-CBS-S	92.05219	91587	< 990.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-CBS-S	92.05219	95578	< 990.		UG/KG	6/22/92		o-Chlorophenol
53-NW-CBS-S	92.05219	7005723	< 990.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-CBS-S	92.05219	218019	< 990.		UG/KG	6/22/92		Chrysene
53-NW-CBS-S	92.05219	84742	< 990.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-CBS-S	92.05219	117840	< 990.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-CBS-S	92.05219	53703	< 990.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-CBS-S	92.05219	132649	< 990.		UG/KG	6/22/92		Dibenzofuran
53-NW-CBS-S	92.05219	95501	< 990.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-CBS-S	92.05219	541731	< 990.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-CBS-S	92.05219	106467	< 990.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-CBS-S	92.05219	91941	< 990.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-CBS-S	92.05219	120832	< 990.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-CBS-S	92.05219	84662	< 990.		UG/KG	6/22/92		Diethyl phthalate
53-NW-CBS-S	92.05219	131113	< 990.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-CBS-S	92.05219	105679	< 990.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-CBS-S	92.05219	51285	< 990.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-CBS-S	92.05219	121142	< 990.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-CBS-S	92.05219	606202	< 990.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-CBS-S	92.05219	206440	< 990.		UG/KG	6/22/92		Fluoranthene
53-NW-CBS-S	92.05219	86737	< 990.		UG/KG	6/22/92		Fluorene
53-NW-CBS-S	92.05219	118741	< 990.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-CBS-S	92.05219	87683	< 990.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-CBS-S	92.05219	77474	< 990.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-CBS-S	92.05219	67721	< 990.		UG/KG	6/22/92		Hexachloroethane
53-NW-CBS-S	92.05219	193395	< 990.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-CBS-S	92.05219	78591	< 990.		UG/KG	6/22/92		Isophorone
53-NW-CBS-S	92.05219	534521	< 990.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-CBS-S	92.05219	91576	< 990.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-CBS-S	92.05219	95487	< 990.		UG/KG	6/22/92		2-Methylphenol
53-NW-CBS-S	92.05219	106445	< 990.		UG/KG	6/22/92		4-Methylphenol
53-NW-CBS-S	92.05219	91203	< 990.		UG/KG	6/22/92		Naphthalene
53-NW-CBS-S	92.05219	88744	< 990.		UG/KG	6/22/92		2-Nitroaniline
53-NW-CBS-S	92.05219	99092	< 990.		UG/KG	6/22/92		3-Nitroaniline
53-NW-CBS-S	92.05219	100016	< 990.		UG/KG	6/22/92		4-Nitroaniline
53-NW-CBS-S	92.05219	98953	< 990.		UG/KG	6/22/92		Nitrobenzene
53-NW-CBS-S	92.05219	88755	< 990.		UG/KG	6/22/92		2-Nitrophenol
53-NW-CBS-S	92.05219	100027	< 990.		UG/KG	6/22/92		4-Nitrophenol
53-NW-CBS-S	92.05219	621647	< 990.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-CBS-S	92.05219	62759	< 990.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-CBS-S	92.05219	86306	< 990.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-CBS-S	92.05219	87865	< 990.		UG/KG	6/22/92		Pentachlorophenol
53-NW-CBS-S	92.05219	85018	< 990.		UG/KG	6/22/92		Phenanthrene
53-NW-CBS-S	92.05219	108952	< 990.		UG/KG	6/22/92		Phenol
53-NW-CBS-S	92.05219	129000	< 990.		UG/KG	6/22/92		Pyrene
53-NW-CBS-S	92.05219	120821	< 990.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-CBS-S	92.05219	95954	< 990.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-CBS-S	92.05219	88062	< 990.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05219

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.04959 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/19/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04959	83329	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthene
00.20227	92.04959	208968	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthylene
00.20227	92.04959	62533	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Aniline
00.20227	92.04959	120127	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Anthracene
00.20227	92.04959	103333	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Azobenzene
00.20227	92.04959	92875	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	m-Benzidine
00.20227	92.04959	56553	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]anthracene
00.20227	92.04959	50328	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]pyrene
00.20227	92.04959	205992	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[b]fluoranthene
00.20227	92.04959	191242	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20227	92.04959	207089	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20227	92.04959	65850	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzoic acid
00.20227	92.04959	100516	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzyl alcohol
00.20227	92.04959	111911	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20227	92.04959	111444	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20227	92.04959	108601	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20227	92.04959	117817	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20227	92.04959	101553	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20227	92.04959	85687	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Butyl benzyl phthalate
00.20227	92.04959	59507	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20227	92.04959	106478	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloroaniline

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04959	91587	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Chloronaphthalene
00.20227	92.04959	95578	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	o-Chlorophenol
00.20227	92.04959	7005723	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20227	92.04959	218019	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Chrysene
00.20227	92.04959	84742	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Di-n-butyl phthalate
00.20227	92.04959	117840	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Di-n-octyl phthalate
00.20227	92.04959	53703	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20227	92.04959	132649	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzofuran
00.20227	92.04959	95501	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.04959	541731	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.04959	106467	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.04959	91941	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20227	92.04959	120832	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dichlorophenol
00.20227	92.04959	84662	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Diethyl phthalate
00.20227	92.04959	131113	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dimethyl phthalate
00.20227	92.04959	105679	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dimethylphenol
00.20227	92.04959	51285	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrophenol
00.20227	92.04959	121142	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20227	92.04959	606202	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20227	92.04959	206440	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Fluoranthene
00.20227	92.04959	86737	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Fluorene
00.20227	92.04959	118741	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobenzene
00.20227	92.04959	87683	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobutadiene
00.20227	92.04959	77474	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorocyclopentadiene
00.20227	92.04959	67721	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachloroethane
00.20227	92.04959	193395	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20227	92.04959	78591	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Isophorone
00.20227	92.04959	534521	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20227	92.04959	91576	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylnaphthalene
00.20227	92.04959	95487	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylphenol
00.20227	92.04959	106445	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Methylphenol
00.20227	92.04959	91203	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Naphthalene
00.20227	92.04959	88744	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitroaniline
00.20227	92.04959	99092	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	3-Nitroaniline
00.20227	92.04959	100016	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitroaniline
00.20227	92.04959	98953	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Nitrobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04959	88755	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitrophenol
00.20227	92.04959	100027	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitrophenol
00.20227	92.04959	621647	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20227	92.04959	62759	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20227	92.04959	86306	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20227	92.04959	87865	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Pentachlorophenol
00.20227	92.04959	85018	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Phenanthrene
00.20227	92.04959	108952	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Phenol
00.20227	92.04959	129000	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Pyrene
00.20227	92.04959	120821	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20227	92.04959	95954	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20227	92.04959	88062	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4,6-Trichlorophenol

Blank Results, Sample # 92.04960 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 5/19/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04960	83329	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthene
00.20227	92.04960	208968	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthylene
00.20227	92.04960	62533	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Aniline
00.20227	92.04960	120127	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Anthracene
00.20227	92.04960	103333	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Azobenzene
00.20227	92.04960	92875	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	m-Benzidine
00.20227	92.04960	56553	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]anthracene
00.20227	92.04960	50328	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]pyrene
00.20227	92.04960	205992	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[b]fluoranthene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04960	191242	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20227	92.04960	207089	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20227	92.04960	65850	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzoic acid
00.20227	92.04960	100516	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzyl alcohol
00.20227	92.04960	111911	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20227	92.04960	111444	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20227	92.04960	108601	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20227	92.04960	117817	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20227	92.04960	101553	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20227	92.04960	85687	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Butyl benzyl phthalate
00.20227	92.04960	59507	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20227	92.04960	106478	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloroaniline
00.20227	92.04960	91587	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Chloronaphthalene
00.20227	92.04960	95578	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	o-Chlorophenol
00.20227	92.04960	7005723	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20227	92.04960	218019	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Chrysene
00.20227	92.04960	84742	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Di-n-butyl phthalate
00.20227	92.04960	117840	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Di-n-octyl phthalate
00.20227	92.04960	53703	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20227	92.04960	132649	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzofuran
00.20227	92.04960	95501	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.04960	541731	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.04960	106467	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.04960	91941	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20227	92.04960	120832	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dichlorophenol
00.20227	92.04960	84662	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Diethyl phthalate
00.20227	92.04960	131113	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dimethyl phthalate
00.20227	92.04960	105679	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dimethylphenol
00.20227	92.04960	51285	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrophenol
00.20227	92.04960	121142	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20227	92.04960	606202	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20227	92.04960	206440	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Fluoranthene
00.20227	92.04960	86737	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Fluorene
00.20227	92.04960	118741	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobenzene
00.20227	92.04960	87683	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobutadiene
00.20227	92.04960	77474	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorocyclopentadiene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.04960	67721	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachloroethane
00.20227	92.04960	193395	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20227	92.04960	78591	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Isophorone
00.20227	92.04960	534521	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20227	92.04960	91576	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylnaphthalene
00.20227	92.04960	95487	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylphenol
00.20227	92.04960	106445	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Methylphenol
00.20227	92.04960	91203	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Naphthalene
00.20227	92.04960	88744	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitroaniline
00.20227	92.04960	99092	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	3-Nitroaniline
00.20227	92.04960	100016	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitroaniline
00.20227	92.04960	98953	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Nitrobenzene
00.20227	92.04960	88755	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitrophenol
00.20227	92.04960	100027	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitrophenol
00.20227	92.04960	621647	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20227	92.04960	62759	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20227	92.04960	86306	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20227	92.04960	87865	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Pentachlorophenol
00.20227	92.04960	85018	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Phenanthrene
00.20227	92.04960	108952	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Phenol
00.20227	92.04960	129000	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Pyrene
00.20227	92.04960	120821	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20227	92.04960	95954	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20227	92.04960	88062	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4,6-Trichlorophenol

Blank Results, Sample # 92.08237 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 5/19/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.08237	83329	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.08237	208968	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthylene
00.20227	92.08237	62533	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Aniline
00.20227	92.08237	120127	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Anthracene
00.20227	92.08237	103333	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Azobenzene
00.20227	92.08237	92875	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	m-Benzidine
00.20227	92.08237	56553	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]anthracene
00.20227	92.08237	50328	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]pyrene
00.20227	92.08237	205992	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[b]fluoranthene
00.20227	92.08237	191242	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20227	92.08237	207089	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20227	92.08237	65850	620.	186.	UG/KG	0.0		6/22/92	OUT OF CONTROL	Benzoic acid
00.20227	92.08237	100516	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzyl alcohol
00.20227	92.08237	111911	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20227	92.08237	111444	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20227	92.08237	108601	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20227	92.08237	117817	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20227	92.08237	101553	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20227	92.08237	85687	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Butyl benzyl phthalate
00.20227	92.08237	59507	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20227	92.08237	106478	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloroaniline
00.20227	92.08237	91587	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Chloronaphthalene
00.20227	92.08237	95578	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	o-Chlorophenol
00.20227	92.08237	7005723	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20227	92.08237	218019	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Chrysene
00.20227	92.08237	84742	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Di-n-butyl phthalate
00.20227	92.08237	117840	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Di-n-octyl phthalate
00.20227	92.08237	53703	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20227	92.08237	132649	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzofuran
00.20227	92.08237	95501	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.08237	541731	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.08237	106467	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.08237	91941	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20227	92.08237	120832	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dichlorophenol
00.20227	92.08237	84662	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Diethyl phthalate
00.20227	92.08237	131113	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dimethyl phthalate
00.20227	92.08237	105679	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dimethylphenol

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.08237	51285	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrophenol
00.20227	92.08237	121142	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20227	92.08237	606202	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20227	92.08237	206440	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Fluoranthene
00.20227	92.08237	86737	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Fluorene
00.20227	92.08237	118741	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobenzene
00.20227	92.08237	87683	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobutadiene
00.20227	92.08237	77474	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorocyclopentadiene
00.20227	92.08237	67721	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachloroethane
00.20227	92.08237	193395	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20227	92.08237	78591	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Isophorone
00.20227	92.08237	534521	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20227	92.08237	91576	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylnaphthalene
00.20227	92.08237	95487	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylphenol
00.20227	92.08237	106445	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Methylphenol
00.20227	92.08237	91203	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Naphthalene
00.20227	92.08237	88744	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitroaniline
00.20227	92.08237	99092	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	3-Nitroaniline
00.20227	92.08237	100016	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitroaniline
00.20227	92.08237	98953	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Nitrobenzene
00.20227	92.08237	88755	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitrophenol
00.20227	92.08237	100027	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitrophenol
00.20227	92.08237	621647	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20227	92.08237	62759	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20227	92.08237	86306	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20227	92.08237	87865	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Pentachlorophenol
00.20227	92.08237	85018	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Phenanthrene
00.20227	92.08237	108952	1300.	390.	UG/KG	0.0		6/22/92	OUT OF CONTROL	Phenol
00.20227	92.08237	129000	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Pyrene
00.20227	92.08237	120821	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20227	92.08237	95954	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20227	92.08237	88062	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4,6-Trichlorophenol

Blank Results, Sample # 92.08238 Date Collected: 4/14/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 5/19/92

CUSTOMER	SAMPLE	ANALYTICAL	ANALYTICAL	QC	QC	COMPLETION	COMPOUND

NUMBER	NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	VALUE	UNCERTAINTY	DATE	COMMENT	NAME
00.20227	92.08238	83329	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.08238	208968	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthylene
00.20227	92.08238	62533	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Aniline
00.20227	92.08238	120127	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Anthracene
00.20227	92.08238	103333	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Azobenzene
00.20227	92.08238	92875	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	m-Benzidine
00.20227	92.08238	56553	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]anthracene
00.20227	92.08238	50328	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]pyrene
00.20227	92.08238	205992	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[b]fluoranthene
00.20227	92.08238	191242	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20227	92.08238	207089	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20227	92.08238	65850	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzoic acid
00.20227	92.08238	100516	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Benzyl alcohol
00.20227	92.08238	111911	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20227	92.08238	111444	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20227	92.08238	108601	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20227	92.08238	117817	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20227	92.08238	101553	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20227	92.08238	85687	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Butyl benzyl phthalate
00.20227	92.08238	59507	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20227	92.08238	106478	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloroaniline
00.20227	92.08238	91587	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Chloronaphthalene
00.20227	92.08238	95578	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	o-Chlorophenol
00.20227	92.08238	7005723	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20227	92.08238	218019	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Chrysene
00.20227	92.08238	84742	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Di-n-butyl phthalate
00.20227	92.08238	117840	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Di-n-octyl phthalate
00.20227	92.08238	53703	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20227	92.08238	132649	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzofuran
00.20227	92.08238	95501	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.08238	541731	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.08238	106467	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.08238	91941	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20227	92.08238	120832	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dichlorophenol
00.20227	92.08238	84662	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Diethyl phthalate
00.20227	92.08238	131113	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Dimethyl phthalate
00.20227	92.08238	105679	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dimethylphenol

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.08238	51285	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrophenol
00.20227	92.08238	121142	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20227	92.08238	606202	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20227	92.08238	206440	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Fluoranthene
00.20227	92.08238	86737	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Fluorene
00.20227	92.08238	118741	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobenzene
00.20227	92.08238	87683	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobutadiene
00.20227	92.08238	77474	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorocyclopentadiene
00.20227	92.08238	67721	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Hexachloroethane
00.20227	92.08238	193395	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20227	92.08238	78591	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Isophorone
00.20227	92.08238	534521	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20227	92.08238	91576	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylnaphthalene
00.20227	92.08238	95487	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylphenol
00.20227	92.08238	106445	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Methylphenol
00.20227	92.08238	91203	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Naphthalene
00.20227	92.08238	88744	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitroaniline
00.20227	92.08238	99092	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	3-Nitroaniline
00.20227	92.08238	100016	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitroaniline
00.20227	92.08238	98953	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Nitrobenzene
00.20227	92.08238	88755	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitrophenol
00.20227	92.08238	100027	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitrophenol
00.20227	92.08238	621647	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20227	92.08238	62759	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20227	92.08238	86306	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20227	92.08238	87865	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Pentachlorophenol
00.20227	92.08238	85018	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Phenanthrene
00.20227	92.08238	108952	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Phenol
00.20227	92.08238	129000	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	Pyrene
00.20227	92.08238	120821	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20227	92.08238	95954	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20227	92.08238	88062	< 330.		UG/KG	0.0		6/22/92	UNDER CONTROL	2,4,6-Trichlorophenol

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.04957 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/19/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.04957	83329	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthene
92.04957	208968	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Acenaphthylene
92.04957	62533	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Aniline
92.04957	120127	2.7	0.81	MG/KG	4.9	0.5	6/22/92	WARNING 2-3 SIG	Anthracene
92.04957	103333	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Azobenzene
92.04957	92875	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	m-Benzidine
92.04957	56553	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]anthracene
92.04957	50328	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[a]pyrene
92.04957	205992	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[b]fluoranthene
92.04957	191242	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[g,h,i]perylene
92.04957	207089	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Benzo[k]fluoranthene
92.04957	65850	3.	0.9	MG/KG	5.1	0.5	6/22/92	WARNING 2-3 SIG	Benzoic acid
92.04957	100516	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Benzyl alcohol
92.04957	111911	2.4	0.72	MG/KG	4.6	0.5	6/22/92	WARNING 2-3 SIG	Bis(2-chloroethoxy)methane
92.04957	111444	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethyl)ether
92.04957	108601	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
92.04957	117817	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
92.04957	101553	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	4-Bromophenylphenyl ether
92.04957	85687	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Butyl benzyl phthalate
92.04957	59507	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloro-3-methylphenol
92.04957	106478	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	4-Chloroaniline
92.04957	91587	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2-Chloronaphthalene
92.04957	95578	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	o-Chlorophenol
92.04957	7005723	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	4-Chlorophenylphenyl ether
92.04957	218019	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Chrysene
92.04957	84742	0.92	0.276	MG/KG	0.0		6/22/92	OUT OF CONTROL	Di-n-butyl phthalate

92.04957	117840	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Di-n-octyl phthalate
92.04957	53703	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzo[a,h]anthracene
92.04957	132649	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Dibenzofuran
92.04957	95501	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.04957	541731	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.04957	106467	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
92.04957	91941	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	3,3'-Dichlorobenzidine
92.04957	120832	2.5	0.75	MG/KG	5.1	0.5	6/22/92	WARNING 2-3 SIG	2,4-Dichlorophenol
92.04957	84662	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Diethyl phthalate
92.04957	131113	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Dimethyl phthalate
92.04957	105679	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dimethylphenol
92.04957	51285	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrophenol
92.04957	121142	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dinitrotoluene
92.04957	606202	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2,6-Dinitrotoluene
92.04957	206440	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Fluoranthene
92.04957	86737	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Fluorene
92.04957	118741	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobenzene
92.04957	87683	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorobutadiene
92.04957	77474	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Hexachlorocyclopentadiene
92.04957	67721	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Hexachloroethane
92.04957	193395	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
92.04957	78591	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Isophorone
92.04957	534521	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
92.04957	91576	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylnaphthalene
92.04957	95487	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylphenol
92.04957	106445	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	4-Methylphenol
92.04957	91203	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Naphthalene
92.04957	88744	2.5	0.75	MG/KG	4.7	0.5	6/22/92	WARNING 2-3 SIG	2-Nitroaniline
92.04957	99092	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	3-Nitroaniline
92.04957	100016	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitroaniline
92.04957	98953	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Nitrobenzene
92.04957	88755	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitrophenol
92.04957	100027	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	4-Nitrophenol
92.04957	621647	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
92.04957	62759	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodimethylamine
92.04957	86306	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodiphenylamine
92.04957	87865	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Pentachlorophenol
92.04957	85018	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Phenanthrene
92.04957	108952	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Phenol
92.04957	129000	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Pyrene
92.04957	120821	2.3	0.69	MG/KG	5.5	0.6	6/22/92	OUT OF CONTROL	1,2,4-Trichlorobenzene
92.04957	95954	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2,4,5-Trichlorophenol
92.04957	88062	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2,4,6-Trichlorophenol

Blind QC Results, Sample # 92.04958 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/25/92 Date Analyzed: 5/19/92

92.04958	62533	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Aniline
92.04958	65850	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Benzoic acid
92.04958	100516	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Benzyl alcohol
92.04958	111911	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
92.04958	111444	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroethyl)ether
92.04958	108601	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
92.04958	95578	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	o-Chlorophenol
92.04958	95501	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.04958	541731	0.55	0.165	MG/KG	1.5	0.2	6/22/92	OUT OF CONTROL	m-Dichlorobenzene (1,3)
92.04958	106467	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
92.04958	120832	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2,4-Dichlorophenol
92.04958	105679	0.42	0.126	MG/KG	1.1	0.1	6/22/92	OUT OF CONTROL	2,4-Dimethylphenol
92.04958	67721	< 0.33		MG/KG	1.5	0.2	6/22/92	OUT OF CONTROL	Hexachloroethane
92.04958	78591	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Isophorone
92.04958	95487	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2-Methylphenol
92.04958	106445	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	4-Methylphenol
92.04958	98953	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Nitrobenzene
92.04958	88755	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	2-Nitrophenol
92.04958	621647	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
92.04958	62759	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	N-Nitrosodimethylamine
92.04958	108952	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	Phenol
92.04958	120821	< 0.33		MG/KG	0.0		6/22/92	UNDER CONTROL	1,2,4-Trichlorobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA SEMIVOLATILES

Surrogate 1 = 2-Fluorophenol (CAS # = 367124)
Surrogate 2 = Phenol-d5 (CAS # = 4165622)
Surrogate 3 = Nitrobenzene-d5 (CAS # = 4165600)
Surrogate 4 = 2-Fluorobiphenyl (CAS # = 321608)
Surrogate 5 = 2,4,6-Tribromophenol (CAS # = 118796)
Surrogate 6 = p-Terphenyl-d14 (CAS # =)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	Surrogate 4	Surrogate 5	Surrogate 6	COMPLETION DATE
92.04867	%	45.24	62.14	62.28	70.12	88.5	92.52	22-Jun-1992
92.04868	%	34.08	48.54	51.28	61.44	60.76	67.32	22-Jun-1992
92.04869	%	20.26	25.38	26.3	34.36	31.59	30.62	22-Jun-1992
92.04870	%	35.18	44.58	46.2	61.56	80.38	77.64	22-Jun-1992
92.04871	%	42.08	58.88	59.96	71.04	66.3	81.32	22-Jun-1992
92.04872	%	19.2	31.42	30.8	40.	94.86	47.92	22-Jun-1992
92.04873	%	35.48	53.	39.88	60.6	108.06	62.28	22-Jun-1992
92.04874	%	45.3	50.64	55.52	61.44	59.7	57.84	22-Jun-1992
92.04875	%	51.5	66.52	67.12	71.96	81.82	85.84	22-Jun-1992
92.04876	%	42.72	57.12	52.16	70.2	62.18	71.	22-Jun-1992
92.04877	%	47.44	58.	52.24	73.28	114.24	67.56	22-Jun-1992
92.04878	%	40.52	50.76	52.6	68.72	63.18	61.24	22-Jun-1992
92.04879	%	18.8	25.48	72.4	91.56	59.46	132.88	22-Jun-1992
92.04880	%	43.72	66.14	58.84	87.04	93.	87.2	22-Jun-1992
92.04881	%	29.76	46.22	42.04	54.88	58.58	65.6	22-Jun-1992
92.04882	%	32.98	45.02	44.	57.18	130.09	64.18	22-Jun-1992
92.04883	%	29.74	43.9	40.38	52.98	113.82	56.78	22-Jun-1992
92.04957	%	46.25	57.71	53.94	67.72	117.77	69.28	22-Jun-1992
92.04958	%	43.95	54.54	52.74	61.94	109.26	66.14	22-Jun-1992
92.04959	%	35.22	47.26	50.44	63.3	109.86	56.26	22-Jun-1992
92.04960	%	43.02	50.06	51.62	58.52	92.78	54.8	22-Jun-1992
92.05219	%	31.02	47.83	43.46	59.68	89.9	73.52	22-Jun-1992
92.08237	%	52.36	54.3	62.36	66.86	69.52	59.86	22-Jun-1992
92.08238	%	58.76	64.32	75.62	75.18	90.79	64.34	22-Jun-1992

EPA Limits:

Water	%	21 - 100	10 - 94	35 - 114	43 - 116	10 - 123	33 - 141
Soil	%	25 - 121	24 - 113	23 - 120	30 - 115	19 - 122	18 - 137

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14323				
	Analyst	Reviewer	Section Leader	QA Officer
	6/24/92	6/24/92	6/30/92	7-1-92
	Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04867 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-A-S	92.04867	83329	< 1900.		UG/KG	6/22/92		Acenaphthene
53-NW-A-S	92.04867	208968	< 1900.		UG/KG	6/22/92		Acenaphthylene
53-NW-A-S	92.04867	62533	< 1900.		UG/KG	6/22/92		Aniline
53-NW-A-S	92.04867	120127	< 1900.		UG/KG	6/22/92		Anthracene
53-NW-A-S	92.04867	103333	< 1900.		UG/KG	6/22/92		Azobenzene
53-NW-A-S	92.04867	92875	< 1900.		UG/KG	6/22/92		m-Benzidine
53-NW-A-S	92.04867	56553	< 1900.		UG/KG	6/22/92		Benzo[a]anthracene
53-NW-A-S	92.04867	50328	< 1900.		UG/KG	6/22/92		Benzo[a]pyrene
53-NW-A-S	92.04867	205992	< 1900.		UG/KG	6/22/92		Benzo[b]fluoranthene
53-NW-A-S	92.04867	191242	< 1900.		UG/KG	6/22/92		Benzo[g,h,i]perylene
53-NW-A-S	92.04867	207089	< 1900.		UG/KG	6/22/92		Benzo[k]fluoranthene
53-NW-A-S	92.04867	65850	4400.	1320.	UG/KG	6/22/92		Benzoic acid
53-NW-A-S	92.04867	100516	< 1900.		UG/KG	6/22/92		Benzyl alcohol
53-NW-A-S	92.04867	111911	< 1900.		UG/KG	6/22/92		Bis(2-chloroethoxy)methane
53-NW-A-S	92.04867	111444	< 1900.		UG/KG	6/22/92		Bis(2-chloroethyl)ether
53-NW-A-S	92.04867	108601	< 1900.		UG/KG	6/22/92		Bis(2-chloroisopropyl)ether
53-NW-A-S	92.04867	117817	6300.	1890.	UG/KG	6/22/92		Bis(2-ethylhexyl)phthalate
53-NW-A-S	92.04867	101553	< 1900.		UG/KG	6/22/92		4-Bromophenylphenyl ether
53-NW-A-S	92.04867	85687	< 1900.		UG/KG	6/22/92		Butyl benzyl phthalate
53-NW-A-S	92.04867	59507	< 1900.		UG/KG	6/22/92		4-Chloro-3-methylphenol
53-NW-A-S	92.04867	106478	< 1900.		UG/KG	6/22/92		4-Chloroaniline
53-NW-A-S	92.04867	91587	< 1900.		UG/KG	6/22/92		2-Chloronaphthalene
53-NW-A-S	92.04867	95578	< 1900.		UG/KG	6/22/92		o-Chlorophenol
53-NW-A-S	92.04867	7005723	< 1900.		UG/KG	6/22/92		4-Chlorophenylphenyl ether
53-NW-A-S	92.04867	218019	< 1900.		UG/KG	6/22/92		Chrysene
53-NW-A-S	92.04867	84742	< 1900.		UG/KG	6/22/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-A-S	92.04867	117840	< 1900.		UG/KG	6/22/92		Di-n-octyl phthalate
53-NW-A-S	92.04867	53703	< 1900.		UG/KG	6/22/92		Dibenzo[a,h]anthracene
53-NW-A-S	92.04867	132649	< 1900.		UG/KG	6/22/92		Dibenzofuran
53-NW-A-S	92.04867	95501	< 1900.		UG/KG	6/22/92		o-Dichlorobenzene (1,2)
53-NW-A-S	92.04867	541731	< 1900.		UG/KG	6/22/92		m-Dichlorobenzene (1,3)
53-NW-A-S	92.04867	106467	< 1900.		UG/KG	6/22/92		p-Dichlorobenzene (1,4)
53-NW-A-S	92.04867	91941	< 1900.		UG/KG	6/22/92		3,3'-Dichlorobenzidine
53-NW-A-S	92.04867	120832	< 1900.		UG/KG	6/22/92		2,4-Dichlorophenol
53-NW-A-S	92.04867	84662	< 1900.		UG/KG	6/22/92		Diethyl phthalate
53-NW-A-S	92.04867	131113	< 1900.		UG/KG	6/22/92		Dimethyl phthalate
53-NW-A-S	92.04867	105679	< 1900.		UG/KG	6/22/92		2,4-Dimethylphenol
53-NW-A-S	92.04867	51285	< 1900.		UG/KG	6/22/92		2,4-Dinitrophenol
53-NW-A-S	92.04867	121142	< 1900.		UG/KG	6/22/92		2,4-Dinitrotoluene
53-NW-A-S	92.04867	606202	< 1900.		UG/KG	6/22/92		2,6-Dinitrotoluene
53-NW-A-S	92.04867	206440	< 1900.		UG/KG	6/22/92		Fluoranthene
53-NW-A-S	92.04867	86737	< 1900.		UG/KG	6/22/92		Fluorene
53-NW-A-S	92.04867	118741	< 1900.		UG/KG	6/22/92		Hexachlorobenzene
53-NW-A-S	92.04867	87683	< 1900.		UG/KG	6/22/92		Hexachlorobutadiene
53-NW-A-S	92.04867	77474	< 1900.		UG/KG	6/22/92		Hexachlorocyclopentadiene
53-NW-A-S	92.04867	67721	< 1900.		UG/KG	6/22/92		Hexachloroethane
53-NW-A-S	92.04867	193395	< 1900.		UG/KG	6/22/92		Indeno[1,2,3-cd]pyrene
53-NW-A-S	92.04867	78591	< 1900.		UG/KG	6/22/92		Isophorone
53-NW-A-S	92.04867	534521	< 1900.		UG/KG	6/22/92		2-Methyl-4,6-dinitrophenol
53-NW-A-S	92.04867	91576	< 1900.		UG/KG	6/22/92		2-Methylnaphthalene
53-NW-A-S	92.04867	95487	< 1900.		UG/KG	6/22/92		2-Methylphenol
53-NW-A-S	92.04867	106445	< 1900.		UG/KG	6/22/92		4-Methylphenol
53-NW-A-S	92.04867	91203	< 1900.		UG/KG	6/22/92		Naphthalene
53-NW-A-S	92.04867	88744	< 1900.		UG/KG	6/22/92		2-Nitroaniline
53-NW-A-S	92.04867	99092	< 1900.		UG/KG	6/22/92		3-Nitroaniline
53-NW-A-S	92.04867	100016	< 1900.		UG/KG	6/22/92		4-Nitroaniline
53-NW-A-S	92.04867	98953	< 1900.		UG/KG	6/22/92		Nitrobenzene
53-NW-A-S	92.04867	88755	< 1900.		UG/KG	6/22/92		2-Nitrophenol
53-NW-A-S	92.04867	100027	< 1900.		UG/KG	6/22/92		4-Nitrophenol
53-NW-A-S	92.04867	621647	< 1900.		UG/KG	6/22/92		N-Nitrosodi-n-propylamine
53-NW-A-S	92.04867	62759	< 1900.		UG/KG	6/22/92		N-Nitrosodimethylamine
53-NW-A-S	92.04867	86306	< 1900.		UG/KG	6/22/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-A-S	92.04867	87865	< 1900.		UG/KG	6/22/92		Pentachlorophenol
53-NW-A-S	92.04867	85018	< 1900.		UG/KG	6/22/92		Phenanthrene
53-NW-A-S	92.04867	108952	< 1900.		UG/KG	6/22/92		Phenol
53-NW-A-S	92.04867	129000	< 1900.		UG/KG	6/22/92		Pyrene
53-NW-A-S	92.04867	120821	< 1900.		UG/KG	6/22/92		1,2,4-Trichlorobenzene
53-NW-A-S	92.04867	95954	< 1900.		UG/KG	6/22/92		2,4,5-Trichlorophenol
53-NW-A-S	92.04867	88062	< 1900.		UG/KG	6/22/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04867

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 24-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: ANTHONY LOMBARDO PROGRAM CODE: W21D NOTEBOOK: R7720 PAGE: 263

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04868 Date Collected: 4/13/92 Date Received: 4/14/92 Date Extracted: 4/23/92 Date Analyzed: 5/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-B-S	92.04868	83329	< 1900.		UG/KG	6/22/92	GPC CLEANED	Acenaphthene
53-NW-B-S	92.04868	208968	< 1900.		UG/KG	6/22/92	GPC CLEANED	Acenaphthylene
53-NW-B-S	92.04868	62533	< 1900.		UG/KG	6/22/92	GPC CLEANED	Aniline
53-NW-B-S	92.04868	120127	< 1900.		UG/KG	6/22/92	GPC CLEANED	Anthracene
53-NW-B-S	92.04868	103333	< 1900.		UG/KG	6/22/92	GPC CLEANED	Azobenzene
53-NW-B-S	92.04868	92875	< 1900.		UG/KG	6/22/92	GPC CLEANED	m-Benzidine
53-NW-B-S	92.04868	56553	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]anthracene
53-NW-B-S	92.04868	50328	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[a]pyrene
53-NW-B-S	92.04868	205992	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[b]fluoranthene
53-NW-B-S	92.04868	191242	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[g,h,i]perylene
53-NW-B-S	92.04868	207089	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzo[k]fluoranthene
53-NW-B-S	92.04868	65850	4200.	1260.	UG/KG	6/22/92	GPC CLEANED	Benzoic acid
53-NW-B-S	92.04868	100516	< 1900.		UG/KG	6/22/92	GPC CLEANED	Benzyl alcohol
53-NW-B-S	92.04868	111911	< 1900.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethoxy)methane
53-NW-B-S	92.04868	111444	< 1900.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroethyl)ether
53-NW-B-S	92.04868	108601	< 1900.		UG/KG	6/22/92	GPC CLEANED	Bis(2-chloroisopropyl)ether
53-NW-B-S	92.04868	117817	4300.	1290.	UG/KG	6/22/92	GPC CLEANED	Bis(2-ethylhexyl)phthalate
53-NW-B-S	92.04868	101553	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Bromophenylphenyl ether
53-NW-B-S	92.04868	85687	< 1900.		UG/KG	6/22/92	GPC CLEANED	Butyl benzyl phthalate
53-NW-B-S	92.04868	59507	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Chloro-3-methylphenol
53-NW-B-S	92.04868	106478	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Chloroaniline
53-NW-B-S	92.04868	91587	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Chloronaphthalene
53-NW-B-S	92.04868	95578	< 1900.		UG/KG	6/22/92	GPC CLEANED	o-Chlorophenol
53-NW-B-S	92.04868	7005723	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Chlorophenylphenyl ether
53-NW-B-S	92.04868	218019	< 1900.		UG/KG	6/22/92	GPC CLEANED	Chrysene
53-NW-B-S	92.04868	84742	< 1900.		UG/KG	6/22/92	GPC CLEANED	Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-B-S	92.04868	117840	< 1900.		UG/KG	6/22/92	GPC CLEANED	Di-n-octyl phthalate
53-NW-B-S	92.04868	53703	< 1900.		UG/KG	6/22/92	GPC CLEANED	Dibenzo[a,h]anthracene
53-NW-B-S	92.04868	132649	< 1900.		UG/KG	6/22/92	GPC CLEANED	Dibenzofuran
53-NW-B-S	92.04868	95501	< 1900.		UG/KG	6/22/92	GPC CLEANED	o-Dichlorobenzene (1,2)
53-NW-B-S	92.04868	541731	< 1900.		UG/KG	6/22/92	GPC CLEANED	m-Dichlorobenzene (1,3)
53-NW-B-S	92.04868	106467	< 1900.		UG/KG	6/22/92	GPC CLEANED	p-Dichlorobenzene (1,4)
53-NW-B-S	92.04868	91941	< 1900.		UG/KG	6/22/92	GPC CLEANED	3,3'-Dichlorobenzidine
53-NW-B-S	92.04868	120832	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dichlorophenol
53-NW-B-S	92.04868	84662	< 1900.		UG/KG	6/22/92	GPC CLEANED	Diethyl phthalate
53-NW-B-S	92.04868	131113	< 1900.		UG/KG	6/22/92	GPC CLEANED	Dimethyl phthalate
53-NW-B-S	92.04868	105679	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dimethylphenol
53-NW-B-S	92.04868	51285	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrophenol
53-NW-B-S	92.04868	121142	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,4-Dinitrotoluene
53-NW-B-S	92.04868	606202	< 1900.		UG/KG	6/22/92	GPC CLEANED	2,6-Dinitrotoluene
53-NW-B-S	92.04868	206440	< 1900.		UG/KG	6/22/92	GPC CLEANED	Fluoranthene
53-NW-B-S	92.04868	86737	< 1900.		UG/KG	6/22/92	GPC CLEANED	Fluorene
53-NW-B-S	92.04868	118741	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobenzene
53-NW-B-S	92.04868	87683	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachlorobutadiene
53-NW-B-S	92.04868	77474	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachlorocyclopentadiene
53-NW-B-S	92.04868	67721	< 1900.		UG/KG	6/22/92	GPC CLEANED	Hexachloroethane
53-NW-B-S	92.04868	193395	< 1900.		UG/KG	6/22/92	GPC CLEANED	Indeno[1,2,3-cd]pyrene
53-NW-B-S	92.04868	78591	< 1900.		UG/KG	6/22/92	GPC CLEANED	Isophorone
53-NW-B-S	92.04868	534521	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Methyl-4,6-dinitrophenol
53-NW-B-S	92.04868	91576	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Methylnaphthalene
53-NW-B-S	92.04868	95487	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Methylphenol
53-NW-B-S	92.04868	106445	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Methylphenol
53-NW-B-S	92.04868	91203	< 1900.		UG/KG	6/22/92	GPC CLEANED	Naphthalene
53-NW-B-S	92.04868	88744	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Nitroaniline
53-NW-B-S	92.04868	99092	< 1900.		UG/KG	6/22/92	GPC CLEANED	3-Nitroaniline
53-NW-B-S	92.04868	100016	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Nitroaniline
53-NW-B-S	92.04868	98953	< 1900.		UG/KG	6/22/92	GPC CLEANED	Nitrobenzene
53-NW-B-S	92.04868	88755	< 1900.		UG/KG	6/22/92	GPC CLEANED	2-Nitrophenol
53-NW-B-S	92.04868	100027	< 1900.		UG/KG	6/22/92	GPC CLEANED	4-Nitrophenol
53-NW-B-S	92.04868	621647	< 1900.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodi-n-propylamine
53-NW-B-S	92.04868	62759	< 1900.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodimethylamine
53-NW-B-S	92.04868	86306	< 1900.		UG/KG	6/22/92	GPC CLEANED	N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-S-S	92.04991	1330207	< 5.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04991

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04992 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-T-S	92.04992	67641	< 28.		UG/KG	6/10/92		Acetone
53-NE-T-S	92.04992	71432	< 7.		UG/KG	6/10/92		Benzene
53-NE-T-S	92.04992	108861	< 7.		UG/KG	6/10/92		Bromobenzene
53-NE-T-S	92.04992	74975	< 7.		UG/KG	6/10/92		Bromochloromethane
53-NE-T-S	92.04992	75274	< 7.		UG/KG	6/10/92		Bromodichloromethane
53-NE-T-S	92.04992	75252	< 7.		UG/KG	6/10/92		Bromoform
53-NE-T-S	92.04992	74839	< 14.		UG/KG	6/10/92		Bromomethane
53-NE-T-S	92.04992	78933	< 28.		UG/KG	6/10/92		2-Butanone
53-NE-T-S	92.04992	104518	< 7.		UG/KG	6/10/92		n-Butylbenzene
53-NE-T-S	92.04992	135988	< 7.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-T-S	92.04992	98066	< 7.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-T-S	92.04992	75150	< 7.		UG/KG	6/10/92		Carbon disulfide
53-NE-T-S	92.04992	56235	< 7.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-T-S	92.04992	108907	< 7.		UG/KG	6/10/92		Chlorobenzene
53-NE-T-S	92.04992	124481	< 7.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-T-S	92.04992	75003	< 14.		UG/KG	6/10/92		Chloroethane
53-NE-T-S	92.04992	67663	11.	3.3	UG/KG	6/10/92		Chloroform
53-NE-T-S	92.04992	74873	< 14.		UG/KG	6/10/92		Chloromethane
53-NE-T-S	92.04992	95498	< 7.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-T-S	92.04992	106434	< 7.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-T-S	92.04992	96128	< 14.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-T-S	92.04992	106934	< 7.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-T-S	92.04992	74953	< 7.		UG/KG	6/10/92		Dibromomethane
53-NE-T-S	92.04992	95501	< 7.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-T-S	92.04992	541731	< 7.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-T-S	92.04992	106467	< 7.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-T-S	92.04992	75718	< 14.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-T-S	92.04992	75343	< 7.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-T-S	92.04992	107062	< 7.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-T-S	92.04992	75354	< 7.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-T-S	92.04992	156605	< 7.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-T-S	92.04992	156592	< 7.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-T-S	92.04992	78875	< 7.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-T-S	92.04992	142289	< 7.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-T-S	92.04992	594207	< 7.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-T-S	92.04992	563586	< 7.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-T-S	92.04992	10061015	< 7.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-T-S	92.04992	10061026	< 7.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-T-S	92.04992	100414	< 7.		UG/KG	6/10/92		Ethylbenzene
53-NE-T-S	92.04992	106934	< 7.		UG/KG	6/10/92		Ethylene dibromide
53-NE-T-S	92.04992	591786	< 28.		UG/KG	6/10/92		2-Hexanone
53-NE-T-S	92.04992	98828	< 7.		UG/KG	6/10/92		Isopropylbenzene
53-NE-T-S	92.04992	99876	< 7.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-T-S	92.04992	74884	< 7.		UG/KG	6/10/92		Methyl iodide
53-NE-T-S	92.04992	108101	< 28.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-T-S	92.04992	75092	< 7.		UG/KG	6/10/92		Methylene chloride
53-NE-T-S	92.04992	103651	< 7.		UG/KG	6/10/92		Propylbenzene
53-NE-T-S	92.04992	100425	< 7.		UG/KG	6/10/92		Styrene
53-NE-T-S	92.04992	630206	< 7.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-T-S	92.04992	79345	< 7.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-T-S	92.04992	127184	< 7.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-T-S	92.04992	108883	< 7.		UG/KG	6/10/92		Toluene
53-NE-T-S	92.04992	76131	< 7.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-T-S	92.04992	71556	< 7.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-T-S	92.04992	79005	< 7.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-T-S	92.04992	79016	< 7.		UG/KG	6/10/92		Trichloroethene
53-NE-T-S	92.04992	75694	< 7.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-T-S	92.04992	96184	< 7.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-T-S	92.04992	95636	< 7.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-T-S	92.04992	108678	< 7.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-T-S	92.04992	108054	< 14.		UG/KG	6/10/92		Vinyl acetate
53-NE-T-S	92.04992	75014	< 14.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-T-S	92.04992	1330207	< 7.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04992

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04993 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-U-S	92.04993	67641	< 20.		UG/KG	6/10/92		Acetone
53-NE-U-S	92.04993	71432	< 5.		UG/KG	6/10/92		Benzene
53-NE-U-S	92.04993	108861	< 5.		UG/KG	6/10/92		Bromobenzene
53-NE-U-S	92.04993	74975	< 5.		UG/KG	6/10/92		Bromochloromethane
53-NE-U-S	92.04993	75274	< 5.		UG/KG	6/10/92		Bromodichloromethane
53-NE-U-S	92.04993	75252	< 5.		UG/KG	6/10/92		Bromoform
53-NE-U-S	92.04993	74839	< 10.		UG/KG	6/10/92		Bromomethane
53-NE-U-S	92.04993	78933	< 20.		UG/KG	6/10/92		2-Butanone
53-NE-U-S	92.04993	104518	< 5.		UG/KG	6/10/92		n-Butylbenzene
53-NE-U-S	92.04993	135988	< 5.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-U-S	92.04993	98066	< 5.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-U-S	92.04993	75150	< 5.		UG/KG	6/10/92		Carbon disulfide
53-NE-U-S	92.04993	56235	< 5.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-U-S	92.04993	108907	< 5.		UG/KG	6/10/92		Chlorobenzene
53-NE-U-S	92.04993	124481	< 5.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-U-S	92.04993	75003	< 10.		UG/KG	6/10/92		Chloroethane
53-NE-U-S	92.04993	67663	< 5.		UG/KG	6/10/92		Chloroform
53-NE-U-S	92.04993	74873	< 10.		UG/KG	6/10/92		Chloromethane
53-NE-U-S	92.04993	95498	< 5.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-U-S	92.04993	106434	< 5.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-U-S	92.04993	96128	< 10.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-U-S	92.04993	106934	< 5.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-U-S	92.04993	74953	< 5.		UG/KG	6/10/92		Dibromomethane
53-NE-U-S	92.04993	95501	< 5.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-U-S	92.04993	541731	< 5.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-U-S	92.04993	106467	< 5.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-U-S	92.04993	75718	< 10.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-U-S	92.04993	75343	< 5.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-U-S	92.04993	107062	< 5.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-U-S	92.04993	75354	< 5.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-U-S	92.04993	156605	< 5.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-U-S	92.04993	156592	< 5.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-U-S	92.04993	78875	< 5.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-U-S	92.04993	142289	< 5.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-U-S	92.04993	594207	< 5.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-U-S	92.04993	563586	< 5.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-U-S	92.04993	10061015	< 5.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-U-S	92.04993	10061026	< 5.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-U-S	92.04993	100414	< 5.		UG/KG	6/10/92		Ethylbenzene
53-NE-U-S	92.04993	106934	< 5.		UG/KG	6/10/92		Ethylene dibromide
53-NE-U-S	92.04993	591786	< 20.		UG/KG	6/10/92		2-Hexanone
53-NE-U-S	92.04993	98828	< 5.		UG/KG	6/10/92		Isopropylbenzene
53-NE-U-S	92.04993	99876	< 5.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-U-S	92.04993	74884	< 5.		UG/KG	6/10/92		Methyl iodide
53-NE-U-S	92.04993	108101	< 20.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-U-S	92.04993	75092	< 5.		UG/KG	6/10/92		Methylene chloride
53-NE-U-S	92.04993	103651	< 5.		UG/KG	6/10/92		Propylbenzene
53-NE-U-S	92.04993	100425	< 5.		UG/KG	6/10/92		Styrene
53-NE-U-S	92.04993	630206	< 5.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-U-S	92.04993	79345	< 5.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-U-S	92.04993	127184	< 5.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-U-S	92.04993	108883	< 5.		UG/KG	6/10/92		Toluene
53-NE-U-S	92.04993	76131	< 5.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-U-S	92.04993	71556	< 5.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-U-S	92.04993	79005	< 5.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-U-S	92.04993	79016	< 5.		UG/KG	6/10/92		Trichloroethene
53-NE-U-S	92.04993	75694	< 5.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-U-S	92.04993	96184	< 5.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-U-S	92.04993	95636	< 5.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-U-S	92.04993	108678	< 5.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-U-S	92.04993	108054	< 10.		UG/KG	6/10/92		Vinyl acetate
53-NE-U-S	92.04993	75014	< 10.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-U-S	92.04993	1330207	< 5.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04993

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04994 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-V-S	92.04994	67641	< 20.		UG/KG	6/10/92		Acetone
53-NE-V-S	92.04994	71432	< 5.		UG/KG	6/10/92		Benzene
53-NE-V-S	92.04994	108861	< 5.		UG/KG	6/10/92		Bromobenzene
53-NE-V-S	92.04994	74975	< 5.		UG/KG	6/10/92		Bromochloromethane
53-NE-V-S	92.04994	75274	< 5.		UG/KG	6/10/92		Bromodichloromethane
53-NE-V-S	92.04994	75252	< 5.		UG/KG	6/10/92		Bromoform
53-NE-V-S	92.04994	74839	< 10.		UG/KG	6/10/92		Bromomethane
53-NE-V-S	92.04994	78933	< 20.		UG/KG	6/10/92		2-Butanone
53-NE-V-S	92.04994	104518	< 5.		UG/KG	6/10/92		n-Butylbenzene
53-NE-V-S	92.04994	135988	< 5.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-V-S	92.04994	98066	< 5.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-V-S	92.04994	75150	< 5.		UG/KG	6/10/92		Carbon disulfide
53-NE-V-S	92.04994	56235	< 5.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-V-S	92.04994	108907	< 5.		UG/KG	6/10/92		Chlorobenzene
53-NE-V-S	92.04994	124481	< 5.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-V-S	92.04994	75003	< 10.		UG/KG	6/10/92		Chloroethane
53-NE-V-S	92.04994	67663	< 5.		UG/KG	6/10/92		Chloroform
53-NE-V-S	92.04994	74873	< 10.		UG/KG	6/10/92		Chloromethane
53-NE-V-S	92.04994	95498	< 5.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-V-S	92.04994	106434	< 5.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-V-S	92.04994	96128	< 10.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-V-S	92.04994	106934	< 5.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-V-S	92.04994	74953	< 5.		UG/KG	6/10/92		Dibromomethane
53-NE-V-S	92.04994	95501	< 5.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-V-S	92.04994	541731	< 5.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-V-S	92.04994	106467	< 5.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-V-S	92.04994	75718	< 10.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-V-S	92.04994	75343	< 5.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-V-S	92.04994	107062	< 5.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-V-S	92.04994	75354	< 5.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-V-S	92.04994	156605	< 5.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-V-S	92.04994	156592	< 5.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-V-S	92.04994	78875	< 5.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-V-S	92.04994	142289	< 5.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-V-S	92.04994	594207	< 5.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-V-S	92.04994	563586	< 5.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-V-S	92.04994	10061015	< 5.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-V-S	92.04994	10061026	< 5.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-V-S	92.04994	100414	< 5.		UG/KG	6/10/92		Ethylbenzene
53-NE-V-S	92.04994	106934	< 5.		UG/KG	6/10/92		Ethylene dibromide
53-NE-V-S	92.04994	591786	< 20.		UG/KG	6/10/92		2-Hexanone
53-NE-V-S	92.04994	98828	< 5.		UG/KG	6/10/92		Isopropylbenzene
53-NE-V-S	92.04994	99876	< 5.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-V-S	92.04994	74884	< 5.		UG/KG	6/10/92		Methyl iodide
53-NE-V-S	92.04994	108101	< 20.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-V-S	92.04994	75092	< 5.		UG/KG	6/10/92		Methylene chloride
53-NE-V-S	92.04994	103651	< 5.		UG/KG	6/10/92		Propylbenzene
53-NE-V-S	92.04994	100425	< 5.		UG/KG	6/10/92		Styrene
53-NE-V-S	92.04994	630206	< 5.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-V-S	92.04994	79345	< 5.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-V-S	92.04994	127184	< 5.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-V-S	92.04994	108883	< 5.		UG/KG	6/10/92		Toluene
53-NE-V-S	92.04994	76131	< 5.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-V-S	92.04994	71556	< 5.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-V-S	92.04994	79005	< 5.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-V-S	92.04994	79016	< 5.		UG/KG	6/10/92		Trichloroethene
53-NE-V-S	92.04994	75694	< 5.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-V-S	92.04994	96184	< 5.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-V-S	92.04994	95636	< 5.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-V-S	92.04994	108678	< 5.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-V-S	92.04994	108054	< 10.		UG/KG	6/10/92		Vinyl acetate
53-NE-V-S	92.04994	75014	< 10.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-V-S	92.04994	1330207	< 5.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04994

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04995 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S	92.04995	67641	< 20.		UG/KG	6/10/92		Acetone
53-NE-W-S	92.04995	71432	< 5.		UG/KG	6/10/92		Benzene
53-NE-W-S	92.04995	108861	< 5.		UG/KG	6/10/92		Bromobenzene
53-NE-W-S	92.04995	74975	< 5.		UG/KG	6/10/92		Bromochloromethane
53-NE-W-S	92.04995	75274	< 5.		UG/KG	6/10/92		Bromodichloromethane
53-NE-W-S	92.04995	75252	< 5.		UG/KG	6/10/92		Bromoform
53-NE-W-S	92.04995	74839	< 10.		UG/KG	6/10/92		Bromomethane
53-NE-W-S	92.04995	78933	< 20.		UG/KG	6/10/92		2-Butanone
53-NE-W-S	92.04995	104518	< 5.		UG/KG	6/10/92		n-Butylbenzene
53-NE-W-S	92.04995	135988	< 5.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-W-S	92.04995	98066	< 5.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-W-S	92.04995	75150	< 5.		UG/KG	6/10/92		Carbon disulfide
53-NE-W-S	92.04995	56235	< 5.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-W-S	92.04995	108907	< 5.		UG/KG	6/10/92		Chlorobenzene
53-NE-W-S	92.04995	124481	< 5.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-W-S	92.04995	75003	< 10.		UG/KG	6/10/92		Chloroethane
53-NE-W-S	92.04995	67663	5.4	1.62	UG/KG	6/10/92		Chloroform
53-NE-W-S	92.04995	74873	< 10.		UG/KG	6/10/92		Chloromethane
53-NE-W-S	92.04995	95498	< 5.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-W-S	92.04995	106434	< 5.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-W-S	92.04995	96128	< 10.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-W-S	92.04995	106934	< 5.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-W-S	92.04995	74953	< 5.		UG/KG	6/10/92		Dibromomethane
53-NE-W-S	92.04995	95501	< 5.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-W-S	92.04995	541731	< 5.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-W-S	92.04995	106467	< 5.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S	92.04995	75718	< 10.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-W-S	92.04995	75343	< 5.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-W-S	92.04995	107062	< 5.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-W-S	92.04995	75354	< 5.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-W-S	92.04995	156605	< 5.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-W-S	92.04995	156592	< 5.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-W-S	92.04995	78875	< 5.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-W-S	92.04995	142289	< 5.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-W-S	92.04995	594207	< 5.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-W-S	92.04995	563586	< 5.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-W-S	92.04995	10061015	< 5.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-W-S	92.04995	10061026	< 5.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-W-S	92.04995	100414	< 5.		UG/KG	6/10/92		Ethylbenzene
53-NE-W-S	92.04995	106934	< 5.		UG/KG	6/10/92		Ethylene dibromide
53-NE-W-S	92.04995	591786	< 20.		UG/KG	6/10/92		2-Hexanone
53-NE-W-S	92.04995	98828	< 5.		UG/KG	6/10/92		Isopropylbenzene
53-NE-W-S	92.04995	99876	< 5.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-W-S	92.04995	74884	< 5.		UG/KG	6/10/92		Methyl iodide
53-NE-W-S	92.04995	108101	< 20.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-W-S	92.04995	75092	< 5.		UG/KG	6/10/92		Methylene chloride
53-NE-W-S	92.04995	103651	< 5.		UG/KG	6/10/92		Propylbenzene
53-NE-W-S	92.04995	100425	< 5.		UG/KG	6/10/92		Styrene
53-NE-W-S	92.04995	630206	< 5.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-W-S	92.04995	79345	< 5.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-W-S	92.04995	127184	< 5.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-W-S	92.04995	108883	< 5.		UG/KG	6/10/92		Toluene
53-NE-W-S	92.04995	76131	< 5.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-W-S	92.04995	71556	< 5.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-W-S	92.04995	79005	< 5.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-W-S	92.04995	79016	< 5.		UG/KG	6/10/92		Trichloroethene
53-NE-W-S	92.04995	75694	< 5.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-W-S	92.04995	96184	< 5.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-W-S	92.04995	95636	< 5.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-W-S	92.04995	108678	< 5.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-W-S	92.04995	108054	< 10.		UG/KG	6/10/92		Vinyl acetate
53-NE-W-S	92.04995	75014	< 10.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S	92.04995	1330207	< 5.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04995

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04996 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S-QA	92.04996	67641	< 20.		UG/KG	6/10/92		Acetone
53-NE-W-S-QA	92.04996	71432	< 5.		UG/KG	6/10/92		Benzene
53-NE-W-S-QA	92.04996	108861	< 5.		UG/KG	6/10/92		Bromobenzene
53-NE-W-S-QA	92.04996	74975	< 5.		UG/KG	6/10/92		Bromochloromethane
53-NE-W-S-QA	92.04996	75274	< 5.		UG/KG	6/10/92		Bromodichloromethane
53-NE-W-S-QA	92.04996	75252	< 5.		UG/KG	6/10/92		Bromoform
53-NE-W-S-QA	92.04996	74839	< 10.		UG/KG	6/10/92		Bromomethane
53-NE-W-S-QA	92.04996	78933	< 20.		UG/KG	6/10/92		2-Butanone
53-NE-W-S-QA	92.04996	104518	< 5.		UG/KG	6/10/92		n-Butylbenzene
53-NE-W-S-QA	92.04996	135988	< 5.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-W-S-QA	92.04996	98066	< 5.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-W-S-QA	92.04996	75150	< 5.		UG/KG	6/10/92		Carbon disulfide
53-NE-W-S-QA	92.04996	56235	< 5.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-W-S-QA	92.04996	108907	< 5.		UG/KG	6/10/92		Chlorobenzene
53-NE-W-S-QA	92.04996	124481	< 5.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-W-S-QA	92.04996	75003	< 10.		UG/KG	6/10/92		Chloroethane
53-NE-W-S-QA	92.04996	67663	< 5.		UG/KG	6/10/92		Chloroform
53-NE-W-S-QA	92.04996	74873	< 10.		UG/KG	6/10/92		Chloromethane
53-NE-W-S-QA	92.04996	95498	< 5.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-W-S-QA	92.04996	106434	< 5.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-W-S-QA	92.04996	96128	< 10.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-W-S-QA	92.04996	106934	< 5.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-W-S-QA	92.04996	74953	< 5.		UG/KG	6/10/92		Dibromomethane
53-NE-W-S-QA	92.04996	95501	< 5.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-W-S-QA	92.04996	541731	< 5.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-W-S-QA	92.04996	106467	< 5.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S-QA	92.04996	75718	< 10.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-W-S-QA	92.04996	75343	< 5.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-W-S-QA	92.04996	107062	< 5.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-W-S-QA	92.04996	75354	< 5.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-W-S-QA	92.04996	156605	< 5.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-W-S-QA	92.04996	156592	< 5.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-W-S-QA	92.04996	78875	< 5.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-W-S-QA	92.04996	142289	< 5.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-W-S-QA	92.04996	594207	< 5.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-W-S-QA	92.04996	563586	< 5.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-W-S-QA	92.04996	10061015	< 5.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-W-S-QA	92.04996	10061026	< 5.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-W-S-QA	92.04996	100414	< 5.		UG/KG	6/10/92		Ethylbenzene
53-NE-W-S-QA	92.04996	106934	< 5.		UG/KG	6/10/92		Ethylene dibromide
53-NE-W-S-QA	92.04996	591786	< 20.		UG/KG	6/10/92		2-Hexanone
53-NE-W-S-QA	92.04996	98828	< 5.		UG/KG	6/10/92		Isopropylbenzene
53-NE-W-S-QA	92.04996	99876	< 5.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-W-S-QA	92.04996	74884	< 5.		UG/KG	6/10/92		Methyl iodide
53-NE-W-S-QA	92.04996	108101	< 20.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-W-S-QA	92.04996	75092	< 5.		UG/KG	6/10/92		Methylene chloride
53-NE-W-S-QA	92.04996	103651	< 5.		UG/KG	6/10/92		Propylbenzene
53-NE-W-S-QA	92.04996	100425	< 5.		UG/KG	6/10/92		Styrene
53-NE-W-S-QA	92.04996	630206	< 5.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-W-S-QA	92.04996	79345	< 5.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-W-S-QA	92.04996	127184	< 5.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-W-S-QA	92.04996	108883	< 5.		UG/KG	6/10/92		Toluene
53-NE-W-S-QA	92.04996	76131	< 5.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-W-S-QA	92.04996	71556	< 5.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-W-S-QA	92.04996	79005	< 5.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-W-S-QA	92.04996	79016	< 5.		UG/KG	6/10/92		Trichloroethene
53-NE-W-S-QA	92.04996	75694	< 5.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-W-S-QA	92.04996	96184	< 5.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-W-S-QA	92.04996	95636	< 5.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-W-S-QA	92.04996	108678	< 5.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-W-S-QA	92.04996	108054	< 10.		UG/KG	6/10/92		Vinyl acetate
53-NE-W-S-QA	92.04996	75014	< 10.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-W-S-QA	92.04996	1330207	< 5.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04996

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04997 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/26/92 Date Analyzed: 4/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-X-S	92.04997	67641	66.	19.8	UG/KG	6/10/92		Acetone
53-NE-X-S	92.04997	71432	< 5.		UG/KG	6/10/92		Benzene
53-NE-X-S	92.04997	108861	< 5.		UG/KG	6/10/92		Bromobenzene
53-NE-X-S	92.04997	74975	< 5.		UG/KG	6/10/92		Bromochloromethane
53-NE-X-S	92.04997	75274	< 5.		UG/KG	6/10/92		Bromodichloromethane
53-NE-X-S	92.04997	75252	< 5.		UG/KG	6/10/92		Bromoform
53-NE-X-S	92.04997	74839	< 10.		UG/KG	6/10/92		Bromomethane
53-NE-X-S	92.04997	78933	< 20.		UG/KG	6/10/92		2-Butanone
53-NE-X-S	92.04997	104518	< 5.		UG/KG	6/10/92		n-Butylbenzene
53-NE-X-S	92.04997	135988	< 5.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-X-S	92.04997	98066	< 5.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-X-S	92.04997	75150	< 5.		UG/KG	6/10/92		Carbon disulfide
53-NE-X-S	92.04997	56235	< 5.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-X-S	92.04997	108907	< 5.		UG/KG	6/10/92		Chlorobenzene
53-NE-X-S	92.04997	124481	< 5.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-X-S	92.04997	75003	< 10.		UG/KG	6/10/92		Chloroethane
53-NE-X-S	92.04997	67663	< 5.		UG/KG	6/10/92		Chloroform
53-NE-X-S	92.04997	74873	< 10.		UG/KG	6/10/92		Chloromethane
53-NE-X-S	92.04997	95498	< 5.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-X-S	92.04997	106434	< 5.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-X-S	92.04997	96128	< 10.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-X-S	92.04997	106934	< 5.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-X-S	92.04997	74953	< 5.		UG/KG	6/10/92		Dibromomethane
53-NE-X-S	92.04997	95501	< 5.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-X-S	92.04997	541731	< 5.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-X-S	92.04997	106467	< 5.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-X-S	92.04997	75718	< 10.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-X-S	92.04997	75343	< 5.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-X-S	92.04997	107062	< 5.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-X-S	92.04997	75354	< 5.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-X-S	92.04997	156605	< 5.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-X-S	92.04997	156592	< 5.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-X-S	92.04997	78875	< 5.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-X-S	92.04997	142289	< 5.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-X-S	92.04997	594207	< 5.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-X-S	92.04997	563586	< 5.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-X-S	92.04997	10061015	< 5.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-X-S	92.04997	10061026	< 5.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-X-S	92.04997	100414	< 5.		UG/KG	6/10/92		Ethylbenzene
53-NE-X-S	92.04997	106934	< 5.		UG/KG	6/10/92		Ethylene dibromide
53-NE-X-S	92.04997	591786	< 20.		UG/KG	6/10/92		2-Hexanone
53-NE-X-S	92.04997	98828	< 5.		UG/KG	6/10/92		Isopropylbenzene
53-NE-X-S	92.04997	99876	< 5.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-X-S	92.04997	74884	< 5.		UG/KG	6/10/92		Methyl iodide
53-NE-X-S	92.04997	108101	< 20.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-X-S	92.04997	75092	< 5.		UG/KG	6/10/92		Methylene chloride
53-NE-X-S	92.04997	103651	< 5.		UG/KG	6/10/92		Propylbenzene
53-NE-X-S	92.04997	100425	< 5.		UG/KG	6/10/92		Styrene
53-NE-X-S	92.04997	630206	< 5.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-X-S	92.04997	79345	< 5.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-X-S	92.04997	127184	< 5.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-X-S	92.04997	108883	< 5.		UG/KG	6/10/92		Toluene
53-NE-X-S	92.04997	76131	< 5.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-X-S	92.04997	71556	< 5.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-X-S	92.04997	79005	< 5.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-X-S	92.04997	79016	< 5.		UG/KG	6/10/92		Trichloroethene
53-NE-X-S	92.04997	75694	< 5.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-X-S	92.04997	96184	< 5.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-X-S	92.04997	95636	< 5.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-X-S	92.04997	108678	< 5.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-X-S	92.04997	108054	< 10.		UG/KG	6/10/92		Vinyl acetate
53-NE-X-S	92.04997	75014	< 10.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-X-S	92.04997	1330207	< 5.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04997

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04998 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-S	92.04998	67641	< 20.		UG/KG	6/10/92		Acetone
53-NE-Y-S	92.04998	71432	< 5.		UG/KG	6/10/92		Benzene
53-NE-Y-S	92.04998	108861	< 5.		UG/KG	6/10/92		Bromobenzene
53-NE-Y-S	92.04998	74975	< 5.		UG/KG	6/10/92		Bromochloromethane
53-NE-Y-S	92.04998	75274	< 5.		UG/KG	6/10/92		Bromodichloromethane
53-NE-Y-S	92.04998	75252	< 5.		UG/KG	6/10/92		Bromoform
53-NE-Y-S	92.04998	74839	< 10.		UG/KG	6/10/92		Bromomethane
53-NE-Y-S	92.04998	78933	< 20.		UG/KG	6/10/92		2-Butanone
53-NE-Y-S	92.04998	104518	< 5.		UG/KG	6/10/92		n-Butylbenzene
53-NE-Y-S	92.04998	135988	< 5.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-Y-S	92.04998	98066	< 5.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-Y-S	92.04998	75150	< 5.		UG/KG	6/10/92		Carbon disulfide
53-NE-Y-S	92.04998	56235	< 5.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-Y-S	92.04998	108907	< 5.		UG/KG	6/10/92		Chlorobenzene
53-NE-Y-S	92.04998'	124481	< 5.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-Y-S	92.04998	75003	< 10.		UG/KG	6/10/92		Chloroethane
53-NE-Y-S	92.04998	67663	6.9	2.07	UG/KG	6/10/92		Chloroform
53-NE-Y-S	92.04998	74873	< 10.		UG/KG	6/10/92		Chloromethane
53-NE-Y-S	92.04998	95498	< 5.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-Y-S	92.04998	106434	< 5.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-Y-S	92.04998	96128	< 10.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-Y-S	92.04998	106934	< 5.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-Y-S	92.04998	74953	< 5.		UG/KG	6/10/92		Dibromomethane
53-NE-Y-S	92.04998	95501	< 5.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-Y-S	92.04998	541731	< 5.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-Y-S	92.04998	106467	< 5.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-S	92.04998	75718	< 10.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-Y-S	92.04998	75343	< 5.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-Y-S	92.04998	107062	< 5.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-Y-S	92.04998	75354	< 5.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-Y-S	92.04998	156605	< 5.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-Y-S	92.04998	156592	< 5.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-Y-S	92.04998	78875	< 5.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-Y-S	92.04998	142289	< 5.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-Y-S	92.04998	594207	< 5.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-Y-S	92.04998	563586	< 5.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-Y-S	92.04998	10061015	< 5.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-Y-S	92.04998	10061026	< 5.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-Y-S	92.04998	100414	< 5.		UG/KG	6/10/92		Ethylbenzene
53-NE-Y-S	92.04998	106934	< 5.		UG/KG	6/10/92		Ethylene dibromide
53-NE-Y-S	92.04998	591786	< 20.		UG/KG	6/10/92		2-Hexanone
53-NE-Y-S	92.04998	98828	< 5.		UG/KG	6/10/92		Isopropylbenzene
53-NE-Y-S	92.04998	99876	< 5.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-Y-S	92.04998	74884	< 5.		UG/KG	6/10/92		Methyl iodide
53-NE-Y-S	92.04998	108101	< 20.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-Y-S	92.04998	75092	< 5.		UG/KG	6/10/92		Methylene chloride
53-NE-Y-S	92.04998	103651	< 5.		UG/KG	6/10/92		Propylbenzene
53-NE-Y-S	92.04998	100425	< 5.		UG/KG	6/10/92		Styrene
53-NE-Y-S	92.04998	630206	< 5.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-Y-S	92.04998	79345	< 5.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-Y-S	92.04998	127184	< 5.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-Y-S	92.04998	108883	< 5.		UG/KG	6/10/92		Toluene
53-NE-Y-S	92.04998	76131	< 5.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-Y-S	92.04998	71556	< 5.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-Y-S	92.04998	79005	< 5.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-Y-S	92.04998	79016	< 5.		UG/KG	6/10/92		Trichloroethene
53-NE-Y-S	92.04998	75694	< 5.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-Y-S	92.04998	96184	< 5.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-Y-S	92.04998	95636	< 5.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-Y-S	92.04998	108678	< 5.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-Y-S	92.04998	108054	< 10.		UG/KG	6/10/92		Vinyl acetate
53-NE-Y-S	92.04998	75014	< 10.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-S	92.04998	1330207	< 5.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04998

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04999 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Z-S	92.04999	67641	170.	51.	UG/KG	6/10/92		Acetone
53-NE-Z-S	92.04999	71432	< 8.		UG/KG	6/10/92		Benzene
53-NE-Z-S	92.04999	108861	< 8.		UG/KG	6/10/92		Bromobenzene
53-NE-Z-S	92.04999	74975	< 8.		UG/KG	6/10/92		Bromochloromethane
53-NE-Z-S	92.04999	75274	< 8.		UG/KG	6/10/92		Bromodichloromethane
53-NE-Z-S	92.04999	75252	< 8.		UG/KG	6/10/92		Bromoform
53-NE-Z-S	92.04999	74839	< 16.		UG/KG	6/10/92		Bromomethane
53-NE-Z-S	92.04999	78933	< 32.		UG/KG	6/10/92		2-Butanone
53-NE-Z-S	92.04999	104518	< 8.		UG/KG	6/10/92		n-Butylbenzene
53-NE-Z-S	92.04999	135988	< 8.		UG/KG	6/10/92		sec-Butylbenzene
53-NE-Z-S	92.04999	98066	< 8.		UG/KG	6/10/92		tert-Butylbenzene
53-NE-Z-S	92.04999	75150	< 8.		UG/KG	6/10/92		Carbon disulfide
53-NE-Z-S	92.04999	56235	< 8.		UG/KG	6/10/92		Carbon tetrachloride
53-NE-Z-S	92.04999	108907	< 8.		UG/KG	6/10/92		Chlorobenzene
53-NE-Z-S	92.04999	124481	< 8.		UG/KG	6/10/92		Chlorodibromomethane
53-NE-Z-S	92.04999	75003	< 16.		UG/KG	6/10/92		Chloroethane
53-NE-Z-S	92.04999	67663	8.6	2.58	UG/KG	6/10/92		Chloroform
53-NE-Z-S	92.04999	74873	< 16.		UG/KG	6/10/92		Chloromethane
53-NE-Z-S	92.04999	95498	< 8.		UG/KG	6/10/92		o-Chlorotoluene
53-NE-Z-S	92.04999	106434	< 8.		UG/KG	6/10/92		p-Chlorotoluene
53-NE-Z-S	92.04999	96128	< 16.		UG/KG	6/10/92		1,2-Dibromo-3-chloropropane
53-NE-Z-S	92.04999	106934	< 8.		UG/KG	6/10/92		1,2-Dibromoethane
53-NE-Z-S	92.04999	74953	< 8.		UG/KG	6/10/92		Dibromomethane
53-NE-Z-S	92.04999	95501	< 8.		UG/KG	6/10/92		o-Dichlorobenzene (1,2)
53-NE-Z-S	92.04999	541731	< 8.		UG/KG	6/10/92		m-Dichlorobenzene (1,3)
53-NE-Z-S	92.04999	106467	< 8.		UG/KG	6/10/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Z-S	92.04999	75718	< 16.		UG/KG	6/10/92		Dichlorodifluoromethane
53-NE-Z-S	92.04999	75343	< 8.		UG/KG	6/10/92		1,1-Dichloroethane
53-NE-Z-S	92.04999	107062	< 8.		UG/KG	6/10/92		1,2-Dichloroethane
53-NE-Z-S	92.04999	75354	< 8.		UG/KG	6/10/92		1,1-Dichloroethene
53-NE-Z-S	92.04999	156605	< 8.		UG/KG	6/10/92		trans-1,2-Dichloroethene
53-NE-Z-S	92.04999	156592	< 8.		UG/KG	6/10/92		cis-1,2-Dichloroethylene
53-NE-Z-S	92.04999	78875	< 8.		UG/KG	6/10/92		1,2-Dichloropropane
53-NE-Z-S	92.04999	142289	< 8.		UG/KG	6/10/92		1,3-Dichloropropane
53-NE-Z-S	92.04999	594207	< 8.		UG/KG	6/10/92		2,2-Dichloropropane
53-NE-Z-S	92.04999	563586	< 8.		UG/KG	6/10/92		1,1-Dichloropropene
53-NE-Z-S	92.04999	10061015	< 8.		UG/KG	6/10/92		cis-1,3-Dichloropropene
53-NE-Z-S	92.04999	10061026	< 8.		UG/KG	6/10/92		trans-1,3-Dichloropropene
53-NE-Z-S	92.04999	100414	< 8.		UG/KG	6/10/92		Ethylbenzene
53-NE-Z-S	92.04999	106934	< 8.		UG/KG	6/10/92		Ethylene dibromide
53-NE-Z-S	92.04999	591786	< 32.		UG/KG	6/10/92		2-Hexanone
53-NE-Z-S	92.04999	98828	< 8.		UG/KG	6/10/92		Isopropylbenzene
53-NE-Z-S	92.04999	99876	< 8.		UG/KG	6/10/92		4-Isopropyltoluene
53-NE-Z-S	92.04999	74884	< 8.		UG/KG	6/10/92		Methyl iodide
53-NE-Z-S	92.04999	108101	< 32.		UG/KG	6/10/92		4-Methyl-2-pentanone
53-NE-Z-S	92.04999	75092	< 8.		UG/KG	6/10/92		Methylene chloride
53-NE-Z-S	92.04999	103651	< 8.		UG/KG	6/10/92		Propylbenzene
53-NE-Z-S	92.04999	100425	< 8.		UG/KG	6/10/92		Styrene
53-NE-Z-S	92.04999	630206	< 8.		UG/KG	6/10/92		1,1,1,2-Tetrachloroethane
53-NE-Z-S	92.04999	79345	< 8.		UG/KG	6/10/92		1,1,2,2-Tetrachloroethane
53-NE-Z-S	92.04999	127184	< 8.		UG/KG	6/10/92		Tetrachloroethylene
53-NE-Z-S	92.04999	108883	< 8.		UG/KG	6/10/92		Toluene
53-NE-Z-S	92.04999	76131	< 8.		UG/KG	6/10/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-Z-S	92.04999	71556	< 8.		UG/KG	6/10/92		1,1,1-Trichloroethane
53-NE-Z-S	92.04999	79005	< 8.		UG/KG	6/10/92		1,1,2-Trichloroethane
53-NE-Z-S	92.04999	79016	< 8.		UG/KG	6/10/92		Trichloroethene
53-NE-Z-S	92.04999	75694	< 8.		UG/KG	6/10/92		Trichlorofluoromethane
53-NE-Z-S	92.04999	96184	< 8.		UG/KG	6/10/92		1,2,3-Trichloropropane
53-NE-Z-S	92.04999	95636	< 8.		UG/KG	6/10/92		1,2,4-Trimethylbenzene
53-NE-Z-S	92.04999	108678	< 8.		UG/KG	6/10/92		1,3,5-Trimethylbenzene
53-NE-Z-S	92.04999	108054	< 16.		UG/KG	6/10/92		Vinyl acetate
53-NE-Z-S	92.04999	75014	< 16.		UG/KG	6/10/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Z-S	92.04999	1330207	< 8.		UG/KG	6/10/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.04999

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05001 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/22/92 Date Analyzed: 4/22/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-TBLK	92.05001	67641	< 20.		UG/KG	6/19/92		Acetone
53-NE-TBLK	92.05001	71432	< 5.		UG/KG	6/19/92		Benzene
53-NE-TBLK	92.05001	108861	< 5.		UG/KG	6/19/92		Bromobenzene
53-NE-TBLK	92.05001	74975	< 5.		UG/KG	6/19/92		Bromochloromethane
53-NE-TBLK	92.05001	75274	< 5.		UG/KG	6/19/92		Bromodichloromethane
53-NE-TBLK	92.05001	75252	< 5.		UG/KG	6/19/92		Bromoform
53-NE-TBLK	92.05001	74839	< 10.		UG/KG	6/19/92		Bromomethane
53-NE-TBLK	92.05001	78933	< 20.		UG/KG	6/19/92		2-Butanone
53-NE-TBLK	92.05001	104518	< 5.		UG/KG	6/19/92		n-Butylbenzene
53-NE-TBLK	92.05001	135988	< 5.		UG/KG	6/19/92		sec-Butylbenzene
53-NE-TBLK	92.05001	98066	< 5.		UG/KG	6/19/92		tert-Butylbenzene
53-NE-TBLK	92.05001	75150	< 5.		UG/KG	6/19/92		Carbon disulfide
53-NE-TBLK	92.05001	56235	< 5.		UG/KG	6/19/92		Carbon tetrachloride
53-NE-TBLK	92.05001	108907	< 5.		UG/KG	6/19/92		Chlorobenzene
53-NE-TBLK	92.05001	124481	< 5.		UG/KG	6/19/92		Chlorodibromomethane
53-NE-TBLK	92.05001	75003	< 10.		UG/KG	6/19/92		Chloroethane
53-NE-TBLK	92.05001	67663	< 5.		UG/KG	6/19/92		Chloroform
53-NE-TBLK	92.05001	74873	< 10.		UG/KG	6/19/92		Chloromethane
53-NE-TBLK	92.05001	95498	< 5.		UG/KG	6/19/92		o-Chlorotoluene
53-NE-TBLK	92.05001	106434	< 5.		UG/KG	6/19/92		p-Chlorotoluene
53-NE-TBLK	92.05001	96128	< 10.		UG/KG	6/19/92		1,2-Dibromo-3-chloropropane
53-NE-TBLK	92.05001	106934	< 5.		UG/KG	6/19/92		1,2-Dibromoethane
53-NE-TBLK	92.05001	74953	< 5.		UG/KG	6/19/92		Dibromomethane
53-NE-TBLK	92.05001	95501	< 5.		UG/KG	6/19/92		o-Dichlorobenzene (1,2)
53-NE-TBLK	92.05001	541731	< 5.		UG/KG	6/19/92		m-Dichlorobenzene (1,3)
53-NE-TBLK	92.05001	106467	< 5.		UG/KG	6/19/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-TBLK	92.05001	75718	< 10.		UG/KG	6/19/92		Dichlorodifluoromethane
53-NE-TBLK	92.05001	75343	< 5.		UG/KG	6/19/92		1,1-Dichloroethane
53-NE-TBLK	92.05001	107062	< 5.		UG/KG	6/19/92		1,2-Dichloroethane
53-NE-TBLK	92.05001	75354	< 5.		UG/KG	6/19/92		1,1-Dichloroethene
53-NE-TBLK	92.05001	156605	< 5.		UG/KG	6/19/92		trans-1,2-Dichloroethene
53-NE-TBLK	92.05001	156592	< 5.		UG/KG	6/19/92		cis-1,2-Dichloroethylene
53-NE-TBLK	92.05001	78875	< 5.		UG/KG	6/19/92		1,2-Dichloropropane
53-NE-TBLK	92.05001	142289	< 5.		UG/KG	6/19/92		1,3-Dichloropropane
53-NE-TBLK	92.05001	594207	< 5.		UG/KG	6/19/92		2,2-Dichloropropane
53-NE-TBLK	92.05001	563586	< 5.		UG/KG	6/19/92		1,1-Dichloropropene
53-NE-TBLK	92.05001	10061015	< 5.		UG/KG	6/19/92		cis-1,3-Dichloropropene
53-NE-TBLK	92.05001	10061026	< 5.		UG/KG	6/19/92		trans-1,3-Dichloropropene
53-NE-TBLK	92.05001	100414	< 5.		UG/KG	6/19/92		Ethylbenzene
53-NE-TBLK	92.05001	106934	< 5.		UG/KG	6/19/92		Ethylene dibromide
53-NE-TBLK	92.05001	591786	< 20.		UG/KG	6/19/92		2-Hexanone
53-NE-TBLK	92.05001	98828	< 5.		UG/KG	6/19/92		Isopropylbenzene
53-NE-TBLK	92.05001	99876	< 5.		UG/KG	6/19/92		4-Isopropyltoluene
53-NE-TBLK	92.05001	74884	< 5.		UG/KG	6/19/92		Methyl iodide
53-NE-TBLK	92.05001	108101	< 20.		UG/KG	6/19/92		4-Methyl-2-pentanone
53-NE-TBLK	92.05001	75092	< 5.		UG/KG	6/19/92		Methylene chloride
53-NE-TBLK	92.05001	103651	< 5.		UG/KG	6/19/92		Propylbenzene
53-NE-TBLK	92.05001	100425	< 5.		UG/KG	6/19/92		Styrene
53-NE-TBLK	92.05001	630206	< 5.		UG/KG	6/19/92		1,1,1,2-Tetrachloroethane
53-NE-TBLK	92.05001	79345	< 5.		UG/KG	6/19/92		1,1,2,2-Tetrachloroethane
53-NE-TBLK	92.05001	127184	< 5.		UG/KG	6/19/92		Tetrachloroethylene
53-NE-TBLK	92.05001	108883	< 5.		UG/KG	6/19/92		Toluene
53-NE-TBLK	92.05001	76131	< 5.		UG/KG	6/19/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-TBLK	92.05001	71556	< 5.		UG/KG	6/19/92		1,1,1-Trichloroethane
53-NE-TBLK	92.05001	79005	< 5.		UG/KG	6/19/92		1,1,2-Trichloroethane
53-NE-TBLK	92.05001	79016	< 5.		UG/KG	6/19/92		Trichloroethene
53-NE-TBLK	92.05001	75694	< 5.		UG/KG	6/19/92		Trichlorofluoromethane
53-NE-TBLK	92.05001	96184	< 5.		UG/KG	6/19/92		1,2,3-Trichloropropane
53-NE-TBLK	92.05001	95636	< 5.		UG/KG	6/19/92		1,2,4-Trimethylbenzene
53-NE-TBLK	92.05001	108678	< 5.		UG/KG	6/19/92		1,3,5-Trimethylbenzene
53-NE-TBLK	92.05001	108054	< 10.		UG/KG	6/19/92		Vinyl acetate
53-NE-TBLK	92.05001	75014	< 10.		UG/KG	6/19/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-TBLK	92.05001	1330207	< 5.		UG/KG	6/19/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05001

none

********** EM-9 ANALYTICAL REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05002 Date Collected: 4/14/92 Date Received: 4/15/92 Date Extracted: 4/22/92 Date Analyzed: 4/22/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-FBLK	92.05002	67641	< 20.		UG/KG	6/19/92		Acetone
53-NE-FBLK	92.05002	71432	< 5.		UG/KG	6/19/92		Benzene
53-NE-FBLK	92.05002	108861	< 5.		UG/KG	6/19/92		Bromobenzene
53-NE-FBLK	92.05002	74975	< 5.		UG/KG	6/19/92		Bromochloromethane
53-NE-FBLK	92.05002	75274	< 5.		UG/KG	6/19/92		Bromodichloromethane
53-NE-FBLK	92.05002	75252	< 5.		UG/KG	6/19/92		Bromoform
53-NE-FBLK	92.05002	74839	< 10.		UG/KG	6/19/92		Bromomethane
53-NE-FBLK	92.05002	78933	< 20.		UG/KG	6/19/92		2-Butanone
53-NE-FBLK	92.05002	104518	< 5.		UG/KG	6/19/92		n-Butylbenzene
53-NE-FBLK	92.05002	135988	< 5.		UG/KG	6/19/92		sec-Butylbenzene
53-NE-FBLK	92.05002	98066	< 5.		UG/KG	6/19/92		tert-Butylbenzene
53-NE-FBLK	92.05002	75150	< 5.		UG/KG	6/19/92		Carbon disulfide
53-NE-FBLK	92.05002	56235	< 5.		UG/KG	6/19/92		Carbon tetrachloride
53-NE-FBLK	92.05002	108907	< 5.		UG/KG	6/19/92		Chlorobenzene
53-NE-FBLK	92.05002	124481	< 5.		UG/KG	6/19/92		Chlorodibromomethane
53-NE-FBLK	92.05002	75003	< 10.		UG/KG	6/19/92		Chloroethane
53-NE-FBLK	92.05002	67663	< 5.		UG/KG	6/19/92		Chloroform
53-NE-FBLK	92.05002	74873	< 10.		UG/KG	6/19/92		Chloromethane
53-NE-FBLK	92.05002	95498	< 5.		UG/KG	6/19/92		o-Chlorotoluene
53-NE-FBLK	92.05002	106434	< 5.		UG/KG	6/19/92		p-Chlorotoluene
53-NE-FBLK	92.05002	96128	< 10.		UG/KG	6/19/92		1,2-Dibromo-3-chloropropane
53-NE-FBLK	92.05002	106934	< 5.		UG/KG	6/19/92		1,2-Dibromoethane
53-NE-FBLK	92.05002	74953	< 5.		UG/KG	6/19/92		Dibromomethane
53-NE-FBLK	92.05002	95501	< 5.		UG/KG	6/19/92		o-Dichlorobenzene (1,2)
53-NE-FBLK	92.05002	541731	< 5.		UG/KG	6/19/92		m-Dichlorobenzene (1,3)
53-NE-FBLK	92.05002	106467	< 5.		UG/KG	6/19/92		p-Dichlorobenzene (1,4)

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-FBLK	92.05002	75718	< 10.		UG/KG	6/19/92		Dichlorodifluoromethane
53-NE-FBLK	92.05002	75343	< 5.		UG/KG	6/19/92		1,1-Dichloroethane
53-NE-FBLK	92.05002	107062	< 5.		UG/KG	6/19/92		1,2-Dichloroethane
53-NE-FBLK	92.05002	75354	< 5.		UG/KG	6/19/92		1,1-Dichloroethene
53-NE-FBLK	92.05002	156605	< 5.		UG/KG	6/19/92		trans-1,2-Dichloroethene
53-NE-FBLK	92.05002	156592	< 5.		UG/KG	6/19/92		cis-1,2-Dichloroethylene
53-NE-FBLK	92.05002	78875	< 5.		UG/KG	6/19/92		1,2-Dichloropropane
53-NE-FBLK	92.05002	142289	< 5.		UG/KG	6/19/92		1,3-Dichloropropane
53-NE-FBLK	92.05002	594207	< 5.		UG/KG	6/19/92		2,2-Dichloropropane
53-NE-FBLK	92.05002	563586	< 5.		UG/KG	6/19/92		1,1-Dichloropropene
53-NE-FBLK	92.05002	10061015	< 5.		UG/KG	6/19/92		cis-1,3-Dichloropropene
53-NE-FBLK	92.05002	10061026	< 5.		UG/KG	6/19/92		trans-1,3-Dichloropropene
53-NE-FBLK	92.05002	100414	< 5.		UG/KG	6/19/92		Ethylbenzene
53-NE-FBLK	92.05002	106934	< 5.		UG/KG	6/19/92		Ethylene dibromide
53-NE-FBLK	92.05002	591786	< 20.		UG/KG	6/19/92		2-Hexanone
53-NE-FBLK	92.05002	98828	< 5.		UG/KG	6/19/92		Isopropylbenzene
53-NE-FBLK	92.05002	99876	< 5.		UG/KG	6/19/92		4-Isopropyltoluene
53-NE-FBLK	92.05002	74884	< 5.		UG/KG	6/19/92		Methyl iodide
53-NE-FBLK	92.05002	108101	< 20.		UG/KG	6/19/92		4-Methyl-2-pentanone
53-NE-FBLK	92.05002	75092	< 5.		UG/KG	6/19/92		Methylene chloride
53-NE-FBLK	92.05002	103651	< 5.		UG/KG	6/19/92		Propylbenzene
53-NE-FBLK	92.05002	100425	< 5.		UG/KG	6/19/92		Styrene
53-NE-FBLK	92.05002	630206	< 5.		UG/KG	6/19/92		1,1,1,2-Tetrachloroethane
53-NE-FBLK	92.05002	79345	< 5.		UG/KG	6/19/92		1,1,2,2-Tetrachloroethane
53-NE-FBLK	92.05002	127184	< 5.		UG/KG	6/19/92		Tetrachloroethylene
53-NE-FBLK	92.05002	108883	< 5.		UG/KG	6/19/92		Toluene
53-NE-FBLK	92.05002	76131	< 5.		UG/KG	6/19/92		1,1,2-Trichloro-1,2,2-trifluoroethane
53-NE-FBLK	92.05002	71556	< 5.		UG/KG	6/19/92		1,1,1-Trichloroethane
53-NE-FBLK	92.05002	79005	< 5.		UG/KG	6/19/92		1,1,2-Trichloroethane
53-NE-FBLK	92.05002	79016	< 5.		UG/KG	6/19/92		Trichloroethene
53-NE-FBLK	92.05002	75694	< 5.		UG/KG	6/19/92		Trichlorofluoromethane
53-NE-FBLK	92.05002	96184	< 5.		UG/KG	6/19/92		1,2,3-Trichloropropane
53-NE-FBLK	92.05002	95636	< 5.		UG/KG	6/19/92		1,2,4-Trimethylbenzene
53-NE-FBLK	92.05002	108678	< 5.		UG/KG	6/19/92		1,3,5-Trimethylbenzene
53-NE-FBLK	92.05002	108054	< 10.		UG/KG	6/19/92		Vinyl acetate
53-NE-FBLK	92.05002	75014	< 10.		UG/KG	6/19/92		Vinyl chloride

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-FBLK	92.05002	1330207	< 5.		UG/KG	6/19/92		Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 92.05002

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA VOLATILES Prepared by: LAT on 23-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: SUZANNE BELL PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: PTGC ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.05109 Date Collected: 4/15/92 Date Received: 4/15/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05109	67641	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	Acetone
00.20227	92.05109	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
00.20227	92.05109	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
00.20227	92.05109	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
00.20227	92.05109	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.05109	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
00.20227	92.05109	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
00.20227	92.05109	78933	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Butanone
00.20227	92.05109	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.05109	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.05109	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.05109	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
00.20227	92.05109	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.05109	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
00.20227	92.05109	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.05109	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
00.20227	92.05109	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
00.20227	92.05109	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
00.20227	92.05109	95498	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.05109	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.05109	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05109	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.05109	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
00.20227	92.05109	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05109	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05109	106467	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05109	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.05109	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.05109	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.05109	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.05109	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.05109	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.05109	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.05109	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.05109	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.05109	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.05109	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.05109	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.05109	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
00.20227	92.05109	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.05109	591786	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Hexanone
00.20227	92.05109	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.05109	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.05109	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
00.20227	92.05109	108101	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.05109	75092	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methylene chloride
00.20227	92.05109	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
00.20227	92.05109	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
00.20227	92.05109	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.05109	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.05109	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.05109	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
00.20227	92.05109	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.05109	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.05109	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.05109	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
00.20227	92.05109	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05109	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.05109	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.05109	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.05109	108054	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl acetate
00.20227	92.05109	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
00.20227	92.05109	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.05110 Date Collected: 4/15/92 Date Received: 4/15/92 Date Extracted: 4/25/92 Date Analyzed: 4/25/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05110	67641	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	Acetone
00.20227	92.05110	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
00.20227	92.05110	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
00.20227	92.05110	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
00.20227	92.05110	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.05110	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
00.20227	92.05110	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
00.20227	92.05110	78933	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Butanone
00.20227	92.05110	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.05110	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.05110	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.05110	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
00.20227	92.05110	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.05110	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
00.20227	92.05110	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05110	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
00.20227	92.05110	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
00.20227	92.05110	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
00.20227	92.05110	95498	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.05110	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.05110	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.05110	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.05110	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
00.20227	92.05110	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05110	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05110	106467	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05110	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.05110	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.05110	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.05110	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.05110	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.05110	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.05110	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.05110	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.05110	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.05110	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.05110	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.05110	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.05110	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
00.20227	92.05110	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.05110	591786	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Hexanone
00.20227	92.05110	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.05110	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.05110	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
00.20227	92.05110	108101	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.05110	75092	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methylene chloride
00.20227	92.05110	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
00.20227	92.05110	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
00.20227	92.05110	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.05110	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.05110	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05110	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
00.20227	92.05110	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.05110	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.05110	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.05110	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
00.20227	92.05110	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.05110	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.05110	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.05110	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.05110	108054	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl acetate
00.20227	92.05110	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
00.20227	92.05110	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.05111 Date Collected: 4/15/92 Date Received: 4/15/92 Date Extracted: 4/27/92 Date Analyzed: 4/27/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05111	67641	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	Acetone
00.20227	92.05111	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
00.20227	92.05111	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
00.20227	92.05111	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
00.20227	92.05111	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.05111	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
00.20227	92.05111	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
00.20227	92.05111	78933	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Butanone
00.20227	92.05111	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05111	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.05111	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.05111	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
00.20227	92.05111	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.05111	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
00.20227	92.05111	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.05111	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
00.20227	92.05111	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
00.20227	92.05111	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
00.20227	92.05111	95498	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.05111	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.05111	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.05111	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.05111	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
00.20227	92.05111	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05111	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05111	106467	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05111	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.05111	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.05111	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.05111	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.05111	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.05111	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.05111	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.05111	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.05111	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.05111	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.05111	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.05111	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.05111	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
00.20227	92.05111	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.05111	591786	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	2-Hexanone
00.20227	92.05111	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.05111	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.05111	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
00.20227	92.05111	108101	< 20.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Methyl-2-pentanone

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05111	75092	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methylene chloride
00.20227	92.05111	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
00.20227	92.05111	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
00.20227	92.05111	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.05111	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.05111	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.05111	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
00.20227	92.05111	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.05111	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.05111	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.05111	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
00.20227	92.05111	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.05111	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.05111	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.05111	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.05111	108054	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl acetate
00.20227	92.05111	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
00.20227	92.05111	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Results, Sample # 92.05112 Date Collected: 4/15/92 Date Received: 4/15/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05112	67641	< 20.		UG/KG	0.0		6/10/92	UNDER CONTROL	Acetone
00.20227	92.05112	71432	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Benzene
00.20227	92.05112	108861	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05112	74975	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromochloromethane
00.20227	92.05112	75274	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromodichloromethane
00.20227	92.05112	75252	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromoform
00.20227	92.05112	74839	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromomethane
00.20227	92.05112	78933	< 20.		UG/KG	0.0		6/10/92	UNDER CONTROL	2-Butanone
00.20227	92.05112	104518	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	n-Butylbenzene
00.20227	92.05112	135988	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	sec-Butylbenzene
00.20227	92.05112	98066	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	tert-Butylbenzene
00.20227	92.05112	75150	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Carbon disulfide
00.20227	92.05112	56235	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Carbon tetrachloride
00.20227	92.05112	108907	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chlorobenzene
00.20227	92.05112	124481	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chlorodibromomethane
00.20227	92.05112	75003	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloroethane
00.20227	92.05112	67663	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloroform
00.20227	92.05112	74873	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloromethane
00.20227	92.05112	95498	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	o-Chlorotoluene
00.20227	92.05112	106434	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	p-Chlorotoluene
00.20227	92.05112	96128	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	92.05112	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromoethane
00.20227	92.05112	74953	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dibromomethane
00.20227	92.05112	95501	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05112	541731	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05112	106467	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05112	75718	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dichlorodifluoromethane
00.20227	92.05112	75343	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethane
00.20227	92.05112	107062	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dichloroethane
00.20227	92.05112	75354	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethene
00.20227	92.05112	156605	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	92.05112	156592	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	92.05112	78875	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dichloropropane
00.20227	92.05112	142289	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3-Dichloropropane
00.20227	92.05112	594207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	2,2-Dichloropropane
00.20227	92.05112	563586	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloropropene
00.20227	92.05112	10061015	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	92.05112	10061026	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	92.05112	100414	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Ethylbenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05112	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Ethylene dibromide
00.20227	92.05112	591786	< 20.		UG/KG	0.0		6/10/92	UNDER CONTROL	2-Hexanone
00.20227	92.05112	98828	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Isopropylbenzene
00.20227	92.05112	99876	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	4-Isopropyltoluene
00.20227	92.05112	74884	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Methyl iodide
00.20227	92.05112	108101	< 20.		UG/KG	0.0		6/10/92	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	92.05112	75092	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Methylene chloride
00.20227	92.05112	103651	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Propylbenzene
00.20227	92.05112	100425	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Styrene
00.20227	92.05112	630206	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	92.05112	79345	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	92.05112	127184	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Tetrachloroethylene
00.20227	92.05112	108883	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Toluene
00.20227	92.05112	76131	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroetha
00.20227	92.05112	71556	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	92.05112	79005	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	92.05112	79016	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichloroethene
00.20227	92.05112	75694	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichlorofluoromethane
00.20227	92.05112	96184	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	92.05112	95636	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	92.05112	108678	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	92.05112	108054	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Vinyl acetate
00.20227	92.05112	75014	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Vinyl chloride
00.20227	92.05112	1330207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.04951 Date Collected: 4/15/92 Date Received: 4/15/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.04951	67641	79.	23.7	UG/KG	140.	14.	6/09/92	WARNING 2-3 SIG	Acetone
92.04951	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
92.04951	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
92.04951	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane
92.04951	75274	150.	45.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	Bromodichloromethane
92.04951	75252	160.	48.	UG/KG	170.	17.	6/09/92	UNDER CONTROL	Bromoform
92.04951	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
92.04951	78933	82.	24.6	UG/KG	150.	15.	6/09/92	WARNING 2-3 SIG	2-Butanone
92.04951	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
92.04951	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
92.04951	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
92.04951	75150	150.	45.	UG/KG	170.	17.	6/09/92	UNDER CONTROL	Carbon disulfide
92.04951	56235	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon tetrachloride
92.04951	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
92.04951	124481	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorodibromomethane
92.04951	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
92.04951	67663	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroform
92.04951	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
92.04951	95498	110.	33.	UG/KG	130.	13.	6/09/92	UNDER CONTROL	o-Chlorotoluene
92.04951	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
92.04951	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.04951	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
92.04951	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
92.04951	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.04951	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.04951	106467	85.	25.5	UG/KG	130.	13.	6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)

92.04951	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
92.04951	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
92.04951	107062	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloroethane
92.04951	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
92.04951	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.04951	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.04951	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
92.04951	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
92.04951	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
92.04951	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
92.04951	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.04951	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.04951	100414	140.	42.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	Ethylbenzene
92.04951	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
92.04951	591786	72.	21.6	UG/KG	130.	13.	6/09/92	WARNING 2-3 SIG	2-Hexanone
92.04951	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
92.04951	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
92.04951	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
92.04951	108101	100.	30.	UG/KG	140.	14.	6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
92.04951	75092	110.	33.	UG/KG	150.	15.	6/09/92	UNDER CONTROL	Methylene chloride
92.04951	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
92.04951	100425	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Styrene
92.04951	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
92.04951	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.04951	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
92.04951	108883	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Toluene
92.04951	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.04951	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
92.04951	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
92.04951	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
92.04951	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
92.04951	96184	140.	42.	UG/KG	170.	17.	6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
92.04951	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.04951	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.04951	108054	< 10.		UG/KG	140.	14.	6/09/92	OUT OF CONTROL	Vinyl acetate
92.04951	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
92.04951	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blind QC Results, Sample # 92.04952 Date Collected: 4/15/92 Date Received: 4/15/92 Date Extracted: 4/30/92 Date Analyzed: 4/30/92

92.04952	67641	100.	30.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	Acetone
92.04952	71432	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Benzene
92.04952	108861	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromobenzene
92.04952	74975	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromochloromethane

92.04952	75274	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromodichloromethane
92.04952	75252	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromoform
92.04952	74839	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Bromomethane
92.04952	78933	110.	33.	UG/KG	170.	17.	6/09/92	UNDER CONTROL	2-Butanone
92.04952	104518	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	n-Butylbenzene
92.04952	135988	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	sec-Butylbenzene
92.04952	98066	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	tert-Butylbenzene
92.04952	75150	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Carbon disulfide
92.04952	56235	160.	48.	UG/KG	150.	15.	6/09/92	UNDER CONTROL	Carbon tetrachloride
92.04952	108907	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chlorobenzene
92.04952	124481	110.	33.	UG/KG	120.	12.	6/09/92	UNDER CONTROL	Chlorodibromomethane
92.04952	75003	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloroethane
92.04952	67663	110.	33.	UG/KG	120.	12.	6/09/92	UNDER CONTROL	Chloroform
92.04952	74873	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Chloromethane
92.04952	95498	120.	36.	UG/KG	140.	14.	6/09/92	UNDER CONTROL	o-Chlorotoluene
92.04952	106434	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	p-Chlorotoluene
92.04952	96128	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.04952	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dibromoethane
92.04952	74953	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dibromomethane
92.04952	95501	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.04952	541731	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.04952	106467	97.	29.1	UG/KG	140.	14.	6/09/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
92.04952	75718	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Dichlorodifluoromethane
92.04952	75343	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethane
92.04952	107062	99.	29.7	UG/KG	110.	11.	6/09/92	UNDER CONTROL	1,2-Dichloroethane
92.04952	75354	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloroethene
92.04952	156605	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.04952	156592	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.04952	78875	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2-Dichloropropane
92.04952	142289	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3-Dichloropropane
92.04952	594207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	2,2-Dichloropropane
92.04952	563586	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1-Dichloropropene
92.04952	10061015	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.04952	10061026	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.04952	100414	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylbenzene
92.04952	106934	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Ethylene dibromide
92.04952	591786	86.	25.8	UG/KG	140.	14.	6/09/92	UNDER CONTROL	2-Hexanone
92.04952	98828	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Isopropylbenzene
92.04952	99876	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	4-Isopropyltoluene
92.04952	74884	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Methyl iodide
92.04952	108101	130.	39.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	4-Methyl-2-pentanone
92.04952	75092	130.	39.	UG/KG	160.	16.	6/09/92	UNDER CONTROL	Methylene chloride
92.04952	103651	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Propylbenzene
92.04952	100425	98.	29.4	UG/KG	120.	12.	6/09/92	UNDER CONTROL	Styrene
92.04952	630206	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane

92.04952	79345	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.04952	127184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Tetrachloroethylene
92.04952	108883	100.	30.	UG/KG	120.	12.	6/09/92	UNDER CONTROL	Toluene
92.04952	76131	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.04952	71556	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,1-Trichloroethane
92.04952	79005	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,1,2-Trichloroethane
92.04952	79016	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichloroethene
92.04952	75694	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Trichlorofluoromethane
92.04952	96184	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,3-Trichloropropane
92.04952	95636	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.04952	108678	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.04952	108054	< 10.		UG/KG	160.	16.	6/09/92	OUT OF CONTROL	Vinyl acetate
92.04952	75014	< 10.		UG/KG	0.0		6/09/92	UNDER CONTROL	Vinyl chloride
92.04952	1330207	< 5.		UG/KG	0.0		6/09/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blind QC Results, Sample # 92.05107 Date Collected: 4/15/92 Date Received: 4/15/92 Date Extracted: 4/22/92 Date Analyzed: 4/22/92

92.05107	67641	59.	17.7	UG/KG	160.	16.	6/10/92	OUT OF CONTROL	Acetone
92.05107	71432	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Benzene
92.05107	108861	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromobenzene
92.05107	74975	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromochloromethane
92.05107	75274	110.	33.	UG/KG	124.	12.	6/10/92	UNDER CONTROL	Bromodichloromethane
92.05107	75252	100.	30.	UG/KG	132.	13.	6/10/92	UNDER CONTROL	Bromoform
92.05107	74839	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromomethane
92.05107	78933	80.	24.	UG/KG	170.	17.	6/10/92	OUT OF CONTROL	2-Butanone
92.05107	104518	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	n-Butylbenzene
92.05107	135988	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	sec-Butylbenzene
92.05107	98066	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	tert-Butylbenzene
92.05107	75150	120.	36.	UG/KG	126.	13.	6/10/92	UNDER CONTROL	Carbon disulfide
92.05107	56235	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Carbon tetrachloride
92.05107	108907	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chlorobenzene
92.05107	124481	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chlorodibromomethane
92.05107	75003	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloroethane
92.05107	67663	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloroform
92.05107	74873	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloromethane
92.05107	95498	97.	29.1	UG/KG	143.	14.	6/10/92	UNDER CONTROL	o-Chlorotoluene
92.05107	106434	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	p-Chlorotoluene
92.05107	96128	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.05107	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromoethane
92.05107	74953	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dibromomethane
92.05107	95501	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05107	541731	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05107	106467	61.	18.3	UG/KG	140.	14.	6/10/92	OUT OF CONTROL	p-Dichlorobenzene (1,4)
92.05107	75718	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dichlorodifluoromethane

92.05107	75343	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethane
92.05107	107062	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dichloroethane
92.05107	75354	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethene
92.05107	156605	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.05107	156592	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.05107	78875	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dichloropropane
92.05107	142289	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3-Dichloropropane
92.05107	594207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	2,2-Dichloropropane
92.05107	563586	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloropropene
92.05107	10061015	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.05107	10061026	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.05107	100414	84.	25.2	UG/KG	122.	12.	6/10/92	UNDER CONTROL	Ethylbenzene
92.05107	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Ethylene dibromide
92.05107	591786	89.	26.7	UG/KG	144.	14.	6/10/92	UNDER CONTROL	2-Hexanone
92.05107	98828	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Isopropylbenzene
92.05107	99876	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	4-Isopropyltoluene
92.05107	74884	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Methyl iodide
92.05107	108101	100.	30.	UG/KG	158.	16.	6/10/92	UNDER CONTROL	4-Methyl-2-pentanone
92.05107	75092	130.	39.	UG/KG	162.	16.	6/10/92	UNDER CONTROL	Methylene chloride
92.05107	103651	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Propylbenzene
92.05107	100425	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Styrene
92.05107	630206	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
92.05107	79345	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane
92.05107	127184	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Tetrachloroethylene
92.05107	108883	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Toluene
92.05107	76131	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.05107	71556	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1-Trichloroethane
92.05107	79005	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloroethane
92.05107	79016	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichloroethene
92.05107	75694	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichlorofluoromethane
92.05107	96184	110.	33.	UG/KG	132.	13.	6/10/92	UNDER CONTROL	1,2,3-Trichloropropane
92.05107	95636	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.05107	108678	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.05107	108054	49.	14.7	UG/KG	160.	16.	6/10/92	OUT OF CONTROL	Vinyl acetate
92.05107	75014	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Vinyl chloride
92.05107	1330207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blind QC Results, Sample # 92.05108 Date Collected: 4/15/92 Date Received: 4/15/92 Date Extracted: 4/22/92 Date Analyzed: 4/22/92

92.05108	67641	84.	25.2	UG/KG	131.	13.	6/10/92	UNDER CONTROL	Acetone
92.05108	71432	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Benzene
92.05108	108861	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromobenzene
92.05108	74975	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromochloromethane
92.05108	75274	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromodichloromethane

92.051[illegible]	75252	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromoform
92.05108	74839	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Bromomethane
92.05108	78933	110.	33.	UG/KG	140.	14.	6/10/92	UNDER CONTROL	2-Butanone
92.05108	104518	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	n-Butylbenzene
92.05108	135988	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	sec-Butylbenzene
92.05108	98066	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	tert-Butylbenzene
92.05108	75150	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Carbon disulfide
92.05108	56235	190.	57.	UG/KG	183.	18.	6/10/92	UNDER CONTROL	Carbon tetrachloride
92.05108	108907	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chlorobenzene
92.05108	124481	130.	39.	UG/KG	137.	14.	6/10/92	UNDER CONTROL	Chlorodibromomethane
92.05108	75003	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloroethane
92.05108	67663	130.	39.	UG/KG	183.	18.	6/10/92	UNDER CONTROL	Chloroform
92.05108	74873	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Chloromethane
92.05108	95498	93.	27.9	UG/KG	117.	12.	6/10/92	UNDER CONTROL	o-Chlorotoluene
92.05108	106434	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	p-Chlorotoluene
92.05108	96128	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromo-3-chloropropane
92.05108	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dibromoethane
92.05108	74953	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dibromomethane
92.05108	95501	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05108	541731	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05108	106467	62.	18.6	UG/KG	114.	11.	6/10/92	WARNING 2-3 SIG	p-Dichlorobenzene (1,4)
92.05108	75718	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Dichlorodifluoromethane
92.05108	75343	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethane
92.05108	107062	130.	39.	UG/KG	137.	14.	6/10/92	UNDER CONTROL	1,2-Dichloroethane
92.05108	75354	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloroethene
92.05108	156605	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,2-Dichloroethene
92.05108	156592	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,2-Dichloroethylene
92.05108	78875	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2-Dichloropropane
92.05108	142289	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3-Dichloropropane
92.05108	594207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	2,2-Dichloropropane
92.05108	563586	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1-Dichloropropene
92.05108	10061015	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	cis-1,3-Dichloropropene
92.05108	10061026	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	trans-1,3-Dichloropropene
92.05108	100414	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Ethylbenzene
92.05108	106934	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Ethylene dibromide
92.05108	591786	120.	36.	UG/KG	118.	12.	6/10/92	UNDER CONTROL	2-Hexanone
92.05108	98828	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Isopropylbenzene
92.05108	99876	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	4-Isopropyltoluene
92.05108	74884	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Methyl iodide
92.05108	108101	130.	39.	UG/KG	130.	13.	6/10/92	UNDER CONTROL	4-Methyl-2-pentanone
92.05108	75092	120.	36.	UG/KG	133.	13.	6/10/92	UNDER CONTROL	Methylene chloride
92.05108	103651	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Propylbenzene
92.05108	100425	110.	33.	UG/KG	144.	14.	6/10/92	UNDER CONTROL	Styrene
92.05108	630206	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1,2-Tetrachloroethane
92.05108	79345	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2,2-Tetrachloroethane

92.05108	127184	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Tetrachloroethylene
92.05108	108883	120.	36.	UG/KG	138.	14.	6/10/92	UNDER CONTROL	Toluene
92.05108	76131	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
92.05108	71556	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,1-Trichloroethane
92.05108	79005	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,1,2-Trichloroethane
92.05108	79016	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichloroethene
92.05108	75694	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Trichlorofluoromethane
92.05108	96184	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2,3-Trichloropropane
92.05108	95636	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,2,4-Trimethylbenzene
92.05108	108678	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	1,3,5-Trimethylbenzene
92.05108	108054	67.	20.1	UG/KG	131.	13.	6/10/92	WARNING 2-3 SIG	Vinyl acetate
92.05108	75014	< 10.		UG/KG	0.0		6/10/92	UNDER CONTROL	Vinyl chloride
92.05108	1330207	< 5.		UG/KG	0.0		6/10/92	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA VOLATILES

Surrogate 1 = 1,2-Dichloroethane d4 (CAS # = 17060070)
Surrogate 2 = Toluene d8 (CAS # = 2037265)
Surrogate 3 = 4-Bromofluorobenzene (CAS # = 460004)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	COMPLETION DATE	SAMPLE TYPE
92.04876	%	101.12	106.62	103.5	9-Jun-1992	MS
92.04876	%	100.36	105.14	110.28	9-Jun-1992	MSD
92.04951	%	86.14	95.2	98.8	9-Jun-1992	
92.04952	%	87.98	97.6	96.78	9-Jun-1992	
92.04983	%	96.78	99.6	124.54	9-Jun-1992	
92.04984	%	103.7	102.18	108.52	9-Jun-1992	
92.04985	%	95.58	97.66	135.54	9-Jun-1992	
92.04986	%	100.02	101.04	119.52	9-Jun-1992	
92.04987	%	93.82	103.7	118.18	9-Jun-1992	
92.04988	%	108.62	105.84	103.28	9-Jun-1992	
92.04989	%	98.56	99.18	114.4	10-Jun-1992	
92.04990	%	111.18	102.88	98.76	10-Jun-1992	
92.04991	%	110.88	106.24	104.16	10-Jun-1992	
92.04992	%	101.3	103.02	117.38	10-Jun-1992	
92.04993	%	102.88	100.1	114.48	10-Jun-1992	
92.04994	%	108.82	102.44	103.68	10-Jun-1992	
92.04995	%	111.46	105.76	108.18	10-Jun-1992	
92.04996	%	97.44	98.08	114.46	10-Jun-1992	
92.04997	%	104.52	102.12	108.66	10-Jun-1992	
92.04998	%	97.2	97.06	107.04	10-Jun-1992	
92.04999	%	98.48	99.42	108.84	10-Jun-1992	
92.05001	%	100.46	102.42	101.04	19-Jun-1992	
92.05002	%	98.38	105.28	100.14	19-Jun-1992	
92.05107	%	92.64	100.94	101.7	10-Jun-1992	

********** EM-9 QUALITY ASSURANCE REPORT **********

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	COMPLETION DATE	SAMPLE TYPE
92.05108	%	95.86	102.18	96.6	10-Jun-1992	
92.05109	%	97.24	98.14	103.16	9-Jun-1992	B
92.05110	%	90.88	100.3	102.66	9-Jun-1992	B
92.05111	%	95.02	100.84	97.52	9-Jun-1992	B
92.05112	%	96.58	102.64	97.88	10-Jun-1992	B
EPA Limits:						
Water	%	76 - 114	88 - 110	86 - 115		
Soil	%	70 - 121	81 - 117	74 - 121		

REPORT NUMBER: 14311

Analyst	Reviewer	Section Leader	QA Officer
6/24/92	6/24/92	6/24/92	6/25/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04885 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/11/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W	92.04885	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-NW-O-W	92.04885	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-NW-O-W	92.04885	62533	< 11.		UG/L	6/18/92		Aniline
53-NW-O-W	92.04885	120127	< 11.		UG/L	6/18/92		Anthracene
53-NW-O-W	92.04885	103333	< 11.		UG/L	6/18/92		Azobenzene
53-NW-O-W	92.04885	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-NW-O-W	92.04885	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-NW-O-W	92.04885	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-NW-O-W	92.04885	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-NW-O-W	92.04885	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-NW-O-W	92.04885	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-NW-O-W	92.04885	65850	< 11.		UG/L	6/18/92		Benzoic acid
53-NW-O-W	92.04885	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-NW-O-W	92.04885	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-NW-O-W	92.04885	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-NW-O-W	92.04885	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-NW-O-W	92.04885	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-NW-O-W	92.04885	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-NW-O-W	92.04885	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-NW-O-W	92.04885	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-NW-O-W	92.04885	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-NW-O-W	92.04885	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-NW-O-W	92.04885	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-NW-O-W	92.04885	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-NW-O-W	92.04885	218019	< 11.		UG/L	6/18/92		Chrysene
53-NW-O-W	92.04885	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W	92.04885	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-NW-O-W	92.04885	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-NW-O-W	92.04885	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-NW-O-W	92.04885	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-NW-O-W	92.04885	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-NW-O-W	92.04885	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-NW-O-W	92.04885	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-NW-O-W	92.04885	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-NW-O-W	92.04885	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-NW-O-W	92.04885	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-NW-O-W	92.04885	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-NW-O-W	92.04885	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-NW-O-W	92.04885	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-NW-O-W	92.04885	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-NW-O-W	92.04885	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-NW-O-W	92.04885	86737	< 11.		UG/L	6/18/92		Fluorene
53-NW-O-W	92.04885	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-NW-O-W	92.04885	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-NW-O-W	92.04885	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-NW-O-W	92.04885	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-NW-O-W	92.04885	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-NW-O-W	92.04885	78591	< 11.		UG/L	6/18/92		Isophorone
53-NW-O-W	92.04885	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-NW-O-W	92.04885	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-NW-O-W	92.04885	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-NW-O-W	92.04885	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-NW-O-W	92.04885	91203	< 11.		UG/L	6/18/92		Naphthalene
53-NW-O-W	92.04885	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-NW-O-W	92.04885	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-NW-O-W	92.04885	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-NW-O-W	92.04885	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-NW-O-W	92.04885	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-NW-O-W	92.04885	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-NW-O-W	92.04885	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-NW-O-W	92.04885	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-NW-O-W	92.04885	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W	92.04885	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-NW-O-W	92.04885	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-NW-O-W	92.04885	108952	< 11.		UG/L	6/18/92		Phenol
53-NW-O-W	92.04885	129000	< 11.		UG/L	6/18/92		Pyrene
53-NW-O-W	92.04885	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-NW-O-W	92.04885	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-NW-O-W	92.04885	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04885

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.04886 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/11/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W-QA	92.04886	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-NW-O-W-QA	92.04886	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-NW-O-W-QA	92.04886	62533	< 11.		UG/L	6/18/92		Aniline
53-NW-O-W-QA	92.04886	120127	< 11.		UG/L	6/18/92		Anthracene
53-NW-O-W-QA	92.04886	103333	< 11.		UG/L	6/18/92		Azobenzene
53-NW-O-W-QA	92.04886	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-NW-O-W-QA	92.04886	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-NW-O-W-QA	92.04886	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-NW-O-W-QA	92.04886	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-NW-O-W-QA	92.04886	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-NW-O-W-QA	92.04886	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-NW-O-W-QA	92.04886	65850	< 11.		UG/L	6/18/92		Benzoic acid
53-NW-O-W-QA	92.04886	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-NW-O-W-QA	92.04886	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-NW-O-W-QA	92.04886	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-NW-O-W-QA	92.04886	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-NW-O-W-QA	92.04886	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-NW-O-W-QA	92.04886	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-NW-O-W-QA	92.04886	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-NW-O-W-QA	92.04886	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-NW-O-W-QA	92.04886	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-NW-O-W-QA	92.04886	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-NW-O-W-QA	92.04886	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-NW-O-W-QA	92.04886	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-NW-O-W-QA	92.04886	218019	< 11.		UG/L	6/18/92		Chrysene
53-NW-O-W-QA	92.04886	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W-QA	92.04886	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-NW-O-W-QA	92.04886	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-NW-O-W-QA	92.04886	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-NW-O-W-QA	92.04886	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-NW-O-W-QA	92.04886	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-NW-O-W-QA	92.04886	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-NW-O-W-QA	92.04886	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-NW-O-W-QA	92.04886	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-NW-O-W-QA	92.04886	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-NW-O-W-QA	92.04886	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-NW-O-W-QA	92.04886	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-NW-O-W-QA	92.04886	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-NW-O-W-QA	92.04886	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-NW-O-W-QA	92.04886	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-NW-O-W-QA	92.04886	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-NW-O-W-QA	92.04886	86737	< 11.		UG/L	6/18/92		Fluorene
53-NW-O-W-QA	92.04886	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-NW-O-W-QA	92.04886	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-NW-O-W-QA	92.04886	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-NW-O-W-QA	92.04886	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-NW-O-W-QA	92.04886	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-NW-O-W-QA	92.04886	78591	< 11.		UG/L	6/18/92		Isophorone
53-NW-O-W-QA	92.04886	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-NW-O-W-QA	92.04886	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-NW-O-W-QA	92.04886	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-NW-O-W-QA	92.04886	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-NW-O-W-QA	92.04886	91203	< 11.		UG/L	6/18/92		Naphthalene
53-NW-O-W-QA	92.04886	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-NW-O-W-QA	92.04886	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-NW-O-W-QA	92.04886	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-NW-O-W-QA	92.04886	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-NW-O-W-QA	92.04886	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-NW-O-W-QA	92.04886	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-NW-O-W-QA	92.04886	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-NW-O-W-QA	92.04886	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-NW-O-W-QA	92.04886	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W-QA	92.04886	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-NW-O-W-QA	92.04886	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-NW-O-W-QA	92.04886	108952	< 11.		UG/L	6/18/92		Phenol
53-NW-O-W-QA	92.04886	129000	< 11.		UG/L	6/18/92		Pyrene
53-NW-O-W-QA	92.04886	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-NW-O-W-QA	92.04886	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-NW-O-W-QA	92.04886	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.04886

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05003 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/11/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-EBK-W	92.05003	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-NW-EBK-W	92.05003	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-NW-EBK-W	92.05003	62533	< 11.		UG/L	6/18/92		Aniline
53-NW-EBK-W	92.05003	120127	< 11.		UG/L	6/18/92		Anthracene
53-NW-EBK-W	92.05003	103333	< 11.		UG/L	6/18/92		Azobenzene
53-NW-EBK-W	92.05003	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-NW-EBK-W	92.05003	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-NW-EBK-W	92.05003	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-NW-EBK-W	92.05003	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-NW-EBK-W	92.05003	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-NW-EBK-W	92.05003	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-NW-EBK-W	92.05003	65850	71.	21.3	UG/L	6/18/92		Benzoic acid
53-NW-EBK-W	92.05003	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-NW-EBK-W	92.05003	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-NW-EBK-W	92.05003	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-NW-EBK-W	92.05003	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-NW-EBK-W	92.05003	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-NW-EBK-W	92.05003	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-NW-EBK-W	92.05003	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-NW-EBK-W	92.05003	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-NW-EBK-W	92.05003	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-NW-EBK-W	92.05003	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-NW-EBK-W	92.05003	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-NW-EBK-W	92.05003	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-NW-EBK-W	92.05003	218019	< 11.		UG/L	6/18/92		Chrysene
53-NW-EBK-W	92.05003	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-EBK-W	92.05003	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-NW-EBK-W	92.05003	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-NW-EBK-W	92.05003	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-NW-EBK-W	92.05003	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-NW-EBK-W	92.05003	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-NW-EBK-W	92.05003	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-NW-EBK-W	92.05003	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-NW-EBK-W	92.05003	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-NW-EBK-W	92.05003	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-NW-EBK-W	92.05003	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-NW-EBK-W	92.05003	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-NW-EBK-W	92.05003	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-NW-EBK-W	92.05003	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-NW-EBK-W	92.05003	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-NW-EBK-W	92.05003	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-NW-EBK-W	92.05003	86737	< 11.		UG/L	6/18/92		Fluorene
53-NW-EBK-W	92.05003	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-NW-EBK-W	92.05003	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-NW-EBK-W	92.05003	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-NW-EBK-W	92.05003	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-NW-EBK-W	92.05003	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-NW-EBK-W	92.05003	78591	< 11.		UG/L	6/18/92		Isophorone
53-NW-EBK-W	92.05003	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-NW-EBK-W	92.05003	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-NW-EBK-W	92.05003	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-NW-EBK-W	92.05003	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-NW-EBK-W	92.05003	91203	< 11.		UG/L	6/18/92		Naphthalene
53-NW-EBK-W	92.05003	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-NW-EBK-W	92.05003	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-NW-EBK-W	92.05003	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-NW-EBK-W	92.05003	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-NW-EBK-W	92.05003	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-NW-EBK-W	92.05003	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-NW-EBK-W	92.05003	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-NW-EBK-W	92.05003	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-NW-EBK-W	92.05003	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-EBK-W	92.05003	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-NW-EBK-W	92.05003	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-NW-EBK-W	92.05003	108952	< 11.		UG/L	6/18/92		Phenol
53-NW-EBK-W	92.05003	129000	< 11.		UG/L	6/18/92		Pyrene
53-NW-EBK-W	92.05003	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-NW-EBK-W	92.05003	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-NW-EBK-W	92.05003	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05003

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05004 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/11/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W	92.05004	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-NE-Y-W	92.05004	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-NE-Y-W	92.05004	62533	< 11.		UG/L	6/18/92		Aniline
53-NE-Y-W	92.05004	120127	< 11.		UG/L	6/18/92		Anthracene
53-NE-Y-W	92.05004	103333	< 11.		UG/L	6/18/92		Azobenzene
53-NE-Y-W	92.05004	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-NE-Y-W	92.05004	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-NE-Y-W	92.05004	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-NE-Y-W	92.05004	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-NE-Y-W	92.05004	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-NE-Y-W	92.05004	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-NE-Y-W	92.05004	65850	< 11.		UG/L	6/18/92		Benzoic acid
53-NE-Y-W	92.05004	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-NE-Y-W	92.05004	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-NE-Y-W	92.05004	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-NE-Y-W	92.05004	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-NE-Y-W	92.05004	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-NE-Y-W	92.05004	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-NE-Y-W	92.05004	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-NE-Y-W	92.05004	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-NE-Y-W	92.05004	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-NE-Y-W	92.05004	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-NE-Y-W	92.05004	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-NE-Y-W	92.05004	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-NE-Y-W	92.05004	218019	< 11.		UG/L	6/18/92		Chrysene
53-NE-Y-W	92.05004	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W	92.05004	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-NE-Y-W	92.05004	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-NE-Y-W	92.05004	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-NE-Y-W	92.05004	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-NE-Y-W	92.05004	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-NE-Y-W	92.05004	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-NE-Y-W	92.05004	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-NE-Y-W	92.05004	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-NE-Y-W	92.05004	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-NE-Y-W	92.05004	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-NE-Y-W	92.05004	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-NE-Y-W	92.05004	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-NE-Y-W	92.05004	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-NE-Y-W	92.05004	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-NE-Y-W	92.05004	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-NE-Y-W	92.05004	86737	< 11.		UG/L	6/18/92		Fluorene
53-NE-Y-W	92.05004	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-NE-Y-W	92.05004	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-NE-Y-W	92.05004	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-NE-Y-W	92.05004	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-NE-Y-W	92.05004	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-NE-Y-W	92.05004	78591	< 11.		UG/L	6/18/92		Isophorone
53-NE-Y-W	92.05004	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-NE-Y-W	92.05004	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-NE-Y-W	92.05004	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-NE-Y-W	92.05004	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-NE-Y-W	92.05004	91203	< 11.		UG/L	6/18/92		Naphthalene
53-NE-Y-W	92.05004	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-NE-Y-W	92.05004	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-NE-Y-W	92.05004	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-NE-Y-W	92.05004	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-NE-Y-W	92.05004	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-NE-Y-W	92.05004	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-NE-Y-W	92.05004	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-NE-Y-W	92.05004	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-NE-Y-W	92.05004	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W	92.05004	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-NE-Y-W	92.05004	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-NE-Y-W	92.05004	108952	< 11.		UG/L	6/18/92		Phenol
53-NE-Y-W	92.05004	129000	< 11.		UG/L	6/18/92		Pyrene
53-NE-Y-W	92.05004	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-NE-Y-W	92.05004	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-NE-Y-W	92.05004	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05004

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05005 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/11/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W-QA	92.05005	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-NE-Y-W-QA	92.05005	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-NE-Y-W-QA	92.05005	62533	< 11.		UG/L	6/18/92		Aniline
53-NE-Y-W-QA	92.05005	120127	< 11.		UG/L	6/18/92		Anthracene
53-NE-Y-W-QA	92.05005	103333	< 11.		UG/L	6/18/92		Azobenzene
53-NE-Y-W-QA	92.05005	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-NE-Y-W-QA	92.05005	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-NE-Y-W-QA	92.05005	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-NE-Y-W-QA	92.05005	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-NE-Y-W-QA	92.05005	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-NE-Y-W-QA	92.05005	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-NE-Y-W-QA	92.05005	65850	< 11.		UG/L	6/18/92		Benzoic acid
53-NE-Y-W-QA	92.05005	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-NE-Y-W-QA	92.05005	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-NE-Y-W-QA	92.05005	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-NE-Y-W-QA	92.05005	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-NE-Y-W-QA	92.05005	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-NE-Y-W-QA	92.05005	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-NE-Y-W-QA	92.05005	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-NE-Y-W-QA	92.05005	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-NE-Y-W-QA	92.05005	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-NE-Y-W-QA	92.05005	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-NE-Y-W-QA	92.05005	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-NE-Y-W-QA	92.05005	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-NE-Y-W-QA	92.05005	218019	< 11.		UG/L	6/18/92		Chrysene
53-NE-Y-W-QA	92.05005	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W-QA	92.05005	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-NE-Y-W-QA	92.05005	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-NE-Y-W-QA	92.05005	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-NE-Y-W-QA	92.05005	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-NE-Y-W-QA	92.05005	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-NE-Y-W-QA	92.05005	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-NE-Y-W-QA	92.05005	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-NE-Y-W-QA	92.05005	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-NE-Y-W-QA	92.05005	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-NE-Y-W-QA	92.05005	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-NE-Y-W-QA	92.05005	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-NE-Y-W-QA	92.05005	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-NE-Y-W-QA	92.05005	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-NE-Y-W-QA	92.05005	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-NE-Y-W-QA	92.05005	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-NE-Y-W-QA	92.05005	86737	< 11.		UG/L	6/18/92		Fluorene
53-NE-Y-W-QA	92.05005	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-NE-Y-W-QA	92.05005	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-NE-Y-W-QA	92.05005	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-NE-Y-W-QA	92.05005	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-NE-Y-W-QA	92.05005	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-NE-Y-W-QA	92.05005	78591	< 11.		UG/L	6/18/92		Isophorone
53-NE-Y-W-QA	92.05005	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-NE-Y-W-QA	92.05005	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-NE-Y-W-QA	92.05005	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-NE-Y-W-QA	92.05005	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-NE-Y-W-QA	92.05005	91203	< 11.		UG/L	6/18/92		Naphthalene
53-NE-Y-W-QA	92.05005	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-NE-Y-W-QA	92.05005	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-NE-Y-W-QA	92.05005	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-NE-Y-W-QA	92.05005	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-NE-Y-W-QA	92.05005	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-NE-Y-W-QA	92.05005	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-NE-Y-W-QA	92.05005	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-NE-Y-W-QA	92.05005	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-NE-Y-W-QA	92.05005	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-Y-W-QA	92.05005	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-NE-Y-W-QA	92.05005	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-NE-Y-W-QA	92.05005	108952	< 11.		UG/L	6/18/92		Phenol
53-NE-Y-W-QA	92.05005	129000	< 11.		UG/L	6/18/92		Pyrene
53-NE-Y-W-QA	92.05005	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-NE-Y-W-QA	92.05005	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-NE-Y-W-QA	92.05005	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05005

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05006 Date Collected: 4/13/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/11/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-EBK-W	92.05006	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-NE-EBK-W	92.05006	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-NE-EBK-W	92.05006	62533	< 11.		UG/L	6/18/92		Aniline
53-NE-EBK-W	92.05006	120127	< 11.		UG/L	6/18/92		Anthracene
53-NE-EBK-W	92.05006	103333	< 11.		UG/L	6/18/92		Azobenzene
53-NE-EBK-W	92.05006	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-NE-EBK-W	92.05006	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-NE-EBK-W	92.05006	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-NE-EBK-W	92.05006	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-NE-EBK-W	92.05006	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-NE-EBK-W	92.05006	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-NE-EBK-W	92.05006	65850	61.	18.3	UG/L	6/18/92		Benzoic acid
53-NE-EBK-W	92.05006	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-NE-EBK-W	92.05006	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-NE-EBK-W	92.05006	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-NE-EBK-W	92.05006	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-NE-EBK-W	92.05006	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-NE-EBK-W	92.05006	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-NE-EBK-W	92.05006	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-NE-EBK-W	92.05006	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-NE-EBK-W	92.05006	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-NE-EBK-W	92.05006	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-NE-EBK-W	92.05006	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-NE-EBK-W	92.05006	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-NE-EBK-W	92.05006	218019	< 11.		UG/L	6/18/92		Chrysene
53-NE-EBK-W	92.05006	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-EBK-W	92.05006	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-NE-EBK-W	92.05006	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-NE-EBK-W	92.05006	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-NE-EBK-W	92.05006	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-NE-EBK-W	92.05006	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-NE-EBK-W	92.05006	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-NE-EBK-W	92.05006	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-NE-EBK-W	92.05006	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-NE-EBK-W	92.05006	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-NE-EBK-W	92.05006	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-NE-EBK-W	92.05006	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-NE-EBK-W	92.05006	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-NE-EBK-W	92.05006	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-NE-EBK-W	92.05006	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-NE-EBK-W	92.05006	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-NE-EBK-W	92.05006	86737	< 11.		UG/L	6/18/92		Fluorene
53-NE-EBK-W	92.05006	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-NE-EBK-W	92.05006	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-NE-EBK-W	92.05006	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-NE-EBK-W	92.05006	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-NE-EBK-W	92.05006	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-NE-EBK-W	92.05006	78591	< 11.		UG/L	6/18/92		Isophorone
53-NE-EBK-W	92.05006	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-NE-EBK-W	92.05006	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-NE-EBK-W	92.05006	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-NE-EBK-W	92.05006	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-NE-EBK-W	92.05006	91203	< 11.		UG/L	6/18/92		Naphthalene
53-NE-EBK-W	92.05006	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-NE-EBK-W	92.05006	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-NE-EBK-W	92.05006	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-NE-EBK-W	92.05006	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-NE-EBK-W	92.05006	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-NE-EBK-W	92.05006	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-NE-EBK-W	92.05006	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-NE-EBK-W	92.05006	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-NE-EBK-W	92.05006	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-EBK-W	92.05006	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-NE-EBK-W	92.05006	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-NE-EBK-W	92.05006	108952	< 11.		UG/L	6/18/92		Phenol
53-NE-EBK-W	92.05006	129000	< 11.		UG/L	6/18/92		Pyrene
53-NE-EBK-W	92.05006	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-NE-EBK-W	92.05006	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-NE-EBK-W	92.05006	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05006

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.05361 Date Collected: 4/14/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/08/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	83329	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Acenaphthene
00.20226	92.05361	208968	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Acenaphthylene
00.20226	92.05361	62533	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Aniline
00.20226	92.05361	120127	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Anthracene
00.20226	92.05361	103333	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Azobenzene
00.20226	92.05361	92875	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	m-Benzidine
00.20226	92.05361	56553	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[a]anthracene
00.20226	92.05361	50328	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[a]pyrene
00.20226	92.05361	205992	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[b]fluoranthene
00.20226	92.05361	191242	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20226	92.05361	207089	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20226	92.05361	65850	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzoic acid
00.20226	92.05361	100516	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzyl alcohol
00.20226	92.05361	111911	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20226	92.05361	111444	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20226	92.05361	108601	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20226	92.05361	117817	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20226	92.05361	101553	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20226	92.05361	85687	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Butyl benzyl phthalate
00.20226	92.05361	59507	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20226	92.05361	106478	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chloroaniline

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	91587	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Chloronaphthalene
00.20226	92.05361	95578	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	o-Chlorophenol
00.20226	92.05361	7005723	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20226	92.05361	218019	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Chrysene
00.20226	92.05361	84742	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Di-n-butyl phthalate
00.20226	92.05361	117840	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Di-n-octyl phthalate
00.20226	92.05361	53703	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20226	92.05361	132649	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Dibenzofuran
00.20226	92.05361	95501	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20226	92.05361	541731	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20226	92.05361	106467	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20226	92.05361	91941	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20226	92.05361	120832	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dichlorophenol
00.20226	92.05361	84662	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Diethyl phthalate
00.20226	92.05361	131113	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Dimethyl phthalate
00.20226	92.05361	105679	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dimethylphenol
00.20226	92.05361	51285	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dinitrophenol
00.20226	92.05361	121142	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20226	92.05361	606202	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20226	92.05361	206440	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Fluoranthene
00.20226	92.05361	86737	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Fluorene
00.20226	92.05361	118741	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorobenzene
00.20226	92.05361	87683	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorobutadiene
00.20226	92.05361	77474	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorocyclopentadiene
00.20226	92.05361	67721	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachloroethane
00.20226	92.05361	193395	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20226	92.05361	78591	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Isophorone
00.20226	92.05361	534521	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20226	92.05361	91576	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methylnaphthalene
00.20226	92.05361	95487	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methylphenol
00.20226	92.05361	106445	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Methylphenol
00.20226	92.05361	91203	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Naphthalene
00.20226	92.05361	88744	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Nitroaniline
00.20226	92.05361	99092	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	3-Nitroaniline
00.20226	92.05361	100016	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Nitroaniline
00.20226	92.05361	98953	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Nitrobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	88755	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Nitrophenol
00.20226	92.05361	100027	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Nitrophenol
00.20226	92.05361	621647	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20226	92.05361	62759	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20226	92.05361	86306	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20226	92.05361	87865	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Pentachlorophenol
00.20226	92.05361	85018	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Phenanthrene
00.20226	92.05361	108952	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Phenol
00.20226	92.05361	129000	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Pyrene
00.20226	92.05361	120821	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20226	92.05361	95954	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20226	92.05361	88062	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4,6-Trichlorophenol

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Results, Sample # 92.05361 Date Collected: 4/14/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/08/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	83329	50.	28.	UG/L	0.0		6/18/92		Acenaphthene
00.20226	92.05361	59507	100.	51.	UG/L	0.0		6/18/92		4-Chloro-3-methylphenol
00.20226	92.05361	95578	100.	58.	UG/L	0.0		6/18/92		o-Chlorophenol
00.20226	92.05361	106467	50.	28.	UG/L	0.0		6/18/92		p-Dichlorobenzene (1,4)
00.20226	92.05361	121142	50.	28.	UG/L	0.0		6/18/92		2,4-Dinitrotoluene
00.20226	92.05361	100027	100.	51.	UG/L	0.0		6/18/92		4-Nitrophenol
00.20226	92.05361	621647	50.	26.	UG/L	0.0		6/18/92		N-Nitrosodi-n-propylamine
00.20226	92.05361	87865	100.	64.	UG/L	0.0		6/18/92		Pentachlorophenol
00.20226	92.05361	108952	100.	56.	UG/L	0.0		6/18/92		Phenol
00.20226	92.05361	129000	50.	23.	UG/L	0.0		6/18/92		Pyrene
00.20226	92.05361	120821	50.	28.	UG/L	0.0		6/18/92		1,2,4-Trichlorobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Duplicate Results, Sample # 92.05361 Date Collected: 4/14/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/08/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	83329	50.	24.	UG/L	0.0		6/18/92		Acenaphthene
00.20226	92.05361	59507	100.	55.	UG/L	0.0		6/18/92		4-Chloro-3-methylphenol
00.20226	92.05361	95578	100.	38.	UG/L	0.0		6/18/92		o-Chlorophenol
00.20226	92.05361	106467	50.	10.	UG/L	0.0		6/18/92		p-Dichlorobenzene (1,4)
00.20226	92.05361	121142	50.	27.	UG/L	0.0		6/18/92		2,4-Dinitrotoluene
00.20226	92.05361	100027	100.	46.	UG/L	0.0		6/18/92		4-Nitrophenol
00.20226	92.05361	621647	50.	22.	UG/L	0.0		6/18/92		N-Nitrosodi-n-propylamine
00.20226	92.05361	87865	100.	62.	UG/L	0.0		6/18/92		Pentachlorophenol
00.20226	92.05361	108952	100.	42.	UG/L	0.0		6/18/92		Phenol
00.20226	92.05361	129000	50.	27.	UG/L	0.0		6/18/92		Pyrene
00.20226	92.05361	120821	50.	17.	UG/L	0.0		6/18/92		1,2,4-Trichlorobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.05360 Date Collected: 4/14/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/08/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05360	83329	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Acenaphthene
92.05360	208968	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Acenaphthylene
92.05360	62533	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Aniline
92.05360	120127	40.	12.	UG/L	124.	12.	6/18/92	OUT OF CONTROL	Anthracene
92.05360	103333	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Azobenzene
92.05360	92875	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	m-Benzidine
92.05360	56553	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[a]anthracene
92.05360	50328	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[a]pyrene
92.05360	205992	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[b]fluoranthene
92.05360	191242	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[g,h,i]perylene
92.05360	207089	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[k]fluoranthene
92.05360	65850	94.	28.2	UG/L	130.	13.	6/18/92	UNDER CONTROL	Benzoic acid
92.05360	100516	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzyl alcohol
92.05360	111911	74.	22.2	UG/L	118.	12.	6/18/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
92.05360	111444	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroethyl)ether
92.05360	108601	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
92.05360	117817	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
92.05360	101553	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Bromophenylphenyl ether
92.05360	85687	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Butyl benzyl phthalate
92.05360	59507	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chloro-3-methylphenol
92.05360	106478	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chloroaniline
92.05360	91587	< 10.		UG/L	C.0		6/18/92	UNDER CONTROL	2-Chloronaphthalene
92.05360	95578	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	o-Chlorophenol
92.05360	7005723	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chlorophenylphenyl ether
92.05360	218019	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Chrysene
92.05360	84742	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Di-n-butyl phthalate

92.05360	117840	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Di-n-octyl phthalate
92.05360	53703	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Dibenzo[a,h]anthracene
92.05360	132649	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Dibenzofuran
92.05360	95501	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05360	541731	37.	11.1	UG/L	93.	9.	6/18/92	OUT OF CONTROL	m-Dichlorobenzene (1,3)
92.05360	106467	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
92.05360	91941	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	3,3'-Dichlorobenzidine
92.05360	120832	85.	25.5	UG/L	130.	13.	6/18/92	UNDER CONTROL	2,4-Dichlorophenol
92.05360	84662	16.	4.8	UG/L	78.	8.	6/18/92	OUT OF CONTROL	Diethyl phthalate
92.05360	131113	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Dimethyl phthalate
92.05360	105679	23.	6.9	UG/L	69.	7.	6/18/92	OUT OF CONTROL	2,4-Dimethylphenol
92.05360	51285	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dinitrophenol
92.05360	121142	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dinitrotoluene
92.05360	606202	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2,6-Dinitrotoluene
92.05360	206440	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Fluoranthene
92.05360	86737	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Fluorene
92.05360	118741	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorobenzene
92.05360	87683	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorobutadiene
92.05360	77474	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorocyclopentadiene
92.05360	67721	32.	9.6	UG/L	89.	9.	6/18/92	OUT OF CONTROL	Hexachloroethane
92.05360	193395	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
92.05360	78591	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Isophorone
92.05360	534521	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
92.05360	91576	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methylnaphthalene
92.05360	95487	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methylphenol
92.05360	106445	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Methylphenol
92.05360	91203	43.	12.9	UG/L	86.	9.	6/18/92	WARNING 2-3 SIG	Naphthalene
92.05360	88744	45.	13.5	UG/L	119.	12.	6/18/92	OUT OF CONTROL	2-Nitroaniline
92.05360	99092	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	3-Nitroaniline
92.05360	100016	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Nitroaniline
92.05360	98953	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Nitrobenzene
92.05360	88755	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Nitrophenol
92.05360	100027	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Nitrophenol
92.05360	621647	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
92.05360	62759	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodimethylamine
92.05360	86306	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodiphenylamine
92.05360	87865	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Pentachlorophenol
92.05360	85018	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Phenanthrene
92.05360	108952	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Phenol
92.05360	129000	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Pyrene
92.05360	120821	63.	18.9	UG/L	135.	14.	6/18/92	OUT OF CONTROL	1,2,4-Trichlorobenzene
92.05360	95954	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4,5-Trichlorophenol
92.05360	88062	61.	18.3	UG/L	85.	8.	6/18/92	UNDER CONTROL	2,4,6-Trichlorophenol

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA SEMIVOLATILES

Surrogate 1 = 2-Fluorophenol (CAS # = 367124)
Surrogate 2 = Phenol-d5 (CAS # = 4165622)
Surrogate 3 = Nitrobenzene-d5 (CAS # = 4165600)
Surrogate 4 = 2-Fluorobiphenyl (CAS # = 321608)
Surrogate 5 = 2,4,6-Tribromophenol (CAS # = 118796)
Surrogate 6 = p-Terphenyl-d14 (CAS # =)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	Surrogate 4	Surrogate 5	Surrogate 6	COMPLETION DATE
92.04885	%	57.805	59.851	65.582	51.634	54.307	11.484	18-Jun-1992
92.04886	%	42.79	52.734	61.776	51.942	47.916	12.584	18-Jun-1992
92.05003	%	49.39	56.98	54.032	50.71	82.852	73.876	18-Jun-1992
92.05004	%	64.284	69.762	67.584	63.096	72.996	15.95	18-Jun-1992
92.05005	%	47.157	58.916	58.212	50.138	70.994	17.446	18-Jun-1992
92.05006	%	53.009	30.811	59.29	60.896	85.668	80.366	18-Jun-1992
92.05360	%	49.37	55.29	64.92	57.18	88.56	86.18	18-Jun-1992
92.05361	%	58.28	55.55	56.02	62.36	84.74	75.08	18-Jun-1992
92.05361	%	33.97	43.64	38.08	51.82	77.38	65.84	18-Jun-1992
92.05361	%	57.475	59.763	67.518	62.832	96.371	83.6	18-Jun-1992
EPA Limits:								
Water	%	21 - 100	10 - 94	35 - 114	43 - 116	10 - 123	33 - 141	
Soil	%	25 - 121	24 - 113	23 - 120	30 - 115	19 - 122	18 - 137	

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14286

Analyst	Reviewer	Section Leader	QA Officer
			NK for MAG
6/22/92	6/18/92	6/24/92	6/25/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05120 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/24/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	83329	< 990.		UG/KG	8/19/92		Acenaphthene
53-SC-G1-S	92.05120	208968	< 990.		UG/KG	8/19/92		Acenaphthylene
53-SC-G1-S	92.05120	62533	< 990.		UG/KG	8/19/92		Aniline
53-SC-G1-S	92.05120	120127	< 990.		UG/KG	8/19/92		Anthracene
53-SC-G1-S	92.05120	103333	< 990.		UG/KG	8/19/92		Azobenzene
53-SC-G1-S	92.05120	92875	< 990.		UG/KG	8/19/92		m-Benzidine
53-SC-G1-S	92.05120	56553	< 990.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-G1-S	92.05120	50328	< 990.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-G1-S	92.05120	205992	< 990.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-G1-S	92.05120	191242	< 990.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-G1-S	92.05120	207089	< 990.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-G1-S	92.05120	65850	< 990.		UG/KG	8/19/92		Benzoic acid
53-SC-G1-S	92.05120	100516	< 990.		UG/KG	8/19/92		Benzyl alcohol
53-SC-G1-S	92.05120	111911	< 990.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-G1-S	92.05120	111444	< 990.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-G1-S	92.05120	108601	< 990.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-G1-S	92.05120	117817	< 990.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-G1-S	92.05120	101553	< 990.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-G1-S	92.05120	85687	< 990.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-G1-S	92.05120	59507	< 990.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-G1-S	92.05120	106478	< 990.		UG/KG	8/19/92		4-Chloroaniline
53-SC-G1-S	92.05120	91587	< 990.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-G1-S	92.05120	95578	< 990.		UG/KG	8/19/92		o-Chlorophenol
53-SC-G1-S	92.05120	7005723	< 990.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-G1-S	92.05120	218019	< 990.		UG/KG	8/19/92		Chrysene
53-SC-G1-S	92.05120	84742	< 990.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	117840	< 990.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-G1-S	92.05120	53703	< 990.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-G1-S	92.05120	132649	< 990.		UG/KG	8/19/92		Dibenzofuran
53-SC-G1-S	92.05120	95501	< 990.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-G1-S	92.05120	541731	< 990.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-G1-S	92.05120	106467	< 990.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-G1-S	92.05120	91941	< 990.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-G1-S	92.05120	120832	< 990.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-G1-S	92.05120	84662	< 990.		UG/KG	8/19/92		Diethyl phthalate
53-SC-G1-S	92.05120	131113	< 990.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-G1-S	92.05120	105679	< 990.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-G1-S	92.05120	51285	< 990.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-G1-S	92.05120	121142	< 990.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-G1-S	92.05120	606202	< 990.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-G1-S	92.05120	206440	< 990.		UG/KG	8/19/92		Fluoranthene
53-SC-G1-S	92.05120	86737	< 990.		UG/KG	8/19/92		Fluorene
53-SC-G1-S	92.05120	118741	< 990.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-G1-S	92.05120	87683	< 990.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-G1-S	92.05120	77474	< 990.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-G1-S	92.05120	67721	< 990.		UG/KG	8/19/92		Hexachloroethane
53-SC-G1-S	92.05120	193395	< 990.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-G1-S	92.05120	78591	< 990.		UG/KG	8/19/92		Isophorone
53-SC-G1-S	92.05120	534521	< 990.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-G1-S	92.05120	91576	< 990.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-G1-S	92.05120	95487	< 990.		UG/KG	8/19/92		2-Methylphenol
53-SC-G1-S	92.05120	106445	< 990.		UG/KG	8/19/92		4-Methylphenol
53-SC-G1-S	92.05120	91203	< 990.		UG/KG	8/19/92		Naphthalene
53-SC-G1-S	92.05120	88744	< 990.		UG/KG	8/19/92		2-Nitroaniline
53-SC-G1-S	92.05120	99092	< 990.		UG/KG	8/19/92		3-Nitroaniline
53-SC-G1-S	92.05120	100016	< 990.		UG/KG	8/19/92		4-Nitroaniline
53-SC-G1-S	92.05120	98953	< 990.		UG/KG	8/19/92		Nitrobenzene
53-SC-G1-S	92.05120	88755	< 990.		UG/KG	8/19/92		2-Nitrophenol
53-SC-G1-S	92.05120	100027	< 990.		UG/KG	8/19/92		4-Nitrophenol
53-SC-G1-S	92.05120	621647	< 990.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-G1-S	92.05120	62759	< 990.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-G1-S	92.05120	86306	< 990.		UG/KG	8/19/92		N-Nitrosodiphenylamine

REPOR .BER: 14942

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	87865	< 990.		UG/KG	8/19/92		Pentachlorophenol
53-SC-G1-S	92.05120	85018	< 990.		UG/KG	8/19/92		Phenanthrene
53-SC-G1-S	92.05120	108952	< 990.		UG/KG	8/19/92		Phenol
53-SC-G1-S	92.05120	129000	< 990.		UG/KG	8/19/92		Pyrene
53-SC-G1-S	92.05120	120821	< 990.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-G1-S	92.05120	95954	< 990.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-G1-S	92.05120	88062	< 990.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05120

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.05120 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/24/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	83329	4775.55	3100.	UG/KG	8/19/92		Acenaphthene
53-SC-G1-S	92.05120	59507	9551.1	5800.	UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-G1-S	92.05120	95578	9551.1	4200.	UG/KG	8/19/92		o-Chlorophenol
53-SC-G1-S	92.05120	106467	4775.55	2200.	UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-G1-S	92.05120	121142	4775.55	3100.	UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-G1-S	92.05120	100027	9551.1	5800.	UG/KG	8/19/92		4-Nitrophenol
53-SC-G1-S	92.05120	621647	4775.55	2600.	UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-G1-S	92.05120	87865	9551.1	6900.	UG/KG	8/19/92		Pentachlorophenol
53-SC-G1-S	92.05120	108952	9551.1	4300.	UG/KG	8/19/92		Phenol
53-SC-G1-S	92.05120	129000	4775.55	3500.	UG/KG	8/19/92		Pyrene
53-SC-G1-S	92.05120	120821	4775.55	2700.	UG/KG	8/19/92		1,2,4-Trichlorobenzene

Matrix Spike Duplicate Results for Sample # 92.05120 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/24/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	83329	4816.96	2800.	UG/KG	8/19/92		Acenaphthene
53-SC-G1-S	92.05120	59507	9633.91	6000.	UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-G1-S	92.05120	95578	9633.91	3200.	UG/KG	8/19/92		o-Chlorophenol
53-SC-G1-S	92.05120	106467	4816.96	1500.	UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-G1-S	92.05120	121142	4816.96	2900.	UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-G1-S	92.05120	100027	9633.91	5100.	UG/KG	8/19/92		4-Nitrophenol
53-SC-G1-S	92.05120	621647	4816.96	2300.	UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-G1-S	92.05120	87865	9633.91	5800.	UG/KG	8/19/92		Pentachlorophenol
53-SC-G1-S	92.05120	108952	9633.91	3600.	UG/KG	8/19/92		Phenol
53-SC-G1-S	92.05120	129000	4816.96	3300.	UG/KG	8/19/92		Pyrene
53-SC-G1-S	92.05120	120821	4816.96	2200.	UG/KG	8/19/92		1,2,4-Trichlorobenzene

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05121 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/24/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S-Q	92.05121	83329	< 950.		UG/KG	8/19/92		Acenaphthene
53-SC-H1-S-Q	92.05121	208968	< 950.		UG/KG	8/19/92		Acenaphthylene
53-SC-H1-S-Q	92.05121	62533	< 950.		UG/KG	8/19/92		Aniline
53-SC-H1-S-Q	92.05121	120127	< 950.		UG/KG	8/19/92		Anthracene
53-SC-H1-S-Q	92.05121	103333	< 950.		UG/KG	8/19/92		Azobenzene
53-SC-H1-S-Q	92.05121	92875	< 950.		UG/KG	8/19/92		m-Benzidine
53-SC-H1-S-Q	92.05121	56553	< 950.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-H1-S-Q	92.05121	50328	< 950.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-H1-S-Q	92.05121	205992	< 950.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-H1-S-Q	92.05121	191242	< 950.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-H1-S-Q	92.05121	207089	< 950.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-H1-S-Q	92.05121	65850	< 950.		UG/KG	8/19/92		Benzoic acid
53-SC-H1-S-Q	92.05121	100516	< 950.		UG/KG	8/19/92		Benzyl alcohol
53-SC-H1-S-Q	92.05121	111911	< 950.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-H1-S-Q	92.05121	111444	< 950.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-H1-S-Q	92.05121	108601	< 950.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-H1-S-Q	92.05121	117817	< 950.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-H1-S-Q	92.05121	101553	< 950.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-H1-S-Q	92.05121	85687	< 950.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-H1-S-Q	92.05121	59507	< 950.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-H1-S-Q	92.05121	106478	< 950.		UG/KG	8/19/92		4-Chloroaniline
53-SC-H1-S-Q	92.05121	91587	< 950.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-H1-S-Q	92.05121	95578	< 950.		UG/KG	8/19/92		o-Chlorophenol
53-SC-H1-S-Q	92.05121	7005723	< 950.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-H1-S-Q	92.05121	218019	< 950.		UG/KG	8/19/92		Chrysene
53-SC-H1-S-Q	92.05121	84742	< 950.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S-Q	92.05121	117840	< 950.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-H1-S-Q	92.05121	53703	< 950.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-H1-S-Q	92.05121	132649	< 950.		UG/KG	8/19/92		Dibenzofuran
53-SC-H1-S-Q	92.05121	95501	< 950.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-H1-S-Q	92.05121	541731	< 950.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-H1-S-Q	92.05121	106467	< 950.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-H1-S-Q	92.05121	91941	< 950.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-H1-S-Q	92.05121	120832	< 950.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-H1-S-Q	92.05121	84662	< 950.		UG/KG	8/19/92		Diethyl phthalate
53-SC-H1-S-Q	92.05121	131113	< 950.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-H1-S-Q	92.05121	105679	< 950.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-H1-S-Q	92.05121	51285	< 950.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-H1-S-Q	92.05121	121142	< 950.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-H1-S-Q	92.05121	606202	< 950.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-H1-S-Q	92.05121	206440	< 950.		UG/KG	8/19/92		Fluoranthene
53-SC-H1-S-Q	92.05121	86737	< 950.		UG/KG	8/19/92		Fluorene
53-SC-H1-S-Q	92.05121	118741	< 950.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-H1-S-Q	92.05121	87683	< 950.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-H1-S-Q	92.05121	77474	< 950.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-H1-S-Q	92.05121	67721	< 950.		UG/KG	8/19/92		Hexachloroethane
53-SC-H1-S-Q	92.05121	193395	< 950.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-H1-S-Q	92.05121	78591	< 950.		UG/KG	8/19/92		Isophorone
53-SC-H1-S-Q	92.05121	534521	< 950.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-H1-S-Q	92.05121	91576	< 950.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-H1-S-Q	92.05121	95487	< 950.		UG/KG	8/19/92		2-Methylphenol
53-SC-H1-S-Q	92.05121	106445	< 950.		UG/KG	8/19/92		4-Methylphenol
53-SC-H1-S-Q	92.05121	91203	< 950.		UG/KG	8/19/92		Naphthalene
53-SC-H1-S-Q	92.05121	88744	< 950.		UG/KG	8/19/92		2-Nitroaniline
53-SC-H1-S-Q	92.05121	99092	< 950.		UG/KG	8/19/92		3-Nitroaniline
53-SC-H1-S-Q	92.05121	100016	< 950.		UG/KG	8/19/92		4-Nitroaniline
53-SC-H1-S-Q	92.05121	98953	< 950.		UG/KG	8/19/92		Nitrobenzene
53-SC-H1-S-Q	92.05121	88755	< 950.		UG/KG	8/19/92		2-Nitrophenol
53-SC-H1-S-Q	92.05121	100027	< 950.		UG/KG	8/19/92		4-Nitrophenol
53-SC-H1-S-Q	92.05121	621647	< 950.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-H1-S-Q	92.05121	62759	< 950.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-H1-S-Q	92.05121	86306	< 950.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S-Q	92.05121	87865	< 950.		UG/KG	8/19/92		Pentachlorophenol
53-SC-H1-S-Q	92.05121	85018	< 950.		UG/KG	8/19/92		Phenanthrene
53-SC-H1-S-Q	92.05121	108952	< 950.		UG/KG	8/19/92		Phenol
53-SC-H1-S-Q	92.05121	129000	< 950.		UG/KG	8/19/92		Pyrene
53-SC-H1-S-Q	92.05121	120821	< 950.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-H1-S-Q	92.05121	95954	< 950.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-H1-S-Q	92.05121	88062	< 950.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05121

none

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05122 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S	92.05122	83329	< 950.		UG/KG	8/19/92		Acenaphthene
53-SC-H1-S	92.05122	208968	< 950.		UG/KG	8/19/92		Acenaphthylene
53-SC-H1-S	92.05122	62533	< 950.		UG/KG	8/19/92		Aniline
53-SC-H1-S	92.05122	120127	< 950.		UG/KG	8/19/92		Anthracene
53-SC-H1-S	92.05122	103333	< 950.		UG/KG	8/19/92		Azobenzene
53-SC-H1-S	92.05122	92875	< 950.		UG/KG	8/19/92		m-Benzidine
53-SC-H1-S	92.05122	56553	< 950.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-H1-S	92.05122	50328	< 950.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-H1-S	92.05122	205992	< 950.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-H1-S	92.05122	191242	< 950.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-H1-S	92.05122	207089	< 950.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-H1-S	92.05122	65850	< 950.		UG/KG	8/19/92		Benzoic acid
53-SC-H1-S	92.05122	100516	< 950.		UG/KG	8/19/92		Benzyl alcohol
53-SC-H1-S	92.05122	111911	< 950.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-H1-S	92.05122	111444	< 950.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-H1-S	92.05122	108601	< 950.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-H1-S	92.05122	117817	< 950.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-H1-S	92.05122	101553	< 950.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-H1-S	92.05122	85687	< 950.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-H1-S	92.05122	59507	< 950.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-H1-S	92.05122	106478	< 950.		UG/KG	8/19/92		4-Chloroaniline
53-SC-H1-S	92.05122	91587	< 950.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-H1-S	92.05122	95578	< 950.		UG/KG	8/19/92		o-Chlorophenol
53-SC-H1-S	92.05122	7005723	< 950.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-H1-S	92.05122	218019	< 950.		UG/KG	8/19/92		Chrysene
53-SC-H1-S	92.05122	84742	< 950.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S	92.05122	117840	< 950.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-H1-S	92.05122	53703	< 950.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-H1-S	92.05122	132649	< 950.		UG/KG	8/19/92		Dibenzofuran
53-SC-H1-S	92.05122	95501	< 950.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-H1-S	92.05122	541731	< 950.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-H1-S	92.05122	106467	< 950.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-H1-S	92.05122	91941	< 950.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-H1-S	92.05122	120832	< 950.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-H1-S	92.05122	84662	< 950.		UG/KG	8/19/92		Diethyl phthalate
53-SC-H1-S	92.05122	131113	< 950.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-H1-S	92.05122	105679	< 950.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-H1-S	92.05122	51285	< 950.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-H1-S	92.05122	121142	< 950.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-H1-S	92.05122	606202	< 950.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-H1-S	92.05122	206440	< 950.		UG/KG	8/19/92		Fluoranthene
53-SC-H1-S	92.05122	86737	< 950.		UG/KG	8/19/92		Fluorene
53-SC-H1-S	92.05122	118741	< 950.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-H1-S	92.05122	87683	< 950.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-H1-S	92.05122	77474	< 950.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-H1-S	92.05122	67721	< 950.		UG/KG	8/19/92		Hexachloroethane
53-SC-H1-S	92.05122	193395	< 950.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-H1-S	92.05122	78591	< 950.		UG/KG	8/19/92		Isophorone
53-SC-H1-S	92.05122	534521	< 950.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-H1-S	92.05122	91576	< 950.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-H1-S	92.05122	95487	< 950.		UG/KG	8/19/92		2-Methylphenol
53-SC-H1-S	92.05122	106445	< 950.		UG/KG	8/19/92		4-Methylphenol
53-SC-H1-S	92.05122	91203	< 950.		UG/KG	8/19/92		Naphthalene
53-SC-H1-S	92.05122	88744	< 950.		UG/KG	8/19/92		2-Nitroaniline
53-SC-H1-S	92.05122	99092	< 950.		UG/KG	8/19/92		3-Nitroaniline
53-SC-H1-S	92.05122	100016	< 950.		UG/KG	8/19/92		4-Nitroaniline
53-SC-H1-S	92.05122	98953	< 950.		UG/KG	8/19/92		Nitrobenzene
53-SC-H1-S	92.05122	88755	< 950.		UG/KG	8/19/92		2-Nitrophenol
53-SC-H1-S	92.05122	100027	< 950.		UG/KG	8/19/92		4-Nitrophenol
53-SC-H1-S	92.05122	621647	< 950.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-H1-S	92.05122	62759	< 950.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-H1-S	92.05122	86306	< 950.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-H1-S	92.05122	87865	< 950.		UG/KG	8/19/92		Pentachlorophenol
53-SC-H1-S	92.05122	85018	< 950.		UG/KG	8/19/92		Phenanthrene
53-SC-H1-S	92.05122	108952	< 950.		UG/KG	8/19/92		Phenol
53-SC-H1-S	92.05122	129000	< 950.		UG/KG	8/19/92		Pyrene
53-SC-H1-S	92.05122	120821	< 950.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-H1-S	92.05122	95954	< 950.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-H1-S	92.05122	88062	< 950.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05122

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05123 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-I1-S	92.05123	83329	< 950.		UG/KG	8/19/92		Acenaphthene
53-SC-I1-S	92.05123	208968	< 950.		UG/KG	8/19/92		Acenaphthylene
53-SC-I1-S	92.05123	62533	< 950.		UG/KG	8/19/92		Aniline
53-SC-I1-S	92.05123	120127	< 950.		UG/KG	8/19/92		Anthracene
53-SC-I1-S	92.05123	103333	< 950.		UG/KG	8/19/92		Azobenzene
53-SC-I1-S	92.05123	92875	< 950.		UG/KG	8/19/92		m-Benzidine
53-SC-I1-S	92.05123	56553	< 950.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-I1-S	92.05123	50328	< 950.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-I1-S	92.05123	205992	< 950.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-I1-S	92.05123	191242	< 950.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-I1-S	92.05123	207089	< 950.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-I1-S	92.05123	65850	< 950.		UG/KG	8/19/92		Benzoic acid
53-SC-I1-S	92.05123	100516	< 950.		UG/KG	8/19/92		Benzyl alcohol
53-SC-I1-S	92.05123	111911	< 950.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-I1-S	92.05123	111444	< 950.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-I1-S	92.05123	108601	< 950.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-I1-S	92.05123	117817	< 950.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-I1-S	92.05123	101553	< 950.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-I1-S	92.05123	85687	< 950.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-I1-S	92.05123	59507	< 950.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-I1-S	92.05123	106478	< 950.		UG/KG	8/19/92		4-Chloroaniline
53-SC-I1-S	92.05123	91587	< 950.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-I1-S	92.05123	95578	< 950.		UG/KG	8/19/92		o-Chlorophenol
53-SC-I1-S	92.05123	7005723	< 950.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-I1-S	92.05123	218019	< 950.		UG/KG	8/19/92		Chrysene
53-SC-I1-S	92.05123	84742	< 950.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-I1-S	92.05123	117840	< 950.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-I1-S	92.05123	53703	< 950.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-I1-S	92.05123	132649	< 950.		UG/KG	8/19/92		Dibenzofuran
53-SC-I1-S	92.05123	95501	< 950.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-I1-S	92.05123	541731	< 950.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-I1-S	92.05123	106467	< 950.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-I1-S	92.05123	91941	< 950.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-I1-S	92.05123	120832	< 950.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-I1-S	92.05123	84662	< 950.		UG/KG	8/19/92		Diethyl phthalate
53-SC-I1-S	92.05123	131113	< 950.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-I1-S	92.05123	105679	< 950.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-I1-S	92.05123	51285	< 950.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-I1-S	92.05123	121142	< 950.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-I1-S	92.05123	606202	< 950.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-I1-S	92.05123	206440	< 950.		UG/KG	8/19/92		Fluoranthene
53-SC-I1-S	92.05123	86737	< 950.		UG/KG	8/19/92		Fluorene
53-SC-I1-S	92.05123	118741	< 950.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-I1-S	92.05123	87683	< 950.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-I1-S	92.05123	77474	< 950.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-I1-S	92.05123	67721	< 950.		UG/KG	8/19/92		Hexachloroethane
53-SC-I1-S	92.05123	193395	< 950.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-I1-S	92.05123	78591	< 950.		UG/KG	8/19/92		Isophorone
53-SC-I1-S	92.05123	534521	< 950.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-I1-S	92.05123	91576	< 950.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-I1-S	92.05123	95487	< 950.		UG/KG	8/19/92		2-Methylphenol
53-SC-I1-S	92.05123	106445	< 950.		UG/KG	8/19/92		4-Methylphenol
53-SC-I1-S	92.05123	91203	< 950.		UG/KG	8/19/92		Naphthalene
53-SC-I1-S	92.05123	88744	< 950.		UG/KG	8/19/92		2-Nitroaniline
53-SC-I1-S	92.05123	99092	< 950.		UG/KG	8/19/92		3-Nitroaniline
53-SC-I1-S	92.05123	100016	< 950.		UG/KG	8/19/92		4-Nitroaniline
53-SC-I1-S	92.05123	98953	< 950.		UG/KG	8/19/92		Nitrobenzene
53-SC-I1-S	92.05123	88755	< 950.		UG/KG	8/19/92		2-Nitrophenol
53-SC-I1-S	92.05123	100027	< 950.		UG/KG	8/19/92		4-Nitrophenol
53-SC-I1-S	92.05123	621647	< 950.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-I1-S	92.05123	62759	< 950.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-I1-S	92.05123	86306	< 950.		UG/KG	8/19/92		N-Nitrosodiphenylamine

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-I1-S	92.05123	87865	< 950.		UG/KG	8/19/92		Pentachlorophenol
53-SC-I1-S	92.05123	85018	< 950.		UG/KG	8/19/92		Phenanthrene
53-SC-I1-S	92.05123	108952	< 950.		UG/KG	8/19/92		Phenol
53-SC-I1-S	92.05123	129000	< 950.		UG/KG	8/19/92		Pyrene
53-SC-I1-S	92.05123	120821	< 950.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-I1-S	92.05123	95954	< 950.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-I1-S	92.05123	88062	< 950.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05123

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05124 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-J1-S	92.05124	83329	< 1000.		UG/KG	8/19/92		Acenaphthene
53-SC-J1-S	92.05124	208968	< 1000.		UG/KG	8/19/92		Acenaphthylene
53-SC-J1-S	92.05124	62533	< 1000.		UG/KG	8/19/92		Aniline
53-SC-J1-S	92.05124	120127	< 1000.		UG/KG	8/19/92		Anthracene
53-SC-J1-S	92.05124	103333	< 1000.		UG/KG	8/19/92		Azobenzene
53-SC-J1-S	92.05124	92875	< 1000.		UG/KG	8/19/92		m-Benzidine
53-SC-J1-S	92.05124	56553	< 1000.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-J1-S	92.05124	50328	< 1000.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-J1-S	92.05124	205992	< 1000.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-J1-S	92.05124	191242	< 1000.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-J1-S	92.05124	207089	< 1000.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-J1-S	92.05124	65850	< 1000.		UG/KG	8/19/92		Benzoic acid
53-SC-J1-S	92.05124	100516	< 1000.		UG/KG	8/19/92		Benzyl alcohol
53-SC-J1-S	92.05124	111911	< 1000.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-J1-S	92.05124	111444	< 1000.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-J1-S	92.05124	108601	< 1000.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-J1-S	92.05124	117817	< 1000.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-J1-S	92.05124	101553	< 1000.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-J1-S	92.05124	85687	< 1000.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-J1-S	92.05124	59507	< 1000.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-J1-S	92.05124	106478	< 1000.		UG/KG	8/19/92		4-Chloroaniline
53-SC-J1-S	92.05124	91587	< 1000.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-J1-S	92.05124	95578	< 1000.		UG/KG	8/19/92		o-Chlorophenol
53-SC-J1-S	92.05124	7005723	< 1000.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-J1-S	92.05124	218019	< 1000.		UG/KG	8/19/92		Chrysene
53-SC-J1-S	92.05124	84742	< 1000.		UG/KG	8/19/92		Di-n-butyl phthalate

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-J1-S	92.05124	117840	< 1000.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-J1-S	92.05124	53703	< 1000.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-J1-S	92.05124	132649	< 1000.		UG/KG	8/19/92		Dibenzofuran
53-SC-J1-S	92.05124	95501	< 1000.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-J1-S	92.05124	541731	< 1000.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-J1-S	92.05124	106467	< 1000.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-J1-S	92.05124	91941	< 1000.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-J1-S	92.05124	120832	< 1000.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-J1-S	92.05124	84662	< 1000.		UG/KG	8/19/92		Diethyl phthalate
53-SC-J1-S	92.05124	131113	< 1000.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-J1-S	92.05124	105679	< 1000.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-J1-S	92.05124	51285	< 1000.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-J1-S	92.05124	121142	< 1000.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-J1-S	92.05124	606202	< 1000.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-J1-S	92.05124	206440	< 1000.		UG/KG	8/19/92		Fluoranthene
53-SC-J1-S	92.05124	86737	< 1000.		UG/KG	8/19/92		Fluorene
53-SC-J1-S	92.05124	118741	< 1000.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-J1-S	92.05124	87683	< 1000.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-J1-S	92.05124	77474	< 1000.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-J1-S	92.05124	67721	< 1000.		UG/KG	8/19/92		Hexachloroethane
53-SC-J1-S	92.05124	193395	< 1000.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-J1-S	92.05124	78591	< 1000.		UG/KG	8/19/92		Isophorone
53-SC-J1-S	92.05124	534521	< 1000.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-J1-S	.92.05124	91576	< 1000.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-J1-S	92.05124	95487	< 1000.		UG/KG	8/19/92		2-Methylphenol
53-SC-J1-S	92.05124	106445	< 1000.		UG/KG	8/19/92		4-Methylphenol
53-SC-J1-S	92.05124	91203	< 1000.		UG/KG	8/19/92		Naphthalene
53-SC-J1-S	92.05124	88744	< 1000.		UG/KG	8/19/92		2-Nitroaniline
53-SC-J1-S	92.05124	99092	< 1000.		UG/KG	8/19/92		3-Nitroaniline
53-SC-J1-S	92.05124	100016	< 1000.		UG/KG	8/19/92		4-Nitroaniline
53-SC-J1-S	92.05124	98953	< 1000.		UG/KG	8/19/92		Nitrobenzene
53-SC-J1-S	92.05124	88755	< 1000.		UG/KG	8/19/92		2-Nitrophenol
53-SC-J1-S	92.05124	100027	< 1000.		UG/KG	8/19/92		4-Nitrophenol
53-SC-J1-S	92.05124	621647	< 1000.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-J1-S	92.05124	62759	< 1000.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-J1-S	92.05124	86306	< 1000.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-J1-S	92.05124	87865	< 1000.		UG/KG	8/19/92		Pentachlorophenol
53-SC-J1-S	92.05124	85018	< 1000.		UG/KG	8/19/92		Phenanthrene
53-SC-J1-S	92.05124	108952	< 1000.		UG/KG	8/19/92		Phenol
53-SC-J1-S	92.05124	129000	< 1000.		UG/KG	8/19/92		Pyrene
53-SC-J1-S	92.05124	120821	< 1000.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-J1-S	92.05124	95954	< 1000.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-J1-S	92.05124	88062	< 1000.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05124

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05125 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-K1-S	92.05125	83329	< 970.		UG/KG	8/19/92		Acenaphthene
53-SC-K1-S	92.05125	208968	< 970.		UG/KG	8/19/92		Acenaphthylene
53-SC-K1-S	92.05125	62533	< 970.		UG/KG	8/19/92		Aniline
53-SC-K1-S	92.05125	120127	< 970.		UG/KG	8/19/92		Anthracene
53-SC-K1-S	92.05125	103333	< 970.		UG/KG	8/19/92		Azobenzene
53-SC-K1-S	92.05125	92875	< 970.		UG/KG	8/19/92		m-Benzidine
53-SC-K1-S	92.05125	56553	< 970.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-K1-S	92.05125	50328	< 970.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-K1-S	92.05125	205992	< 970.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-K1-S	92.05125	191242	< 970.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-K1-S	92.05125	207089	< 970.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-K1-S	92.05125	65850	< 970.		UG/KG	8/19/92		Benzoic acid
53-SC-K1-S	92.05125	100516	< 970.		UG/KG	8/19/92		Benzyl alcohol
53-SC-K1-S	92.05125	111911	< 970.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-K1-S	92.05125	111444	< 970.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-K1-S	92.05125	108601	< 970.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-K1-S	92.05125	117817	< 970.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-K1-S	92.05125	101553	< 970.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-K1-S	92.05125	85687	< 970.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-K1-S	92.05125	59507	< 970.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-K1-S	92.05125	106478	< 970.		UG/KG	8/19/92		4-Chloroaniline
53-SC-K1-S	92.05125	91587	< 970.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-K1-S	92.05125	95578	< 970.		UG/KG	8/19/92		o-Chlorophenol
53-SC-K1-S	92.05125	7005723	< 970.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-K1-S	92.05125	218019	< 970.		UG/KG	8/19/92		Chrysene
53-SC-K1-S	92.05125	84742	< 970.		UG/KG	8/19/92		Di-n-butyl phthalate

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-K1-S	92.05125	117840	< 970.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-K1-S	92.05125	53703	< 970.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-K1-S	92.05125	132649	< 970.		UG/KG	8/19/92		Dibenzofuran
53-SC-K1-S	92.05125	95501	< 970.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-K1-S	92.05125	541731	< 970.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-K1-S	92.05125	106467	< 970.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-K1-S	92.05125	91941	< 970.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-K1-S	92.05125	120832	< 970.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-K1-S	92.05125	84662	< 970.		UG/KG	8/19/92		Diethyl phthalate
53-SC-K1-S	92.05125	131113	< 970.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-K1-S	92.05125	105679	< 970.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-K1-S	92.05125	51285	< 970.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-K1-S	92.05125	121142	< 970.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-K1-S	92.05125	606202	< 970.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-K1-S	92.05125	206440	< 970.		UG/KG	8/19/92		Fluoranthene
53-SC-K1-S	92.05125	86737	< 970.		UG/KG	8/19/92		Fluorene
53-SC-K1-S	92.05125	118741	< 970.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-K1-S	92.05125	87683	< 970.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-K1-S	92.05125	77474	< 970.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-K1-S	92.05125	67721	< 970.		UG/KG	8/19/92		Hexachloroethane
53-SC-K1-S	92.05125	193395	< 970.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-K1-S	92.05125	78591	< 970.		UG/KG	8/19/92		Isophorone
53-SC-K1-S	92.05125	534521	< 970.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-K1-S	92.05125	91576	< 970.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-K1-S	92.05125	95487	< 970.		UG/KG	8/19/92		2-Methylphenol
53-SC-K1-S	92.05125	106445	< 970.		UG/KG	8/19/92		4-Methylphenol
53-SC-K1-S	92.05125	91203	< 970.		UG/KG	8/19/92		Naphthalene
53-SC-K1-S	92.05125	88744	< 970.		UG/KG	8/19/92		2-Nitroaniline
53-SC-K1-S	92.05125	99092	< 970.		UG/KG	8/19/92		3-Nitroaniline
53-SC-K1-S	92.05125	100016	< 970.		UG/KG	8/19/92		4-Nitroaniline
53-SC-K1-S	92.05125	98953	< 970.		UG/KG	8/19/92		Nitrobenzene
53-SC-K1-S	92.05125	88755	< 970.		UG/KG	8/19/92		2-Nitrophenol
53-SC-K1-S	92.05125	100027	< 970.		UG/KG	8/19/92		4-Nitrophenol
53-SC-K1-S	92.05125	621647	< 970.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-K1-S	92.05125	62759	< 970.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-K1-S	92.05125	86306	< 970.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-K1-S	92.05125	87865	< 970.		UG/KG	8/19/92		Pentachlorophenol
53-SC-K1-S	92.05125	85018	< 970.		UG/KG	8/19/92		Phenanthrene
53-SC-K1-S	92.05125	108952	< 970.		UG/KG	8/19/92		Phenol
53-SC-K1-S	92.05125	129000	< 970.		UG/KG	8/19/92		Pyrene
53-SC-K1-S	92.05125	120821	< 970.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-K1-S	92.05125	95954	< 970.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-K1-S	92.05125	88062	< 970.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05125

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05126 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/28/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-L1-S	92.05126	83329	< 990.		UG/KG	8/19/92		Acenaphthene
53-SC-L1-S	92.05126	208968	< 990.		UG/KG	8/19/92		Acenaphthylene
53-SC-L1-S	92.05126	62533	< 990.		UG/KG	8/19/92		Aniline
53-SC-L1-S	92.05126	120127	< 990.		UG/KG	8/19/92		Anthracene
53-SC-L1-S	92.05126	103333	< 990.		UG/KG	8/19/92		Azobenzene
53-SC-L1-S	92.05126	92875	< 990.		UG/KG	8/19/92		m-Benzidine
53-SC-L1-S	92.05126	56553	< 990.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-L1-S	92.05126	50328	< 990.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-L1-S	92.05126	205992	< 990.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-L1-S	92.05126	191242	< 990.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-L1-S	92.05126	207089	< 990.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-L1-S	92.05126	65850	< 990.		UG/KG	8/19/92		Benzoic acid
53-SC-L1-S	92.05126	100516	< 990.		UG/KG	8/19/92		Benzyl alcohol
53-SC-L1-S	92.05126	111911	< 990.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-L1-S	92.05126	111444	< 990.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-L1-S	92.05126	108601	< 990.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-L1-S	92.05126	117817	< 990.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-L1-S	92.05126	101553	< 990.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-L1-S	92.05126	85687	< 990.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-L1-S	92.05126	59507	< 990.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-L1-S	92.05126	106478	< 990.		UG/KG	8/19/92		4-Chloroaniline
53-SC-L1-S	92.05126	91587	< 990.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-L1-S	92.05126	95578	< 990.		UG/KG	8/19/92		o-Chlorophenol
53-SC-L1-S	92.05126	7005723	< 990.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-L1-S	92.05126	218019	< 990.		UG/KG	8/19/92		Chrysene
53-SC-L1-S	92.05126	84742	< 990.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-L1-S	92.05126	117840	< 990.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-L1-S	92.05126	53703	< 990.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-L1-S	92.05126	132649	< 990.		UG/KG	8/19/92		Dibenzofuran
53-SC-L1-S	92.05126	95501	< 990.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-L1-S	92.05126	541731	< 990.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-L1-S	92.05126	106467	< 990.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-L1-S	92.05126	91941	< 990.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-L1-S	92.05126	120832	< 990.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-L1-S	92.05126	84662	< 990.		UG/KG	8/19/92		Diethyl phthalate
53-SC-L1-S	92.05126	131113	< 990.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-L1-S	92.05126	105679	< 990.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-L1-S	92.05126	51285	< 990.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-L1-S	92.05126	121142	< 990.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-L1-S	92.05126	606202	< 990.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-L1-S	92.05126	206440	< 990.		UG/KG	8/19/92		Fluoranthene
53-SC-L1-S	92.05126	86737	< 990.		UG/KG	8/19/92		Fluorene
53-SC-L1-S	92.05126	118741	< 990.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-L1-S	92.05126	87683	< 990.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-L1-S	92.05126	77474	< 990.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-L1-S	92.05126	67721	< 990.		UG/KG	8/19/92		Hexachloroethane
53-SC-L1-S	92.05126	193395	< 990.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-L1-S	92.05126	78591	< 990.		UG/KG	8/19/92		Isophorone
53-SC-L1-S	92.05126	534521	< 990.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-L1-S	92.05126	91576	< 990.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-L1-S	92.05126	95487	< 990.		UG/KG	8/19/92		2-Methylphenol
53-SC-L1-S	92.05126	106445	< 990.		UG/KG	8/19/92		4-Methylphenol
53-SC-L1-S	92.05126	91203	< 990.		UG/KG	8/19/92		Naphthalene
53-SC-L1-S	92.05126	88744	< 990.		UG/KG	8/19/92		2-Nitroaniline
53-SC-L1-S	92.05126	99092	< 990.		UG/KG	8/19/92		3-Nitroaniline
53-SC-L1-S	92.05126	100016	< 990.		UG/KG	8/19/92		4-Nitroaniline
53-SC-L1-S	92.05126	98953	< 990.		UG/KG	8/19/92		Nitrobenzene
53-SC-L1-S	92.05126	88755	< 990.		UG/KG	8/19/92		2-Nitrophenol
53-SC-L1-S	92.05126	100027	< 990.		UG/KG	8/19/92		4-Nitrophenol
53-SC-L1-S	92.05126	621647	< 990.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-L1-S	92.05126	62759	< 990.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-L1-S	92.05126	86306	< 990.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-L1-S	92.05126	87865	< 990.		UG/KG	8/19/92		Pentachlorophenol
53-SC-L1-S	92.05126	85018	< 990.		UG/KG	8/19/92		Phenanthrene
53-SC-L1-S	92.05126	108952	< 990.		UG/KG	8/19/92		Phenol
53-SC-L1-S	92.05126	129000	< 990.		UG/KG	8/19/92		Pyrene
53-SC-L1-S	92.05126	120821	< 990.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-L1-S	92.05126	95954	< 990.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-L1-S	92.05126	88062	< 990.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05126

none

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05127 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-M1-S	92.05127	83329	< 950.		UG/KG	8/19/92		Acenaphthene
53-SC-M1-S	92.05127	208968	< 950.		UG/KG	8/19/92		Acenaphthylene
53-SC-M1-S	92.05127	62533	< 950.		UG/KG	8/19/92		Aniline
53-SC-M1-S	92.05127	120127	< 950.		UG/KG	8/19/92		Anthracene
53-SC-M1-S	92.05127	103333	< 950.		UG/KG	8/19/92		Azobenzene
53-SC-M1-S	92.05127	92875	< 950.		UG/KG	8/19/92		m-Benzidine
53-SC-M1-S	92.05127	56553	< 950.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-M1-S	92.05127	50328	< 950.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-M1-S	92.05127	205992	< 950.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-M1-S	92.05127	191242	< 950.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-M1-S	92.05127	207089	< 950.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-M1-S	92.05127	65850	< 950.		UG/KG	8/19/92		Benzoic acid
53-SC-M1-S	92.05127	100516	< 950.		UG/KG	8/19/92		Benzyl alcohol
53-SC-M1-S	92.05127	111911	< 950.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-M1-S	92.05127	111444	< 950.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-M1-S	92.05127	108601	< 950.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-M1-S	92.05127	117817	< 950.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-M1-S	92.05127	101553	< 950.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-M1-S	92.05127	85687	< 950.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-M1-S	92.05127	59507	< 950.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-M1-S	92.05127	106478	< 950.		UG/KG	8/19/92		4-Chloroaniline
53-SC-M1-S	92.05127	91587	< 950.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-M1-S	92.05127	95578	< 950.		UG/KG	8/19/92		o-Chlorophenol
53-SC-M1-S	92.05127	7005723	< 950.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-M1-S	92.05127	218019	< 950.		UG/KG	8/19/92		Chrysene
53-SC-M1-S	92.05127	84742	< 950.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-M1-S	92.05127	117840	< 950.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-M1-S	92.05127	53703	< 950.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-M1-S	92.05127	132649	< 950.		UG/KG	8/19/92		Dibenzofuran
53-SC-M1-S	92.05127	95501	< 950.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-M1-S	92.05127	541731	< 950.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-M1-S	92.05127	106467	< 950.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-M1-S	92.05127	91941	< 950.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-M1-S	92.05127	120832	< 950.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-M1-S	92.05127	84662	< 950.		UG/KG	8/19/92		Diethyl phthalate
53-SC-M1-S	92.05127	131113	< 950.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-M1-S	92.05127	105679	< 950.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-M1-S	92.05127	51285	< 950.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-M1-S	92.05127	121142	< 950.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-M1-S	92.05127	606202	< 950.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-M1-S	92.05127	206440	< 950.		UG/KG	8/19/92		Fluoranthene
53-SC-M1-S	92.05127	86737	< 950.		UG/KG	8/19/92		Fluorene
53-SC-M1-S	92.05127	118741	< 950.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-M1-S	92.05127	87683	< 950.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-M1-S	92.05127	77474	< 950.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-M1-S	92.05127	67721	< 950.		UG/KG	8/19/92		Hexachloroethane
53-SC-M1-S	92.05127	193395	< 950.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-M1-S	92.05127	78591	< 950.		UG/KG	8/19/92		Isophorone
53-SC-M1-S	92.05127	534521	< 950.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-M1-S	92.05127	91576	< 950.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-M1-S	92.05127	95487	< 950.		UG/KG	8/19/92		2-Methylphenol
53-SC-M1-S	92.05127	106445	< 950.		UG/KG	8/19/92		4-Methylphenol
53-SC-M1-S	92.05127	91203	< 950.		UG/KG	8/19/92		Naphthalene
53-SC-M1-S	92.05127	88744	< 950.		UG/KG	8/19/92		2-Nitroaniline
53-SC-M1-S	92.05127	99092	< 950.		UG/KG	8/19/92		3-Nitroaniline
53-SC-M1-S	92.05127	100016	< 950.		UG/KG	8/19/92		4-Nitroaniline
53-SC-M1-S	92.05127	98953	< 950.		UG/KG	8/19/92		Nitrobenzene
53-SC-M1-S	92.05127	88755	< 950.		UG/KG	8/19/92		2-Nitrophenol
53-SC-M1-S	92.05127	100027	< 950.		UG/KG	8/19/92		4-Nitrophenol
53-SC-M1-S	92.05127	621647	< 950.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-M1-S	92.05127	62759	< 950.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-M1-S	92.05127	86306	< 950.		UG/KG	8/19/92		N-Nitrosodiphenylamine

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-M1-S	92.05127	87865	< 950.		UG/KG	8/19/92		Pentachlorophenol
53-SC-M1-S	92.05127	85018	< 950.		UG/KG	8/19/92		Phenanthrene
53-SC-M1-S	92.05127	108952	< 950.		UG/KG	8/19/92		Phenol
53-SC-M1-S	92.05127	129000	< 950.		UG/KG	8/19/92		Pyrene
53-SC-M1-S	92.05127	120821	< 950.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-M1-S	92.05127	95954	< 950.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-M1-S	92.05127	88062	< 950.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05127

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05128 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-N1-S	92.05128	83329	< 990.		UG/KG	8/19/92		Acenaphthene
53-SC-N1-S	92.05128	208968	< 990.		UG/KG	8/19/92		Acenaphthylene
53-SC-N1-S	92.05128	62533	< 990.		UG/KG	8/19/92		Aniline
53-SC-N1-S	92.05128	120127	< 990.		UG/KG	8/19/92		Anthracene
53-SC-N1-S	92.05128	103333	< 990.		UG/KG	8/19/92		Azobenzene
53-SC-N1-S	92.05128	92875	< 990.		UG/KG	8/19/92		m-Benzidine
53-SC-N1-S	92.05128	56553	< 990.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-N1-S	92.05128	50328	< 990.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-N1-S	92.05128	205992	< 990.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-N1-S	92.05128	191242	< 990.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-N1-S	92.05128	207089	< 990.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-N1-S	92.05128	65850	< 990.		UG/KG	8/19/92		Benzoic acid
53-SC-N1-S	92.05128	100516	< 990.		UG/KG	8/19/92		Benzyl alcohol
53-SC-N1-S	92.05128	111911	< 990.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-N1-S	92.05128	111444	< 990.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-N1-S	92.05128	108601	< 990.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-N1-S	92.05128	117817	< 990.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-N1-S	92.05128	101553	< 990.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-N1-S	92.05128	85687	< 990.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-N1-S	92.05128	59507	< 990.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-N1-S	92.05128	106478	< 990.		UG/KG	8/19/92		4-Chloroaniline
53-SC-N1-S	92.05128	91587	< 990.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-N1-S	92.05128	95578	< 990.		UG/KG	8/19/92		o-Chlorophenol
53-SC-N1-S	92.05128	7005723	< 990.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-N1-S	92.05128	218019	< 990.		UG/KG	8/19/92		Chrysene
53-SC-N1-S	92.05128	84742	< 990.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-N1-S	92.05128	117840	< 990.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-N1-S	92.05128	53703	< 990.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-N1-S	92.05128	132649	< 990.		UG/KG	8/19/92		Dibenzofuran
53-SC-N1-S	92.05128	95501	< 990.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-N1-S	92.05128	541731	< 990.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-N1-S	92.05128	106467	< 990.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-N1-S	92.05128	91941	< 990.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-N1-S	92.05128	120832	< 990.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-N1-S	92.05128	84662	< 990.		UG/KG	8/19/92		Diethyl phthalate
53-SC-N1-S	92.05128	131113	< 990.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-N1-S	92.05128	105679	< 990.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-N1-S	92.05128	51285	< 990.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-N1-S	92.05128	121142	< 990.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-N1-S	92.05128	606202	< 990.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-N1-S	92.05128	206440	< 990.		UG/KG	8/19/92		Fluoranthene
53-SC-N1-S	92.05128	86737	< 990.		UG/KG	8/19/92		Fluorene
53-SC-N1-S	92.05128	118741	< 990.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-N1-S	92.05128	87683	< 990.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-N1-S	92.05128	77474	< 990.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-N1-S	92.05128	67721	< 990.		UG/KG	8/19/92		Hexachloroethane
53-SC-N1-S	92.05128	193395	< 990.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-N1-S	92.05128	78591	< 990.		UG/KG	8/19/92		Isophorone
53-SC-N1-S	92.05128	534521	< 990.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-N1-S	92.05128	91576	< 990.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-N1-S	92.05128	95487	< 990.		UG/KG	8/19/92		2-Methylphenol
53-SC-N1-S	92.05128	106445	< 990.		UG/KG	8/19/92		4-Methylphenol
53-SC-N1-S	92.05128	91203	< 990.		UG/KG	8/19/92		Naphthalene
53-SC-N1-S	92.05128	88744	< 990.		UG/KG	8/19/92		2-Nitroaniline
53-SC-N1-S	92.05128	99092	< 990.		UG/KG	8/19/92		3-Nitroaniline
53-SC-N1-S	92.05128	100016	< 990.		UG/KG	8/19/92		4-Nitroaniline
53-SC-N1-S	92.05128	98953	< 990.		UG/KG	8/19/92		Nitrobenzene
53-SC-N1-S	92.05128	88755	< 990.		UG/KG	8/19/92		2-Nitrophenol
53-SC-N1-S	92.05128	100027	< 990.		UG/KG	8/19/92		4-Nitrophenol
53-SC-N1-S	92.05128	621647	< 990.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-N1-S	92.05128	62759	< 990.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-N1-S	92.05128	86306	< 990.		UG/KG	8/19/92		N-Nitrosodiphenylamine

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-N1-S	92.05128	87865	< 990.		UG/KG	8/19/92		Pentachlorophenol
53-SC-N1-S	92.05128	85018	< 990.		UG/KG	8/19/92		Phenanthrene
53-SC-N1-S	92.05128	108952	< 990.		UG/KG	8/19/92		Phenol
53-SC-N1-S	92.05128	129000	< 990.		UG/KG	8/19/92		Pyrene
53-SC-N1-S	92.05128	120821	< 990.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-N1-S	92.05128	95954	< 990.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-N1-S	92.05128	88062	< 990.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05128

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05129 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/29/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-01-S	92.05129	83329	< 940.		UG/KG	8/19/92		Acenaphthene
53-SC-01-S	92.05129	208968	< 940.		UG/KG	8/19/92		Acenaphthylene
53-SC-01-S	92.05129	62533	< 940.		UG/KG	8/19/92		Aniline
53-SC-01-S	92.05129	120127	< 940.		UG/KG	8/19/92		Anthracene
53-SC-01-S	92.05129	103333	< 940.		UG/KG	8/19/92		Azobenzene
53-SC-01-S	92.05129	92875	< 940.		UG/KG	8/19/92		m-Benzidine
53-SC-01-S	92.05129	56553	< 940.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-01-S	92.05129	50328	< 940.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-01-S	92.05129	205992	< 940.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-01-S	92.05129	191242	< 940.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-01-S	92.05129	207089	< 940.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-01-S	92.05129	65850	< 940.		UG/KG	8/19/92		Benzoic acid
53-SC-01-S	92.05129	100516	< 940.		UG/KG	8/19/92		Benzyl alcohol
53-SC-01-S	92.05129	111911	< 940.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-01-S	92.05129	111444	< 940.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-01-S	92.05129	108601	< 940.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-01-S	92.05129	117817	< 940.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-01-S	92.05129	101553	< 940.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-01-S	92.05129	85687	< 940.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-01-S	92.05129	59507	< 940.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-01-S	92.05129	106478	< 940.		UG/KG	8/19/92		4-Chloroaniline
53-SC-01-S	92.05129	91587	< 940.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-01-S	92.05129	95578	< 940.		UG/KG	8/19/92		o-Chlorophenol
53-SC-01-S	92.05129	7005723	< 940.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-01-S	92.05129	218019	< 940.		UG/KG	8/19/92		Chrysene
53-SC-01-S	92.05129	84742	< 940.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-01-S	92.05129	117840	< 940.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-01-S	92.05129	53703	< 940.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-01-S	92.05129	132649	< 940.		UG/KG	8/19/92		Dibenzofuran
53-SC-01-S	92.05129	95501	< 940.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-01-S	92.05129	541731	< 940.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-01-S	92.05129	106467	< 940.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-01-S	92.05129	91941	< 940.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-01-S	92.05129	120832	< 940.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-01-S	92.05129	84662	< 940.		UG/KG	8/19/92		Diethyl phthalate
53-SC-01-S	92.05129	131113	< 940.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-01-S	92.05129	105679	< 940.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-01-S	92.05129	51285	< 940.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-01-S	92.05129	121142	< 940.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-01-S	92.05129	606202	< 940.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-01-S	92.05129	206440	< 940.		UG/KG	8/19/92		Fluoranthene
53-SC-01-S	92.05129	86737	< 940.		UG/KG	8/19/92		Fluorene
53-SC-01-S	92.05129	118741	< 940.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-01-S	92.05129	87683	< 940.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-01-S	92.05129	77474	< 940.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-01-S	92.05129	67721	< 940.		UG/KG	8/19/92		Hexachloroethane
53-SC-01-S	92.05129	193395	< 940.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-01-S	92.05129	78591	< 940.		UG/KG	8/19/92		Isophorone
53-SC-01-S	92.05129	534521	< 940.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-01-S	92.05129	91576	< 940.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-01-S	92.05129	95487	< 940.		UG/KG	8/19/92		2-Methylphenol
53-SC-01-S	92.05129	106445	< 940.		UG/KG	8/19/92		4-Methylphenol
53-SC-01-S	92.05129	91203	< 940.		UG/KG	8/19/92		Naphthalene
53-SC-01-S	92.05129	88744	< 940.		UG/KG	8/19/92		2-Nitroaniline
53-SC-01-S	92.05129	99092	< 940.		UG/KG	8/19/92		3-Nitroaniline
53-SC-01-S	92.05129	100016	< 940.		UG/KG	8/19/92		4-Nitroaniline
53-SC-01-S	92.05129	98953	< 940.		UG/KG	8/19/92		Nitrobenzene
53-SC-01-S	92.05129	88755	< 940.		UG/KG	8/19/92		2-Nitrophenol
53-SC-01-S	92.05129	100027	< 940.		UG/KG	8/19/92		4-Nitrophenol
53-SC-01-S	92.05129	621647	< 940.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-01-S	92.05129	62759	< 940.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-01-S	92.05129	86306	< 940.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-01-S	92.05129	87865	< 940.		UG/KG	8/19/92		Pentachlorophenol
53-SC-01-S	92.05129	85018	< 940.		UG/KG	8/19/92		Phenanthrene
53-SC-01-S	92.05129	108952	< 940.		UG/KG	8/19/92		Phenol
53-SC-01-S	92.05129	129000	< 940.		UG/KG	8/19/92		Pyrene
53-SC-01-S	92.05129	120821	< 940.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-01-S	92.05129	95954	< 940.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-01-S	92.05129	88062	< 940.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05129

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05130 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/31/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-P1-S	92.05130	83329	< 940.		UG/KG	8/19/92		Acenaphthene
53-SC-P1-S	92.05130	208968	< 940.		UG/KG	8/19/92		Acenaphthylene
53-SC-P1-S	92.05130	62533	< 940.		UG/KG	8/19/92		Aniline
53-SC-P1-S	92.05130	120127	< 940.		UG/KG	8/19/92		Anthracene
53-SC-P1-S	92.05130	103333	< 940.		UG/KG	8/19/92		Azobenzene
53-SC-P1-S	92.05130	92875	< 940.		UG/KG	8/19/92		m-Benzidine
53-SC-P1-S	92.05130	56553	< 940.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-P1-S	92.05130	50328	< 940.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-P1-S	92.05130	205992	< 940.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-P1-S	92.05130	191242	< 940.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-P1-S	92.05130	207089	< 940.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-P1-S	92.05130	65850	< 940.		UG/KG	8/19/92		Benzoic acid
53-SC-P1-S	92.05130	100516	< 940.		UG/KG	8/19/92		Benzyl alcohol
53-SC-P1-S	92.05130	111911	< 940.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-P1-S	92.05130	111444	< 940.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-P1-S	92.05130	108601	< 940.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-P1-S	92.05130	117817	1300.	[illegible]	UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-P1-S	92.05130	101553	< 940.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-P1-S	92.05130	85687	< 940.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-P1-S	92.05130	59507	< 940.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-P1-S	92.05130	106478	< 940.		UG/KG	8/19/92		4-Chloroaniline
53-SC-P1-S	92.05130	91587	< 940.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-P1-S	92.05130	95578	< 940.		UG/KG	8/19/92		o-Chlorophenol
53-SC-P1-S	92.05130	7005723	< 940.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-P1-S	92.05130	218019	< 940.		UG/KG	8/19/92		Chrysene
53-SC-P1-S	92.05130	84742	< 940.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-P1-S	92.05130	117840	< 940.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-P1-S	92.05130	53703	< 940.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-P1-S	92.05130	132649	< 940.		UG/KG	8/19/92		Dibenzofuran
53-SC-P1-S	92.05130	95501	< 940.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-P1-S	92.05130	541731	< 940.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-P1-S	92.05130	106467	< 940.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-P1-S	92.05130	91941	< 940.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-P1-S	92.05130	120832	< 940.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-P1-S	92.05130	84662	< 940.		UG/KG	8/19/92		Diethyl phthalate
53-SC-P1-S	92.05130	131113	< 940.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-P1-S	92.05130	105679	< 940.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-P1-S	92.05130	51285	< 940.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-P1-S	92.05130	121142	< 940.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-P1-S	92.05130	606202	< 940.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-P1-S	92.05130	206440	< 940.		UG/KG	8/19/92		Fluoranthene
53-SC-P1-S	92.05130	86737	< 940.		UG/KG	8/19/92		Fluorene
53-SC-P1-S	92.05130	118741	< 940.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-P1-S	92.05130	87683	< 940.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-P1-S	92.05130	77474	< 940.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-P1-S	92.05130	67721	< 940.		UG/KG	8/19/92		Hexachloroethane
53-SC-P1-S	92.05130	193395	< 940.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-P1-S	92.05130	78591	< 940.		UG/KG	8/19/92		Isophorone
53-SC-P1-S	92.05130	534521	< 940.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-P1-S	92.05130	91576	< 940.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-P1-S	92.05130	95487	< 940.		UG/KG	8/19/92		2-Methylphenol
53-SC-P1-S	92.05130	106445	< 940.		UG/KG	8/19/92		4-Methylphenol
53-SC-P1-S	92.05130	91203	< 940.		UG/KG	8/19/92		Naphthalene
53-SC-P1-S	92.05130	88744	< 940.		UG/KG	8/19/92		2-Nitroaniline
53-SC-P1-S	92.05130	99092	< 940.		UG/KG	8/19/92		3-Nitroaniline
53-SC-P1-S	92.05130	100016	< 940.		UG/KG	8/19/92		4-Nitroaniline
53-SC-P1-S	92.05130	98953	< 940.		UG/KG	8/19/92		Nitrobenzene
53-SC-P1-S	92.05130	88755	< 940.		UG/KG	8/19/92		2-Nitrophenol
53-SC-P1-S	92.05130	100027	< 940.		UG/KG	8/19/92		4-Nitrophenol
53-SC-P1-S	92.05130	621647	< 940.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-P1-S	92.05130	62759	< 940.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-P1-S	92.05130	86306	< 940.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-P1-S	92.05130	87865	< 940.		UG/KG	8/19/92		Pentachlorophenol
53-SC-P1-S	92.05130	85018	< 940.		UG/KG	8/19/92		Phenanthrene
53-SC-P1-S	92.05130	108952	< 940.		UG/KG	8/19/92		Phenol
53-SC-P1-S	92.05130	129000	< 940.		UG/KG	8/19/92		Pyrene
53-SC-P1-S	92.05130	120821	< 940.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-P1-S	92.05130	95954	< 940.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-P1-S	92.05130	88062	< 940.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05130

none

REPOR. ER: 14942

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05131 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/31/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-Q1-S	92.05131	83329	< 970.		UG/KG	8/19/92		Acenaphthene
53-SC-Q1-S	92.05131	208968	< 970.		UG/KG	8/19/92		Acenaphthylene
53-SC-Q1-S	92.05131	62533	< 970.		UG/KG	8/19/92		Aniline
53-SC-Q1-S	92.05131	120127	< 970.		UG/KG	8/19/92		Anthracene
53-SC-Q1-S	92.05131	103333	< 970.		UG/KG	8/19/92		Azobenzene
53-SC-Q1-S	92.05131	92875	< 970.		UG/KG	8/19/92		m-Benzidine
53-SC-Q1-S	92.05131	56553	< 970.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-Q1-S	92.05131	50328	< 970.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-Q1-S	92.05131	205992	< 970.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-Q1-S	92.05131	191242	< 970.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-Q1-S	92.05131	207089	< 970.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-Q1-S	92.05131	65850	< 970.		UG/KG	8/19/92		Benzoic acid
53-SC-Q1-S	92.05131	100516	< 970.		UG/KG	8/19/92		Benzyl alcohol
53-SC-Q1-S	92.05131	111911	< 970.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-Q1-S	92.05131	111444	< 970.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-Q1-S	92.05131	108601	< 970.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-Q1-S	92.05131	117817	< 970.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-Q1-S	92.05131	101553	< 970.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-Q1-S	92.05131	85687	< 970.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-Q1-S	92.05131	59507	< 970.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-Q1-S	92.05131	106478	< 970.		UG/KG	8/19/92		4-Chloroaniline
53-SC-Q1-S	92.05131	91587	< 970.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-Q1-S	92.05131	95578	< 970.		UG/KG	8/19/92		o-Chlorophenol
53-SC-Q1-S	92.05131	7005723	< 970.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-Q1-S	92.05131	218019	< 970.		UG/KG	8/19/92		Chrysene
53-SC-Q1-S	92.05131	84742	< 970.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-Q1-S	92.05131	117840	< 970.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-Q1-S	92.05131	53703	< 970.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-Q1-S	92.05131	132649	< 970.		UG/KG	8/19/92		Dibenzofuran
53-SC-Q1-S	92.05131	95501	< 970.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-Q1-S	92.05131	541731	< 970.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-Q1-S	92.05131	106467	< 970.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-Q1-S	92.05131	91941	< 970.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-Q1-S	92.05131	120832	< 970.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-Q1-S	92.05131	84662	< 970.		UG/KG	8/19/92		Diethyl phthalate
53-SC-Q1-S	92.05131	131113	< 970.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-Q1-S	92.05131	105679	< 970.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-Q1-S	92.05131	51285	< 970.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-Q1-S	92.05131	121142	< 970.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-Q1-S	92.05131	606202	< 970.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-Q1-S	92.05131	206440	< 970.		UG/KG	8/19/92		Fluoranthene
53-SC-Q1-S	92.05131	86737	< 970.		UG/KG	8/19/92		Fluorene
53-SC-Q1-S	92.05131	118741	< 970.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-Q1-S	92.05131	87683	< 970.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-Q1-S	92.05131	77474	< 970.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-Q1-S	92.05131	67721	< 970.		UG/KG	8/19/92		Hexachloroethane
53-SC-Q1-S	92.05131	193395	< 970.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-Q1-S	92.05131	78591	< 970.		UG/KG	8/19/92		Isophorone
53-SC-Q1-S	92.05131	534521	< 970.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-Q1-S	92.05131	91576	< 970.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-Q1-S	92.05131	95487	< 970.		UG/KG	8/19/92		2-Methylphenol
53-SC-Q1-S	92.05131	106445	< 970.		UG/KG	8/19/92		4-Methylphenol
53-SC-Q1-S	92.05131	91203	< 970.		UG/KG	8/19/92		Naphthalene
53-SC-Q1-S	92.05131	88744	< 970.		UG/KG	8/19/92		2-Nitroaniline
53-SC-Q1-S	92.05131	99092	< 970.		UG/KG	8/19/92		3-Nitroaniline
53-SC-Q1-S	92.05131	100016	< 970.		UG/KG	8/19/92		4-Nitroaniline
53-SC-Q1-S	92.05131	98953	< 970.		UG/KG	8/19/92		Nitrobenzene
53-SC-Q1-S	92.05131	88755	< 970.		UG/KG	8/19/92		2-Nitrophenol
53-SC-Q1-S	92.05131	100027	< 970.		UG/KG	8/19/92		4-Nitrophenol
53-SC-Q1-S	92.05131	621647	< 970.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-Q1-S	92.05131	62759	< 970.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-Q1-S	92.05131	86306	< 970.		UG/KG	8/19/92		N-Nitrosodiphenylamine

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-Q1-S	92.05131	87865	< 970.		UG/KG	8/19/92		Pentachlorophenol
53-SC-Q1-S	92.05131	85018	< 970.		UG/KG	8/19/92		Phenanthrene
53-SC-Q1-S	92.05131	108952	< 970.		UG/KG	8/19/92		Phenol
53-SC-Q1-S	92.05131	129000	< 970.		UG/KG	8/19/92		Pyrene
53-SC-Q1-S	92.05131	120821	< 970.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-Q1-S	92.05131	95954	< 970.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-Q1-S	92.05131	88062	< 970.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05131

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05132 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/31/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-R1-S	92.05132	83329	< 950.		UG/KG	8/19/92		Acenaphthene
53-SC-R1-S	92.05132	208968	< 950.		UG/KG	8/19/92		Acenaphthylene
53-SC-R1-S	92.05132	62533	< 950.		UG/KG	8/19/92		Aniline
53-SC-R1-S	92.05132	120127	< 950.		UG/KG	8/19/92		Anthracene
53-SC-R1-S	92.05132	103333	< 950.		UG/KG	8/19/92		Azobenzene
53-SC-R1-S	92.05132	92875	< 950.		UG/KG	8/19/92		m-Benzidine
53-SC-R1-S	92.05132	56553	< 950.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-R1-S	92.05132	50328	< 950.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-R1-S	92.05132	205992	< 950.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-R1-S	92.05132	191242	< 950.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-R1-S	92.05132	207089	< 950.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-R1-S	92.05132	65850	< 950.		UG/KG	8/19/92		Benzoic acid
53-SC-R1-S	92.05132	100516	< 950.		UG/KG	8/19/92		Benzyl alcohol
53-SC-R1-S	92.05132	111911	< 950.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-R1-S	92.05132	111444	< 950.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-R1-S	92.05132	108601	< 950.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-R1-S	92.05132	117817	< 950.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-R1-S	92.05132	101553	< 950.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-R1-S	92.05132	85687	< 950.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-R1-S	92.05132	59507	< 950.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-R1-S	92.05132	106478	< 950.		UG/KG	8/19/92		4-Chloroaniline
53-SC-R1-S	92.05132	91587	< 950.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-R1-S	92.05132	95578	< 950.		UG/KG	8/19/92		o-Chlorophenol
53-SC-R1-S	92.05132	7005723	< 950.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-R1-S	92.05132	218019	< 950.		UG/KG	8/19/92		Chrysene
53-SC-R1-S	92.05132	84742	< 950.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-R1-S	92.05132	117840	< 950.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-R1-S	92.05132	53703	< 950.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-R1-S	92.05132	132649	< 950.		UG/KG	8/19/92		Dibenzofuran
53-SC-R1-S	92.05132	95501	< 950.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-R1-S	92.05132	541731	< 950.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-R1-S	92.05132	106467	< 950.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-R1-S	92.05132	91941	< 950.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-R1-S	92.05132	120832	< 950.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-R1-S	92.05132	84662	< 950.		UG/KG	8/19/92		Diethyl phthalate
53-SC-R1-S	92.05132	131113	< 950.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-R1-S	92.05132	105679	< 950.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-R1-S	92.05132	51285	< 950.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-R1-S	92.05132	121142	< 950.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-R1-S	92.05132	606202	< 950.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-R1-S	92.05132	206440	< 950.		UG/KG	8/19/92		Fluoranthene
53-SC-R1-S	92.05132	86737	< 950.		UG/KG	8/19/92		Fluorene
53-SC-R1-S	92.05132	118741	< 950.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-R1-S	92.05132	87683	< 950.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-R1-S	92.05132	77474	< 950.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-R1-S	92.05132	67721	< 950.		UG/KG	8/19/92		Hexachloroethane
53-SC-R1-S	92.05132	193395	< 950.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-R1-S	92.05132	78591	< 950.		UG/KG	8/19/92		Isophorone
53-SC-R1-S	92.05132	534521	< 950.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-R1-S	92.05132	91576	< 950.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-R1-S	92.05132	95487	< 950.		UG/KG	8/19/92		2-Methylphenol
53-SC-R1-S	92.05132	106445	< 950.		UG/KG	8/19/92		4-Methylphenol
53-SC-R1-S	92.05132	91203	< 950.		UG/KG	8/19/92		Naphthalene
53-SC-R1-S	92.05132	88744	< 950.		UG/KG	8/19/92		2-Nitroaniline
53-SC-R1-S	92.05132	99092	< 950.		UG/KG	8/19/92		3-Nitroaniline
53-SC-R1-S	92.05132	100016	< 950.		UG/KG	8/19/92		4-Nitroaniline
53-SC-R1-S	92.05132	98953	< 950.		UG/KG	8/19/92		Nitrobenzene
53-SC-R1-S	92.05132	88755	< 950.		UG/KG	8/19/92		2-Nitrophenol
53-SC-R1-S	92.05132	100027	< 950.		UG/KG	8/19/92		4-Nitrophenol
53-SC-R1-S	92.05132	621647	< 950.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-R1-S	92.05132	62759	< 950.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-R1-S	92.05132	86306	< 950.		UG/KG	8/19/92		N-Nitrosodiphenylamine

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-R1-S	92.05132	87865	< 950.		UG/KG	8/19/92		Pentachlorophenol
53-SC-R1-S	92.05132	85018	< 950.		UG/KG	8/19/92		Phenanthrene
53-SC-R1-S	92.05132	108952	< 950.		UG/KG	8/19/92		Phenol
53-SC-R1-S	92.05132	129000	< 950.		UG/KG	8/19/92		Pyrene
53-SC-R1-S	92.05132	120821	< 950.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-R1-S	92.05132	95954	< 950.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-R1-S	92.05132	88062	< 950.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05132

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05133 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 5/31/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-S1-S	92.05133	83329	< 10000.		UG/KG	8/19/92		Acenaphthene
53-SC-S1-S	92.05133	208968	< 10000.		UG/KG	8/19/92		Acenaphthylene
53-SC-S1-S	92.05133	62533	< 10000.		UG/KG	8/19/92		Aniline
53-SC-S1-S	92.05133	120127	< 10000.		UG/KG	8/19/92		Anthracene
53-SC-S1-S	92.05133	103333	< 10000.		UG/KG	8/19/92		Azobenzene
53-SC-S1-S	92.05133	92875	< 10000.		UG/KG	8/19/92		m-Benzidine
53-SC-S1-S	92.05133	56553	< 10000.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-S1-S	92.05133	50328	< 10000.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-S1-S	92.05133	205992	< 10000.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-S1-S	92.05133	191242	< 10000.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-S1-S	92.05133	207089	< 10000.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-S1-S	92.05133	65850	< 10000.		UG/KG	8/19/92		Benzoic acid
53-SC-S1-S	92.05133	100516	< 10000.		UG/KG	8/19/92		Benzyl alcohol
53-SC-S1-S	92.05133	111911	< 10000.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-S1-S	92.05133	111444	< 10000.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-S1-S	92.05133	108601	< 10000.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-S1-S	92.05133	117817	< 10000.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-S1-S	92.05133	101553	< 10000.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-S1-S	92.05133	85687	< 10000.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-S1-S	92.05133	59507	< 10000.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-S1-S	92.05133	106478	< 10000.		UG/KG	8/19/92		4-Chloroaniline
53-SC-S1-S	92.05133	91587	< 10000.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-S1-S	92.05133	95578	< 10000.		UG/KG	8/19/92		o-Chlorophenol
53-SC-S1-S	92.05133	7005723	< 10000.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-S1-S	92.05133	218019	< 10000.		UG/KG	8/19/92		Chrysene
53-SC-S1-S	92.05133	84742	< 10000.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-S1-S	92.05133	117840	< 10000.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-S1-S	92.05133	53703	< 10000.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-S1-S	92.05133	132649	< 10000.		UG/KG	8/19/92		Dibenzofuran
53-SC-S1-S	92.05133	95501	< 10000.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-S1-S	92.05133	541731	< 10000.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-S1-S	92.05133	106467	< 10000.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-S1-S	92.05133	91941	< 10000.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-S1-S	92.05133	120832	< 10000.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-S1-S	92.05133	84662	< 10000.		UG/KG	8/19/92		Diethyl phthalate
53-SC-S1-S	92.05133	131113	< 10000.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-S1-S	92.05133	105679	< 10000.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-S1-S	92.05133	51285	< 10000.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-S1-S	92.05133	121142	< 10000.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-S1-S	92.05133	606202	< 10000.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-S1-S	92.05133	206440	< 10000.		UG/KG	8/19/92		Fluoranthene
53-SC-S1-S	92.05133	86737	< 10000.		UG/KG	8/19/92		Fluorene
53-SC-S1-S	92.05133	118741	< 10000.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-S1-S	92.05133	87683	< 10000.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-S1-S	92.05133	77474	< 10000.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-S1-S	92.05133	67721	< 10000.		UG/KG	8/19/92		Hexachloroethane
53-SC-S1-S	92.05133	193395	< 10000.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-S1-S	92.05133	78591	< 10000.		UG/KG	8/19/92		Isophorone
53-SC-S1-S	92.05133	534521	< 10000.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-S1-S	92.05133	91576	< 10000.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-S1-S	92.05133	95487	< 10000.		UG/KG	8/19/92		2-Methylphenol
53-SC-S1-S	92.05133	106445	< 10000.		UG/KG	8/19/92		4-Methylphenol
53-SC-S1-S	92.05133	91203	< 10000.		UG/KG	8/19/92		Naphthalene
53-SC-S1-S	92.05133	88744	< 10000.		UG/KG	8/19/92		2-Nitroaniline
53-SC-S1-S	92.05133	99092	< 10000.		UG/KG	8/19/92		3-Nitroaniline
53-SC-S1-S	92.05133	100016	< 10000.		UG/KG	8/19/92		4-Nitroaniline
53-SC-S1-S	92.05133	98953	< 10000.		UG/KG	8/19/92		Nitrobenzene
53-SC-S1-S	92.05133	88755	< 10000.		UG/KG	8/19/92		2-Nitrophenol
53-SC-S1-S	92.05133	100027	< 10000.		UG/KG	8/19/92		4-Nitrophenol
53-SC-S1-S	92.05133	621647	< 10000.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-S1-S	92.05133	62759	< 10000.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-S1-S	92.05133	86306	< 10000.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-S1-S	92.05133	87865	< 10000.		UG/KG	8/19/92		Pentachlorophenol
53-SC-S1-S	92.05133	85018	< 10000.		UG/KG	8/19/92		Phenanthrene
53-SC-S1-S	92.05133	108952	< 10000.		UG/KG	8/19/92		Phenol
53-SC-S1-S	92.05133	129000	< 10000.		UG/KG	8/19/92		Pyrene
53-SC-S1-S	92.05133	120821	< 10000.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-S1-S	92.05133	95954	< 10000.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-S1-S	92.05133	88062	< 10000.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05133

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05134 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 5/31/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-T1-S	92.05134	83329	< 10000.		UG/KG	8/19/92		Acenaphthene
53-SC-T1-S	92.05134	208968	< 10000.		UG/KG	8/19/92		Acenaphthylene
53-SC-T1-S	92.05134	62533	< 10000.		UG/KG	8/19/92		Aniline
53-SC-T1-S	92.05134	120127	< 10000.		UG/KG	8/19/92		Anthracene
53-SC-T1-S	92.05134	103333	< 10000.		UG/KG	8/19/92		Azobenzene
53-SC-T1-S	92.05134	92875	< 10000.		UG/KG	8/19/92		m-Benzidine
53-SC-T1-S	92.05134	56553	< 10000.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-T1-S	92.05134	50328	< 10000.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-T1-S	92.05134	205992	< 10000.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-T1-S	92.05134	191242	< 10000.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-T1-S	92.05134	207089	< 10000.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-T1-S	92.05134	65850	< 10000.		UG/KG	8/19/92		Benzoic acid
53-SC-T1-S	92.05134	100516	< 10000.		UG/KG	8/19/92		Benzyl alcohol
53-SC-T1-S	92.05134	111911	< 10000.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-T1-S	92.05134	111444	< 10000.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-T1-S	92.05134	108601	< 10000.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-T1-S	92.05134	117817	< 10000.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-T1-S	92.05134	101553	< 10000.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-T1-S	92.05134	85687	< 10000.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-T1-S	92.05134	59507	< 10000.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-T1-S	92.05134	106478	< 10000.		UG/KG	8/19/92		4-Chloroaniline
53-SC-T1-S	92.05134	91587	< 10000.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-T1-S	92.05134	95578	< 10000.		UG/KG	8/19/92		o-Chlorophenol
53-SC-T1-S	92.05134	7005723	< 10000.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-T1-S	92.05134	218019	< 10000.		UG/KG	8/19/92		Chrysene
53-SC-T1-S	92.05134	84742	< 10000.		UG/KG	8/19/92		Di-n-butyl phthalate

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-T1-S	92.05134	117840	< 10000.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-T1-S	92.05134	53703	< 10000.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-T1-S	92.05134	132649	< 10000.		UG/KG	8/19/92		Dibenzofuran
53-SC-T1-S	92.05134	95501	< 10000.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-T1-S	92.05134	541731	< 10000.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-T1-S	92.05134	106467	< 10000.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-T1-S	92.05134	91941	< 10000.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-T1-S	92.05134	120832	< 10000.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-T1-S	92.05134	84662	< 10000.		UG/KG	8/19/92		Diethyl phthalate
53-SC-T1-S	92.05134	131113	< 10000.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-T1-S	92.05134	105679	< 10000.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-T1-S	92.05134	51285	< 10000.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-T1-S	92.05134	121142	< 10000.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-T1-S	92.05134	606202	< 10000.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-T1-S	92.05134	206440	< 10000.		UG/KG	8/19/92		Fluoranthene
53-SC-T1-S	92.05134	86737	< 10000.		UG/KG	8/19/92		Fluorene
53-SC-T1-S	92.05134	118741	< 10000.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-T1-S	92.05134	87683	< 10000.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-T1-S	92.05134	77474	< 10000.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-T1-S	92.05134	67721	< 10000.		UG/KG	8/19/92		Hexachloroethane
53-SC-T1-S	92.05134	193395	< 10000.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-T1-S	92.05134	78591	< 10000.		UG/KG	8/19/92		Isophorone
53-SC-T1-S	92.05134	534521	< 10000.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-T1-S	92.05134	91576	< 10000.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-T1-S	92.05134	95487	< 10000.		UG/KG	8/19/92		2-Methylphenol
53-SC-T1-S	92.05134	106445	< 10000.		UG/KG	8/19/92		4-Methylphenol
53-SC-T1-S	92.05134	91203	< 10000.		UG/KG	8/19/92		Naphthalene
53-SC-T1-S	92.05134	88744	< 10000.		UG/KG	8/19/92		2-Nitroaniline
53-SC-T1-S	92.05134	99092	< 10000.		UG/KG	8/19/92		3-Nitroaniline
53-SC-T1-S	92.05134	100016	< 10000.		UG/KG	8/19/92		4-Nitroaniline
53-SC-T1-S	92.05134	98953	< 10000.		UG/KG	8/19/92		Nitrobenzene
53-SC-T1-S	92.05134	88755	< 10000.		UG/KG	8/19/92		2-Nitrophenol
53-SC-T1-S	92.05134	100027	< 10000.		UG/KG	8/19/92		4-Nitrophenol
53-SC-T1-S	92.05134	621647	< 10000.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-T1-S	92.05134	62759	< 10000.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-T1-S	92.05134	86306	< 10000.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-T1-S	92.05134	87865	< 10000.		UG/KG	8/19/92		Pentachlorophenol
53-SC-T1-S	92.05134	85018	< 10000.		UG/KG	8/19/92		Phenanthrene
53-SC-T1-S	92.05134	108952	< 10000.		UG/KG	8/19/92		Phenol
53-SC-T1-S	92.05134	129000	< 10000.		UG/KG	8/19/92		Pyrene
53-SC-T1-S	92.05134	120821	< 10000.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-T1-S	92.05134	95954	< 10000.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-T1-S	92.05134	88062	< 10000.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05134

none

REPORT NUMBER: 14942

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05135 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 6/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-U1-S	92.05135	83329	< 10000.		UG/KG	8/19/92		Acenaphthene
53-SC-U1-S	92.05135	208968	< 10000.		UG/KG	8/19/92		Acenaphthylene
53-SC-U1-S	92.05135	62533	< 10000.		UG/KG	8/19/92		Aniline
53-SC-U1-S	92.05135	120127	< 10000.		UG/KG	8/19/92		Anthracene
53-SC-U1-S	92.05135	103333	< 10000.		UG/KG	8/19/92		Azobenzene
53-SC-U1-S	92.05135	92875	< 10000.		UG/KG	8/19/92		m-Benzidine
53-SC-U1-S	92.05135	56553	< 10000.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-U1-S	92.05135	50328	< 10000.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-U1-S	92.05135	205992	< 10000.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-U1-S	92.05135	191242	< 10000.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-U1-S	92.05135	207089	< 10000.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-U1-S	92.05135	65850	< 10000.		UG/KG	8/19/92		Benzoic acid
53-SC-U1-S	92.05135	100516	< 10000.		UG/KG	8/19/92		Benzyl alcohol
53-SC-U1-S	92.05135	111911	< 10000.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-U1-S	92.05135	111444	< 10000.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-U1-S	92.05135	108601	< 10000.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-U1-S	92.05135	117817	< 10000.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-U1-S	92.05135	101553	< 10000.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-U1-S	92.05135	85687	< 10000.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-U1-S	92.05135	59507	< 10000.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-U1-S	92.05135	106478	< 10000.		UG/KG	8/19/92		4-Chloroaniline
53-SC-U1-S	92.05135	91587	< 10000.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-U1-S	92.05135	95578	< 10000.		UG/KG	8/19/92		o-Chlorophenol
53-SC-U1-S	92.05135	7005723	< 10000.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-U1-S	92.05135	218019	< 10000.		UG/KG	8/19/92		Chrysene
53-SC-U1-S	92.05135	84742	< 10000.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-U1-S	92.05135	117840	< 10000.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-U1-S	92.05135	53703	< 10000.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-U1-S	92.05135	132649	< 10000.		UG/KG	8/19/92		Dibenzofuran
53-SC-U1-S	92.05135	95501	< 10000.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-U1-S	92.05135	541731	< 10000.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-U1-S	92.05135	106467	< 10000.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-U1-S	92.05135	91941	< 10000.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-U1-S	92.05135	120832	< 10000.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-U1-S	92.05135	84662	< 10000.		UG/KG	8/19/92		Diethyl phthalate
53-SC-U1-S	92.05135	131113	< 10000.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-U1-S	92.05135	105679	< 10000.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-U1-S	92.05135	51285	< 10000.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-U1-S	92.05135	121142	< 10000.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-U1-S	92.05135	606202	< 10000.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-U1-S	92.05135	206440	< 10000.		UG/KG	8/19/92		Fluoranthene
53-SC-U1-S	92.05135	86737	< 10000.		UG/KG	8/19/92		Fluorene
53-SC-U1-S	92.05135	118741	< 10000.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-U1-S	92.05135	87683	< 10000.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-U1-S	92.05135	77474	< 10000.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-U1-S	92.05135	67721	< 10000.		UG/KG	8/19/92		Hexachloroethane
53-SC-U1-S	92.05135	193395	< 10000.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-U1-S	92.05135	78591	< 10000.		UG/KG	8/19/92		Isophorone
53-SC-U1-S	92.05135	534521	< 10000.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-U1-S	92.05135	91576	< 10000.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-U1-S	92.05135	95487	< 10000.		UG/KG	8/19/92		2-Methylphenol
53-SC-U1-S	92.05135	106445	< 10000.		UG/KG	8/19/92		4-Methylphenol
53-SC-U1-S	92.05135	91203	< 10000.		UG/KG	8/19/92		Naphthalene
53-SC-U1-S	92.05135	88744	< 10000.		UG/KG	8/19/92		2-Nitroaniline
53-SC-U1-S	92.05135	99092	< 10000.		UG/KG	8/19/92		3-Nitroaniline
53-SC-U1-S	92.05135	100016	< 10000.		UG/KG	8/19/92		4-Nitroaniline
53-SC-U1-S	92.05135	98953	< 10000.		UG/KG	8/19/92		Nitrobenzene
53-SC-U1-S	92.05135	88755	< 10000.		UG/KG	8/19/92		2-Nitrophenol
53-SC-U1-S	92.05135	100027	< 10000.		UG/KG	8/19/92		4-Nitrophenol
53-SC-U1-S	92.05135	621647	< 10000.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-U1-S	92.05135	62759	< 10000.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-U1-S	92.05135	86306	< 10000.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-U1-S	92.05135	87865	< 10000.		UG/KG	8/19/92		Pentachlorophenol
53-SC-U1-S	92.05135	85018	< 10000.		UG/KG	8/19/92		Phenanthrene
53-SC-U1-S	92.05135	108952	< 10000.		UG/KG	8/19/92		Phenol
53-SC-U1-S	92.05135	129000	< 10000.		UG/KG	8/19/92		Pyrene
53-SC-U1-S	92.05135	120821	< 10000.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-U1-S	92.05135	95954	< 10000.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-U1-S	92.05135	88062	< 10000.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05135

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05136 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 6/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-CBS-S	92.05136	83329	< 1000.		UG/KG	8/19/92		Acenaphthene
53-SC-CBS-S	92.05136	208968	< 1000.		UG/KG	8/19/92		Acenaphthylene
53-SC-CBS-S	92.05136	62533	< 1000.		UG/KG	8/19/92		Aniline
53-SC-CBS-S	92.05136	120127	< 1000.		UG/KG	8/19/92		Anthracene
53-SC-CBS-S	92.05136	103333	< 1000.		UG/KG	8/19/92		Azobenzene
53-SC-CBS-S	92.05136	92875	< 1000.		UG/KG	8/19/92		m-Benzidine
53-SC-CBS-S	92.05136	56553	< 1000.		UG/KG	8/19/92		Benzo[a]anthracene
53-SC-CBS-S	92.05136	50328	< 1000.		UG/KG	8/19/92		Benzo[a]pyrene
53-SC-CBS-S	92.05136	205992	< 1000.		UG/KG	8/19/92		Benzo[b]fluoranthene
53-SC-CBS-S	92.05136	191242	< 1000.		UG/KG	8/19/92		Benzo[g,h,i]perylene
53-SC-CBS-S	92.05136	207089	< 1000.		UG/KG	8/19/92		Benzo[k]fluoranthene
53-SC-CBS-S	92.05136	65850	< 1000.		UG/KG	8/19/92		Benzoic acid
53-SC-CBS-S	92.05136	100516	< 1000.		UG/KG	8/19/92		Benzyl alcohol
53-SC-CBS-S	92.05136	111911	< 1000.		UG/KG	8/19/92		Bis(2-chloroethoxy)methane
53-SC-CBS-S	92.05136	111444	< 1000.		UG/KG	8/19/92		Bis(2-chloroethyl)ether
53-SC-CBS-S	92.05136	108601	< 1000.		UG/KG	8/19/92		Bis(2-chloroisopropyl)ether
53-SC-CBS-S	92.05136	117817	< 1000.		UG/KG	8/19/92		Bis(2-ethylhexyl)phthalate
53-SC-CBS-S	92.05136	101553	< 1000.		UG/KG	8/19/92		4-Bromophenylphenyl ether
53-SC-CBS-S	92.05136	85687	< 1000.		UG/KG	8/19/92		Butyl benzyl phthalate
53-SC-CBS-S	92.05136	59507	< 1000.		UG/KG	8/19/92		4-Chloro-3-methylphenol
53-SC-CBS-S	92.05136	106478	< 1000.		UG/KG	8/19/92		4-Chloroaniline
53-SC-CBS-S	92.05136	91587	< 1000.		UG/KG	8/19/92		2-Chloronaphthalene
53-SC-CBS-S	92.05136	95578	< 1000.		UG/KG	8/19/92		o-Chlorophenol
53-SC-CBS-S	92.05136	7005723	< 1000.		UG/KG	8/19/92		4-Chlorophenylphenyl ether
53-SC-CBS-S	92.05136	218019	< 1000.		UG/KG	8/19/92		Chrysene
53-SC-CBS-S	92.05136	84742	< 1000.		UG/KG	8/19/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-CBS-S	92.05136	117840	< 1000.		UG/KG	8/19/92		Di-n-octyl phthalate
53-SC-CBS-S	92.05136	53703	< 1000.		UG/KG	8/19/92		Dibenzo[a,h]anthracene
53-SC-CBS-S	92.05136	132649	< 1000.		UG/KG	8/19/92		Dibenzofuran
53-SC-CBS-S	92.05136	95501	< 1000.		UG/KG	8/19/92		o-Dichlorobenzene (1,2)
53-SC-CBS-S	92.05136	541731	< 1000.		UG/KG	8/19/92		m-Dichlorobenzene (1,3)
53-SC-CBS-S	92.05136	106467	< 1000.		UG/KG	8/19/92		p-Dichlorobenzene (1,4)
53-SC-CBS-S	92.05136	91941	< 1000.		UG/KG	8/19/92		3,3'-Dichlorobenzidine
53-SC-CBS-S	92.05136	120832	< 1000.		UG/KG	8/19/92		2,4-Dichlorophenol
53-SC-CBS-S	92.05136	84662	< 1000.		UG/KG	8/19/92		Diethyl phthalate
53-SC-CBS-S	92.05136	131113	< 1000.		UG/KG	8/19/92		Dimethyl phthalate
53-SC-CBS-S	92.05136	105679	< 1000.		UG/KG	8/19/92		2,4-Dimethylphenol
53-SC-CBS-S	92.05136	51285	< 1000.		UG/KG	8/19/92		2,4-Dinitrophenol
53-SC-CBS-S	92.05136	121142	< 1000.		UG/KG	8/19/92		2,4-Dinitrotoluene
53-SC-CBS-S	92.05136	606202	< 1000.		UG/KG	8/19/92		2,6-Dinitrotoluene
53-SC-CBS-S	92.05136	206440	< 1000.		UG/KG	8/19/92		Fluoranthene
53-SC-CBS-S	92.05136	86737	< 1000.		UG/KG	8/19/92		Fluorene
53-SC-CBS-S	92.05136	118741	< 1000.		UG/KG	8/19/92		Hexachlorobenzene
53-SC-CBS-S	92.05136	87683	< 1000.		UG/KG	8/19/92		Hexachlorobutadiene
53-SC-CBS-S	92.05136	77474	< 1000.		UG/KG	8/19/92		Hexachlorocyclopentadiene
53-SC-CBS-S	92.05136	67721	< 1000.		UG/KG	8/19/92		Hexachloroethane
53-SC-CBS-S	92.05136	193395	< 1000.		UG/KG	8/19/92		Indeno[1,2,3-cd]pyrene
53-SC-CBS-S	92.05136	78591	< 1000.		UG/KG	8/19/92		Isophorone
53-SC-CBS-S	92.05136	534521	< 1000.		UG/KG	8/19/92		2-Methyl-4,6-dinitrophenol
53-SC-CBS-S	92.05136	91576	< 1000.		UG/KG	8/19/92		2-Methylnaphthalene
53-SC-CBS-S	92.05136	95487	< 1000.		UG/KG	8/19/92		2-Methylphenol
53-SC-CBS-S	92.05136	106445	< 1000.		UG/KG	8/19/92		4-Methylphenol
53-SC-CBS-S	92.05136	91203	< 1000.		UG/KG	8/19/92		Naphthalene
53-SC-CBS-S	92.05136	88744	< 1000.		UG/KG	8/19/92		2-Nitroaniline
53-SC-CBS-S	92.05136	99092	< 1000.		UG/KG	8/19/92		3-Nitroaniline
53-SC-CBS-S	92.05136	100016	< 1000.		UG/KG	8/19/92		4-Nitroaniline
53-SC-CBS-S	92.05136	98953	< 1000.		UG/KG	8/19/92		Nitrobenzene
53-SC-CBS-S	92.05136	88755	< 1000.		UG/KG	8/19/92		2-Nitrophenol
53-SC-CBS-S	92.05136	100027	< 1000.		UG/KG	8/19/92		4-Nitrophenol
53-SC-CBS-S	92.05136	621647	< 1000.		UG/KG	8/19/92		N-Nitrosodi-n-propylamine
53-SC-CBS-S	92.05136	62759	< 1000.		UG/KG	8/19/92		N-Nitrosodimethylamine
53-SC-CBS-S	92.05136	86306	< 1000.		UG/KG	8/19/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-CBS-S	92.05136	87865	< 1000.		UG/KG	8/19/92		Pentachlorophenol
53-SC-CBS-S	92.05136	85018	< 1000.		UG/KG	8/19/92		Phenanthrene
53-SC-CBS-S	92.05136	108952	< 1000.		UG/KG	8/19/92		Phenol
53-SC-CBS-S	92.05136	129000	< 1000.		UG/KG	8/19/92		Pyrene
53-SC-CBS-S	92.05136	120821	< 1000.		UG/KG	8/19/92		1,2,4-Trichlorobenzene
53-SC-CBS-S	92.05136	95954	< 1000.		UG/KG	8/19/92		2,4,5-Trichlorophenol
53-SC-CBS-S	92.05136	88062	< 1000.		UG/KG	8/19/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05136

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA SEMIVOLATILES Prepared by: LAK on 19-Aug-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 277

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.05375 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/23/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05375	83329	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Acenaphthene
00.20227	92.05375	208968	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Acenaphthylene
00.20227	92.05375	62533	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Aniline
00.20227	92.05375	120127	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Anthracene
00.20227	92.05375	103333	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Azobenzene
00.20227	92.05375	92875	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	m-Benzidine
00.20227	92.05375	56553	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[a]anthracene
00.20227	92.05375	50328	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[a]pyrene
00.20227	92.05375	205992	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[b]fluoranthene
00.20227	92.05375	191242	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20227	92.05375	207089	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20227	92.05375	65850	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzoic acid
00.20227	92.05375	100516	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzyl alcohol
00.20227	92.05375	111911	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20227	92.05375	111444	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20227	92.05375	108601	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20227	92.05375	117817	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20227	92.05375	101553	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20227	92.05375	85687	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Butyl benzyl phthalate
00.20227	92.05375	59507	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20227	92.05375	106478	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Chloroaniline

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05375	91587	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Chloronaphthalene
00.20227	92.05375	95578	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	o-Chlorophenol
00.20227	92.05375	7005723	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20227	92.05375	218019	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Chrysene
00.20227	92.05375	84742	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Di-n-butyl phthalate
00.20227	92.05375	117840	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Di-n-octyl phthalate
00.20227	92.05375	53703	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20227	92.05375	132649	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Dibenzofuran
00.20227	92.05375	95501	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05375	541731	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05375	106467	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05375	91941	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20227	92.05375	120832	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dichlorophenol
00.20227	92.05375	84662	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Diethyl phthalate
00.20227	92.05375	131113	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Dimethyl phthalate
00.20227	92.05375	105679	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dimethylphenol
00.20227	92.05375	51285	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dinitrophenol
00.20227	92.05375	121142	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20227	92.05375	606202	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20227	92.05375	206440	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Fluoranthene
00.20227	92.05375	86737	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Fluorene
00.20227	92.05375	118741	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorobenzene
00.20227	92.05375	87683	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorobutadiene
00.20227	92.05375	77474	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorocyclopentadiene
00.20227	92.05375	67721	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Hexachloroethane
00.20227	92.05375	193395	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20227	92.05375	78591	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Isophorone
00.20227	92.05375	534521	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20227	92.05375	91576	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Methylnaphthalene
00.20227	92.05375	95487	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Methylphenol
00.20227	92.05375	106445	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Methylphenol
00.20227	92.05375	91203	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Naphthalene
00.20227	92.05375	88744	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Nitroaniline
00.20227	92.05375	99092	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	3-Nitroaniline
00.20227	92.05375	100016	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Nitroaniline
00.20227	92.05375	98953	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Nitrobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05375	88755	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Nitrophenol
00.20227	92.05375	100027	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Nitrophenol
00.20227	92.05375	621647	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20227	92.05375	62759	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20227	92.05375	86306	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20227	92.05375	87865	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Pentachlorophenol
00.20227	92.05375	85018	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Phenanthrene
00.20227	92.05375	108952	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Phenol
00.20227	92.05375	129000	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Pyrene
00.20227	92.05375	120821	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20227	92.05375	95954	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20227	92.05375	88062	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4,6-Trichlorophenol

Blank Results, Sample # 92.05376 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 5/23/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05376	83329	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Acenaphthene
00.20227	92.05376	208968	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Acenaphthylene
00.20227	92.05376	62533	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Aniline
00.20227	92.05376	120127	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Anthracene
00.20227	92.05376	103333	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Azobenzene
00.20227	92.05376	92875	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	m-Benzidine
00.20227	92.05376	56553	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[a]anthracene
00.20227	92.05376	50328	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[a]pyrene
00.20227	92.05376	205992	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[b]fluoranthene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05376	191242	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20227	92.05376	207089	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20227	92.05376	65850	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzoic acid
00.20227	92.05376	100516	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Benzyl alcohol
00.20227	92.05376	111911	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20227	92.05376	111444	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20227	92.05376	108601	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20227	92.05376	117817	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20227	92.05376	101553	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20227	92.05376	85687	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Butyl benzyl phthalate
00.20227	92.05376	59507	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20227	92.05376	106478	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Chloroaniline
00.20227	92.05376	91587	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Chloronaphthalene
00.20227	92.05376	95578	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	o-Chlorophenol
00.20227	92.05376	7005723	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20227	92.05376	218019	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Chrysene
00.20227	92.05376	84742	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Di-n-butyl phthalate
00.20227	92.05376	117840	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Di-n-octyl phthalate
00.20227	92.05376	53703	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20227	92.05376	132649	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Dibenzofuran
00.20227	92.05376	95501	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	92.05376	541731	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	92.05376	106467	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	92.05376	91941	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20227	92.05376	120832	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dichlorophenol
00.20227	92.05376	84662	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Diethyl phthalate
00.20227	92.05376	131113	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Dimethyl phthalate
00.20227	92.05376	105679	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dimethylphenol
00.20227	92.05376	51285	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dinitrophenol
00.20227	92.05376	121142	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20227	92.05376	606202	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20227	92.05376	206440	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Fluoranthene
00.20227	92.05376	86737	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Fluorene
00.20227	92.05376	118741	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorobenzene
00.20227	92.05376	87683	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorobutadiene
00.20227	92.05376	77474	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorocyclopentadiene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	92.05376	67721	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Hexachloroethane
00.20227	92.05376	193395	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20227	92.05376	78591	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Isophorone
00.20227	92.05376	534521	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20227	92.05376	91576	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Methylnaphthalene
00.20227	92.05376	95487	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Methylphenol
00.20227	92.05376	106445	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Methylphenol
00.20227	92.05376	91203	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Naphthalene
00.20227	92.05376	88744	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Nitroaniline
00.20227	92.05376	99092	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	3-Nitroaniline
00.20227	92.05376	100016	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Nitroaniline
00.20227	92.05376	98953	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Nitrobenzene
00.20227	92.05376	88755	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2-Nitrophenol
00.20227	92.05376	100027	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	4-Nitrophenol
00.20227	92.05376	621647	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20227	92.05376	62759	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20227	92.05376	86306	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20227	92.05376	87865	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Pentachlorophenol
00.20227	92.05376	85018	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Phenanthrene
00.20227	92.05376	108952	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Phenol
00.20227	92.05376	129000	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	Pyrene
00.20227	92.05376	120821	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20227	92.05376	95954	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20227	92.05376	88062	< 330.		UG/KG	0.0		8/19/92	UNDER CONTROL	2,4,6-Trichlorophenol

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.05373 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/27/92 Date Analyzed: 5/23/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05373	83329	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Acenaphthene
92.05373	208968	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Acenaphthylene
92.05373	62533	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Aniline
92.05373	120127	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Anthracene
92.05373	103333	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Azobenzene
92.05373	92875	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	m-Benzidine
92.05373	56553	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[a]anthracene
92.05373	50328	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[a]pyrene
92.05373	205992	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[b]fluoranthene
92.05373	191242	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[g,h,i]perylene
92.05373	207089	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[k]fluoranthene
92.05373	65850	0.62	0.186	MG/KG	0.0		8/19/92	OUT OF CONTROL	Benzoic acid
92.05373	100516	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzyl alcohol
92.05373	111911	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
92.05373	111444	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroethyl)ether
92.05373	108601	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
92.05373	117817	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
92.05373	101553	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Bromophenylphenyl ether
92.05373	85687	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Butyl benzyl phthalate
92.05373	59507	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Chloro-3-methylphenol
92.05373	106478	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Chloroaniline
92.05373	91587	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Chloronaphthalene
92.05373	95578	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	o-Chlorophenol
92.05373	7005723	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Chlorophenylphenyl ether
92.05373	218019	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Chrysene
92.05373	84742	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Di-n-butyl phthalate

92.05373	117840	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Di-n-octyl phthalate
92.05373	53703	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Dibenzo[a,h]anthracene
92.05373	132649	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Dibenzofuran
92.05373	95501	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05373	541731	0.84	0.252	MG/KG	1.9	0.2	8/19/92	OUT OF CONTROL	m-Dichlorobenzene (1,3)
92.05373	106467	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
92.05373	91941	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	3,3'-Dichlorobenzidine
92.05373	120832	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dichlorophenol
92.05373	84662	1.4	0.42	MG/KG	1.6	0.2	8/19/92	UNDER CONTROL	Diethyl phthalate
92.05373	131113	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Dimethyl phthalate
92.05373	105679	< 0.33		MG/KG	1.4	0.1	8/19/92	OUT OF CONTROL	2,4-Dimethylphenol
92.05373	51285	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dinitrophenol
92.05373	121142	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dinitrotoluene
92.05373	606202	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2,6-Dinitrotoluene
92.05373	206440	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Fluoranthene
92.05373	86737	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Fluorene
92.05373	118741	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorobenzene
92.05373	87683	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorobutadiene
92.05373	77474	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorocyclopentadiene
92.05373	67721	0.72	0.216	MG/KG	1.8	0.2	8/19/92	OUT OF CONTROL	Hexachloroethane
92.05373	193395	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
92.05373	78591	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Isophorone
92.05373	534521	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
92.05373	91576	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Methylnaphthalene
92.05373	95487	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Methylphenol
92.05373	106445	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Methylphenol
92.05373	91203	0.91	0.273	MG/KG	1.8	0.2	8/19/92	WARNING 2-3 SIG	Naphthalene
92.05373	88744	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Nitroaniline
92.05373	99092	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	3-Nitroaniline
92.05373	100016	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Nitroaniline
92.05373	98953	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Nitrobenzene
92.05373	88755	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Nitrophenol
92.05373	100027	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Nitrophenol
92.05373	621647	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
92.05373	62759	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodimethylamine
92.05373	86306	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodiphenylamine
92.05373	87865	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Pentachlorophenol
92.05373	85018	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Phenanthrene
92.05373	108952	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Phenol
92.05373	129000	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Pyrene
92.05373	120821	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	1,2,4-Trichlorobenzene
92.05373	95954	1.3	0.39	MG/KG	0.0		8/19/92	OUT OF CONTROL	2,4,5-Trichlorophenol
92.05373	88062	< 0.33		MG/KG	1.8	0.2	8/19/92	OUT OF CONTROL	2,4,6-Trichlorophenol

Blind QC Results, Sample # 92.05374 Date Collected: 4/16/92 Date Received: 4/16/92 Date Extracted: 4/28/92 Date Analyzed: 5/23/92

92.05374	83329	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Acenaphthene
92.05374	208968	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Acenaphthylene
92.05374	62533	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Aniline
92.05374	120127	3.2	0.96	MG/KG	4.5	0.4	8/19/92	UNDER CONTROL	Anthracene
92.05374	103333	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Azobenzene
92.05374	92875	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	m-Benzidine
92.05374	56553	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[a]anthracene
92.05374	50328	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[a]pyrene
92.05374	205992	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[b]fluoranthene
92.05374	191242	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[g,h,i]perylene
92.05374	207089	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzo[k]fluoranthene
92.05374	65850	0.69	0.207	MG/KG	4.7	0.5	8/19/92	OUT OF CONTROL	Benzoic acid
92.05374	100516	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Benzyl alcohol
92.05374	111911	2.4	0.72	MG/KG	4.2	0.4	8/19/92	WARNING 2-3 SIG	Bis(2-chloroethoxy)methane
92.05374	111444	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroethyl)ether
92.05374	108601	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
92.05374	117817	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
92.05374	101553	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Bromophenylphenyl ether
92.05374	85687	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Butyl benzyl phthalate
92.05374	59507	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Chloro-3-methylphenol
92.05374	106478	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Chloroaniline
92.05374	91587	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Chloronaphthalene
92.05374	95578	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	o-Chlorophenol
92.05374	7005723	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Chlorophenylphenyl ether
92.05374	218019	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Chrysene
92.05374	84742	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Di-n-butyl phthalate
92.05374	117840	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Di-n-octyl phthalate
92.05374	53703	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Dibenzo[a,h]anthracene
92.05374	132649	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Dibenzofuran
92.05374	95501	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05374	541731	1.6	0.48	MG/KG	2.7	0.3	8/19/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
92.05374	106467	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
92.05374	91941	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	3,3'-Dichlorobenzidine
92.05374	120832	2.9	0.87	MG/KG	4.7	0.5	8/19/92	UNDER CONTROL	2,4-Dichlorophenol
92.05374	84662	2.	0.6	MG/KG	2.3	0.2	8/19/92	UNDER CONTROL	Diethyl phthalate
92.05374	131113	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Dimethyl phthalate
92.05374	105679	0.48	0.144	MG/KG	2.	0.2	8/19/92	OUT OF CONTROL	2,4-Dimethylphenol
92.05374	51285	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dinitrophenol
92.05374	121142	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2,4-Dinitrotoluene
92.05374	606202	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2,6-Dinitrotoluene
92.05374	206440	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Fluoranthene
[illegible]	[illegible]	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Fluorene
[illegible]	[illegible]	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorobenzene

92.05374	87683	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorobutadiene
92.05374	77474	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Hexachlorocyclopentadiene
92.05374	67721	1.4	0.42	MG/KG	2.6	0.3	8/19/92	WARNING 2-3 SIG	Hexachloroethane
92.05374	193395	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
92.05374	78591	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Isophorone
92.05374	534521	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
92.05374	91576	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Methylnaphthalene
92.05374	95487	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Methylphenol
92.05374	106445	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Methylphenol
92.05374	91203	1.6	0.48	MG/KG	2.5	0.3	8/19/92	UNDER CONTROL	Naphthalene
92.05374	88744	< 0.33		MG/KG	4.3	0.4	8/19/92	OUT OF CONTROL	2-Nitroaniline
92.05374	99092	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	3-Nitroaniline
92.05374	100016	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Nitroaniline
92.05374	98953	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Nitrobenzene
92.05374	88755	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	2-Nitrophenol
92.05374	100027	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	4-Nitrophenol
92.05374	621647	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
92.05374	62759	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodimethylamine
92.05374	86306	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	N-Nitrosodiphenylamine
92.05374	87865	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Pentachlorophenol
92.05374	85018	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Phenanthrene
92.05374	108952	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Phenol
92.05374	129000	< 0.33		MG/KG	0.0		8/19/92	UNDER CONTROL	Pyrene
92.05374	120821	3.	0.9	MG/KG	5.	0.5	8/19/92	UNDER CONTROL	1,2,4-Trichlorobenzene
92.05374	95954	1.9	0.57	MG/KG	0.0		8/19/92	OUT OF CONTROL	2,4,5-Trichlorophenol
92.05374	88062	< 0.33		MG/KG	2.5	0.2	8/19/92	OUT OF CONTROL	2,4,6-Trichlorophenol

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA SEMIVOLATILES

Surrogate 1 = 2-Fluorophenol (CAS # = 367124)
Surrogate 2 = Phenol-d5 (CAS # = 4165622)
Surrogate 3 = Nitrobenzene-d5 (CAS # = 4165600)
Surrogate 4 = 2-Fluorobiphenyl (CAS # = 321608)
Surrogate 5 = 2,4,6-Tribromophenol (CAS # = 118796)
Surrogate 6 = p-Terphenyl-d14 (CAS # =)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	Surrogate 4	Surrogate 5	Surrogate 6	COMPLETION DATE
92.05120	%	0.0	54.47	53.	64.86		83.36	19-Aug-1992
92.05120	%	0.0	42.89	40.94		0.0	79.2	19-Aug-1992
92.05120	%	43.97		0.0		95.51		19-Aug-1992
92.05120	%	26.33		0.0	57.24	85.28		19-Aug-1992
92.05120	%	25.32	38.45	35.74	51.46	86.29	81.1	19-Aug-1992
92.05121	%	44.4	53.44	51.66	65.3	80.07	83.46	19-Aug-1992
92.05122	%	39.39	51.96	54.64	69.04	89.84	84.04	19-Aug-1992
92.05123	%	42.11	51.73	55.52	70.32	84.29	77.18	19-Aug-1992
92.05124	%	33.	48.15	50.72	62.6	80.79	75.42	19-Aug-1992
92.05125	%	41.22	51.79	56.36	70.62	82.22	69.88	19-Aug-1992
92.05126	%	34.7	48.76	51.5	57.82	86.66	76.9	19-Aug-1992
92.05127	%	39.89	52.36	51.26	60.78	77.97	69.18	19-Aug-1992
92.05128	%	29.64	42.59	41.76	54.5	77.72	73.32	19-Aug-1992
92.05129	%	22.47	39.63	41.22	66.24	92.33	77.28	19-Aug-1992
92.05130	%	27.96	43.89	43.44	60.1	71.17	81.56	19-Aug-1992
92.05131	%	25.21	38.68	35.36	47.54	71.58	83.2	19-Aug-1992
92.05132	%	33.99	45.56	44.68	59.24	75.05	76.68	19-Aug-1992
92.05133	%	50.	58.8	53.4	78.2	92.2	93.2	19-Aug-1992
92.05134	%	45.8	54.5	54.4	78.8	89.3	93.4	19-Aug-1992
92.05135	%	36.3	47.6	45.2	66.2	80.2	87.6	19-Aug-1992
92.05136	%	32.17	42.57	40.78	62.68	84.89	85.48	19-Aug-1992
92.05373	%	38.19	47.05	44.24	57.78	79.04	77.36	19-Aug-1992
92.05374	%	50.4	63.	61.8	78.26	90.05	99.86	19-Aug-1992
92.05375	%	7.86	13.9	12.08	20.08	71.65	82.94	19-Aug-1992
92.05376	%	34.53	41.94	43.46	54.54	69.77	80.44	19-Aug-1992

EPA Limits:

Water	%	21 - 100	10 - 94	35 - 114	43 - 116	10 - 123	33 - 141
Soil	%	25 - 121	24 - 113	23 - 120	30 - 115	19 - 122	18 - 137

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14942

Analyst	Reviewer	Section Leader	QA Officer
8/20/92	9/2/92	9/8/92	9/10/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05154 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/04/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W	92.05154	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-SC-G1-W	92.05154	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-SC-G1-W	92.05154	62533	< 11.		UG/L	6/18/92		Aniline
53-SC-G1-W	92.05154	120127	< 11.		UG/L	6/18/92		Anthracene
53-SC-G1-W	92.05154	103333	< 11.		UG/L	6/18/92		Azobenzene
53-SC-G1-W	92.05154	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-SC-G1-W	92.05154	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-SC-G1-W	92.05154	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-SC-G1-W	92.05154	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-SC-G1-W	92.05154	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-SC-G1-W	92.05154	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-SC-G1-W	92.05154	65850	< 11.		UG/L	6/18/92		Benzoic acid
53-SC-G1-W	92.05154	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-SC-G1-W	92.05154	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-SC-G1-W	92.05154	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-SC-G1-W	92.05154	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-SC-G1-W	92.05154	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-SC-G1-W	92.05154	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-SC-G1-W	92.05154	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-SC-G1-W	92.05154	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-SC-G1-W	92.05154	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-SC-G1-W	92.05154	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-SC-G1-W	92.05154	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-SC-G1-W	92.05154	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-SC-G1-W	92.05154	218019	< 11.		UG/L	6/18/92		Chrysene
53-SC-G1-W	92.05154	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W	92.05154	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-SC-G1-W	92.05154	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-SC-G1-W	92.05154	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-SC-G1-W	92.05154	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-SC-G1-W	92.05154	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-SC-G1-W	92.05154	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-SC-G1-W	92.05154	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-SC-G1-W	92.05154	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-SC-G1-W	92.05154	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-SC-G1-W	92.05154	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-SC-G1-W	92.05154	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-SC-G1-W	92.05154	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-SC-G1-W	92.05154	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-SC-G1-W	92.05154	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-SC-G1-W	92.05154	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-SC-G1-W	92.05154	86737	< 11.		UG/L	6/18/92		Fluorene
53-SC-G1-W	92.05154	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-SC-G1-W	92.05154	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-SC-G1-W	92.05154	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-SC-G1-W	92.05154	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-SC-G1-W	92.05154	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-SC-G1-W	92.05154	78591	< 11.		UG/L	6/18/92		Isophorone
53-SC-G1-W	92.05154	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-SC-G1-W	92.05154	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-SC-G1-W	92.05154	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-SC-G1-W	92.05154	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-SC-G1-W	92.05154	91203	< 11.		UG/L	6/18/92		Naphthalene
53-SC-G1-W	92.05154	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-SC-G1-W	92.05154	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-SC-G1-W	92.05154	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-SC-G1-W	92.05154	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-SC-G1-W	92.05154	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-SC-G1-W	92.05154	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-SC-G1-W	92.05154	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-SC-G1-W	92.05154	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-SC-G1-W	92.05154	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W	92.05154	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-SC-G1-W	92.05154	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-SC-G1-W	92.05154	108952	< 11.		UG/L	6/18/92		Phenol
53-SC-G1-W	92.05154	129000	< 11.		UG/L	6/18/92		Pyrene
53-SC-G1-W	92.05154	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-SC-G1-W	92.05154	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-SC-G1-W	92.05154	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05154

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05155 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/04/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W-Q	92.05155	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-SC-G1-W-Q	92.05155	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-SC-G1-W-Q	92.05155	62533	< 11.		UG/L	6/18/92		Aniline
53-SC-G1-W-Q	92.05155	120127	< 11.		UG/L	6/18/92		Anthracene
53-SC-G1-W-Q	92.05155	103333	< 11.		UG/L	6/18/92		Azobenzene
53-SC-G1-W-Q	92.05155	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-SC-G1-W-Q	92.05155	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-SC-G1-W-Q	92.05155	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-SC-G1-W-Q	92.05155	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-SC-G1-W-Q	92.05155	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-SC-G1-W-Q	92.05155	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-SC-G1-W-Q	92.05155	65850	< 11.		UG/L	6/18/92		Benzoic acid
53-SC-G1-W-Q	92.05155	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-SC-G1-W-Q	92.05155	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-SC-G1-W-Q	92.05155	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-SC-G1-W-Q	92.05155	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-SC-G1-W-Q	92.05155	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-SC-G1-W-Q	92.05155	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-SC-G1-W-Q	92.05155	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-SC-G1-W-Q	92.05155	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-SC-G1-W-Q	92.05155	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-SC-G1-W-Q	92.05155	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-SC-G1-W-Q	92.05155	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-SC-G1-W-Q	92.05155	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-SC-G1-W-Q	92.05155	218019	< 11.		UG/L	6/18/92		Chrysene
53-SC-G1-W-Q	92.05155	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W-Q	92.05155	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-SC-G1-W-Q	92.05155	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-SC-G1-W-Q	92.05155	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-SC-G1-W-Q	92.05155	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-SC-G1-W-Q	92.05155	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-SC-G1-W-Q	92.05155	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-SC-G1-W-Q	92.05155	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-SC-G1-W-Q	92.05155	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-SC-G1-W-Q	92.05155	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-SC-G1-W-Q	92.05155	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-SC-G1-W-Q	92.05155	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-SC-G1-W-Q	92.05155	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-SC-G1-W-Q	92.05155	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-SC-G1-W-Q	92.05155	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-SC-G1-W-Q	92.05155	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-SC-G1-W-Q	92.05155	86737	< 11.		UG/L	6/18/92		Fluorene
53-SC-G1-W-Q	92.05155	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-SC-G1-W-Q	92.05155	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-SC-G1-W-Q	92.05155	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-SC-G1-W-Q	92.05155	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-SC-G1-W-Q	92.05155	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-SC-G1-W-Q	92.05155	78591	< 11.		UG/L	6/18/92		Isophorone
53-SC-G1-W-Q	92.05155	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-SC-G1-W-Q	92.05155	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-SC-G1-W-Q	92.05155	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-SC-G1-W-Q	92.05155	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-SC-G1-W-Q	92.05155	91203	< 11.		UG/L	6/18/92		Naphthalene
53-SC-G1-W-Q	92.05155	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-SC-G1-W-Q	92.05155	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-SC-G1-W-Q	92.05155	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-SC-G1-W-Q	92.05155	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-SC-G1-W-Q	92.05155	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-SC-G1-W-Q	92.05155	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-SC-G1-W-Q	92.05155	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-SC-G1-W-Q	92.05155	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-SC-G1-W-Q	92.05155	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W-Q	92.05155	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-SC-G1-W-Q	92.05155	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-SC-G1-W-Q	92.05155	108952	< 11.		UG/L	6/18/92		Phenol
53-SC-G1-W-Q	92.05155	129000	< 11.		UG/L	6/18/92		Pyrene
53-SC-G1-W-Q	92.05155	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-SC-G1-W-Q	92.05155	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-SC-G1-W-Q	92.05155	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05155

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05156 Date Collected: 4/15/92 Date Received: 4/16/92 Date Extracted: 4/20/92 Date Analyzed: 5/07/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-EBK-W	92.05156	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-SC-EBK-W	92.05156	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-SC-EBK-W	92.05156	62533	< 11.		UG/L	6/18/92		Aniline
53-SC-EBK-W	92.05156	120127	< 11.		UG/L	6/18/92		Anthracene
53-SC-EBK-W	92.05156	103333	< 11.		UG/L	6/18/92		Azobenzene
53-SC-EBK-W	92.05156	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-SC-EBK-W	92.05156	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-SC-EBK-W	92.05156	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-SC-EBK-W	92.05156	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-SC-EBK-W	92.05156	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-SC-EBK-W	92.05156	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-SC-EBK-W	92.05156	65850	< 11.		UG/L	6/18/92		Benzoic acid
53-SC-EBK-W	92.05156	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-SC-EBK-W	92.05156	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-SC-EBK-W	92.05156	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-SC-EBK-W	92.05156	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-SC-EBK-W	92.05156	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-SC-EBK-W	92.05156	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-SC-EBK-W	92.05156	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-SC-EBK-W	92.05156	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-SC-EBK-W	92.05156	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-SC-EBK-W	92.05156	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-SC-EBK-W	92.05156	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-SC-EBK-W	92.05156	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-SC-EBK-W	92.05156	218019	< 11.		UG/L	6/18/92		Chrysene
53-SC-EBK-W	92.05156	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-EBK-W	92.05156	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-SC-EBK-W	92.05156	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-SC-EBK-W	92.05156	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-SC-EBK-W	92.05156	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-SC-EBK-W	92.05156	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-SC-EBK-W	92.05156	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-SC-EBK-W	92.05156	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-SC-EBK-W	92.05156	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-SC-EBK-W	92.05156	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-SC-EBK-W	92.05156	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-SC-EBK-W	92.05156	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-SC-EBK-W	92.05156	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-SC-EBK-W	92.05156	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-SC-EBK-W	92.05156	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-SC-EBK-W	92.05156	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-SC-EBK-W	92.05156	86737	< 11.		UG/L	6/18/92		Fluorene
53-SC-EBK-W	92.05156	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-SC-EBK-W	92.05156	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-SC-EBK-W	92.05156	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-SC-EBK-W	92.05156	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-SC-EBK-W	92.05156	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-SC-EBK-W	92.05156	78591	< 11.		UG/L	6/18/92		Isophorone
53-SC-EBK-W	92.05156	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-SC-EBK-W	92.05156	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-SC-EBK-W	92.05156	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-SC-EBK-W	92.05156	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-SC-EBK-W	92.05156	91203	< 11.		UG/L	6/18/92		Naphthalene
53-SC-EBK-W	92.05156	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-SC-EBK-W	92.05156	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-SC-EBK-W	92.05156	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-SC-EBK-W	92.05156	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-SC-EBK-W	92.05156	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-SC-EBK-W	92.05156	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-SC-EBK-W	92.05156	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-SC-EBK-W	92.05156	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-SC-EBK-W	92.05156	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-EBK-W	92.05156	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-SC-EBK-W	92.05156	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-SC-EBK-W	92.05156	108952	< 11.		UG/L	6/18/92		Phenol
53-SC-EBK-W	92.05156	129000	< 11.		UG/L	6/18/92		Pyrene
53-SC-EBK-W	92.05156	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-SC-EBK-W	92.05156	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-SC-EBK-W	92.05156	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05156

none

********** EM-9 ANALYTICAL REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

Customer Sample Results, Sample # 92.05157 Date Collected: 4/15/92 Date Received: 4/20/92 Date Extracted: 4/20/92 Date Analyzed: 5/07/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-FBLK-W	92.05157	83329	< 11.		UG/L	6/18/92		Acenaphthene
53-SC-FBLK-W	92.05157	208968	< 11.		UG/L	6/18/92		Acenaphthylene
53-SC-FBLK-W	92.05157	62533	< 11.		UG/L	6/18/92		Aniline
53-SC-FBLK-W	92.05157	120127	< 11.		UG/L	6/18/92		Anthracene
53-SC-FBLK-W	92.05157	103333	< 11.		UG/L	6/18/92		Azobenzene
53-SC-FBLK-W	92.05157	92875	< 11.		UG/L	6/18/92		m-Benzidine
53-SC-FBLK-W	92.05157	56553	< 11.		UG/L	6/18/92		Benzo[a]anthracene
53-SC-FBLK-W	92.05157	50328	< 11.		UG/L	6/18/92		Benzo[a]pyrene
53-SC-FBLK-W	92.05157	205992	< 11.		UG/L	6/18/92		Benzo[b]fluoranthene
53-SC-FBLK-W	92.05157	191242	< 11.		UG/L	6/18/92		Benzo[g,h,i]perylene
53-SC-FBLK-W	92.05157	207089	< 11.		UG/L	6/18/92		Benzo[k]fluoranthene
53-SC-FBLK-W	92.05157	65850	< 11.		UG/L	6/18/92		Benzoic acid
53-SC-FBLK-W	92.05157	100516	< 11.		UG/L	6/18/92		Benzyl alcohol
53-SC-FBLK-W	92.05157	111911	< 11.		UG/L	6/18/92		Bis(2-chloroethoxy)methane
53-SC-FBLK-W	92.05157	111444	< 11.		UG/L	6/18/92		Bis(2-chloroethyl)ether
53-SC-FBLK-W	92.05157	108601	< 11.		UG/L	6/18/92		Bis(2-chloroisopropyl)ether
53-SC-FBLK-W	92.05157	117817	< 11.		UG/L	6/18/92		Bis(2-ethylhexyl)phthalate
53-SC-FBLK-W	92.05157	101553	< 11.		UG/L	6/18/92		4-Bromophenylphenyl ether
53-SC-FBLK-W	92.05157	85687	< 11.		UG/L	6/18/92		Butyl benzyl phthalate
53-SC-FBLK-W	92.05157	59507	< 11.		UG/L	6/18/92		4-Chloro-3-methylphenol
53-SC-FBLK-W	92.05157	106478	< 11.		UG/L	6/18/92		4-Chloroaniline
53-SC-FBLK-W	92.05157	91587	< 11.		UG/L	6/18/92		2-Chloronaphthalene
53-SC-FBLK-W	92.05157	95578	< 11.		UG/L	6/18/92		o-Chlorophenol
53-SC-FBLK-W	92.05157	7005723	< 11.		UG/L	6/18/92		4-Chlorophenylphenyl ether
53-SC-FBLK-W	92.05157	218019	< 11.		UG/L	6/18/92		Chrysene
53-SC-FBLK-W	92.05157	84742	< 11.		UG/L	6/18/92		Di-n-butyl phthalate

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-FBLK-W	92.05157	117840	< 11.		UG/L	6/18/92		Di-n-octyl phthalate
53-SC-FBLK-W	92.05157	53703	< 11.		UG/L	6/18/92		Dibenzo[a,h]anthracene
53-SC-FBLK-W	92.05157	132649	< 11.		UG/L	6/18/92		Dibenzofuran
53-SC-FBLK-W	92.05157	95501	< 11.		UG/L	6/18/92		o-Dichlorobenzene (1,2)
53-SC-FBLK-W	92.05157	541731	< 11.		UG/L	6/18/92		m-Dichlorobenzene (1,3)
53-SC-FBLK-W	92.05157	106467	< 11.		UG/L	6/18/92		p-Dichlorobenzene (1,4)
53-SC-FBLK-W	92.05157	91941	< 11.		UG/L	6/18/92		3,3'-Dichlorobenzidine
53-SC-FBLK-W	92.05157	120832	< 11.		UG/L	6/18/92		2,4-Dichlorophenol
53-SC-FBLK-W	92.05157	84662	< 11.		UG/L	6/18/92		Diethyl phthalate
53-SC-FBLK-W	92.05157	131113	< 11.		UG/L	6/18/92		Dimethyl phthalate
53-SC-FBLK-W	92.05157	105679	< 11.		UG/L	6/18/92		2,4-Dimethylphenol
53-SC-FBLK-W	92.05157	51285	< 11.		UG/L	6/18/92		2,4-Dinitrophenol
53-SC-FBLK-W	92.05157	121142	< 11.		UG/L	6/18/92		2,4-Dinitrotoluene
53-SC-FBLK-W	92.05157	606202	< 11.		UG/L	6/18/92		2,6-Dinitrotoluene
53-SC-FBLK-W	92.05157	206440	< 11.		UG/L	6/18/92		Fluoranthene
53-SC-FBLK-W	92.05157	86737	< 11.		UG/L	6/18/92		Fluorene
53-SC-FBLK-W	92.05157	118741	< 11.		UG/L	6/18/92		Hexachlorobenzene
53-SC-FBLK-W	92.05157	87683	< 11.		UG/L	6/18/92		Hexachlorobutadiene
53-SC-FBLK-W	92.05157	77474	< 11.		UG/L	6/18/92		Hexachlorocyclopentadiene
53-SC-FBLK-W	92.05157	67721	< 11.		UG/L	6/18/92		Hexachloroethane
53-SC-FBLK-W	92.05157	193395	< 11.		UG/L	6/18/92		Indeno[1,2,3-cd]pyrene
53-SC-FBLK-W	92.05157	78591	< 11.		UG/L	6/18/92		Isophorone
53-SC-FBLK-W	92.05157	534521	< 11.		UG/L	6/18/92		2-Methyl-4,6-dinitrophenol
53-SC-FBLK-W	92.05157	91576	< 11.		UG/L	6/18/92		2-Methylnaphthalene
53-SC-FBLK-W	92.05157	95487	< 11.		UG/L	6/18/92		2-Methylphenol
53-SC-FBLK-W	92.05157	106445	< 11.		UG/L	6/18/92		4-Methylphenol
53-SC-FBLK-W	92.05157	91203	< 11.		UG/L	6/18/92		Naphthalene
53-SC-FBLK-W	92.05157	88744	< 11.		UG/L	6/18/92		2-Nitroaniline
53-SC-FBLK-W	92.05157	99092	< 11.		UG/L	6/18/92		3-Nitroaniline
53-SC-FBLK-W	92.05157	100016	< 11.		UG/L	6/18/92		4-Nitroaniline
53-SC-FBLK-W	92.05157	98953	< 11.		UG/L	6/18/92		Nitrobenzene
53-SC-FBLK-W	92.05157	88755	< 11.		UG/L	6/18/92		2-Nitrophenol
53-SC-FBLK-W	92.05157	100027	< 11.		UG/L	6/18/92		4-Nitrophenol
53-SC-FBLK-W	92.05157	621647	< 11.		UG/L	6/18/92		N-Nitrosodi-n-propylamine
53-SC-FBLK-W	92.05157	62759	< 11.		UG/L	6/18/92		N-Nitrosodimethylamine
53-SC-FBLK-W	92.05157	86306	< 11.		UG/L	6/18/92		N-Nitrosodiphenylamine

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-FBLK-W	92.05157	87865	< 11.		UG/L	6/18/92		Pentachlorophenol
53-SC-FBLK-W	92.05157	85018	< 11.		UG/L	6/18/92		Phenanthrene
53-SC-FBLK-W	92.05157	108952	< 11.		UG/L	6/18/92		Phenol
53-SC-FBLK-W	92.05157	129000	< 11.		UG/L	6/18/92		Pyrene
53-SC-FBLK-W	92.05157	120821	< 11.		UG/L	6/18/92		1,2,4-Trichlorobenzene
53-SC-FBLK-W	92.05157	95954	< 11.		UG/L	6/18/92		2,4,5-Trichlorophenol
53-SC-FBLK-W	92.05157	88062	< 11.		UG/L	6/18/92		2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 92.05157

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA SEMIVOLATILES Prepared by: LAT on 18-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: MATTHEW MONAGLE PROGRAM CODE: W21M NOTEBOOK: R7720 PAGE: 267

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCMS ANALYTICAL PROCEDURE: EPA SW-846 3RD

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 92.05361 Date Collected: 4/15/92 Date Received: 4/20/92 Date Extracted: 4/20/92 Date Analyzed: 5/07/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	83329	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Acenaphthene
00.20226	92.05361	208968	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Acenaphthylene
00.20226	92.05361	62533	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Aniline
00.20226	92.05361	120127	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Anthracene
00.20226	92.05361	103333	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Azobenzene
00.20226	92.05361	92875	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	m-Benzidine
00.20226	92.05361	56553	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[a]anthracene
00.20226	92.05361	50328	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[a]pyrene
00.20226	92.05361	205992	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[b]fluoranthene
00.20226	92.05361	191242	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[g,h,i]perylene
00.20226	92.05361	207089	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[k]fluoranthene
00.20226	92.05361	65850	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzoic acid
00.20226	92.05361	100516	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzyl alcohol
00.20226	92.05361	111911	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20226	92.05361	111444	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20226	92.05361	108601	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20226	92.05361	117817	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20226	92.05361	101553	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Bromophenylphenyl ether
00.20226	92.05361	85687	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Butyl benzyl phthalate
00.20226	92.05361	59507	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chloro-3-methylphenol
00.20226	92.05361	106478	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chloroaniline

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	91587	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Chloronaphthalene
00.20226	92.05361	95578	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	o-Chlorophenol
00.20226	92.05361	7005723	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20226	92.05361	218019	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Chrysene
00.20226	92.05361	84742	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Di-n-butyl phthalate
00.20226	92.05361	117840	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Di-n-octyl phthalate
00.20226	92.05361	53703	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20226	92.05361	132649	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Dibenzofuran
00.20226	92.05361	95501	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20226	92.05361	541731	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20226	92.05361	106467	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20226	92.05361	91941	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	3,3'-Dichlorobenzidine
00.20226	92.05361	120832	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dichlorophenol
00.20226	92.05361	84662	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Diethyl phthalate
00.20226	92.05361	131113	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Dimethyl phthalate
00.20226	92.05361	105679	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dimethylphenol
00.20226	92.05361	51285	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dinitrophenol
00.20226	92.05361	121142	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dinitrotoluene
00.20226	92.05361	606202	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,6-Dinitrotoluene
00.20226	92.05361	206440	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Fluoranthene
00.20226	92.05361	86737	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Fluorene
00.20226	92.05361	118741	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorobenzene
00.20226	92.05361	87683	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorobutadiene
00.20226	92.05361	77474	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorocyclopentadiene
00.20226	92.05361	67721	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachloroethane
00.20226	92.05361	193395	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20226	92.05361	78591	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Isophorone
00.20226	92.05361	534521	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20226	92.05361	91576	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methylnaphthalene
00.20226	92.05361	95487	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methylphenol
00.20226	92.05361	106445	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Methylphenol
00.20226	92.05361	91203	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Naphthalene
00.20226	92.05361	88744	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Nitroaniline
00.20226	92.05361	99092	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	3-Nitroaniline
00.20226	92.05361	100016	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Nitroaniline
00.20226	92.05361	98953	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Nitrobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	88755	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Nitrophenol
00.20226	92.05361	100027	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Nitrophenol
00.20226	92.05361	621647	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20226	92.05361	62759	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodimethylamine
00.20226	92.05361	86306	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodiphenylamine
00.20226	92.05361	87865	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Pentachlorophenol
00.20226	92.05361	85018	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Phenanthrene
00.20226	92.05361	108952	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Phenol
00.20226	92.05361	129000	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	Pyrene
00.20226	92.05361	120821	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20226	92.05361	95954	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4,5-Trichlorophenol
00.20226	92.05361	88062	< 11.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4,6-Trichlorophenol

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Results, Sample # 92.05361 Date Collected: 4/15/92 Date Received: 4/20/92 Date Extracted: 4/20/92 Date Analyzed: 5/07/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	83329	50.	28.	UG/L	0.0		6/18/92		Acenaphthene
00.20226	92.05361	59507	100.	51.	UG/L	0.0		6/18/92		4-Chloro-3-methylphenol
00.20226	92.05361	95578	100.	58.	UG/L	0.0		6/18/92		o-Chlorophenol
00.20226	92.05361	106467	50.	28.	UG/L	0.0		6/18/92		p-Dichlorobenzene (1,4)
00.20226	92.05361	121142	50.	28.	UG/L	0.0		6/18/92		2,4-Dinitrotoluene
00.20226	92.05361	100027	100.	51.	UG/L	0.0		6/18/92		4-Nitrophenol
00.20226	92.05361	621647	50.	26.	UG/L	0.0		6/18/92		N-Nitrosodi-n-propylamine
00.20226	92.05361	87865	100.	64.	UG/L	0.0		6/18/92		Pentachlorophenol
00.20226	92.05361	108952	100.	56.	UG/L	0.0		6/18/92		Phenol
00.20226	92.05361	129000	50.	23.	UG/L	0.0		6/18/92		Pyrene
00.20226	92.05361	120821	50.	28.	UG/L	0.0		6/18/92		1,2,4-Trichlorobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Duplicate Results, Sample # 92.05361 Date Collected: 4/15/92 Date Received: 4/20/92 Date Extracted: 4/20/92 Date Analyzed: 5/07/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	92.05361	83329	50.	24.	UG/L	0.0		6/18/92		Acenaphthene
00.20226	92.05361	59507	100.	55.	UG/L	0.0		6/18/92		4-Chloro-3-methylphenol
00.20226	92.05361	95578	100.	38.	UG/L	0.0		6/18/92		o-Chlorophenol
00.20226	92.05361	106467	50.	10.	UG/L	0.0		6/18/92		p-Dichlorobenzene (1,4)
00.20226	92.05361	121142	50.	27.	UG/L	0.0		6/18/92		2,4-Dinitrotoluene
00.20226	92.05361	100027	100.	46.	UG/L	0.0		6/18/92		4-Nitrophenol
00.20226	92.05361	621647	50.	22.	UG/L	0.0		6/18/92		N-Nitrosodi-n-propylamine
00.20226	92.05361	87865	100.	62.	UG/L	0.0		6/18/92		Pentachlorophenol
00.20226	92.05361	108952	100.	42.	UG/L	0.0		6/18/92		Phenol
00.20226	92.05361	129000	50.	27.	UG/L	0.0		6/18/92		Pyrene
00.20226	92.05361	120821	50.	17.	UG/L	0.0		6/18/92		1,2,4-Trichlorobenzene

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.05360 Date Collected: 4/15/92 Date Received: 4/20/92 Date Extracted: 4/20/92 Date Analyzed: 5/07/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05360	83329	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Acenaphthene
92.05360	208968	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Acenaphthylene
92.05360	62533	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Aniline
92.05360	120127	40.	12.	UG/L	124.	12.	6/18/92	OUT OF CONTROL	Anthracene
92.05360	103333	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Azobenzene
92.05360	92875	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	m-Benzidine
92.05360	56553	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[a]anthracene
92.05360	50328	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[a]pyrene
92.05360	205992	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[b]fluoranthene
92.05360	191242	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[g,h,i]perylene
92.05360	207089	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzo[k]fluoranthene
92.05360	65850	94.	28.2	UG/L	130.	13.	6/18/92	UNDER CONTROL	Benzoic acid
92.05360	100516	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Benzyl alcohol
92.05360	111911	74.	22.2	UG/L	118.	12.	6/18/92	UNDER CONTROL	Bis(2-chloroethoxy)methane
92.05360	111444	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroethyl)ether
92.05360	108601	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-chloroisopropyl)ether
92.05360	117817	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
92.05360	101553	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Bromophenylphenyl ether
92.05360	85687	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Butyl benzyl phthalate
92.05360	59507	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chloro-3-methylphenol
92.05360	106478	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chloroaniline
92.05360	91587	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Chloronaphthalene
92.05360	95578	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	o-Chlorophenol
92.05360	7005723	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Chlorophenylphenyl ether
92.05360	218019	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Chrysene
92.05360	84742	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Di-n-butyl phthalate

92.05360	117840	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Di-n-octyl phthalate
92.05360	53703	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Dibenzo[a,h]anthracene
92.05360	132649	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Dibenzofuran
92.05360	95501	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	o-Dichlorobenzene (1,2)
92.05360	541731	37.	11.1	UG/L	93.	9.	6/18/92	OUT OF CONTROL	m-Dichlorobenzene (1,3)
92.05360	106467	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	p-Dichlorobenzene (1,4)
92.05360	91941	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	3,3'-Dichlorobenzidine
92.05360	120832	85.	25.5	UG/L	130.	13.	6/18/92	UNDER CONTROL	2,4-Dichlorophenol
92.05360	84662	16.	4.8	UG/L	78.	8.	6/18/92	OUT OF CONTROL	Diethyl phthalate
92.05360	131113	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Dimethyl phthalate
92.05360	105679	23.	6.9	UG/L	69.	7.	6/18/92	OUT OF CONTROL	2,4-Dimethylphenol
92.05360	51285	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dinitrophenol
92.05360	121142	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4-Dinitrotoluene
92.05360	606202	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2,6-Dinitrotoluene
92.05360	206440	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Fluoranthene
92.05360	86737	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Fluorene
92.05360	118741	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorobenzene
92.05360	87683	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorobutadiene
92.05360	77474	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Hexachlorocyclopentadiene
92.05360	67721	32.	9.6	UG/L	89.	9.	6/18/92	OUT OF CONTROL	Hexachloroethane
92.05360	193395	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
92.05360	78591	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Isophorone
92.05360	534521	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
92.05360	91576	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methylnaphthalene
92.05360	95487	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Methylphenol
92.05360	106445	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Methylphenol
92.05360	91203	43.	12.9	UG/L	86.	9.	6/18/92	WARNING 2-3 SIG	Naphthalene
92.05360	88744	45.	13.5	UG/L	119.	12.	6/18/92	OUT OF CONTROL	2-Nitroaniline
92.05360	99092	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	3-Nitroaniline
92.05360	100016	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Nitroaniline
92.05360	98953	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Nitrobenzene
92.05360	88755	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2-Nitrophenol
92.05360	100027	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	4-Nitrophenol
92.05360	621647	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodi-n-propylamine
92.05360	62759	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodimethylamine
92.05360	86306	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	N-Nitrosodiphenylamine
92.05360	87865	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Pentachlorophenol
92.05360	85018	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Phenanthrene
92.05360	108952	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Phenol
92.05360	129000	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	Pyrene
92.05360	120821	63.	18.9	UG/L	135.	14.	6/18/92	OUT OF CONTROL	1,2,4-Trichlorobenzene
92.05360	95954	< 10.		UG/L	0.0		6/18/92	UNDER CONTROL	2,4,5-Trichlorophenol
92.05360	88062	61.	18.3	UG/L	85.	8.	6/18/92	UNDER CONTROL	2,4,6-Trichlorophenol

********** EM-9 QUALITY ASSURANCE REPORT **********

SURROGATE RESULTS FOR EPA SEMIVOLATILES

Surrogate 1 = 2-Fluorophenol (CAS # = 367124)
Surrogate 2 = Phenol-d5 (CAS # = 4165622)
Surrogate 3 = Nitrobenzene-d5 (CAS # = 4165600)
Surrogate 4 = 2-Fluorobiphenyl (CAS # = 321608)
Surrogate 5 = 2,4,6-Tribromophenol (CAS # = 118796)
Surrogate 6 = p-Terphenyl-d14 (CAS # =)

SAMPLE NUMBER	UNITS	Surrogate 1	Surrogate 2	Surrogate 3	Surrogate 4	Surrogate 5	Surrogate 6	COMPLETION DATE
92.05154	%	63.019	67.804	60.082	60.764	81.917	45.078	18-Jun-1992
92.05155	%	63.954	66.715	65.076	63.778	83.831	42.02	18-Jun-1992
92.05156	%	45.012	46.717	59.026	56.826	103.213	76.494	18-Jun-1992
92.05157	%	4.95	23.595	40.04	44.66	38.181	88.528	18-Jun-1992
92.05360	%	49.37	55.29	64.92	57.18	88.56	86.18	18-Jun-1992
92.05361	%	58.28	55.55	56.02	62.36	84.74	75.08	18-Jun-1992
92.05361	%	33.97	43.64	38.08	51.82	77.38	65.84	18-Jun-1992
92.05361	%	57.475	59.763	67.518	62.832	96.371	83.6	18-Jun-1992
EPA Limits:								
Water	%	21 - 100	10 - 94	35 - 114	43 - 116	10 - 123	33 - 141	
Soil	%	25 - 121	24 - 113	23 - 120	30 - 115	19 - 122	18 - 137	

REPORT NUMBER: 14287

Analyst	Reviewer	Section Leader	QA Officer
6/19/92	6/18/92	6/19/92	6/19/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in
'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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TA-53 SURFACE IMPOUNDMENTS SAMPLING AND ANALYSIS DATA APRIL 1992

VOLUME II

METALS, PESTICIDES, HERBICIDES, RCRA CHARACTERISTICS, AND RADIOACTIVITY

Amended: See Remarks
(4/23/92)

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HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12768

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I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0015

Request date: 13-Apr-1992 Completion date: 13-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLY Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 23-Apr-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

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III. SAMPLE RECEIPT

Signature [illegible] Date: 23-Apr-1992 Total No. received: 18 + 8 QCS

Matrix	Initial SN		Final SN	# Received
C	92.04867	to	92.04883	17
C	92.05219	to	92.05219	1
W	92.04892	to	92.04893	2
W	92.05733	to	92.05734	2
W	92.05735	to	92.05736	2
W	92.05737	to	92.05738	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

Program code: W2
Customer initial

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12768	92.04867	53-NW-A-S	4/13/92
12768	92.04868	53-NW-B-S	4/13/92
12768	92.04869	53-NW-C-S	4/13/92
12768	92.04870	53-NW-D-S	4/13/92
12768	92.04871	53-NW-E-S	4/13/92
12768	92.04872	53-NW-F-S	4/13/92
12768	92.04873	53-NW-G-S	4/13/92
12768	92.04874	53-NW-H-S	4/13/92
12768	92.04875	53-NW-I-S	4/13/92
12768	92.04876	53-NW-J-S	4/13/92
12768	92.04877	53-NW-K-S	4/13/92
12768	92.04878	53-NW-L-S	4/13/92
12768	92.04879	53-NW-N-S	4/13/92
12768	92.04880	53-NW-M-S	4/13/92
12768	92.04881	53-NW-N-S-QA	4/13/92
12768	92.04882	53-NW-O-S	4/13/92
12768	92.04883	53-NW-O-S-QA	4/13/92
12768	92.04892	00.22732	2/13/92
12768	92.04893	00.22727	2/13/92
12768	92.05219	53-NW-CBS-S	4/15/92
12768	92.05733	00.23782	12/11/91
12768	92.05734	00.23794	12/19/91
12768	92.05735	00.23647	10/29/91
12768	92.05736	00.23646	10/29/91
12768	92.05737	00.24976	4/23/92
12768	92.05738	00.24977	4/23/92

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HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12768

****

Program code: W21M Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04867	to	92.04883
C	92.05219	to	92.05219
W	92.04892	to	92.04893
W	92.05733	to	92.05734
W	92.05735	to	92.05736
W	92.05737	to	92.05738

Section	Analysis	Technique	Analyst	Due-date
I	HG	CVAA	MB	6/13/92
I	AG	ICPMS	MWK	6/13/92
I	AS	ICPMS	MWK	6/13/92
I	BA	ICPMS	MWK	6/13/92
I	CD	ICPMS	MWK	6/13/92
I	CR	ICPMS	MWK	6/13/92
I	PB	ICPMS	MWK	6/13/92
I	SE	ICPMS	MWK	6/13/92

REMARKS:

TA-53 LAMPS LAGOONS -- NW
CAUTION!!! THESE SAMPLES ARE A BIOHAZARD!!!!
THE SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04867 TO 92.04883 = ALL ANALYSIS (TOTALS)

QCS:
92.04892, 92.04893 = HG

AMENDED ON 04/23/92 WITH THE FOLLOWING CHANGES:
SN #92.05219 = ALL ANALYSIS WAS ADDED ON 04/15/92
MODIFIED ANALYST AND TECHNIQUE ASSIGNMENTS FOR
AS, BA, CD, CR, PB, AG, SE TO ICPMS BY MWK
DELETED SN #92.04890, 92.04891 (BA, CD, CR, PB) QCS
DELETED SN # 92.04894, 92.04895 (AS, SE) QCS
DELETED SN #92.04896, 92.04897 (AG)

ADDED THE FOLLOWING QCS:
92.05733, 92.05734 = AS, BA, CD, CR, PB
92.05735, 92.05736 = AG
92.05737, 92.03758 = SE

Superceded (see Remarks on amended agreement for 4/23/92 changes)
Amended: See Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12768

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0015

Request date: 13-Apr-1992 Completion date: 13-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLY Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 18 + STDS

Matrix	Initial SN		Final SN	# Received
C	92.04867	to	92.04883	17
C	92.05219	to	92.05219	1
W	92.04890	to	92.04891	2
W	92.04892	to	92.04893	2
W	92.04894	to	92.04895	2
W	92.04896	to	92.04897	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

Program code:

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12768	92.04867	53-NW-A-S	4/13/92
12768	92.04868	53-NW-B-S	4/13/92
12768	92.04869	53-NW-C-S	4/13/92
12768	92.04870	53-NW-D-S	4/13/92
12768	92.04871	53-NW-E-S	4/13/92
12768	92.04872	53-NW-F-S	4/13/92
12768	92.04873	53-NW-G-S	4/13/92
12768	92.04874	53-NW-H-S	4/13/92
12768	92.04875	53-NW-I-S	4/13/92
12768	92.04876	53-NW-J-S	4/13/92
12768	92.04877	53-NW-K-S	4/13/92
12768	92.04878	53-NW-L-S	4/13/92
12768	92.04879	53-NW-N-S	4/13/92
12768	92.04880	53-NW-M-S	4/13/92
12768	92.04881	53-NW-N-S-QA	4/13/92
12768	92.04882	53-NW-O-S	4/13/92
12768	92.04883	53-NW-O-S-QA	4/13/92
12768	92.04890	00.23611	10/22/91
12768	92.04891	00.23610	10/22/91
12768	92.04892	00.22732	2/13/92
12768	92.04893	00.22727	2/13/92
12768	92.04894	00.24648	3/24/92
12768	92.04895	00.24650	3/24/92
12768	92.04896	00.24391	1/24/92
12768	92.04897	00.24403	1/24/92
12768	92.05219	53-NW-CBS-S	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12768

****

Program code: W21M Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04867	to	92.04883
C	92.05219	to	92.05219
W	92.04890	to	92.04891
W	92.04892	to	92.04893
W	92.04894	to	92.04895
W	92.04896	to	92.04897

Section	Analysis	Technique	Analyst	Due-date
I	AG	FAA	BH	6/13/92
I	BA	ICPES	JDM	6/13/92
I	CD	ICPES	JDM	6/13/92
I	CR	ICPES	JDM	6/13/92
I	PB	ICPES	JDM	6/13/92
I	AS	ETVAA	MB	6/13/92
I	HG	CVAA	MB	6/13/92
I	SE	ETVAA	MB	6/13/92

REMARKS:

TA-53 LAMPF LAGOONS -- NW
CAUTION!!! THESE SAMPLES ARE A BIOHAZARD!!!!
THE SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04867 TO 92.04883 = ALL ANALYSIS (TOTALS)

QCS:
92.04890, 92.04891 = BA, CD, CR, PB
92.04892, 92.04893 = HG
92.04894, 92.04895 = AS, SE
92.04896, 92.04897 = AG

SN #92.05219 = ALL ANALYSIS WAS ADDED ON 04/15/92

Superceded twice: by 4/15/92 addition of SN 92.05219 + by 4/23/92 amends (see Remarks)

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12768

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0015

Request date: 13-Apr-1992 Completion date: 13-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLY Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 14-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 14-Apr-1992 Total No. received: 17 + 8 QCS

Matrix	Initial SN		Final SN	# Received
C	92.04867	to	92.04883	17
W	92.04890	to	92.04891	2
W	92.04892	to	92.04893	2
W	92.04894	to	92.04895	2
W	92.04896	to	92.04897	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

Total Waste Water

Tim Glass
Chris Perry
7-6914

Utilities

Perry

Program code: M21M

Customer Initials:

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12768	92.04867	53-NW-A-S	4/13/92
12768	92.04868	53-NW-B-S	4/13/92
12768	92.04869	53-NW-C-S	4/13/92
12768	92.04870	53-NW-D-S	4/13/92
12768	92.04871	53-NW-E-S	4/13/92
12768	92.04872	53-NW-F-S	4/13/92
12768	92.04873	53-NW-G-S	4/13/92
12768	92.04874	53-NW-H-S	4/13/92
12768	92.04875	53-NW-I-S	4/13/92
12768	92.04876	53-NW-J-S	4/13/92
12768	92.04877	53-NW-K-S	4/13/92
12768	92.04878	53-NW-L-S	4/13/92
12768	92.04879	53-NW-N-S	4/13/92
12768	92.04880	53-NW-M-S	4/13/92
12768	92.04881	53-NW-N-S-QA	4/13/92
12768	92.04882	53-NW-O-S	4/13/92
12768	92.04883	53-NW-O-S-QA	4/13/92
12768	92.04890	00.23611	10/22/91
12768	92.04891	00.23610	10/22/91
12768	92.04892	00.22732	2/13/92
12768	92.04893	00.22727	2/13/92
12768	92.04894	00.24648	3/24/92
12768	92.04895	00.24650	3/24/92
12768	92.04896	00.24391	1/24/92
12768	92.04897	00.24403	1/24/92

w/waters } Equip. Blk.?

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HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12768

****

Program code: W21M Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04867	to	92.04883
W	92.04890	to	92.04891
W	92.04892	to	92.04893
W	92.04894	to	92.04895
W	92.04896	to	92.04897

Section	Analysis	Technique	Analyst	Due-date
I	AG	FAA	BH	6/13/92
I	BA	ICPES	JDM	6/13/92
I	CD	ICPES	JDM	6/13/92
I	CR	ICPES	JDM	6/13/92
I	PB	ICPES	JDM	6/13/92
I	AS	ETVAA	MB	6/13/92
I	HG	CVAA	MB	6/13/92
I	SE	ETVAA	MB	6/13/92

Totals

REMARKS:

TA-53 LAMPF LAGOONS -- NW
CAUTION!!! THESE SAMPLES ARE A BIOHAZARD!!!!
THE SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04867 TO 92.04883 = ALL ANALYSIS (TOTALS)

QCS:
92.04890, 92.04891 = BA, CD, CR, PB
92.04892, 92.04893 = HG
92.04894, 92.04895 = AS, SE
92.04896, 92.04897 = AG

Amended: See Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12770

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0001

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: HNO3, pH < 2 Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: JH

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 24-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature: [illegible] Date: 24-Apr-1992 Total No. received: 4 + 4 QCS

Matrix	Initial SN		Final SN	# Received
W	92.04885	to	92.04886	2
W	92.05003	to	92.05006	4
W	92.05364	to	92.05364	1
W	92.05879	to	92.05879	1
W	92.05880	to	92.05880	1
W	92.05881	to	92.05881	1

Translation table of HSE-9/[illegible] al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12770	92.04885	53-NW-O-W	4/13/92
12770	92.04886	53-NW-O-W-QA	4/13/92
12770	92.05003	53-NW-EBK-W	4/13/92
12770	92.05004	53-NE-Y-W	4/14/92
12770	92.05005	53-NE-Y-W-QA	4/14/92
12770	92.05006	53-NE-EBK-W	4/14/92
12770	92.05364	00.22729	2/13/92
12770	92.05879	00.23798	12/20/91
12770	92.05880	00.24985	4/24/92
12770	92.05881	00.24983	4/24/92

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HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12770

****

Program code: W21M Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.04885	to	92.04886
W	92.05003	to	92.05006
W	92.05364	to	92.05364
W	92.05879	to	92.05879
W	92.05880	to	92.05880
W	92.05881	to	92.05881

Section	Analysis	Technique	Analyst	Due-date
I	HG	CVAA	MB	5/13/92
I	AG	ICPMS	MWK	5/13/92
I	AS	ICPMS	MWK	5/13/92
I	BA	ICPMS	MWK	5/13/92
I	CD	ICPMS	MWK	5/13/92
I	CR	ICPMS	MWK	5/13/92
I	PB	ICPMS	MWK	5/13/92
I	SE	ICPMS	MWK	5/13/92

REMARKS:

TA-53 LAGOONS --
CAUTION: THESE SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04885, 92.04886, 92.05003 TO 92.05006 = ALL ANALYSIS (TOTALS)

QCS:

92.05879 = AS, BA, CD, CR, PB
92.05364 = HG
92.05880 = AG
92.05881 = SE

AMENDED ON 04/24/92 WITH THE FOLLOWING CHANGES:
MODIFIED THE TECHNIQUE AND ANALYST ASSIGNMENT FOR
AS, BA, CD, CR, PB, SE, AG TO MWK BY ICPMS
DELETED SN #92.05363 (BA, CD, CR, PB) QC
DELETED SN #92.05365 (AS, SE) QC
DELETED SN #92.05366 (AG) QC

ADDED THE FOLLOWING QCS:
92.05879 = AS, BA, CD, CR, PB
92.05880 = AG
92.05881 = SE

Superceded by Amended agreement (see 4/24/92 Remarks)

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12770

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0001

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: HNO3, pH < 2 Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: JH

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 6 + 4 QCS

Matrix	Initial SN		Final SN	# Received
W	92.04885	to	92.04886	2
W	92.05003	to	92.05006	4
W	92.05363	to	92.05363	1
W	92.05364	to	92.05364	1
W	92.05365	to	92.05365	1
W	92.05366	to	92.05366	1

Translation table

al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12770	92.04885	53-NW-O-W	4/13/92
12770	92.04886	53-NW-O-W-QA	4/13/92
12770	92.05003	53-NW-EBK-W	4/13/92
12770	92.05004	53-NE-Y-W	4/14/92
12770	92.05005	53-NE-Y-W-QA	4/14/92
12770	92.05006	53-NE-EBK-W	4/14/92
12770	92.05363	00.24878	4/14/92
12770	92.05364	00.22729	2/13/92
12770	92.05365	00.21215	5/25/90
12770	92.05366	00.24388	1/24/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12770

****

Program code: W21M Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.04885	to	92.04886
W	92.05003	to	92.05006
W	92.05363	to	92.05363
W	92.05364	to	92.05364
W	92.05365	to	92.05365
W	92.05366	to	92.05366

Section	Analysis	Technique	Analyst	Due-date
I	AG	FAA	BH	5/13/92
I	BA	ICPES	JDM	5/13/92
I	CD	ICPES	JDM	5/13/92
I	CR	ICPES	JDM	5/13/92
I	PB	ICPES	JDM	5/13/92
I	AS	ETVAA	MB	5/13/92
I	HG	CVAA	MB	5/13/92
I	SE	ETVAA	MB	5/13/92

REMARKS:

TA-53 LAGOONS --
CAUTION: THESE SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04885, 92.04886, 92.05003 TO 92.05006 = ALL ANALYSIS (TOTALS)

QCS:

92.05363 = BA, CD, CR, PB
92.05364 = HG
92.05365 = AS, SE
92.05366 = AG

Amended:
See Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12776

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0018

Request date: 14-Apr-1992 Completion date: 14-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: [redacted] HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 [redacted] Date: 23-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 23-Apr-1992 Total No. received: 17 + 8QCS

Matrix	Initial SN		Final SN	# Received
C	92.04983	to	92.04999	17
W	92.05037	to	92.05038	2
W	92.05739	to	92.05740	2
W	92.05740	to	92.05741	2
W	92.05743	to	92.05744	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12776	92.04983	53-NE-A1-S	4/14/92
12776	92.04984	53-NE-B1-S	4/14/92
12776	92.04985	53-NE-C1-S	4/14/92
12776	92.04986	53-NE-D1-S	4/14/92
12776	92.04987	53-NE-E1-S	4/14/92
12776	92.04988	53-NE-Q-S	4/14/92
12776	92.04989	53-NE-Q-S-QA	4/14/92
12776	92.04990	53-NE-R-S	4/14/92
12776	92.04991	53-NE-S-S	4/14/92
12776	92.04992	53-NE-T-S	4/14/92
12776	92.04993	53-NE-U-S	4/14/92
12776	92.04994	53-NE-V-S	4/14/92
12776	92.04995	53-NE-W-S	4/14/92
12776	92.04996	53-NE-W-S-QA	4/14/92
12776	92.04997	53-NE-X-S	4/14/92
12776	92.04998	53-NE-Y-S	4/14/92
12776	92.04999	53-NE-Z-S	4/14/92
12776	92.05037	00.22728	2/13/92
12776	92.05038	00.22730	2/13/92
12776	92.05739	00.23794	12/19/91
12776	92.05740	00.23793	12/19/91
12776	92.05741	00.23647	10/29/91
12776	92.05742	00.23646	10/29/91
12776	92.05743	00.24978	4/23/92
12776	92.05744	00.24976	4/23/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12776

****

'rogram code: W21M Task ID number: Request date: 14-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04983	to	92.04999
W	92.05037	to	92.05038
W	92.05739	to	92.05740
W	92.05740	to	92.05741
W	92.05743	to	92.05744

Section	Analysis	Technique	Analyst	Due-date
I	HG	CVAA	MB	6/14/92
I	AG	ICPMS	MWK	6/14/92
I	AS	ICPMS	MWK	6/14/92
I	BA	ICPMS	MWK	6/14/92
I	CD	ICPMS	MWK	6/14/92
I	CR	ICPMS	MWK	6/14/92
I	PB	ICPMS	MWK	6/14/92
I	SE	ICPMS	MWK	6/14/92

REMARKS:

TA-53 LAGOONS -- NE
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLE HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04983 TO 92.04999 = ALL ANALYSIS (TOTALS)

QCS:

92.05037, 92.05038 = HG
AMENDED ON 04/23/92 WITH THE FOLLOWING CHANGES:

MODIFIED ANALYST AND TECHNIQUE ASSIGNMENTS FOR
AS, BA, CD, CR, PB, AG, SE TO ICPMS BY MWK
DELETED SN #92.05035, 92.05036 (BA, CD, CR, PB)
DELETED SN #92.05039, 92.05040 (AS, SE)
DELETED SN #92.05041, 92.05042 (AG)

ADDED THE FOLLOWING QCS:
92.05739, 92.05740 = AS, BA, CD, CR, PB
92.05741, 92.05742 = AG
92.05743, 92.05744 = SE

Superceded by amended agreement (see 4/23/12 Remarks)

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12776

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0018

Request date: 14-Apr-1992 Completion date: 14-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip [redacted] HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: [redacted] Date: 15-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 15-Apr-1992 Total No. received: 17 + 8GCS

Matrix	Initial SN		Final SN	# Received
C	92.04983	to	92.04999	17
W	92.05035	to	92.05036	2
W	92.05037	to	92.05038	2
W	92.05039	to	92.05040	2
W	92.05041	to	92.05042	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12776	92.04983	53-NE-A1-S	4/14/92
12776	92.04984	53-NE-B1-S	4/14/92
12776	92.04985	53-NE-C1-S	4/14/92
12776	92.04986	53-NE-D1-S	4/14/92
12776	92.04987	53-NE-E1-S	4/14/92
12776	92.04988	53-NE-Q-S	4/14/92
12776	92.04989	53-NE-Q-S-QA	4/14/92
12776	92.04990	53-NE-R-S	4/14/92
12776	92.04991	53-NE-S-S	4/14/92
12776	92.04992	53-NE-T-S	4/14/92
12776	92.04993	53-NE-U-S	4/14/92
12776	92.04994	53-NE-V-S	4/14/92
12776	92.04995	53-NE-W-S	4/14/92
12776	92.04996	53-NE-W-S-QA	4/14/92
12776	92.04997	53-NE-X-S	4/14/92
12776	92.04998	53-NE-Y-S	4/14/92
12776	92.04999	53-NE-Z-S	4/14/92
12776	92.05035	00.23613	10/22/91
12776	92.05036	00.24878	4/14/92
12776	92.05037	00.22728	2/13/92
12776	92.05038	00.22730	2/13/92
12776	92.05039	00.21215	2/25/90
12776	92.05040	00.21214	2/25/90
12776	92.05041	00.24388	4/13/92
12776	92.05042	00.24396	4/13/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12776

****

Program code: W21M Task ID number: Request date: 14-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04983	to	92.04999
W	92.05035	to	92.05036
W	92.05037	to	92.05038
W	92.05039	to	92.05040
W	92.05041	to	92.05042

Section	Analysis	Technique	Analyst	Due-date
I	AG	FAA	BH	6/14/92
I	BA	ICPES	JDM	6/14/92
I	CD	ICPES	JDM	6/14/92
I	CR	ICPES	JDM	6/14/92
I	PB	ICPES	JDM	6/14/92
I	AS	ETVAA	MB	6/14/92
I	HG	CVAA	MB	6/14/92
I	SE	ETVAA	MB	6/14/92

REMARKS:

TA-53 LAGOONS -- NE
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLE HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04983 TO 92.04999 = ALL ANALYSIS (TOTALS)

QCS:

92.05035, 92.05036 = BA, CD, CR, PB
92.05037, 92.05038 = HG
92.05039, 92.05040 = AS, SE
92.05041, 92.05042 = AG

Amended:
See Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12782

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0018

Request date: 15-Apr-1992 Completion date: 15-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 24-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 24-Apr-1992 Total No. received: 17 + 8 QC

Matrix	Initial SN		Final SN	# Received
C	92.05120	to	92.05136	17
W	92.05198	to	92.05199	2
W	92.05766	to	92.05767	2
W	92.05768	to	92.05769	2
W	92.05770	to	92.05771	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12782

****

rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.05120	to	92.05136
W	92.05198	to	92.05199
W	92.05766	to	92.05767
W	92.05768	to	92.05769
W	92.05770	to	92.05771

Section	Analysis	Technique	Analyst	Due-date
I	HG	CVAA	MB	6/15/92
I	AG	ICPMS	MWK	6/15/92
I	AS	ICPMS	MWK	6/15/92
I	BA	ICPMS	MWK	6/15/92
I	CD	ICPMS	MWK	6/15/92
I	CR	ICPMS	MWK	6/15/92
I	PB	ICPMS	MWK	6/15/92
I	SE	ICPMS	MWK	6/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
THESE SAMPLES ALSO HAVE ELEVATED RAD COUNTS (ALPHA); SEE APEL FOR DATA

}.05120 TO 92.05136 = ALL ANALYSIS

QCS:

92.05766, 92.05767 = AS, BA, CD, CR, PB
92.05198, 92.05199 = HG
92.05768, 92.05769 = AG
92.05770, 92.05771 = SE

AMENDED ON 04/24/92 WITH THE FOLLOWING CHANGES:
MODIFIED ANALYST AND TECHNIQUE ASSIGNMENTS FOR
AS, BA, CD, CR, PB, AG, SE TO MWK BY ICPMS
DELETED SN #92.05196, 92.05197 (BA, CD, CR, PB) QCS
DELETED SN #92.05200, 92.05201 (AS, SE) QCS
DELETED SN #92.05202, 92.05203 (AG) QCS

ADDED QCS:

92.05766, 92.05767 = AS, BA, CD, CR, PB
92.05768, 92.05769 = AG
92.05770, 92.05771 = SE

Superceded by amended agreement (See 4/24/92 Remarks)

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12782

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0018

Request date: 15-Apr-1992 Completion date: 15-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 17 + 8 QCs

Matrix	Initial SN		Final SN	# Received
C	92.05120	to	92.05136	17
W	92.05196	to	92.05197	2
W	92.05198	to	92.05199	2
W	92.05200	to	92.05201	2
W	92.05202	to	92.05203	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12782

****

Program code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.05120	to	92.05136
W	92.05196	to	92.05197
W	92.05198	to	92.05199
W	92.05200	to	92.05201
W	92.05202	to	92.05203

Section	Analysis	Technique	Analyst	Due-date
I	AG	FAA	BH	6/15/92
I	BA	ICPES	JDM	6/15/92
I	CD	ICPES	JDM	6/15/92
I	CR	ICPES	JDM	6/15/92
I	PB	ICPES	JDM	6/15/92
I	AS	ETVAA	MB	6/15/92
I	HG	CVAA	MB	6/15/92
I	SE	ETVAA	MB	6/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
THESE SAMPLES ALSO HAVE ELEVATED RAD COUNTS (ALPHA); SEE APEL FOR DATA

92.05120 TO 92.05136 = ALL ANALYSIS

QCS:
92.05196, 92.05197 = BA, CD, CR, PB
92.05198, 92.05199 = HG
92.05200, 92.05201 = AS, SE
92.05202, 92.05203 = AG

Amended:
See Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12786

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0002

Request date: 15-Apr-1992 Completion date: 15-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 27-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature: [illegible] Date: 27-Apr-1992 Total No. received: 374 CS

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05380	to	92.05380	1
W	92.05882	to	92.05882	1
W	92.05883	to	92.05883	1
W	92.05884	to	92.05884	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12786	92.05154	53-SC-G1-W	4/15/92
12786	92.05155	53-SC-G1-W-Q	4/15/92
12786	92.05156	53-SC-EBK-W	4/15/92
12786	92.05380	00.27727	3/18/92
12786	92.05882	00.23799	12/20/91
12786	92.05883	00.24986	4/24/92
12786	92.05884	00.24983	4/24/92

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HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12786

****

'rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05380	to	92.05380
W	92.05882	to	92.05882
W	92.05883	to	92.05883
W	92.05884	to	92.05884

Section	Analysis	Technique	Analyst	Due-date
I	HG	CVAA	MB	6/15/92
I	AG	ICPMS	MWK	6/15/92
I	AS	ICPMS	MWK	6/15/92
I	BA	ICPMS	MWK	6/15/92
I	CD	ICPMS	MWK	6/15/92
I	CR	ICPMS	MWK	6/15/92
I	PB	ICPMS	MWK	6/15/92
I	SE	ICPMS	MWK	6/15/92

REMARKS:

TA-53 LAGOON -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!
ELEVATED RAD COUNTS (ALPHA); SEE APEL FOR DATA

'2.05154 TO 92.05156 = ALL ANALYSIS (TOTALS)

QCS:
92.05882 = AS, BA, CD, CR, PB
92.05380 = HG
92.05883 = AG
92.05884 = SE

AMENDED ON 04/27/92 WITH THE FOLLOWING CHANGES:
MODIFIED THE TECHNIQUE AND ANALYST ASSIGNMENTS FOR
AS, AG, BA, CD, CR, PB, SE TO MWK BY ICPMS
DELETE SN #92.05379 (BA, CD, CR, PB) QC
DELETE SN #92.05381 (AS, SE) QC
DELETE SN #92.05382 (AG) QC

ADDED THE FOLLOWING QCS:
92.05382 = AS, BA, CD, CR, PB
92.05883 = AG
92.05884 = SE

Superceded by Amended agreement (see Remarks for 4/27/92

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HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12786

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21M Task ID #: No. Samples Expected: 0002

Request date: 15-Apr-1992 Completion date: 15-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freequez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MB: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

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III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 3 + 4 CS

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05379	to	92.05379	1
W	92.05380	to	92.05380	1
W	92.05381	to	92.05381	1
W	92.05382	to	92.05382	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12786	92.05154	53-SC-G1-W	4/15/92
12786	92.05155	53-SC-G1-W-Q	4/15/92
12786	92.05156	53-SC-EBK-W	4/15/92
12786	92.05379	00.24882	4/14/92
12786	92.05380	00.27727	3/18/92
12786	92.05381	00.24423	1/28/92
12786	92.05382	00.24402	4/13/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12786

****

Program code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05379	to	92.05379
W	92.05380	to	92.05380
W	92.05381	to	92.05381
W	92.05382	to	92.05382

Section	Analysis	Technique	Analyst	Due-date
I	AG	FAA	BH	6/15/92
I	BA	ICPES	JDM	6/15/92
I	CD	ICPES	JDM	6/15/92
I	CR	ICPES	JDM	6/15/92
I	PB	ICPES	JDM	6/15/92
I	AS	ETVAA	MB	6/15/92
I	HG	CVAA	MB	6/15/92
I	SE	ETVAA	MB	6/15/92

REMARKS:

TA-53 LAGOON -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!
ELEVATED RAD COUNTS (ALPHA); SEE APEL FOR DATA

92.05154 TO 92.05156 = ALL ANALYSIS (TOTALS)

ICS:
92.05379 = BA, CD, CR, PB
92.05380 = HG
92.05381 = AS, SE
92.05382 = AG

REPORT NUMBER: 14397

********** EM-9 ANALYTICAL REPORT **********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12776 MATRIX: C ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: ICPMS ANALYTICAL PROCEDURE: EPA6020 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NE-A1-S	92.04983	AG	< 1.3		UG/G	6/29/92	
53-NE-A1-S	92.04983	AS	2.2	1.	UG/G	6/29/92	
53-NE-A1-S	92.04983	BA	28.9	3.	UG/G	6/29/92	
53-NE-A1-S	92.04983	CD	< 1.3		UG/G	6/29/92	
53-NE-A1-S	92.04983	CR	7.	1.	UG/G	6/29/92	
53-NE-A1-S	92.04983	PB	6.1	1.	UG/G	6/29/92	
53-NE-A1-S	92.04983	SE	< 1.3		UG/G	6/29/92	
53-NE-B1-S	92.04984	AG	< 1.6		UG/G	6/29/92	
53-NE-B1-S	92.04984	AS	2.8	1.	UG/G	6/29/92	
53-NE-B1-S	92.04984	BA	38.9	4.	UG/G	6/29/92	
53-NE-B1-S	92.04984	CD	< 1.6		UG/G	6/29/92	
53-NE-B1-S	92.04984	CR	6.	1.	UG/G	6/29/92	
53-NE-B1-S	92.04984	PB	6.2	1.	UG/G	6/29/92	
53-NE-B1-S	92.04984	SE	5.8	1.	UG/G	6/29/92	
53-NE-C1-S	92.04985	AG	2.5	1.	UG/G	6/29/92	
53-NE-C1-S	92.04985	AS	2.4	1.	UG/G	6/29/92	
53-NE-C1-S	92.04985	BA	15.3	1.	UG/G	6/29/92	
53-NE-C1-S	92.04985	CD	< 1.7		UG/G	6/29/92	
53-NE-C1-S	92.04985	CR	3.6	1.	UG/G	6/29/92	
53-NE-C1-S	92.04985	PB	5.3	1.	UG/G	6/29/92	
53-NE-C1-S	92.04985	SE	2.6	1.	UG/G	6/29/92	
53-NE-D1-S	92.04986	AG	< 1.3		UG/G	6/29/92	
53-NE-D1-S	92.04986	AS	3.	1.	UG/G	6/29/92	
53-NE-D1-S	92.04986	BA	41.4	4.	UG/G	6/29/92	
53-NE-D1-S	92.04986	CD	< 1.3		UG/G	6/29/92	
53-NE-D1-S	92.04986	CR	6.1	1.	UG/G	6/29/92	
53-NE-D1-S	92.04986	PB	6.9	1.	UG/G	6/29/92	
53-NE-D1-S	92.04986	SE	3.6	1.	UG/G	6/29/92	
53-NE-E1-S	92.04987	AG	< 1.3		UG/G	6/29/92	
53-NE-E1-S	92.04987	AS	2.8	1.	UG/G	6/29/92	
53-NE-E1-S	92.04987	BA	34.9	3.	UG/G	6/29/92	
53-NE-E1-S	92.04987	CD	< 1.3		UG/G	6/29/92	
53-NE-E1-S	92.04987	CR	5.6	1.	UG/G	6/29/92	
53-NE-E1-S	92.04987	PB	5.1	1.	UG/G	6/29/92	
53-NE-E1-S	92.04987	SE	4.5	1.	UG/G	6/29/92	
53-NE-Q-S	92.04988	AG	< 1.1		UG/G	6/29/92	
53-NE-Q-S	92.04988	AS	1.8	1.	UG/G	6/29/92	

53-NE-Q-S	92.04988	BA	21.7	2.	UG/G	6/29/92
53-NE-Q-S	92.04988	CD	< 1.1		UG/G	6/29/92
53-NE-Q-S	92.04988	CR	3.5	1.	UG/G	6/29/92
53-NE-Q-S	92.04988	PB	3.7	1.	UG/G	6/29/92
53-NE-Q-S	92.04988	SE	3.2	1.	UG/G	6/29/92
53-NE-Q-S-QA	92.04989	AG	< 1.5		UG/G	6/29/92
53-NE-Q-S-QA	92.04989	AS	2.1	1.	UG/G	6/29/92
53-NE-Q-S-QA	92.04989	BA	22.7	2.	UG/G	6/29/92
53-NE-Q-S-QA	92.04989	CD	< 1.5		UG/G	6/29/92
53-NE-Q-S-QA	92.04989	CR	5.3	1.	UG/G	6/29/92
53-NE-Q-S-QA	92.04989	PB	4.1	1.	UG/G	6/29/92
53-NE-Q-S-QA	92.04989	SE	1.6	1.	UG/G	6/29/92
53-NE-R-S	92.04990	AG	< 2.1		UG/G	6/29/92
53-NE-R-S	92.04990	AS	3.3	1.	UG/G	6/29/92
53-NE-R-S	92.04990	BA	38.3	4.	UG/G	6/29/92
53-NE-R-S	92.04990	CD	< 2.1		UG/G	6/29/92
53-NE-R-S	92.04990	CR	7.9	1.	UG/G	6/29/92
53-NE-R-S	92.04990	PB	5.6	1.	UG/G	6/29/92
53-NE-R-S	92.04990	SE	2.5	1.	UG/G	6/29/92
53-NE-S-S	92.04991	AG	< 0.92		UG/G	6/29/92
53-NE-S-S	92.04991	AS	4.3	1.	UG/G	6/29/92
53-NE-S-S	92.04991	BA	52.4	5.	UG/G	6/29/92
53-NE-S-S	92.04991	CD	< 0.92		UG/G	6/29/92
53-NE-S-S	92.04991	CR	9.4	1.	UG/G	6/29/92
53-NE-S-S	92.04991	PB	10.3	1.	UG/G	6/29/92
53-NE-S-S	92.04991	SE	2.6	1.	UG/G	6/29/92
53-NE-T-S	92.04992	AG	2.8	1.	UG/G	6/29/92
53-NE-T-S	92.04992	AS	2.8	1.	UG/G	6/29/92
53-NE-T-S	92.04992	BA	9.3	1.	UG/G	6/29/92
53-NE-T-S	92.04992	CD	< 2.		UG/G	6/29/92
53-NE-T-S	92.04992	CR	3.	1.	UG/G	6/29/92
53-NE-T-S	92.04992	PB	4.4	1.	UG/G	6/29/92
53-NE-T-S	92.04992	SE	6.8	1.	UG/G	6/29/92
53-NE-U-S	92.04993	AG	< 1.6		UG/G	6/29/92
53-NE-U-S	92.04993	AS	2.5	1.	UG/G	6/29/92
53-NE-U-S	92.04993	BA	24.4	2.	UG/G	6/29/92
53-NE-U-S	92.04993	CD	< 1.6		UG/G	6/29/92
53-NE-U-S	92.04993	CR	6.1	1.	UG/G	6/29/92
53-NE-U-S	92.04993	PB	6.2	1.	UG/G	6/29/92
53-NE-U-S	92.04993	SE	5.3	1.	UG/G	6/29/92
53-NE-V-S	92.04994	AG	< 1.9		UG/G	6/30/92
53-NE-V-S	92.04994	AS	3.6	1.	UG/G	6/30/92
53-NE-V-S	92.04994	BA	39.6	4.	UG/G	6/30/92
53-NE-V-S	92.04994	CD	< 1.9		UG/G	6/30/92
53-NE-V-S	92.04994	CR	8.3	1.	UG/G	6/30/92
53-NE-V-S	92.04994	PB	5.7	1.	UG/G	6/30/92
53-NE-V-S	92.04994	SE	< 1.9		UG/G	6/30/92
53-NE-W-S	92.04995	AG	< 1.5		UG/G	6/30/92
53-NE-W-S	92.04995	AS	3.4	1.	UG/G	6/30/92
53-NE-W-S	92.04995	BA	35.1	4.	UG/G	6/30/92
53-NE-W-S	92.04995	CD	< 1.5		UG/G	6/30/92
53-NE-W-S	92.04995	CR	7.7	1.	UG/G	6/30/92
53-NE-W-S	92.04995	PB	4.9	1.	UG/G	6/30/92
53-NE-W-S	92.04995	SE	< 1.5		UG/G	6/30/92
53-NE-W-S-QA	92.04996	AG	< 1.5		UG/G	6/30/92
53-NE-W-S-QA	92.04996	AS	4.8	1.	UG/G	6/30/92
53-NE-W-S-QA	92.04996	BA	33.8	3.	UG/G	6/30/92
53-NE-W-S-QA	92.04996	CD	< 1.5		UG/G	6/30/92
53-NE-W-S-QA	92.04996	CR	11.3	1.	UG/G	6/30/92
53-NE-W-S-QA	92.04996	PB	6.8	1.	UG/G	6/30/92

53-NE-W-S-QA	92.04996	SE	< 1.5		UG/G	6/30/92	
53-NE-X-S	92.04997	AG	< 1.7		UG/G	6/30/92	
53-NE-X-S	92.04997	AS	3.9	1.	UG/G	6/30/92	
53-NE-X-S	92.04997	BA	36.	4.	UG/G	6/30/92	
53-NE-X-S	92.04997	CD	< 1.7		UG/G	6/30/92	
53-NE-X-S	92.04997	CR	7.7	1.	UG/G	6/30/92	
53-NE-X-S	92.04997	PB	5.4	1.	UG/G	6/30/92	
53-NE-X-S	92.04997	SE	< 1.7		UG/G	6/30/92	
53-NE-Y-S	92.04998	AG	< 1.5		UG/G	6/30/92	
53-NE-Y-S	92.04998	AS	2.8	1.	UG/G	6/30/92	
53-NE-Y-S	92.04998	BA	13.2	1.	UG/G	6/30/92	
53-NE-Y-S	92.04998	CD	< 1.5		UG/G	6/30/92	
53-NE-Y-S	92.04998	CR	5.4	1.	UG/G	6/30/92	
53-NE-Y-S	92.04998	PB	4.4	1.	UG/G	6/30/92	
53-NE-Y-S	92.04998	SE	< 1.5		UG/G	6/30/92	
53-NE-Z-S	92.04999	AG	2.6	1.	UG/G	6/30/92	
53-NE-Z-S	92.04999	AS	2.5	1.	UG/G	6/30/92	
53-NE-Z-S	92.04999	BA	22.6	2.	UG/G	6/30/92	
53-NE-Z-S	92.04999	CD	< 1.8		UG/G	6/30/92	
53-NE-Z-S	92.04999	CR	6.4	1.	UG/G	6/30/92	
53-NE-Z-S	92.04999	PB	4.4	1.	UG/G	6/30/92	
53-NE-Z-S	92.04999	SE	< 1.8		UG/G	6/30/92	

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NE-A1-S	92.04983	AG	< 1.9		UG/G	6/29/92	
53-NE-A1-S	92.04983	AS	2.8	1.	UG/G	6/29/92	
53-NE-A1-S	92.04983	BA	30.4	3.	UG/G	6/29/92	
53-NE-A1-S	92.04983	CD	< 1.9		UG/G	6/29/92	
53-NE-A1-S	92.04983	CR	6.	1.	UG/G	6/29/92	
53-NE-A1-S	92.04983	PB	5.8	1.	UG/G	6/29/92	
53-NE-A1-S	92.04983	SE	< 1.9		UG/G	6/29/92	
53-NE-U-S	92.04993	AG	< 1.8		UG/G	6/29/92	
53-NE-U-S	92.04993	AS	2.8	1.	UG/G	6/29/92	
53-NE-U-S	92.04993	BA	21.7	2.	UG/G	6/29/92	
53-NE-U-S	92.04993	CD	< 1.8		UG/G	6/29/92	
53-NE-U-S	92.04993	CR	7.1	1.	UG/G	6/29/92	
53-NE-U-S	92.04993	PB	4.	1.	UG/G	6/29/92	
53-NE-U-S	92.04993	SE	< 1.8		UG/G	6/29/92	

MATRIX SPIKES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
53-NE-A1-S	92.04983	AG	7.9	8.3	UG/G	6/29/92	
53-NE-A1-S	92.04983	AS	7.9	8.6	UG/G	6/29/92	
53-NE-A1-S	92.04983	BA	7.9	19.	UG/G	6/29/92	
53-NE-A1-S	92.04983	CD	7.9	9.	UG/G	6/29/92	
53-NE-A1-S	92.04983	CR	7.9	9.2	UG/G	6/29/92	
53-NE-A1-S	92.04983	PB	7.9	5.1	UG/G	6/29/92	
53-NE-A1-S	92.04983	SE	7.9	4.4	UG/G	6/29/92	
53-NE-U-S	92.04993	AG	6.4	6.7	UG/G	6/29/92	
53-NE-U-S	92.04993	AS	6.4	7.	UG/G	6/29/92	
53-NE-U-S	92.04993	BA	6.4	6.8	UG/G	6/29/92	

53-NE-U-S	92.04993 CD	6.4	7.6	UG/G	6/29/92
53-NE-U-S	92.04993 CR	6.4	9.6	UG/G	6/29/92
53-NE-U-S	92.04993 PB	6.4	3.8	UG/G	6/29/92
53-NE-U-S	92.04993 SE	6.4	3.5	UG/G	6/29/92

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********** EM-9 ANALYTICAL REPORT **********

Prepared by: MGBELL on 9-Jun-1992

ANALYSIS: HG REQUEST NUMBER: 12776 MATRIX: C ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE: 245.2 NOTEBOOK: Y04110 PAGE: 115

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NE-A1-S	92.04983	57.	10.	NG/G	6/08/92	
53-NE-B1-S	92.04984	39.	10.	NG/G	6/08/92	
53-NE-C1-S	92.04985	101.	10.	NG/G	6/08/92	
53-NE-D1-S	92.04986	43.	10.	NG/G	6/08/92	
53-NE-E1-S	92.04987	46.	10.	NG/G	6/08/92	
53-NE-Q-S	92.04988	35.	10.	NG/G	6/08/92	
53-NE-Q-S-QA	92.04989	42.	10.	NG/G	6/08/92	
53-NE-R-S	92.04990	34.	10.	NG/G	6/08/92	
53-NE-S-S	92.04991	36.	10.	NG/G	6/08/92	
53-NE-T-S	92.04992	89.	10.	NG/G	6/08/92	
53-NE-U-S	92.04993	43.	10.	NG/G	6/08/92	
53-NE-V-S	92.04994	29.	10.	NG/G	6/08/92	
53-NE-W-S	92.04995	30.	10.	NG/G	6/08/92	
53-NE-W-S-QA	92.04996	50.	10.	NG/G	6/08/92	
53-NE-X-S	92.04997	19.	10.	NG/G	6/08/92	
53-NE-Y-S	92.04998	114.	11.	NG/G	6/08/92	
53-NE-Z-S	92.04999	429.	43.	NG/G	6/08/92	

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NE-A1-S	92.04983	56.	10.	NG/G	6/08/92	
53-NE-U-S	92.04993	45.	10.	NG/G	6/08/92	

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER SAMPLE MATRIX SPIKES :

CUSTOMER NUMBER	SAMPLE NUMBER	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
53-NE-A1-S	92.04983	2.	2.1	UG/L	6/08/92	
53-NE-U-S	92.04993	2.	2.2	UG/L	6/08/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MGBELL on 9-Jun-1992

REQUEST NUMBER: 12776 MATRIX: C ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.23653	4.	0.4	UG/L	4.	0.2	6/08/92	UNDER CONTROL
00.23653	4.1	0.4	UG/L	4.	0.2	6/08/92	UNDER CONTROL
00.24494	7.3	0.7	UG/L	7.	0.41	6/08/92	UNDER CONTROL

UMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.05037	1.5	0.2	UG/L	1.5	0.09	6/08/92	UNDER CONTROL
92.05038	2.5	0.3	UG/L	2.5	0.15	6/08/92	UNDER CONTROL

REPORT NUMBER: 14187	Analyst	Reviewer	Section Leader	QA Officer
	6/9/92	6/9/92	6/9/92	6/9/92
	Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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REPORT NUMBER: 14396

********** EM-9 ANALYTICAL REPORT **********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12768 MATRIX: C ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: ICPMS ANALYTICAL PROCEDURE: EPA6020 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-A-S	92.04867	AG	2.3	1.	UG/G	6/30/92	
53-NW-A-S	92.04867	AS	2.3	1.	UG/G	6/30/92	
53-NW-A-S	92.04867	BA	26.6	3.	UG/G	6/30/92	
53-NW-A-S	92.04867	CD	< 1.9		UG/G	6/30/92	
53-NW-A-S	92.04867	CR	6.3	1.	UG/G	6/30/92	
53-NW-A-S	92.04867	PB	9.5	1.	UG/G	6/30/92	
53-NW-A-S	92.04867	SE	< 1.9		UG/G	6/30/92	
53-NW-B-S	92.04868	AG	2.1	1.	UG/G	6/30/92	
53-NW-B-S	92.04868	AS	2.8	1.	UG/G	6/30/92	
53-NW-B-S	92.04868	BA	44.8	4.	UG/G	6/30/92	
53-NW-B-S	92.04868	CD	< 1.9		UG/G	6/30/92	
53-NW-B-S	92.04868	CR	11.1	1.	UG/G	6/30/92	
53-NW-B-S	92.04868	PB	17.9	2.	UG/G	6/30/92	
53-NW-B-S	92.04868	SE	< 1.9		UG/G	6/30/92	
53-NW-C-S	92.04869	AG	< 1.5		UG/G	6/30/92	
53-NW-C-S	92.04869	AS	2.7	1.	UG/G	6/30/92	
53-NW-C-S	92.04869	BA	43.8	4.	UG/G	6/30/92	
53-NW-C-S	92.04869	CD	< 1.5		UG/G	6/30/92	
53-NW-C-S	92.04869	CR	7.7	1.	UG/G	6/30/92	
53-NW-C-S	92.04869	PB	13.5	1.	UG/G	6/30/92	
53-NW-C-S	92.04869	SE	< 1.5		UG/G	6/30/92	
53-NW-D-S	92.04870	AG	< 1.2		UG/G	6/30/92	
53-NW-D-S	92.04870	AS	2.	1.	UG/G	6/30/92	
53-NW-D-S	92.04870	BA	48.5	5.	UG/G	6/30/92	
53-NW-D-S	92.04870	CD	< 1.2		UG/G	6/30/92	
53-NW-D-S	92.04870	CR	5.9	1.	UG/G	6/30/92	
53-NW-D-S	92.04870	PB	21.7	2.	UG/G	6/30/92	
53-NW-D-S	92.04870	SE	< 1.2		UG/G	6/30/92	
53-NW-E-S	92.04871	AG	2.3	1.	UG/G	6/30/92	
53-NW-E-S	92.04871	AS	2.4	1.	UG/G	6/30/92	
53-NW-E-S	92.04871	BA	50.2	5.	UG/G	6/30/92	
53-NW-E-S	92.04871	CD	< 1.3		UG/G	6/30/92	
53-NW-E-S	92.04871	CR	7.1	1.	UG/G	6/30/92	
53-NW-E-S	92.04871	PB	16.5	2.	UG/G	6/30/92	
53-NW-E-S	92.04871	SE	< 1.3		UG/G	6/30/92	
53-NW-F-S	92.04872	AG	< 1.8		UG/G	6/30/92	
53-NW-F-S	92.04872	AS	2.7	1.	UG/G	6/30/92	

53-NW-F-S	92.04872	BA	31.4	3.	UG/G	6/30/92
53-NW-F-S	92.04872	CD	< 1.7		UG/G	6/30/92
53-NW-F-S	92.04872	CR	6.4	1.	UG/G	6/30/92
53-NW-F-S	92.04872	PB	12.6	1.	UG/G	6/30/92
53-NW-F-S	92.04872	SE	< 1.8		UG/G	6/30/92
53-NW-G-S	92.04873	AG	< 1.8		UG/G	6/30/92
53-NW-G-S	92.04873	AS	2.9	1.	UG/G	6/30/92
53-NW-G-S	92.04873	BA	46.1	5.	UG/G	6/30/92
53-NW-G-S	92.04873	CD	< 1.8		UG/G	6/30/92
53-NW-G-S	92.04873	CR	14.8	1.	UG/G	6/30/92
53-NW-G-S	92.04873	PB	11.4	1.	UG/G	6/30/92
53-NW-G-S	92.04873	SE	< 1.8		UG/G	6/30/92
53-NW-H-S	92.04874	AG	< 1.3		UG/G	6/30/92
53-NW-H-S	92.04874	AS	2.2	1.	UG/G	6/30/92
53-NW-H-S	92.04874	BA	45.3	5.	UG/G	6/30/92
53-NW-H-S	92.04874	CD	< 1.3		UG/G	6/30/92
53-NW-H-S	92.04874	CR	9.8	1.	UG/G	6/30/92
53-NW-H-S	92.04874	PB	11.5	1.	UG/G	6/30/92
53-NW-H-S	92.04874	SE	< 1.3		UG/G	6/30/92
53-NW-I-S	92.04875	AG	3.2	1.	UG/G	6/30/92
53-NW-I-S	92.04875	AS	3.6	1.	UG/G	6/30/92
53-NW-I-S	92.04875	BA	28.2	3.	UG/G	6/30/92
53-NW-I-S	92.04875	CD	1.9	1.	UG/G	6/30/92
53-NW-I-S	92.04875	CR	8.4	1.	UG/G	6/30/92
53-NW-I-S	92.04875	PB	26.8	3.	UG/G	6/30/92
53-NW-I-S	92.04875	SE	< 1.5		UG/G	6/30/92
53-NW-J-S	92.04876	AG	3.8	1.	UG/G	6/30/92
53-NW-J-S	92.04876	AS	2.8	1.	UG/G	6/30/92
53-NW-J-S	92.04876	BA	29.4	3.	UG/G	6/30/92
53-NW-J-S	92.04876	CD	3.1	1.	UG/G	6/30/92
53-NW-J-S	92.04876	CR	16.4	2.	UG/G	6/30/92
53-NW-J-S	92.04876	PB	44.8	4.	UG/G	6/30/92
53-NW-J-S	92.04876	SE	< 1.4		UG/G	6/30/92
53-NW-K-S	92.04877	AG	< 1.5		UG/G	6/30/92
53-NW-K-S	92.04877	AS	2.7	1.	UG/G	6/30/92
53-NW-K-S	92.04877	BA	36.	4.	UG/G	6/30/92
53-NW-K-S	92.04877	CD	2.8	1.	UG/G	6/30/92
53-NW-K-S	92.04877	CR	11.3	1.	UG/G	6/30/92
53-NW-K-S	92.04877	PB	27.3	3.	UG/G	6/30/92
53-NW-K-S	92.04877	SE	2.1	1.	UG/G	6/30/92
53-NW-L-S	92.04878	AG	< 1.4		UG/G	6/30/92
53-NW-L-S	92.04878	AS	2.3	1.	UG/G	6/30/92
53-NW-L-S	92.04878	BA	43.3	4.	UG/G	6/30/92
53-NW-L-S	92.04878	CD	< 1.4		UG/G	6/30/92
53-NW-L-S	92.04878	CR	8.7	1.	UG/G	6/30/92
53-NW-L-S	92.04878	PB	20.2	2.	UG/G	6/30/92
53-NW-L-S	92.04878	SE	2.	1.	UG/G	6/30/92
53-NW-N-S	92.04879	AG	2.	1.	UG/G	6/30/92
53-NW-N-S	92.04879	AS	2.6	1.	UG/G	6/30/92
53-NW-N-S	92.04879	BA	26.	3.	UG/G	6/30/92
53-NW-N-S	92.04879	CD	< 1.5		UG/G	6/30/92
53-NW-N-S	92.04879	CR	7.3	1.	UG/G	6/30/92
53-NW-N-S	92.04879	PB	14.1	1.	UG/G	6/30/92
53-NW-N-S	92.04879	SE	< 1.5		UG/G	6/30/92
53-NW-M-S	92.04880	AG	5.1	1.	UG/G	6/30/92
53-NW-M-S	92.04880	AS	2.5	1.	UG/G	6/30/92
53-NW-M-S	92.04880	BA	33.5	3.	UG/G	6/30/92
53-NW-M-S	92.04880	CD	< 1.7		UG/G	6/30/92
53-NW-M-S	92.04880	CR	7.4	1.	UG/G	6/30/92
53-NW-M-S	92.04880	PB	14.4	1.	UG/G	6/30/92

53-NW-M-S	92.04880	SE	< 1.7		UG/G	6/30/92
53-NW-N-S-QA	92.04881	AG	1.5	1.	UG/G	6/30/92
53-NW-N-S-QA	92.04881	AS	3.	1.	UG/G	6/30/92
53-NW-N-S-QA	92.04881	BA	33.2	3.	UG/G	6/30/92
53-NW-N-S-QA	92.04881	CD	< 1.4		UG/G	6/30/92
53-NW-N-S-QA	92.04881	CR	7.6	1.	UG/G	6/30/92
53-NW-N-S-QA	92.04881	PB	13.3	1.	UG/G	6/30/92
53-NW-N-S-QA	92.04881	SE	< 1.4		UG/G	6/30/92
53-NW-O-S	92.04882	AG	< 1.4		UG/G	6/30/92
53-NW-O-S	92.04882	AS	2.3	1.	UG/G	6/30/92
53-NW-O-S	92.04882	BA	28.5	3.	UG/G	6/30/92
53-NW-O-S	92.04882	CD	< 1.4		UG/G	6/30/92
53-NW-O-S	92.04882	CR	6.9	1.	UG/G	6/30/92
53-NW-O-S	92.04882	PB	13.5	1.	UG/G	6/30/92
53-NW-O-S	92.04882	SE	< 1.4		UG/G	6/30/92
53-NW-O-S-QA	92.04883	AG	< 1.8		UG/G	6/30/92
53-NW-O-S-QA	92.04883	AS	2.3	1.	UG/G	6/30/92
53-NW-O-S-QA	92.04883	BA	44.2	4.	UG/G	6/30/92
53-NW-O-S-QA	92.04883	CD	< 1.8		UG/G	6/30/92
53-NW-O-S-QA	92.04883	CR	6.5	1.	UG/G	6/30/92
53-NW-O-S-QA	92.04883	PB	15.2	2.	UG/G	6/30/92
53-NW-O-S-QA	92.04883	SE	5.9	1.	UG/G	6/30/92
53-NW-CBS-S	92.05219	AG	< 2.		UG/G	6/30/92
53-NW-CBS-S	92.05219	AS	2.8	1.	UG/G	6/30/92
53-NW-CBS-S	92.05219	BA	28.9	3.	UG/G	6/30/92
53-NW-CBS-S	92.05219	CD	< 2.		UG/G	6/30/92
53-NW-CBS-S	92.05219	CR	5.7	1.	UG/G	6/30/92
53-NW-CBS-S	92.05219	PB	47.6	5.	UG/G	6/30/92
53-NW-CBS-S	92.05219	SE	6.4	1.	UG/G	6/30/92

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-A-S	92.04867	AG	2.5	1.	UG/G	6/30/92	
53-NW-A-S	92.04867	AS	2.	1.	UG/G	6/30/92	
53-NW-A-S	92.04867	BA	22.8	2.	UG/G	6/30/92	
53-NW-A-S	92.04867	CD	2.7	1.	UG/G	6/30/92	
53-NW-A-S	92.04867	CR	5.8	1.	UG/G	6/30/92	
53-NW-A-S	92.04867	PB	28.8	3.	UG/G	6/30/92	
53-NW-A-S	92.04867	SE	< 1.9		UG/G	6/30/92	
53-NW-K-S	92.04877	AG	8.6	1.	UG/G	6/30/92	
53-NW-K-S	92.04877	AS	2.4	1.	UG/G	6/30/92	
53-NW-K-S	92.04877	BA	71.7	7.	UG/G	6/30/92	
53-NW-K-S	92.04877	CD	2.	1.	UG/G	6/30/92	
53-NW-K-S	92.04877	CR	26.1	3.	UG/G	6/30/92	
53-NW-K-S	92.04877	PB	50.4	5.	UG/G	6/30/92	
53-NW-K-S	92.04877	SE	8.7	1.	UG/G	6/30/92	

MATRIX SPIKES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
53-NW-A-S	92.04867	AG	8.8	8.8	UG/G	6/30/92	
53-NW-A-S	92.04867	AS	8.8	8.6	UG/G	6/30/92	
53-NW-A-S	92.04867	BA	8.8	12.2	UG/G	6/30/92	

53-NW-A-S	92.04867 CD	8.8	7.3	UG/G	6/30/92
53-NW-A-S	92.04867 CR	8.8	8.3	UG/G	6/30/92
53-NW-A-S	92.04867 PB	8.8	14.5	UG/G	6/30/92
53-NW-A-S	92.04867 SE	8.8	5.2	UG/G	6/30/92
53-NW-K-S	92.04877 AG	6.7	7.3	UG/G	6/30/92
53-NW-K-S	92.04877 AS	6.7	8.6	UG/G	6/30/92
53-NW-K-S	92.04877 BA	6.7	1.2	UG/G	6/30/92
53-NW-K-S	92.04877 CD	6.7	7.3	UG/G	6/30/92
53-NW-K-S	92.04877 CR	6.7	4.8	UG/G	6/30/92
53-NW-K-S	92.04877 PB	6.7	4.5	UG/G	6/30/92
53-NW-K-S	92.04877 SE	6.7	7.2	UG/G	6/30/92

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REPORT NUMBER: 14396 (continued)

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12768 MATRIX: C ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

NOTEBOOK: PAGE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.22907	AG	103.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AG	103.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AG	103.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AS	98.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AS	102.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AS	99.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	BA	101.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	BA	108.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	BA	106.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CD	103.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CD	102.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CD	104.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CR	118.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CR	107.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CR	104.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	PB	127.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	PB	126.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	SE	98.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	SE	100.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	SE	104.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.05733	AS	34.	3.	UG/L	40.	1.7	6/30/92	UNDER CONTROL
92.05733	BA	9.8	1.	UG/L	10.	0.4	6/30/92	UNDER CONTROL
92.05733	CD	25.3	3.	UG/L	26.	1.1	6/30/92	UNDER CONTROL
92.05733	CR	19.5	2.	UG/L	18.	0.8	6/30/92	UNDER CONTROL

92.05733 PB	6.5	1.	UG/L	8.	0.3	6/30/92	UNDER CONTROL
92.05734 AS	41.8	4.	UG/L	40.	1.7	6/30/92	UNDER CONTROL
92.05734 BA	20.8	2.	UG/L	20.	0.9	6/30/92	UNDER CONTROL
92.05734 CD	< 1.		UG/L	0.0		6/30/92	UNDER CONTROL
92.05734 CR	10.6	1.	UG/L	8.	0.3	6/30/92	WARNING 2-3 SIG
92.05734 PB	8.6	1.	UG/L	12.	0.5	6/30/92	OUT OF CONTROL
92.05735 AG	19.9	2.	UG/L	20.	0.9	6/30/92	UNDER CONTROL
92.05736 AG	33.3	3.	UG/L	32.	1.4	6/30/92	UNDER CONTROL
92.05737 SE	38.7	4.	UG/L	50.	2.	6/30/92	WARNING 2-3 SIG
92.05738 SE	58.	6.	UG/L	75.	3.	6/30/92	WARNING 2-3 SIG

The following analyst QC's have no CV data for comparison

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
00.22907	00.22907	10 Pb	130.	10.	UG/L	6/30/92	NO DATA AVAIL.

REPORT NUMBER: 14396

Analyst	Reviewer	Section Leader	QA Officer
6/30/92	7-1-92	7-1-92	7-1-92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

Prepared by: MGBELL on 11-Jun-1992

ANALYSIS: HG REQUEST NUMBER: 12768 MATRIX: C ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE: 245.2 NOTEBOOK: Y04110 PAGE: 123

CUSTOMER SAMPLES:

ppb.

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-A-S	92.04867	229.	23.	NG/G	6/11/92	
53-NW-B-S	92.04868	252.	25.	NG/G	6/11/92	
53-NW-C-S	92.04869	165.	17.	NG/G	6/11/92	
53-NW-D-S	92.04870	81.	10.	NG/G	6/11/92	
53-NW-E-S	92.04871	269.	27.	NG/G	6/11/92	
53-NW-F-S	92.04872	302.	30.	NG/G	6/11/92	
53-NW-G-S	92.04873	80.	10.	NG/G	6/11/92	
53-NW-H-S	92.04874	178.	18.	NG/G	6/11/92	
53-NW-I-S	92.04875	388.	39.	NG/G	6/11/92	
53-NW-J-S	92.04876	407.	41.	NG/G	6/11/92	
53-NW-K-S	92.04877	480.	48.	NG/G	6/11/92	
53-NW-L-S	92.04878	96.	10.	NG/G	6/11/92	
53-NW-N-S	92.04879	240.	24.	NG/G	6/11/92	
53-NW-M-S	92.04880	340.	34.	NG/G	6/11/92	
53-NW-N-S-QA	92.04881	159.	16.	NG/G	6/11/92	
53-NW-O-S	92.04882	108.	11.	NG/G	6/11/92	
53-NW-O-S-QA	92.04883	98.	10.	NG/G	6/11/92	
53-NW-CBS-S	92.05219	95.	10.	NG/G	6/11/92	

fk

< 20 ppm A.L.

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-A-S	92.04867	203.	20.	NG/G	6/11/92	
53-NW-A-S	92.04867	205.	21.	NG/G	6/11/92	
53-NW-G-S	92.04873	80.	10.	NG/G	6/11/92	
53-NW-K-S	92.04877	372.	37.	NG/G	6/11/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MGBELL on 11-Jun-1992

REQUEST NUMBER: 12768 MATRIX: C ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.23653	4.3	0.4	UG/L	4.	0.2	6/11/92	UNDER CONTROL
00.23653	4.2	0.4	UG/L	4.	0.2	6/11/92	UNDER CONTROL
00.23653	4.31	0.43	UG/L	4.	0.2	6/11/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.04892	3.6	0.4	UG/L	3.5	0.21	6/11/92	UNDER CONTROL
92.04893	1.1	0.1	UG/L	1.	0.06	6/11/92	UNDER CONTROL

REPORT NUMBER: 14238

Analyst	Reviewer	Section Leader	QA Officer
MS	MGB	R.P.	mag
6/11/92	6-11-92	6/11/92	6/11/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

Prepared by: MGBELL on 10-Jun-1992

ANALYSIS: HG REQUEST NUMBER: 12770 MATRIX: W ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE: 245.2 NOTEBOOK: Y04110 PAGE: 120

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-O-W	92.04885	< 0.1		UG/L	6/10/92	
53-NW-O-W-QA	92.04886	< 0.1		UG/L	6/10/92	
53-NW-EBK-W	92.05003	< 0.1		UG/L	6/10/92	
53-NE-Y-W	92.05004	< 0.1		UG/L	6/10/92	
53-NE-Y-W-QA	92.05005	< 0.1		UG/L	6/10/92	
53-NE-EBK-W	92.05006	< 0.1		UG/L	6/10/92	

USTOMER SAMPLE DUPLICATES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NE-Y-W-QA	92.05005	< 0.1		UG/L	6/10/92	

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER SAMPLE MATRIX SPIKES :-

CUSTOMER NUMBER	SAMPLE NUMBER	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
53-NE-Y-W-QA	92.05005	2.	2.	UG/L	6/10/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MGBELL on 10-Jun-1992

REQUEST NUMBER: 12770 MATRIX: W ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.23653	4.2	0.4	UG/L	4.	0.2	6/10/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.05364	2.2	0.2	UG/L	2.	0.12	6/10/92	UNDER CONTROL

REPORT NUMBER: 14221	MS	MHB	H.P.	mag
	Analyst	Reviewer	Section Leader	QA Officer
	6/10/92	6/10/92	6-10-92	6-10-92
	Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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REPORT NUMBER: 14394

********** EM-9 ANALYTICAL REPORT **********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12770 MATRIX: W ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: ICPMS ANALYTICAL PROCEDURE: EPA6020 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-O-W	92.04885	AG	< 1.		UG/L	6/26/92	
53-NW-O-W	92.04885	AS	6.8	1.	UG/L	6/26/92	
53-NW-O-W	92.04885	BA	27.9	3.	UG/L	6/26/92	
53-NW-O-W	92.04885	CD	4.5	1.	UG/L	6/26/92	
53-NW-O-W	92.04885	CR	5.8	1.	UG/L	6/26/92	
53-NW-O-W	92.04885	PB	2.4	1.	UG/L	6/26/92	
53-NW-O-W	92.04885	SE	4.5	1.	UG/L	6/26/92	
53-NW-O-W-QA	92.04886	AG	< 1.		UG/L	6/26/92	
53-NW-O-W-QA	92.04886	AS	6.3	1.	UG/L	6/26/92	
53-NW-O-W-QA	92.04886	BA	33.4	3.	UG/L	6/26/92	
53-NW-O-W-QA	92.04886	CD	4.4	1.	UG/L	6/26/92	
53-NW-O-W-QA	92.04886	CR	5.7	1.	UG/L	6/26/92	
53-NW-O-W-QA	92.04886	PB	3.1	1.	UG/L	6/26/92	
53-NW-O-W-QA	92.04886	SE	3.4	1.	UG/L	6/26/92	
53-NW-EBK-W	92.05003	AG	< 1.		UG/L	6/26/92	
53-NW-EBK-W	92.05003	AS	2.2	1.	UG/L	6/26/92	
53-NW-EBK-W	92.05003	BA	1.7	1.	UG/L	6/26/92	
53-NW-EBK-W	92.05003	CD	< 1.		UG/L	6/26/92	
53-NW-EBK-W	92.05003	CR	1.6	1.	UG/L	6/26/92	
53-NW-EBK-W	92.05003	PB	2.4	1.	UG/L	6/26/92	
53-NW-EBK-W	92.05003	SE	< 1.		UG/L	6/26/92	
53-NE-Y-W	92.05004	AG	< 1.		UG/L	6/26/92	
53-NE-Y-W	92.05004	AS	4.6	1.	UG/L	6/26/92	
53-NE-Y-W	92.05004	BA	28.3	3.	UG/L	6/26/92	
53-NE-Y-W	92.05004	CD	2.8	1.	UG/L	6/26/92	
53-NE-Y-W	92.05004	CR	2.9	1.	UG/L	6/26/92	
53-NE-Y-W	92.05004	PB	< 1.		UG/L	6/26/92	
53-NE-Y-W	92.05004	SE	1.3	1.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	AG	< 1.		UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	AS	4.8	1.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	BA	28.5	3.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	CD	2.5	1.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	CR	2.4	1.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	PB	< 1.		UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	SE	< 1.		UG/L	6/26/92	
53-NE-EBK-W	92.05006	AG	< 1.		UG/L	6/26/92	
53-NE-EBK-W	92.05006	AS	2.1	1.	UG/L	6/26/92	

53-NE-EBK-W	92.05006	BA	1.8	1.	UG/L	6/26/92
53-NE-EBK-W	92.05006	CD	< 1.		UG/L	6/26/92
53-NE-EBK-W	92.05006	CR	1.8	1.	UG/L	6/26/92
53-NE-EBK-W	92.05006	PB	5.2	1.	UG/L	6/26/92
53-NE-EBK-W	92.05006	SE	< 1.		UG/L	6/26/92

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NE-Y-W-QA	92.05005	AG	< 1.		UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	AS	4.4	1.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	BA	34.4	3.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	CD	2.2	1.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	CR	2.3	1.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	PB	< 1.		UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	SE	< 1.		UG/L	6/26/92	

MATRIX SPIKES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
53-NE-Y-W-QA	92.05005	AG	100.	86.9	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	AS	100.	121.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	BA	100.	105.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	CD	100.	95.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	CR	100.	89.6	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	PB	100.	118.	UG/L	6/26/92	
53-NE-Y-W-QA	92.05005	SE	100.	113.	UG/L	6/26/92	

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REPORT NUMBER: 14394 (continued)

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12770 MATRIX: W ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

NOTEBOOK: PAGE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.22907	AG	106.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AG	98.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AS	112.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AS	125.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	BA	98.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	BA	112.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CD	102.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CD	106.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CR	96.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CR	104.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	PB	107.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	PB	90.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	SE	123.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	SE	112.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.05879	AS	19.2	2.	UG/L	20.	0.9	6/26/92	UNDER CONTROL
92.05879	BA	39.4	4.	UG/L	40.	1.7	6/26/92	UNDER CONTROL
92.05879	CD	28.1	3.	UG/L	30.	1.3	6/26/92	UNDER CONTROL
92.05879	CR	10.6	10.	UG/L	10.	0.4	6/26/92	UNDER CONTROL
92.05879	PB	< 1.		UG/L	0.0		6/26/92	UNDER CONTROL
92.05880	AG	5.	1.	UG/L	5.	0.2	6/26/92	UNDER CONTROL
92.05881	SE	47.3	5.	UG/L	60.	2.6	6/26/92	WARNING 2-3 SIG

REPORT NUMBER: 14394				
	Analyst	Reviewer	Section Leader	QA Officer
	6/30/92	7-1-92	7/1/92	7-1-92
	Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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REPORT NUMBER: 14397 (continued)

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12776 MATRIX: C ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

NOTEBOOK: PAGE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.22907	AG	106.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AG	106.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AG	93.5	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AG	104.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AS	106.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AS	92.1	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AS	100.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	AS	104.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	BA	96.6	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	BA	102.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CD	108.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CD	104.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CD	105.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CD	104.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CD	86.6	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CD	88.5	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CR	99.3	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CR	118.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CR	88.6	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	CR	111.	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	PB	77.2	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	PB	54.9	10.	UG/L	100.	10.	6/30/92	OUT OF CONTROL
00.22907	PB	88.3	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	PB	71.7	10.	UG/L	100.	10.	6/30/92	WARNING 2-3 SIG
00.22907	SE	95.2	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	SE	96.1	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	SE	92.4	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL
00.22907	SE	85.5	10.	UG/L	100.	10.	6/30/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.05739	AS	36.2	4.	UG/L	40.	1.7	6/29/92	UNDER CONTROL
92.05739	BA	17.6	2.	UG/L	20.	0.9	6/29/92	UNDER CONTROL
92.05739	CD	0.55	0.55	UG/L	0.0		6/29/92	UNDER CONTROL
92.05739	CR	10.6	1.	UG/L	8.	0.3	6/29/92	WARNING 2-3 SIG
92.05739	PB	7.2	1.	UG/L	12.	0.5	6/29/92	OUT OF CONTROL
92.05740	AS	5.5	1.	UG/L	6.	0.3	6/29/92	UNDER CONTROL
92.05740	BA	33.6	3.	UG/L	36.	1.5	6/29/92	UNDER CONTROL
92.05740	CD	41.9	4.	UG/L	44.	1.9	6/29/92	UNDER CONTROL
92.05740	CR	30.5	3.	UG/L	30.	1.3	6/29/92	UNDER CONTROL
92.05740	PB	6.2	1.	UG/L	8.	0.3	6/29/92	UNDER CONTROL
92.05741	AG	19.7	2.	UG/L	20.	0.9	6/29/92	UNDER CONTROL
92.05743	SE	72.7	7.	UG/L	98.	4.	6/29/92	OUT OF CONTROL
92.05744	SE	40.2	4.	UG/L	50.	2.	6/29/92	WARNING 2-3 SIG

REPORT NUMBER: 14397

Analyst	Reviewer	Section Leader	QA Officer
6/30/92	7-1-92		7-1-92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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REPORT NUMBER: 14398

********** EM-9 ANALYTICAL REPORT **********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12782 MATRIX: C ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: ICPMS ANALYTICAL PROCEDURE: EPA6020 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-S	92.05120	AG	< 1.7		UG/G	6/26/92	
53-SC-G1-S	92.05120	AS	1.7	1.	UG/G	6/26/92	
53-SC-G1-S	92.05120	BA	9.1	1.	UG/G	6/26/92	
53-SC-G1-S	92.05120	CD	< 1.7		UG/G	6/26/92	
53-SC-G1-S	92.05120	CR	2.6	1.	UG/G	6/26/92	
53-SC-G1-S	92.05120	PB	1.7	1.	UG/G	6/26/92	
53-SC-G1-S	92.05120	SE	< 1.7		UG/G	6/26/92	
53-SC-H1-S-Q	92.05121	AG	< 1.4		UG/G	6/26/92	
53-SC-H1-S-Q	92.05121	AS	< 1.4		UG/G	6/26/92	
53-SC-H1-S-Q	92.05121	BA	6.4	1.	UG/G	6/26/92	
53-SC-H1-S-Q	92.05121	CD	< 1.4		UG/G	6/26/92	
53-SC-H1-S-Q	92.05121	CR	2.1	1.	UG/G	6/26/92	
53-SC-H1-S-Q	92.05121	PB	1.4	1.	UG/G	6/26/92	
53-SC-H1-S-Q	92.05121	SE	2.4	1.	UG/G	6/26/92	
53-SC-H1-S	92.05122	AG	< 1.6		UG/G	6/26/92	
53-SC-H1-S	92.05122	AS	< 1.6		UG/G	6/26/92	
53-SC-H1-S	92.05122	BA	6.8	1.	UG/G	6/26/92	
53-SC-H1-S	92.05122	CD	< 1.6		UG/G	6/26/92	
53-SC-H1-S	92.05122	CR	2.3	1.	UG/G	6/26/92	
53-SC-H1-S	92.05122	PB	< 1.6		UG/G	6/26/92	
53-SC-H1-S	92.05122	SE	1.6	1.	UG/G	6/26/92	
53-SC-I1-S	92.05123	AG	< 1.7		UG/G	6/26/92	
53-SC-I1-S	92.05123	AS	< 1.7		UG/G	6/26/92	
53-SC-I1-S	92.05123	BA	4.	1.	UG/G	6/26/92	
53-SC-I1-S	92.05123	CD	< 1.7		UG/G	6/26/92	
53-SC-I1-S	92.05123	CR	2.2	1.	UG/G	6/26/92	
53-SC-I1-S	92.05123	PB	< 1.7		UG/G	6/26/92	
53-SC-I1-S	92.05123	SE	< 1.7		UG/G	6/26/92	
53-SC-J1-S	92.05124	AG	< 1.4		UG/G	6/26/92	
53-SC-J1-S	92.05124	AS	< 1.4		UG/G	6/26/92	
53-SC-J1-S	92.05124	BA	4.4	1.	UG/G	6/26/92	
53-SC-J1-S	92.05124	CD	< 1.4		UG/G	6/26/92	
53-SC-J1-S	92.05124	CR	2.	1.	UG/G	6/26/92	
53-SC-J1-S	92.05124	PB	1.5	1.	UG/G	6/26/92	
53-SC-J1-S	92.05124	SE	< 1.4		UG/G	6/26/92	
53-SC-K1-S	92.05125	AG	< 1.7		UG/G	6/26/92	
53-SC-K1-S	92.05125	AS	1.8	1.	UG/G	6/26/92	

53-SC-K1-S	92.05125 BA	9.9	1.	UG/G	6/26/92
53-SC-K1-S	92.05125 CD	< 1.7		UG/G	6/26/92
53-SC-K1-S	92.05125 CR	3.4	1.	UG/G	6/26/92
53-SC-K1-S	92.05125 PB	2.9	1.	UG/G	6/26/92
53-SC-K1-S	92.05125 SE	< 1.7		UG/G	6/26/92
53-SC-L1-S	92.05126 AG	< 2.		UG/G	6/26/92
53-SC-L1-S	92.05126 AS	< 2.		UG/G	6/26/92
53-SC-L1-S	92.05126 BA	3.5	1.	UG/G	6/26/92
53-SC-L1-S	92.05126 CD	< 2.		UG/G	6/26/92
53-SC-L1-S	92.05126 CR	2.6	1.	UG/G	6/26/92
53-SC-L1-S	92.05126 PB	< 2.		UG/G	6/26/92
53-SC-L1-S	92.05126 SE	< 2.		UG/G	6/26/92
53-SC-M1-S	92.05127 AG	< 1.6		UG/G	6/26/92
53-SC-M1-S	92.05127 AS	< 1.6		UG/G	6/26/92
53-SC-M1-S	92.05127 BA	4.3	1.	UG/G	6/26/92
53-SC-M1-S	92.05127 CD	< 1.6		UG/G	6/26/92
53-SC-M1-S	92.05127 CR	2.	1.	UG/G	6/26/92
53-SC-M1-S	92.05127 PB	< 1.6		UG/G	6/26/92
53-SC-M1-S	92.05127 SE	< 1.6		UG/G	6/26/92
53-SC-N1-S	92.05128 AG	< 1.7		UG/G	6/26/92
53-SC-N1-S	92.05128 BA	4.1	1.	UG/G	6/26/92
53-SC-N1-S	92.05128 CD	< 1.7		UG/G	6/26/92
53-SC-N1-S	92.05128 CR	< 1.7		UG/G	6/26/92
53-SC-N1-S	92.05128 PB	< 1.7		UG/G	6/26/92
53-SC-N1-S	92.05128 SE	4.5	1.	UG/G	6/26/92
53-SC-O1-S	92.05129 AG	< 1.8		UG/G	6/26/92
53-SC-O1-S	92.05129 AS	1.8	1.	UG/G	6/26/92
53-SC-O1-S	92.05129 BA	4.4	1.	UG/G	6/26/92
53-SC-O1-S	92.05129 CD	< 1.8		UG/G	6/26/92
53-SC-O1-S	92.05129 CR	2.4	1.	UG/G	6/26/92
53-SC-O1-S	92.05129 PB	< 1.8		UG/G	6/26/92
53-SC-O1-S	92.05129 SE	2.2	1.	UG/G	6/26/92
53-SC-P1-S	92.05130 AG	< 1.9		UG/G	6/26/92
53-SC-P1-S	92.05130 AS	< 1.9		UG/G	6/26/92
53-SC-P1-S	92.05130 BA	5.8	1.	UG/G	6/26/92
53-SC-P1-S	92.05130 CD	< 1.9		UG/G	6/26/92
53-SC-P1-S	92.05130 CR	2.7	1.	UG/G	6/26/92
53-SC-P1-S	92.05130 PB	< 1.9		UG/G	6/26/92
53-SC-P1-S	92.05130 SE	4.9	1.	UG/G	6/26/92
53-SC-Q1-S	92.05131 AG	< 1.6		UG/G	6/26/92
53-SC-Q1-S	92.05131 AS	< 1.6		UG/G	6/26/92
53-SC-Q1-S	92.05131 BA	4.4	1.	UG/G	6/26/92
53-SC-Q1-S	92.05131 CD	< 1.6		UG/G	6/26/92
53-SC-Q1-S	92.05131 CR	2.3	1.	UG/G	6/26/92
53-SC-Q1-S	92.05131 PB	< 1.6		UG/G	6/26/92
53-SC-Q1-S	92.05131 SE	1.7	1.	UG/G	6/26/92
53-SC-R1-S	92.05132 AG	< 1.7		UG/G	6/26/92
53-SC-R1-S	92.05132 AS	< 1.7		UG/G	6/26/92
53-SC-R1-S	92.05132 BA	5.7	1.	UG/G	6/26/92
53-SC-R1-S	92.05132 CD	< 1.7		UG/G	6/26/92
53-SC-R1-S	92.05132 CR	2.2	1.	UG/G	6/26/92
53-SC-R1-S	92.05132 PB	< 1.7		UG/G	6/26/92
53-SC-R1-S	92.05132 SE	3.3	1.	UG/G	6/26/92
53-SC-S1-S	92.05133 AG	< 1.3		UG/G	6/26/92
53-SC-S1-S	92.05133 AS	1.5	1.	UG/G	6/26/92
53-SC-S1-S	92.05133 BA	6.5	1.	UG/G	6/26/92
53-SC-S1-S	92.05133 CD	< 1.3		UG/G	6/26/92
53-SC-S1-S	92.05133 CR	2.3	1.	UG/G	6/26/92
53-SC-S1-S	92.05133 PB	1.5		UG/G	6/26/92
53-SC-S1-S	92.05133 SE	2.1	1.	UG/G	6/26/92

53-SC-T1-S	92.05134	AG	< 1.8		UG/G	6/26/92	
53-SC-T1-S	92.05134	AS	< 1.8		UG/G	6/26/92	
53-SC-T1-S	92.05134	BA	4.5	1.	UG/G	6/26/92	
53-SC-T1-S	92.05134	CD	< 1.8		UG/G	6/26/92	
53-SC-T1-S	92.05134	CR	2.3	1.	UG/G	6/26/92	
53-SC-T1-S	92.05134	PB	< 1.8		UG/G	6/26/92	
53-SC-T1-S	92.05134	SE	< 1.8		UG/G	6/26/92	
53-SC-U1-S	92.05135	AG	< 1.9		UG/G	6/26/92	
53-SC-U1-S	92.05135	AS	2.	1.	UG/G	6/26/92	
53-SC-U1-S	92.05135	BA	4.8	1.	UG/G	6/26/92	
53-SC-U1-S	92.05135	CD	< 1.9		UG/G	6/26/92	
53-SC-U1-S	92.05135	CR	2.4	1.	UG/G	6/26/92	
53-SC-U1-S	92.05135	PB	< 1.9		UG/G	6/26/92	
53-SC-U1-S	92.05135	SE	1.9	1.	UG/G	6/26/92	
53-SC-CBS-S	92.05136	AG	< 1.7		UG/G	6/26/92	
53-SC-CBS-S	92.05136	AS	< 1.7		UG/G	6/26/92	
53-SC-CBS-S	92.05136	BA	4.	1.	UG/G	6/26/92	
53-SC-CBS-S	92.05136	CD	< 1.7		UG/G	6/26/92	
53-SC-CBS-S	92.05136	CR	2.6	1.	UG/G	6/26/92	
53-SC-CBS-S	92.05136	PB	1.8	1.	UG/G	6/26/92	
53-SC-CBS-S	92.05136	SE	< 1.7		UG/G	6/26/92	

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-S	92.05120	AG	< 1.6		UG/G	6/26/92	
53-SC-G1-S	92.05120	AS	1.7	1.	UG/G	6/26/92	
53-SC-G1-S	92.05120	BA	9.3	1.	UG/G	6/26/92	
53-SC-G1-S	92.05120	CD	< 1.6		UG/G	6/26/92	
53-SC-G1-S	92.05120	CR	2.6	1.	UG/G	6/26/92	
53-SC-G1-S	92.05120	PB	1.8	1.	UG/G	6/26/92	
53-SC-G1-S	92.05120	SE	< 1.6		UG/G	6/26/92	
53-SC-P1-S	92.05130	AG	< 1.6		UG/G	6/26/92	
53-SC-P1-S	92.05130	AS	< 1.6		UG/G	6/26/92	
53-SC-P1-S	92.05130	BA	5.7	1.	UG/G	6/26/92	
53-SC-P1-S	92.05130	CD	< 1.6		UG/G	6/26/92	
53-SC-P1-S	92.05130	CR	2.3	1.	UG/G	6/26/92	
53-SC-P1-S	92.05130	PB	< 1.6		UG/G	6/26/92	
53-SC-P1-S	92.05130	SE	< 1.6		UG/G	6/26/92	

MATRIX SPIKES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-S	92.05120	AG	8.33	8.7	UG/G	6/26/92	
53-SC-G1-S	92.05120	AS	8.33	7.96	UG/G	6/26/92	
53-SC-G1-S	92.05120	BA	8.33	7.65	UG/G	6/26/92	
53-SC-G1-S	92.05120	CD	8.33	8.6	UG/G	6/26/92	
53-SC-G1-S	92.05120	CR	8.33	8.77	UG/G	6/26/92	
53-SC-G1-S	92.05120	PB	8.33	6.81	UG/G	6/26/92	
53-SC-G1-S	92.05120	SE	8.33	6.86	UG/G	6/26/92	
53-SC-P1-S	92.05130	AG	9.5	9.8	UG/G	6/26/92	
53-SC-P1-S	92.05130	AS	9.5	11.1	UG/G	6/26/92	
53-SC-P1-S	92.05130	BA	9.5	9.	UG/G	6/26/92	
53-SC-P1-S	92.05130	CD	9.5	9.8	UG/G	6/26/92	

53-SC-P1-S	92.05130 CR	9.5	10.4	UG/G	6/26/92
53-SC-P1-S	92.05130 PB	9.5	10.1	UG/G	6/26/92
53-SC-P1-S	92.05130 SE	9.5	9.78	UG/G	6/26/92

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REPORT NUMBER: 14398 (continued)

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12782 MATRIX: C ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

NOTEBOOK: PAGE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.22907	AG	104.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AG	103.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AG	103.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AS	105.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AS	104.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AS	104.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	BA	99.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	BA	98.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	BA	99.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CD	103.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CD	103.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CD	101.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CR	110.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CR	108.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CR	105.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	PB	89.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	PB	86.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	PB	86.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	SE	110.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	SE	109.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	SE	107.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.05766	AS	39.7	4.	UG/L	45.	1.9	6/26/92	UNDER CONTROL
92.05766	BA	8.3	1.	UG/L	8.	0.3	6/26/92	UNDER CONTROL
92.05766	CD	14.6	2.	UG/L	16.	0.7	6/26/92	UNDER CONTROL

92.05766 CR	45.6	5.	UG/L	42.	1.8	6/26/92	UNDER CONTROL
92.05766 PB	7.9	1.	UG/L	8.	0.3	6/26/92	UNDER CONTROL
92.05767 AS	26.3	3.	UG/L	7.	0.3	6/26/92	OUT OF CONTROL
92.05767 BA	21.1	2.	UG/L	20.	0.9	6/26/92	UNDER CONTROL
92.05767 CD	5.6	1.	UG/L	6.	0.3	6/26/92	UNDER CONTROL
92.05767 CR	22.5	2.	UG/L	20.	0.9	6/26/92	UNDER CONTROL
92.05767 PB	16.8	2.	UG/L	18.	0.8	6/26/92	UNDER CONTROL
92.05768 AG	8.3	1.	UG/L	8.	0.3	6/26/92	UNDER CONTROL
92.05769 AG	48.7	5.	UG/L	48.	2.1	6/26/92	UNDER CONTROL
92.05770 SE	55.4	6.	UG/L	75.	3.	6/26/92	WARNING 2-3 SIG
92.05771 SE	71.6	7.	UG/L	98.	4.	6/26/92	OUT OF CONTROL

REPORT NUMBER: 14398

Analyst	Reviewer	Section Leader	QA Officer
6/30/92	7-1-92	7/1/92	7-1-92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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REPORT NUMBER: 14184 TA-53 Total Hg

********** EM-9 ANALYTICAL REPORT **********

Prepared by: MGBELL on 8-Jun-1992

ANALYSIS: HG REQUEST NUMBER: 12782 MATRIX: C ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE: 245.2 NOTEBOOK: Y04110 PAGE: 112

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS (ppb)	COMPLETION DATE	COMMENT
53-SC-G1-S	92.05120	19.	10.	NG/G	6/08/92	
53-SC-H1-S-Q	92.05121	16.	10.	NG/G	6/08/92	
53-SC-H1-S	92.05122	17.	10.	NG/G	6/08/92	
53-SC-I1-S	92.05123	13.	10.	NG/G	6/08/92	
53-SC-J1-S	92.05124	15.	10.	NG/G	6/08/92	
53-SC-K1-S	92.05125	24.	10.	NG/G	6/08/92	
53-SC-L1-S	92.05126	18.	10.	NG/G	6/08/92	
53-SC-M1-S	92.05127	13.	10.	NG/G	6/08/92	
53-SC-N1-S	92.05128	14.	10.	NG/G	6/08/92	
53-SC-O1-S	92.05129	17.	10.	NG/G	6/08/92	
53-SC-P1-S	92.05130	19.	10.	NG/G	6/08/92	
53-SC-Q1-S	92.05131	16.	10.	NG/G	6/08/92	
53-SC-R1-S	92.05132	18.	10.	NG/G	6/08/92	
53-SC-S1-S	92.05133	21.	10.	NG/G	6/08/92	
53-SC-T1-S	92.05134	19.	10.	NG/G	6/08/92	
53-SC-U1-S	92.05135	22.	10.	NG/G	6/08/92	
53-SC-CBS-S	92.05136	52.	10.	NG/G	6/08/92	

< 20 ppm A.L.
TR
MJ.
6/9/92

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-S	92.05120	17.	10.	NG/G	6/08/92	
53-SC-P1-S	92.05130	18.	10.	NG/G	6/08/92	

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER SAMPLE MATRIX SPIKES :-

CUSTOMER NUMBER	SAMPLE NUMBER	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-S	92.05120	2.	2.	UG/L	6/08/92	
53-SC-P1-S	92.05130	2.	2.	UG/L	6/08/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MGBELL on 8-Jun-1992

REQUEST NUMBER: 12782 MATRIX: C ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.23653	4.2	0.4	UG/L	4.	0.2	6/08/92	UNDER CONTROL
00.23653	4.2	0.4	UG/L	4.	0.2	6/08/92	UNDER CONTROL
00.24494	7.1	0.7	UG/L	7.	0.41	6/08/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.05198	3.1	0.3	UG/L	3.	0.18	6/08/92	UNDER CONTROL
92.05199	< 0.1		UG/L	0.0		6/08/92	UNDER CONTROL

REPORT NUMBER: 14184

Analyst	Reviewer	Section Leader	QA Officer
MS	CMH	W. P.	mag
6/8/92 Date	6-8-92 Date	6/8/92 Date	6/8/92 Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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REPORT NUMBER: 14395

********** EM-9 ANALYTICAL REPORT **********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12786 MATRIX: W ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: ICPMS ANALYTICAL PROCEDURE: EPA6020 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-W	92.05154	AG	< 1.		UG/L	6/26/92	
53-SC-G1-W	92.05154	AS	9.6	1.	UG/L	6/26/92	
53-SC-G1-W	92.05154	BA	45.7	4.8	UG/L	6/26/92	
53-SC-G1-W	92.05154	CD	< 1.		UG/L	6/26/92	
53-SC-G1-W	92.05154	CR	1.8	1.	UG/L	6/26/92	
53-SC-G1-W	92.05154	PB	< 1.		UG/L	6/26/92	
53-SC-G1-W	92.05154	SE	< 1.		UG/L	6/26/92	
53-SC-G1-W-Q	92.05155	AG	< 1.		UG/L	6/26/92	
53-SC-G1-W-Q	92.05155	AS	9.4	1.	UG/L	6/26/92	
53-SC-G1-W-Q	92.05155	BA	40.9	4.	UG/L	6/26/92	
53-SC-G1-W-Q	92.05155	CD	< 1.		UG/L	6/26/92	
53-SC-G1-W-Q	92.05155	CR	1.2	1.	UG/L	6/26/92	
53-SC-G1-W-Q	92.05155	PB	1.	1.	UG/L	6/26/92	
53-SC-G1-W-Q	92.05155	SE	< 1.		UG/L	6/26/92	
53-SC-EBK-W	92.05156	AG	< 1.		UG/L	6/26/92	
53-SC-EBK-W	92.05156	AS	1.7	1.	UG/L	6/26/92	
53-SC-EBK-W	92.05156	BA	1.3	1.	UG/L	6/26/92	
53-SC-EBK-W	92.05156	CD	< 1.		UG/L	6/26/92	
53-SC-EBK-W	92.05156	CR	< 1.		UG/L	6/26/92	
53-SC-EBK-W	92.05156	PB	8.2	1.	UG/L	6/26/92	
53-SC-EBK-W	92.05156	SE	< 1.		UG/L	6/26/92	

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-W	92.05154	AG	< 1.		UG/L	6/26/92	
53-SC-G1-W	92.05154	AS	9.2	1.	UG/L	6/26/92	
53-SC-G1-W	92.05154	BA	41.	4.1	UG/L	6/26/92	
53-SC-G1-W	92.05154	CD	< 1.		UG/L	6/26/92	
53-SC-G1-W	92.05154	CR	1.6	1.	UG/L	6/26/92	
53-SC-G1-W	92.05154	PB	< 1.		UG/L	6/26/92	
53-SC-G1-W	92.05154	SE	< 1.		UG/L	6/26/92	

MATRIX SPIKES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-W	92.05154	AG	100.	81.4	UG/L	6/26/92	
53-SC-G1-W	92.05154	AS	100.	119.	UG/L	6/26/92	
53-SC-G1-W	92.05154	BA	100.	92.	UG/L	6/26/92	
53-SC-G1-W	92.05154	CD	100.	96.3	UG/L	6/26/92	
53-SC-G1-W	92.05154	CR	100.	96.8	UG/L	6/26/92	
53-SC-G1-W	92.05154	PB	100.	107.	UG/L	6/26/92	
53-SC-G1-W	92.05154	SE	100.	114.	UG/L	6/26/92	

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REPORT NUMBER: 14395 (continued)

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MWK on 30-Jun-1992

REQUEST NUMBER: 12786 MATRIX: W ANALYST: MARTIN KOBY PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

NOTEBOOK: PAGE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.22907	AG	98.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AG	106.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AS	125.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	AS	112.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	BA	112.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	BA	98.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CD	102.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CD	106.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CR	104.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	CR	96.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	PB	107.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	PB	90.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	SE	112.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL
00.22907	SE	123.	10.	UG/L	100.	10.	6/26/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.05882	AS	45.4	4.5	UG/L	45.	1.9	6/26/92	UNDER CONTROL
92.05882	BA	9.2	1.	UG/L	8.	0.3	6/26/92	UNDER CONTROL
92.05882	CD	14.4	1.4	UG/L	16.	0.7	6/26/92	UNDER CONTROL
92.05882	CR	41.9	4.2	UG/L	42.	1.8	6/26/92	UNDER CONTROL
92.05882	PB	9.1	1.	UG/L	8.	0.3	6/26/92	UNDER CONTROL
92.05883	AG	38.4	3.8	UG/L	40.	1.7	6/26/92	UNDER CONTROL
92.05884	SE	42.8	4.3	UG/L	60.	2.6	6/26/92	OUT OF CONTROL

REPORT NUMBER: 14395				
	NWKoby	CMSB	CTa	mag
	Analyst	Reviewer	Section Leader	QA Officer
	6/30/92	7-1-92	7/1/92	7-1-92
	Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

Prepared by: MGBELL on 10-Jun-1992

ANALYSIS: HG REQUEST NUMBER: 12786 MATRIX: W ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE: 245.2 NOTEBOOK: Y04110 PAGE: 121

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-W	92.05154	< 0.1		UG/L	6/10/92	
53-SC-G1-W-Q	92.05155	< 0.1		UG/L	6/10/92	
53-SC-EBK-W	92.05156	< 0.1		UG/L	6/10/92	

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-W	92.05154	< 0.1		UG/L	6/10/92	

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER SAMPLE MATRIX SPIKES :

CUSTOMER NUMBER	SAMPLE NUMBER	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-W	92.05154	2.	2.1	UG/L	6/10/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: MGBELL on 10-Jun-1992

REQUEST NUMBER: 12786 MATRIX: W ANALYST: MICHAEL BELL PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.24494	7.4	0.7	UG/L	7.	0.41	6/10/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.05380	1.	0.1	UG/L	1.	0.06	6/10/92	UNDER CONTROL

REPORT NUMBER: 14222	Analyst	Reviewer	Section Leader	QA Officer
	MS	MGB	H.P.	mag
	6/10/92	6/10/92	6/10/92	6/10/92
	Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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Amended : See Remarks

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HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12769

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I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0015

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MB: K490 Date: 16-Apr-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

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III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 18 + 5 TCS

Matrix	Initial SN		Final SN	# Received
C	92.04867	to	92.04883	17
C	92.04951	to	92.04956	6
C	92.04957	to	92.04958	2
C	92.04959	to	92.04960	2
C	92.04961	to	92.04961	1
C	92.05219	to	92.05219	1
W	92.04963	to	92.04963	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12769	92.04867	53-NW-A-S	4/13/92
12769	92.04868	53-NW-B-S	4/13/92
12769	92.04869	53-NW-C-S	4/13/92
12769	92.04870	53-NW-D-S	4/13/92
12769	92.04871	53-NW-E-S	4/13/92
12769	92.04872	53-NW-F-S	4/13/92
12769	92.04873	53-NW-G-S	4/13/92
12769	92.04874	53-NW-H-S	4/13/92
12769	92.04875	53-NW-I-S	4/13/92
12769	92.04876	53-NW-J-S	4/13/92
12769	92.04877	53-NW-K-S	4/13/92
12769	92.04878	53-NW-L-S	4/13/92
12769	92.04879	53-NW-N-S	4/13/92
12769	92.04880	53-NW-M-S	4/13/92
12769	92.04881	53-NW-N-S-QA	4/13/92
12769	92.04882	53-NW-O-S	4/13/92
12769	92.04883	53-NW-O-S-QA	4/13/92
12769	92.04951	00.24848	4/14/92
12769	92.04952	00.24847	4/14/92
12769	92.04953	00.20227	4/14/92
12769	92.04954	00.20227	4/14/92
12769	92.04955	00.20227	4/14/92
12769	92.04956	00.20227	4/14/92
12769	92.04957	00.24844	4/13/92
12769	92.04958	00.24845	4/13/92
12769	92.04959	00.20227	4/14/92
12769	92.04960	00.20227	4/14/92
12769	92.04961	00.24267	1/08/92
12769	92.04963	53-NW-TP BLK	4/13/92
12769	92.05219	53-NW-CBS-S	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12769

****

Program code: W21D Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04867	to	92.04883
C	92.04951	to	92.04956
C	92.04957	to	92.04958
C	92.04959	to	92.04960
C	92.04961	to	92.04961
C	92.05219	to	92.05219
W	92.04963	to	92.04963

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	5/13/92
O	VOLATILES	PTGC	SCB	5/13/92
O	1336363	GCEC	WMB	5/13/92

REMARKS:

TA-53 LAMPF LAGOONS -- MW

CAUTION: SAMPLES ARE A BIOHAZARD!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04867 TO 92.04883 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363
92.04963 = VOLATILES ONLY!!!!!!
CS:
92.04951, 92.04952 = VOLATILES
92.04953 TO 92.04956 = VOLATILES METHOD BLK
92.04957, 92.04958 = SEMI-VOLATILES
92.04959, 92.04960 = SEMI-VOLATILES METHOD BLK
92.04961 = 1336363

SN #92.05219 = ALL ANALYSIS WAS ADDED TO REQUEST ON 04/15/92
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES

Superceded by Amended agreement with 4/15/92 Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12769

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0015

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freequez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: 0490 Date: 14-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 14-Apr-1992 Total No. received: 18 + 5QCS

Matrix	Initial SN		Final SN	# Received
C	92.04867	to	92.04883	17
C	92.04951	to	92.04956	6
C	92.04957	to	92.04958	2
C	92.04959	to	92.04960	2
C	92.04961	to	92.04961	1
W	92.04963	to	92.04963	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

Budget,

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12769	92.04867	53-NW-A-S	4/13/92
12769	92.04868	53-NW-B-S	4/13/92
12769	92.04869	53-NW-C-S	4/13/92
12769	92.04870	53-NW-D-S	4/13/92
12769	92.04871	53-NW-E-S	4/13/92
12769	92.04872	53-NW-F-S	4/13/92
12769	92.04873	53-NW-G-S	4/13/92
12769	92.04874	53-NW-H-S	4/13/92
12769	92.04875	53-NW-I-S	4/13/92
12769	92.04876	53-NW-J-S	4/13/92
12769	92.04877	53-NW-K-S	4/13/92
12769	92.04878	53-NW-L-S	4/13/92
12769	92.04879	53-NW-N-S	4/13/92
12769	92.04880	53-NW-M-S	4/13/92
12769	92.04881	53-NW-N-S-QA	4/13/92
12769	92.04882	53-NW-O-S	4/13/92
12769	92.04883	53-NW-O-S-QA	4/13/92
12769	92.04951	00.24848	4/14/92
12769	92.04952	00.24847	4/14/92
12769	92.04953	00.20227	4/14/92
12769	92.04954	00.20227	4/14/92
12769	92.04955	00.20227	4/14/92
12769	92.04956	00.20227	4/14/92
12769	92.04957	00.24844	4/13/92
12769	92.04958	00.24845	4/13/92
12769	92.04959	00.20227	4/14/92
12769	92.04960	00.20227	4/14/92
12769	92.04961	00.24267	1/08/92
12769	92.04963	53-NW-TP BLK	4/13/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12769

****

Program code: W21D Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04867	to	92.04883
C	92.04951	to	92.04956
C	92.04957	to	92.04958
C	92.04959	to	92.04960
C	92.04961	to	92.04961
W	92.04963	to	92.04963

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	5/13/92
O	VOLATILES	PTGC	SCB	5/13/92
O	1336363	GCEC	WWB	5/13/92

REMARKS:

TA-53 LAMPF LAGOONS -- NW

CAUTION: SAMPLES ARE A BIOHAZARD!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04867 TO 92.04883 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363
92.04963 = VOLATILES ONLY!!!!!!!
QCS:
92.04951, 92.04952 = VOLATILES
92.04953 TO 92.04956 = VOLATILES METHOD BLK
92.04957, 92.04958 = SEMI-VOLATILES
92.04959, 92.04960 = SEMI-VOLATILES METHOD BLK
92.04961 = 1336363

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12772

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0001

Request date: 13-Apr-1992 Completion date: 27-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: HCL Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freeques HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 [redacted] Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 91 3,0,0,5

Matrix	Initial SN		Final SN	# Received
W	92.04885	to	92.04886	2
W	92.04887	to	92.04888	2
W	92.05003	to	92.05006	4
W	92.05007	to	92.05007	1
W	92.05357	to	92.05359	3
W	92.05360	to	92.05361	2
W	92.05362	to	92.05362	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12772	92.04885	53-NW-O-W	4/13/92
12772	92.04886	53-NW-O-W-QA	4/13/92
12772	92.04887	53-NW-FDBLK	4/13/92
12772	92.04888	53-NW-FDBLK	4/13/92
12772	92.05003	53-NW-EBK-W	4/13/92
12772	92.05004	53-NE-Y-W	4/14/92
12772	92.05005	53-NE-Y-W-QA	4/14/92
12772	92.05006	53-NE-EBK-W	4/14/92
12772	92.05007	53-NE-FDBLK	4/14/92
12772	92.05357	00.24885	4/15/92
12772	92.05358	00.20226	4/16/92
12772	92.05359	00.20226	4/16/92
12772	92.05360	00.24877	4/14/92
12772	92.05361	00.20226	4/16/92
12772	92.05362	00.24893	4/15/92

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12772

Program code: W21M

Task ID number:

Request date: 13-Apr-1992

Customer initials: PRF

Customer phone: 7-0815

MS: K490

MATRIX	Initial		Final
W	92.04885	to	92.04886
W	92.04887	to	92.04888
W	92.05003	to	92.05006
W	92.05007	to	92.05007
W	92.05357	to	92.05359
W	92.05360	to	92.05361
W	92.05362	to	92.05362

Section	Analysis	Technique	Analyst	Due-date
0	SEMIVOL	GCMS	AJL	4/27/92
0	VOLATILES	PTGC	SCB	4/27/92
0	1336363	GCEC	WWB	4/27/92

REMARKS:

TA-53 LAGOONS -- WATER
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS ARE BELOW BACKGROUND

92.04885, 92.04886, 92.05003 TO 92.05006 = ALL ANALYSIS
SET A AND B = VOLATILES (92.05003 A ONLY!)
SET C = SEMI-VOLATILES, 1336363

92.04887, 92.04888, 92.05007 = VOLATILES ONLY!!!!

QCS:

92.05357 = VOLATILES
92.05358, 92.05359 = VOLATILES METHOD BLK
92.05360 = SEMI-VOLATILES
92.05361 = SEMI-VOLATILES METHOD BLK
92.05362 = 1336363

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12777

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0018

Request date: 14-Apr-1992 Completion date: 14-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freequez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 Date: 15-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 15-Apr-1992 Total No. received: 19 + 5 QC's

Matrix	Initial SN		Final SN	# Received
C	92.04983	to	92.04999	17
C	92.05107	to	92.05112	6
C	92.05113	to	92.05116	4
C	92.05117	to	92.05117	1
W	92.05001	to	92.05002	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12777	92.04983	53-NE-A1-S	4/14/92
12777	92.04984	53-NE-B1-S	4/14/92
12777	92.04985	53-NE-C1-S	4/14/92
12777	92.04986	53-NE-D1-S	4/14/92
12777	92.04987	53-NE-E1-S	4/14/92
12777	92.04988	53-NE-Q1-S	4/14/92
12777	92.04989	53-NE-Q-S-QA	4/14/92
12777	92.04990	53-NE-R-S	4/14/92
12777	92.04991	53-NE-S-S	4/14/92
12777	92.04992	53-NE-T-S	4/14/92
12777	92.04993	53-NE-U-S	4/14/92
12777	92.04994	53-NE-V-S	4/14/92
12777	92.04995	53-NE-W-S	4/14/92
12777	92.04996	53-NE-W-S-QA	4/14/92
12777	92.04997	53-NE-X-S	4/14/92
12777	92.04998	53-NE-Y-S	4/14/92
12777	92.04999	53-NE-Z-S	4/14/92
12777	92.05001	53-NE-TBLK	4/14/92
12777	92.05002	53-NE-FBLK	4/14/92
12777	92.05107	00.24884	4/15/92
12777	92.05108	00.24883	4/15/92
12777	92.05109	00.20227	4/15/92
12777	92.05110	00.20227	4/15/92
12777	92.05111	00.20227	4/15/92
12777	92.05112	00.20227	4/15/92
12777	92.05113	00.24875	4/14/92
12777	92.05114	00.24876	4/14/92
12777	92.05115	00.20227	4/15/92
12777	92.05116	00.20227	4/15/92
12777	92.05117	00.24599	3/03/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12777

****

Program code: W21M Task ID number: Request date: 14-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.04983	to	92.04999
C	92.05107	to	92.05112
C	92.05113	to	92.05116
C	92.05117	to	92.05117
W	92.05001	to	92.05002

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	AJL	5/14/92
O	VOLATILES	PTGC	SCB	5/14/92
O	1336363	GCEC	WWB	5/14/92

REMARKS:

TA-53 LAGOONS -- NE
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04983 TO 92.04999 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

92.05001, 92.05002 = VOLATILES ONLY!!!!

QCS:
92.05107, 92.05108 = VOLATILES
92.05109 TO 92.05112 = VOLATILES METHOD BLK
92.05113, 92.05114 = SEMI-VOLATILES
92.05115, 92.05116 = SEMI-VOLATILES METHOD BLK
92.05117 = 1336363

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12783

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0018

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freequez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MB: K490 Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 17 + 5 [illegible]

Matrix	Initial SN		Final SN	# Received
C	92.05120	to	92.05136	17
C	92.05367	to	92.05372	6
C	92.05373	to	92.05376	4
C	92.05377	to	92.05377	1
W	92.05137	to	92.05137	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12783	92.05120	53-SC-G1-S	4/15/92
12783	92.05121	53-SC-H1-S-Q	4/15/92
12783	92.05122	53-SC-H1-S	4/15/92
12783	92.05123	53-SC-I1-S	4/15/92
12783	92.05124	53-SC-J1-S	4/15/92
12783	92.05125	53-SC-K1-S	4/15/92
12783	92.05126	53-SC-L1-S	4/15/92
12783	92.05127	53-SC-M1-S	4/15/92
12783	92.05128	53-SC-N1-S	4/15/92
12783	92.05129	53-SC-O1-S	4/15/92
12783	92.05130	53-SC-P1-S	4/15/92
12783	92.05131	53-SC-Q1-S	4/15/92
12783	92.05132	53-SC-R1-S	4/15/92
12783	92.05133	53-SC-S1-S	4/15/92
12783	92.05134	53-SC-T1-S	4/15/92
12783	92.05135	53-SC-U1-S	4/15/92
12783	92.05136	53-SC-CBS-S	4/15/92
12783	92.05137	53-SC-TPBLK	4/15/92
12783	92.05367	00.24898	4/16/92
12783	92.05368	00.24899	4/16/92
12783	92.05369	00.20227	4/16/92
12783	92.05370	00.20227	4/16/92
12783	92.05371	00.20227	4/16/92
12783	92.05372	00.20227	4/16/92
12783	92.05373	00.24895	4/16/92
12783	92.05374	00.24894	4/16/92
12783	92.05375	00.20227	4/16/92
12783	92.05376	00.20227	4/16/92
12783	92.05377	00.24666	1/25/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12783

****

rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.05120	to	92.05136
C	92.05367	to	92.05372
C	92.05373	to	92.05376
C	92.05377	to	92.05377
W	92.05137	to	92.05137

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/16/92
O	VOLATILES	PTGC	TRB	5/16/92
O	1336363	GCEC	WWB	5/16/92

REMARKS:

TA-53 LAGOONS --- SOUTH
CAUTION: THESE SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNT (ALPHA)

92.05120 TO 92.05137 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

92.05137 = VOLATILES ONLY!!!!!

CS:
92.05367, 92.05368 = VOLATILES
92.05369 TO 92.05372 = VOLATILES METHOD BLK
92.05373, 92.05374 = SEMI-VOLATILES
92.05375, 92.05376 = SEMI-VOLATILES METHOD BLK
92.05377 = 1336363

Amended:
See Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12787

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0005

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: [redacted] HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-081[redacted] Date: 8-May-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

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III. SAMPLE RECEIPT

Signature [signature] Date: 8-May-1992 Total No. received: 4 + 3QCs

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05157	to	92.05157	1
W	92.05383	to	92.05385	3
W	92.05387	to	92.05388	2
W	92.05388	to	92.05388	1
W	92.06439	to	92.06439	1

Translation table o al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12787	92.05154	53-SC-G1-W	4/15/92
12787	92.05155	53-SC-G1-W-Q	4/15/92
12787	92.05156	53-SC-EBK-W	4/15/92
12787	92.05157	53-SC-FBLK-W	4/15/92
12787	92.05383	00.24897	4/16/92
12787	92.05384	00.20226	4/16/92
12787	92.05385	00.20226	4/16/92
12787	92.05386	00.24896	4/16/92
12787	92.05387	00.20226	4/16/92
12787	92.05388	00.24892	4/15/92
12787	92.06439	00.20226	5/08/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12787

****

'rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05157	to	92.05157
W	92.05383	to	92.05385
W	92.05387	to	92.05388
W	92.05388	to	92.05388
W	92.06439	to	92.06439

Section	Analysis	Technique	Analyst	Due-date
0	SEMIVOL	GCMS	MM	5/15/92
0	VOLATILES	PTGC	TRB	5/15/92
0	1336363	GCEC	WWB	5/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNTS (ALPHA)

92.05154 TO 92.05157 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

CS:
92.05383 = VOLATILES
92.05384, 92.05385 = VOLATILES METHOD BLK
92.05386 = SEMI-VOLATILES
92.05387 = SEMI-VOLATILES METHOD BLK
92.05388 = 1336363

ADDED SN #92.06439 FOR VOLATILES METHOD BLK ON 05/08/92

Superceded

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12787

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0005

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-[redacted] Date: 20-Apr-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

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III. SAMPLE RECEIPT

Signature [illegible] Date: 20-Apr-1992 Total No. received: 1 / 3425

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05157	to	92.05157	1
W	92.05383	to	92.05385	3
W	92.05387	to	92.05388	2
W	92.05388	to	92.05388	1

Translation tat [illegible] al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12787	92.05154	53-SC-G1-W	4/15/92
12787	92.05155	53-SC-G1-W-Q	4/15/92
12787	92.05156	53-SC-EBK-W	4/15/92
12787	92.05157	53-SC-FBLK-W	4/15/92
12787	92.05383	00.24897	4/16/92
12787	92.05384	00.20226	4/16/92
12787	92.05385	00.20226	4/16/92
12787	92.05386	00.24896	4/16/92
12787	92.05387	00.20226	4/16/92
12787	92.05388	00.24896	[illegible]

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HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12787

****

Program code: W21M

Task ID number:

Request date: 15-Apr-1992

Customer initials: PRF

Customer phone: 7-0815

MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05157	to	92.05157
W	92.05383	to	92.05385
W	92.05387	to	92.05388
W	92.05388	to	92.05388

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/15/92
O	VOLATILES	PTGC	TRB	5/15/92
O	1336363	GCEC	WWB	5/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNTS (ALPHA)

92.05154 TO 92.05157 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

QCS:
92.05383 = VOLATILES
92.05384, 92.05385 = VOLATILES METHOD BLK
92.05386 = SEMI-VOLATILES
92.05387 = SEMI-VOLATILES METHOD BLK
92.05388 = 1336363

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12783

****

rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.05120	to	92.05136
C	92.05367	to	92.05372
C	92.05373	to	92.05376
C	92.05377	to	92.05377
W	92.05137	to	92.05137

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/16/92
O	VOLATILES	PTGC	TRB	5/16/92
O	1336363	GCEC	WWB	5/16/92

REMARKS:

TA-53 LAGOONS --- SOUTH
CAUTION: THESE SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNT (ALPHA)

92.05120 TO 92.05137 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

92.05137 = VOLATILES ONLY!!!!!

CS:
92.05367, 92.05368 = VOLATILES
92.05369 TO 92.05372 = VOLATILES METHOD BLK
92.05373, 92.05374 = SEMI-VOLATILES
92.05375, 92.05376 = SEMI-VOLATILES METHOD BLK
92.05377 = 1336363

Amended: See Remarks

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12787

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0005

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: [redacted] HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-081[redacted] Date: 8-May-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [signature] Date: 8-May-1992 Total No. received: 4 + 3QCS

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05157	to	92.05157	1
W	92.05383	to	92.05385	3
W	92.05387	to	92.05388	2
W	92.05388	to	92.05388	1
W	92.06439	to	92.06439	1

Translation table o al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12787	92.05154	53-SC-G1-W	4/15/92
12787	92.05155	53-SC-G1-W-Q	4/15/92
12787	92.05156	53-SC-EBK-W	4/15/92
12787	92.05157	53-SC-FBLK-W	4/15/92
12787	92.05383	00.24897	4/16/92
12787	92.05384	00.20226	4/16/92
12787	92.05385	00.20226	4/16/92
12787	92.05386	00.24896	4/16/92
12787	92.05387	00.20226	4/16/92
12787	92.05388	00.24892	4/15/92
12787	92.06439	00.20226	5/08/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12787

****

'rogram code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05157	to	92.05157
W	92.05383	to	92.05385
W	92.05387	to	92.05388
W	92.05388	to	92.05388
W	92.06439	to	92.06439

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/15/92
O	VOLATILES	PTGC	TRB	5/15/92
O	1336363	GCEC	WWB	5/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNTS (ALPHA)

92.05154 TO 92.05157 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

CS:
92.05383 = VOLATILES
92.05384, 92.05385 = VOLATILES METHOD BLK
92.05386 = SEMI-VOLATILES
92.05387 = SEMI-VOLATILES METHOD BLK
92.05388 = 1336363

ADDED SN #92.06439 FOR VOLATILES METHOD BLK ON 05/08/92

Superceded

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12787

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21M Task ID #: No. Samples Expected: 0005

Request date: 15-Apr-1992 Completion date: 15-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0[redacted] Date: 20-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 20-Apr-1992 Total No. received: 9 / 3425

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05156	3
W	92.05157	to	92.05157	1
W	92.05383	to	92.05385	3
W	92.05387	to	92.05388	2
W	92.05388	to	92.05388	1

Translation tat [illegible] al data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12787	92.05154	53-SC-G1-W	4/15/92
12787	92.05155	53-SC-G1-W-Q	4/15/92
12787	92.05156	53-SC-EBK-W	4/15/92
12787	92.05157	53-SC-FBLK-W	4/15/92
12787	92.05383	00.24897	4/16/92
12787	92.05384	00.20226	4/16/92
12787	92.05385	00.20226	4/16/92
12787	92.05386	00.24896	4/16/92
12787	92.05387	00.20226	4/16/92
12787	92.05388	00.24892	4/15/92

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HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12787

****

Program code: W21M

Task ID number:

Request date: 15-Apr-1992

Customer initials: PRF

Customer phone: 7-0815

MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05156
W	92.05157	to	92.05157
W	92.05383	to	92.05385
W	92.05387	to	92.05388
W	92.05388	to	92.05388

Section	Analysis	Technique	Analyst	Due-date
O	SEMIVOL	GCMS	MM	5/15/92
O	VOLATILES	PTGC	TRB	5/15/92
O	1336363	GCEC	WWB	5/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!!
SAMPLES HAVE ELEVATED RAD COUNTS (ALPHA)

92.05154 TO 92.05157 = ALL ANALYSIS
SET A AND B = VOLATILES
SET C = SEMI-VOLATILES, 1336363

QCS:
92.05383 = VOLATILES
92.05384, 92.05385 = VOLATILES METHOD BLK
92.05386 = SEMI-VOLATILES
92.05387 = SEMI-VOLATILES METHOD BLK
92.05388 = 1336363

********** EM-9 ANALYTICAL REPORT **********

Prepared by: LAT on 19-Jun-1992

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 12777 MATRIX: C ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21M NOTEBOOK: A10507 PAGE: 017

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-B1-S	92.04984	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-C1-S	92.04985	1336363	0.57	0.29	UG/G	5/26/92		Mixed-Aroclor
53-NE-D1-S	92.04986	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-E1-S	92.04987	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-Q-S	92.04988	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-Q-S-QA	92.04989	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-R-S	92.04990	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-S-S	92.04991	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-T-S	92.04992	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-U-S	92.04993	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-V-S	92.04994	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-W-S	92.04995	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-W-S-QA	92.04996	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-X-S	92.04997	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-Y-S	92.04998	1336363	0.33	0.17	UG/G	5/26/92		Mixed-Aroclor
53-NE-Z-S	92.04999	1336363	0.27	0.14	UG/G	5/26/92		Mixed-Aroclor

DETAILED PCB DATA for customer samples on this report

CUSTOMER	SAMPLE	ANALYTICAL	ANALYTICAL	COMPLETION

NUM	NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	DATE	COMMENT	COMPOUND NAME
53-NE-A1-S	92.04983	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-A1-S	92.04983	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-A1-S	92.04983	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254
53-NE-A1-S	92.04983	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-B1-S	92.04984	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-B1-S	92.04984	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-B1-S	92.04984	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254
53-NE-B1-S	92.04984	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-C1-S	92.04985	1336363	0.57	0.29	UG/G	5/26/92		Mixed-Aroclor
53-NE-C1-S	92.04985	53469219	0.31	0.16	UG/G	5/26/92		Aroclor 1242
53-NE-C1-S	92.04985	11097691	0.26	0.13	UG/G	5/26/92		Aroclor 1254
53-NE-C1-S	92.04985	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-D1-S	92.04986	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-D1-S	92.04986	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-D1-S	92.04986	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254
53-NE-D1-S	92.04986	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-E1-S	92.04987	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-E1-S	92.04987	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-E1-S	92.04987	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254
53-NE-E1-S	92.04987	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-Q-S	92.04988	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-Q-S	92.04988	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-Q-S	92.04988	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254
53-NE-Q-S	92.04988	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-Q-S-QA	92.04989	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-Q-S-QA	92.04989	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-Q-S-QA	92.04989	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254
53-NE-Q-S-QA	92.04989	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-R-S	92.04990	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-R-S	92.04990	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-R-S	92.04990	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254
53-NE-R-S	92.04990	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-S-S	92.04991	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-S-S	92.04991	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-S-S	92.04991	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254
53-NE-S-S	92.04991	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-T-S	92.04992	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-T-S	92.04992	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-T-S	92.04992	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254
53-NE-T-S	92.04992	11096825	< 0.06		UG/G	5/26/92		Aroclor 1260
53-NE-U-S	92.04993	1336363	< 0.06		UG/G	5/26/92		Mixed-Aroclor
53-NE-U-S	92.04993	53469219	< 0.06		UG/G	5/26/92		Aroclor 1242
53-NE-U-S	92.04993	11097691	< 0.06		UG/G	5/26/92		Aroclor 1254

53-NE-U-S	92.04993	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-V-S	92.04994	1336363	< 0.06		UG/G	5/26/92	Mixed-Aroclor
53-NE-V-S	92.04994	53469219	< 0.06		UG/G	5/26/92	Aroclor 1242
53-NE-V-S	92.04994	11097691	< 0.06		UG/G	5/26/92	Aroclor 1254
53-NE-V-S	92.04994	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-W-S	92.04995	1336363	< 0.06		UG/G	5/26/92	Mixed-Aroclor
53-NE-W-S	92.04995	53469219	< 0.06		UG/G	5/26/92	Aroclor 1242
53-NE-W-S	92.04995	11097691	< 0.06		UG/G	5/26/92	Aroclor 1254
53-NE-W-S	92.04995	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-W-S-QA	92.04996	1336363	< 0.06		UG/G	5/26/92	Mixed-Aroclor
53-NE-W-S-QA	92.04996	53469219	< 0.06		UG/G	5/26/92	Aroclor 1242
53-NE-W-S-QA	92.04996	11097691	< 0.06		UG/G	5/26/92	Aroclor 1254
53-NE-W-S-QA	92.04996	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-X-S	92.04997	1336363	< 0.06		UG/G	5/26/92	Mixed-Aroclor
53-NE-X-S	92.04997	53469219	< 0.06		UG/G	5/26/92	Aroclor 1242
53-NE-X-S	92.04997	11097691	< 0.06		UG/G	5/26/92	Aroclor 1254
53-NE-X-S	92.04997	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-Y-S	92.04998	1336363	0.33	0.17	UG/G	5/26/92	Mixed-Aroclor
53-NE-Y-S	92.04998	53469219	0.17	0.09	UG/G	5/26/92	Aroclor 1242
53-NE-Y-S	92.04998	11097691	0.16	0.08	UG/G	5/26/92	Aroclor 1254
53-NE-Y-S	92.04998	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-Z-S	92.04999	1336363	0.27	0.14	UG/G	5/26/92	Mixed-Aroclor
53-NE-Z-S	92.04999	53469219	0.14	0.07	UG/G	5/26/92	Aroclor 1242
53-NE-Z-S	92.04999	11097691	0.13	0.07	UG/G	5/26/92	Aroclor 1254
53-NE-Z-S	92.04999	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260

53-NE-U-S	92.04993	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-V-S	92.04994	1336363	< 0.06		UG/G	5/26/92	Mixed-Aroclor
53-NE-V-S	92.04994	53469219	< 0.06		UG/G	5/26/92	Aroclor 1242
53-NE-V-S	92.04994	11097691	< 0.06		UG/G	5/26/92	Aroclor 1254
53-NE-V-S	92.04994	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-W-S	92.04995	1336363	< 0.06		UG/G	5/26/92	Mixed-Aroclor
53-NE-W-S	92.04995	53469219	< 0.06		UG/G	5/26/92	Aroclor 1242
53-NE-W-S	92.04995	11097691	< 0.06		UG/G	5/26/92	Aroclor 1254
53-NE-W-S	92.04995	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-W-S-QA	92.04996	1336363	< 0.06		UG/G	5/26/92	Mixed-Aroclor
53-NE-W-S-QA	92.04996	53469219	< 0.06		UG/G	5/26/92	Aroclor 1242
53-NE-W-S-QA	92.04996	11097691	< 0.06		UG/G	5/26/92	Aroclor 1254
53-NE-W-S-QA	92.04996	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-X-S	92.04997	1336363	< 0.06		UG/G	5/26/92	Mixed-Aroclor
53-NE-X-S	92.04997	53469219	< 0.06		UG/G	5/26/92	Aroclor 1242
53-NE-X-S	92.04997	11097691	< 0.06		UG/G	5/26/92	Aroclor 1254
53-NE-X-S	92.04997	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-Y-S	92.04998	1336363	0.33	0.17	UG/G	5/26/92	Mixed-Aroclor
53-NE-Y-S	92.04998	53469219	0.17	0.09	UG/G	5/26/92	Aroclor 1242
53-NE-Y-S	92.04998	11097691	0.16	0.08	UG/G	5/26/92	Aroclor 1254
53-NE-Y-S	92.04998	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260
53-NE-Z-S	92.04999	1336363	0.27	0.14	UG/G	5/26/92	Mixed-Aroclor
53-NE-Z-S	92.04999	53469219	0.14	0.07	UG/G	5/26/92	Aroclor 1242
53-NE-Z-S	92.04999	11097691	0.13	0.07	UG/G	5/26/92	Aroclor 1254
53-NE-Z-S	92.04999	11096825	< 0.06		UG/G	5/26/92	Aroclor 1260

********** EM-9 QUALITY ASSURANCE REPORT **********

POLYCHLORINATED BIPHENYLS Prepared by: LAT on 19-Jun-1992

REQUEST NUMBER: 12777 MATRIX: C ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21M NOTEBOOK: A10507 PAGE: 017

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05117	1336363	24.	12.	UG/G	22.	2.	5/26/92	UNDER CONTROL	Mixed-Aroclor
92.05117	53469219	24.	12.	UG/G	22.	2.	5/26/92	UNDER CONTROL	Aroclor 1242
92.05117	11097691	< 0.6		UG/G	0.0		5/26/92	UNDER CONTROL	Aroclor 1254
92.05117	11096825	< 0.6		UG/G	0.0		5/26/92	UNDER CONTROL	Aroclor 1260

REPORT NUMBER: 14293

Analyst	Reviewer	Section Leader	QA Officer
Ronnie Santos	L. Bigthorne	Christopher	NK for MAG
6/22/92	6/22/92	6/24/92	6/25/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

Prepared by: LAT on 10-Jun-1992

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 12769 MATRIX: C ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-A-S	92.04867	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-B-S	92.04868	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-C-S	92.04869	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-D-S	92.04870	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-E-S	92.04871	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-F-S	92.04872	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-G-S	92.04873	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-H-S	92.04874	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-I-S	92.04875	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-J-S	92.04876	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-K-S	92.04877	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-L-S	92.04878	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-N-S	92.04879	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-M-S	92.04880	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-N-S-QA	92.04881	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-O-S	92.04882	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-O-S-QA	92.04883	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-CBS-S	92.05219	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor

DETAILED PCB DATA for customer samples on this report

CU: NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	.LETION DATE	COMMENT	COMPOUND NAME
53-NW-A-S	92.04867	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-A-S	92.04867	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-A-S	92.04867	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-A-S	92.04867	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-B-S	92.04868	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-B-S	92.04868	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-B-S	92.04868	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-B-S	92.04868	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-C-S	92.04869	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-C-S	92.04869	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-C-S	92.04869	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-C-S	92.04869	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-D-S	92.04870	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-D-S	92.04870	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-D-S	92.04870	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-D-S	92.04870	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-E-S	92.04871	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-E-S	92.04871	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-E-S	92.04871	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-E-S	92.04871	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-F-S	92.04872	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-F-S	92.04872	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-F-S	92.04872	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-F-S	92.04872	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-G-S	92.04873	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-G-S	92.04873	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-G-S	92.04873	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-G-S	92.04873	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-H-S	92.04874	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-H-S	92.04874	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-H-S	92.04874	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-H-S	92.04874	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-I-S	92.04875	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-I-S	92.04875	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-I-S	92.04875	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-I-S	92.04875	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-J-S	92.04876	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-J-S	92.04876	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-NW-J-S	92.04876	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-NW-J-S	92.04876	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-NW-K-S	92.04877	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-NW-K-S	92.04877	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242

53-NW	92.04877	11097691	< 0.06	UG/G	/05/92	Aroclor 1254
53-NW-K-S	92.04877	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-NW-L-S	92.04878	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-NW-L-S	92.04878	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-NW-L-S	92.04878	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-NW-L-S	92.04878	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-NW-N-S	92.04879	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-NW-N-S	92.04879	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-NW-N-S	92.04879	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-NW-N-S	92.04879	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-NW-M-S	92.04880	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-NW-M-S	92.04880	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-NW-M-S	92.04880	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-NW-M-S	92.04880	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-NW-N-S-QA	92.04881	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-NW-N-S-QA	92.04881	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-NW-N-S-QA	92.04881	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-NW-N-S-QA	92.04881	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-NW-O-S	92.04882	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-NW-O-S	92.04882	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-NW-O-S	92.04882	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-NW-O-S	92.04882	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-NW-O-S-QA	92.04883	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-NW-O-S-QA	92.04883	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-NW-O-S-QA	92.04883	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-NW-O-S-QA	92.04883	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-NW-CBS-S	92.05219	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-NW-CBS-S	92.05219	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-NW-CBS-S	92.05219	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-NW-CBS-S	92.05219	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260

********** EM-9 QUALITY ASSURANCE REPORT **********

POLYCHLORINATED BIPHENYLS Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12769 MATRIX: C ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21D NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.04961	1336363	27.	14.	UG/G	22.	2.	6/05/92	UNDER CONTROL	Mixed-Aroclor
92.04961	53469219	< 0.6		UG/G	0.0		6/05/92	UNDER CONTROL	Aroclor 1242
92.04961	11097691	< 0.6		UG/G	0.0		6/05/92	UNDER CONTROL	Aroclor 1254
92.04961	11096825	27.	14.	UG/G	22.	2.	6/05/92	UNDER CONTROL	Aroclor 1260

REPORT NUMBER: 14218

Analyst	Reviewer	Section Leader	QA Officer
6/12/92	6/10/92	6/15/92	6-15-92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

Prepared by: LAT on 4-Jun-1992

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 12772 MATRIX: W ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W	92.04885	1336363	< 0.5		UG/L	6/03/92		Mixed-Aroclor
53-NW-O-W-QA	92.04886	1336363	< 0.5		UG/L	6/03/92		Mixed-Aroclor
53-NW-EBK-W	92.05003	1336363	< 0.5		UG/L	6/03/92		Mixed-Aroclor
53-NE-Y-W	92.05004	1336363	< 0.5		UG/L	6/03/92		Mixed-Aroclor
53-NE-Y-W-QA	92.05005	1336363	< 0.5		UG/L	6/03/92		Mixed-Aroclor
53-NE-EBK-W	92.05006	1336363	< 0.5		UG/L	6/03/92		Mixed-Aroclor

DETAILED PCB DATA for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-NW-O-W	92.04885	1336363	< 0.5		UG/L	6/03/92		Mixed-Aroclor
53-NW-O-W	92.04885	53469219	< 0.5		UG/L	6/03/92		Aroclor 1242
53-NW-O-W	92.04885	11097691	< 0.5		UG/L	6/03/92		Aroclor 1254
53-NW-O-W	92.04885	11096825	< 0.5		UG/L	6/03/92		Aroclor 1260
53-NW-O-W-QA	92.04886	1336363	< 0.5		UG/L	6/03/92		Mixed-Aroclor
53-NW-O-W-QA	92.04886	53469219	< 0.5		UG/L	6/03/92		Aroclor 1242
53-NW-O-W-QA	92.04886	11097691	< 0.5		UG/L	6/03/92		Aroclor 1254
53-NW-O-W-QA	92.04886	11096825	< 0.5		UG/L	6/03/92		Aroclor 1260
53-NW-EBK-W	92.05003	1336363	< 0.5		UG/L	6/03/92		Mixed-Aroclor

53-NW	92.05003	53469219	< 0.5	UG/L	03/92	Aroclor 1242
53-NW-EBK-W	92.05003	11097691	< 0.5	UG/L	6/03/92	Aroclor 1254
53-NW-EBK-W	92.05003	11096825	< 0.5	UG/L	6/03/92	Aroclor 1260
53-NE-Y-W	92.05004	1336363	< 0.5	UG/L	6/03/92	Mixed-Aroclor
53-NE-Y-W	92.05004	53469219	< 0.5	UG/L	6/03/92	Aroclor 1242
53-NE-Y-W	92.05004	11097691	< 0.5	UG/L	6/03/92	Aroclor 1254
53-NE-Y-W	92.05004	11096825	< 0.5	UG/L	6/03/92	Aroclor 1260
53-NE-Y-W-QA	92.05005	1336363	< 0.5	UG/L	6/03/92	Mixed-Aroclor
53-NE-Y-W-QA	92.05005	53469219	< 0.5	UG/L	6/03/92	Aroclor 1242
53-NE-Y-W-QA	92.05005	11097691	< 0.5	UG/L	6/03/92	Aroclor 1254
53-NE-Y-W-QA	92.05005	11096825	< 0.5	UG/L	6/03/92	Aroclor 1260
53-NE-EBK-W	92.05006	1336363	< 0.5	UG/L	6/03/92	Mixed-Aroclor
53-NE-EBK-W	92.05006	53469219	< 0.5	UG/L	6/03/92	Aroclor 1242
53-NE-EBK-W	92.05006	11097691	< 0.5	UG/L	6/03/92	Aroclor 1254
53-NE-EBK-W	92.05006	11096825	< 0.5	UG/L	6/03/92	Aroclor 1260

********** EM-9 QUALITY ASSURANCE REPORT **********

POLYCHLORINATED BIPHENYLS Prepared by: LAT on 4-Jun-1992

REQUEST NUMBER: 12772 MATRIX: W ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05362	1336363	22.	6.6	UG/L	25.	2.	6/03/92	UNDER CONTROL	Mixed-Aroclor
92.05362	53469219	< 1.		UG/L	0.0		6/03/92	UNDER CONTROL	Aroclor 1242
92.05362	11097691	22.	6.6	UG/L	25.	2.	6/03/92	UNDER CONTROL	Aroclor 1254
92.05362	11096825	< 1.		UG/L	0.0		6/03/92	UNDER CONTROL	Aroclor 1260

REPORT NUMBER: 14157

Analyst	Reviewer	Section Leader	QA Officer
6/4/92	6/4/92	6/6/92	6/8/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

Prepared by: LAT on 9-Jun-1992

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 12783 MATRIX: C ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-H1-S-Q	92.05121	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-H1-S	92.05122	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-I1-S	92.05123	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-J1-S	92.05124	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-K1-S	92.05125	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-L1-S	92.05126	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-M1-S	92.05127	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-N1-S	92.05128	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-O1-S	92.05129	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-P1-S	92.05130	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-Q1-S	92.05131	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-R1-S	92.05132	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-S1-S	92.05133	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-T1-S	92.05134	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-U1-S	92.05135	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-CBS-S	92.05136	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor

DETAILED PCB DATA for customer samples on this report

CUSTOMER	SAMPLE	ANALYTICAL	ANALYTICAL	COMPLETION

NL	NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	ATE	COMMENT	COMPOUND NAME
53-SC-G1-S	92.05120	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-G1-S	92.05120	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-G1-S	92.05120	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-G1-S	92.05120	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-H1-S-Q	92.05121	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-H1-S-Q	92.05121	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-H1-S-Q	92.05121	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-H1-S-Q	92.05121	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-H1-S	92.05122	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-H1-S	92.05122	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-H1-S	92.05122	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-H1-S	92.05122	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-I1-S	92.05123	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-I1-S	92.05123	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-I1-S	92.05123	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-I1-S	92.05123	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-J1-S	92.05124	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-J1-S	92.05124	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-J1-S	92.05124	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-J1-S	92.05124	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-K1-S	92.05125	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-K1-S	92.05125	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-K1-S	92.05125	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-K1-S	92.05125	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-L1-S	92.05126	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-L1-S	92.05126	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-L1-S	92.05126	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-L1-S	92.05126	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-M1-S	92.05127	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-M1-S	92.05127	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-M1-S	92.05127	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-M1-S	92.05127	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-N1-S	92.05128	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-N1-S	92.05128	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-N1-S	92.05128	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-N1-S	92.05128	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-O1-S	92.05129	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-O1-S	92.05129	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-O1-S	92.05129	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254
53-SC-O1-S	92.05129	11096825	< 0.06		UG/G	6/05/92		Aroclor 1260
53-SC-P1-S	92.05130	1336363	< 0.06		UG/G	6/05/92		Mixed-Aroclor
53-SC-P1-S	92.05130	53469219	< 0.06		UG/G	6/05/92		Aroclor 1242
53-SC-P1-S	92.05130	11097691	< 0.06		UG/G	6/05/92		Aroclor 1254

53-SC	92.05130	11096825	< 0.06	UG/G	05/92	Aroclor 1260
53-SC-Q1-S	92.05131	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-SC-Q1-S	92.05131	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-SC-Q1-S	92.05131	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-SC-Q1-S	92.05131	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-SC-R1-S	92.05132	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-SC-R1-S	92.05132	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-SC-R1-S	92.05132	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-SC-R1-S	92.05132	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-SC-S1-S	92.05133	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-SC-S1-S	92.05133	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-SC-S1-S	92.05133	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-SC-S1-S	92.05133	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-SC-T1-S	92.05134	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-SC-T1-S	92.05134	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-SC-T1-S	92.05134	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-SC-T1-S	92.05134	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-SC-U1-S	92.05135	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-SC-U1-S	92.05135	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-SC-U1-S	92.05135	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-SC-U1-S	92.05135	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260
53-SC-CBS-S	92.05136	1336363	< 0.06	UG/G	6/05/92	Mixed-Aroclor
53-SC-CBS-S	92.05136	53469219	< 0.06	UG/G	6/05/92	Aroclor 1242
53-SC-CBS-S	92.05136	11097691	< 0.06	UG/G	6/05/92	Aroclor 1254
53-SC-CBS-S	92.05136	11096825	< 0.06	UG/G	6/05/92	Aroclor 1260

********** EM-9 QUALITY ASSURANCE REPORT **********

POLYCHLORINATED BIPHENYLS Prepared by: LAT on 9-Jun-1992

REQUEST NUMBER: 12783 MATRIX: C ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05377	1336363	21.	6.	UG/G	26.	3.	6/05/92	UNDER CONTROL	Mixed-Aroclor
92.05377	53469219	21.	6.	UG/G	26.	3.	6/05/92	UNDER CONTROL	Aroclor 1242
92.05377	11097691	< 0.6		UG/G	0.0		6/05/92	UNDER CONTROL	Aroclor 1254
92.05377	11096825	< 0.6		UG/G	0.0		6/05/92	UNDER CONTROL	Aroclor 1260

REPORT NUMBER: 14203

Analyst	Reviewer	Section Leader	QA Officer
6/16/92	6/10/92	6/15/92	6-15-92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

Prepared by: LAT on 10-Jun-1992

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 12787 MATRIX: W ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W	92.05154	1336363	< 5.		UG/L	6/04/92		Mixed-Aroclor
53-SC-G1-W-Q	92.05155	1336363	< 5.		UG/L	6/04/92		Mixed-Aroclor
53-SC-EBK-W	92.05156	1336363	< 5.		UG/L	6/04/92		Mixed-Aroclor
53-SC-FBLK-W	92.05157	1336363	< 5.		UG/L	6/04/92		Mixed-Aroclor

PCBs

DETAILED PCB DATA for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
53-SC-G1-W	92.05154	1336363	< 5.		UG/L	6/04/92		Mixed-Aroclor
53-SC-G1-W	92.05154	53469219	< 5.		UG/L	6/04/92		Aroclor 1242
53-SC-G1-W	92.05154	11097691	< 5.		UG/L	6/04/92		Aroclor 1254
53-SC-G1-W	92.05154	11096825	< 5.		UG/L	6/04/92		Aroclor 1260
53-SC-G1-W-Q	92.05155	1336363	< 5.		UG/L	6/04/92		Mixed-Aroclor
53-SC-G1-W-Q	92.05155	53469219	< 5.		UG/L	6/04/92		Aroclor 1242
53-SC-G1-W-Q	92.05155	11097691	< 5.		UG/L	6/04/92		Aroclor 1254
53-SC-G1-W-Q	92.05155	11096825	< 5.		UG/L	6/04/92		Aroclor 1260
53-SC-EBK-W	92.05156	1336363	< 5.		UG/L	6/04/92		Mixed-Aroclor
53-SC-EBK-W	92.05156	53469219	< 5.		UG/L	6/04/92		Aroclor 1242
53-SC-EBK-W	92.05156	11097691	< 5.		UG/L	6/04/92		Aroclor 1254

53-SC	92.05156	11096825	< 5.	UG/L	J4/92	Aroclor 1260
53-SC-FBLK-W	92.05157	1336363	< 5.	UG/L	6/04/92	Mixed-Aroclor
53-SC-FBLK-W	92.05157	53469219	< 5.	UG/L	6/04/92	Aroclor 1242
53-SC-FBLK-W	92.05157	11097691	< 5.	UG/L	6/04/92	Aroclor 1254
53-SC-FBLK-W	92.05157	11096825	< 5.	UG/L	6/04/92	Aroclor 1260

********** EM-9 QUALITY ASSURANCE REPORT **********

POLYCHLORINATED BIPHENYLS Prepared by: LAT on 10-Jun-1992

REQUEST NUMBER: 12787 MATRIX: W ANALYST: WAVERLY BRAUNSTEIN PROGRAM CODE: W21M NOTEBOOK: NA PAGE: NA

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

___ Only Blind QC samples run with this batch.

___ No QC samples run with this sample batch.

___ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.05362	1336363	22.	6.6	UG/L	25.	2.	6/03/92	UNDER CONTROL	Mixed-Aroclor
92.05362	53469219	< 1.		UG/L	0.0		6/03/92	UNDER CONTROL	Aroclor 1242
92.05362	11097691	22.	6.6	UG/L	25.	2.	6/03/92	UNDER CONTROL	Aroclor 1254
92.05362	11096825	< 1.		UG/L	0.0		6/03/92	UNDER CONTROL	Aroclor 1260

REPORT NUMBER: 14219

Analyst	Reviewer	Section Leader	QA Officer
6/10/92	6/10/92	6/15/92	6-15-92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in
'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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REPORT NUMBER: 14151

********** EM-9 ANALYTICAL REPORT **********

EPA HERBICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	94757	< 41.		UG/KG	5/13/92		2,4-D
PF-NE-IT-1S	92.03089	93765	< 6.9		UG/KG	5/13/92		2,4,5-T
PF-NE-IT-1S	92.03089	93721	< 5.9		UG/KG	5/13/92		2,4,5-TP

Tentatively Identified Compounds in Customer Sample # 92.03089

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	94757	860.	840.	UG/KG	5/20/92		2,4-D
PF-NE-IT-1S	92.03089	93765	430.	260.	UG/KG	5/20/92		2,4,5-T
PF-NE-IT-1S	92.03089	93721	430.	330.	UG/KG	5/20/92		2,4,5-TP

Matrix Spike Duplicate Results for Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	94757	860.	690.	UG/KG	5/20/92		2,4-D
PF-NE-IT-1S	92.03089	93765	430.	200.	UG/KG	5/20/92		2,4,5-T
PF-NE-IT-1S	92.03089	93721	430.	400.	UG/KG	5/20/92		2,4,5-TP

********** EM-9 ANALYTICAL REPORT **********

EPA HERBICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03090 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NW-IT-1S	92.03090	94757	< 45.		UG/KG	5/13/92		2,4-D
PF-NW-IT-1S	92.03090	93765	< 7.5		UG/KG	5/13/92		2,4,5-T
PF-NW-IT-1S	92.03090	93721	< 6.4		UG/KG	5/13/92		2,4,5-TP

Tentatively Identified Compounds in Customer Sample # 92.03090

none

********** EM-9 ANALYTICAL REPORT **********

EPA HERBICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03091 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-RAD-IT-1S	92.03091	94757	< 31.		UG/KG	5/13/92		2,4-D
PF-RAD-IT-1S	92.03091	93765	< 5.2		UG/KG	5/13/92		2,4,5-T
PF-RAD-IT-1S	92.03091	93721	< 4.4		UG/KG	5/13/92		2,4,5-TP

Tentatively Identified Compounds in Customer Sample # 92.03091

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA HERBICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 00.24611 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20227	00.24611	94757	< 24.		UG/KG	0.0		5/15/92	UNDER CONTROL	2,4-D
00.20227	00.24611	93765	< 4.		UG/KG	0.0		5/15/92	UNDER CONTROL	2,4,5-T
00.20227	00.24611	93721	< 3.4		UG/KG	0.0		5/15/92	UNDER CONTROL	2,4,5-TP

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

There were no blind Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Open (non-blind) QC samples run with this sample batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 14151

_____	L. Bigelow	_____	mag
Analyst	Reviewer	Section Leader	QA Officer
_____	6/5/92	_____	6/5/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

****

The reports for 14148 - 14151 were rewritten because some of the data was omitted. Internal QC numbers were given to outside lab QC's. This was corrected and the reports were rerun and attached to the old reports. The data results were correct and never changed.

********** EM-9 ANALYTICAL REPORT **********

EPA HERBICIDES Prepared by: EAJ on 25-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	94757	< 41.		UG/KG	3/26/92		2,4-D
PF-NE-IT-1S	92.03089	93765	< 6.9		UG/KG	3/26/92		2,4,5-T
PF-NE-IT-1S	92.03089	93721	< 5.9		UG/KG	3/26/92		2,4,5-TP

Tentatively Identified Compounds in Customer Sample # 92.03089

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	94757	860.	690.	UG/KG	3/26/92		2,4-D
PF-NE-IT-1S	92.03089	93765	430.	200.	UG/KG	3/26/92		2,4,5-T
PF-NE-IT-1S	92.03089	93721	430.	330.	UG/KG	3/26/92		2,4,5-TP

Matrix Spike Duplicate Results for Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	94757	860.	840.	UG/KG	3/26/92		2,4-D
PF-NE-IT-1S	92.03089	93765	430.	260.	UG/KG	3/26/92		2,4,5-T
PF-NE-IT-1S	92.03089	93721	430.	400.	UG/KG	3/26/92		2,4,5-TP

********** EM-9 ANALYTICAL REPORT **********

EPA HERBICIDES Prepared by: EAJ on 25-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03090 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NW-IT-1S	92.03090	94757	< 45.		UG/KG	3/26/92		2,4-D
PF-NW-IT-1S	92.03090	93765	< 7.5		UG/KG	3/26/92		2,4,5-T
PF-NW-IT-1S	92.03090	93721	< 6.4		UG/KG	3/26/92		2,4,5-TP

Tentatively Identified Compounds in Customer Sample # 92.03090

none

********** EM-9 ANALYTICAL REPORT **********

EPA HERBICIDES Prepared by: EAJ on 25-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03091 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-RAD-IT-1S	92.03091	94757	< 31.		UG/KG	3/26/92		2,4-D
PF-RAD-IT-1S	92.03091	93765	< 5.2		UG/KG	3/26/92		2,4,5-T
PF-RAD-IT-1S	92.03091	93721	< 4.4		UG/KG	3/26/92		2,4,5-TP

Tentatively Identified Compounds in Customer Sample # 92.03091

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA HERBICIDES Prepared by: EAJ on 25-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 00.24611 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.24611	00.24611	94757	< 24.		UG/KG	0.0		3/26/92	UNDER CONTROL	2,4-D
00.24611	00.24611	93765	< 4.		UG/KG	0.0		3/26/92	UNDER CONTROL	2,4,5-T
00.24611	00.24611	93721	< 3.4		UG/KG	0.0		3/26/92	UNDER CONTROL	2,4,5-TP

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Results, Sample # 00.24611 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.24611	00.24611	94757	500.	440.	UG/KG	0.0		3/26/92		2,4-D
00.24611	00.24611	93765	250.	180.	UG/KG	0.0		3/26/92		2,4,5-T
00.24611	00.24611	93765	250.	200.	UG/KG	0.0		3/26/92		2,4,5-T

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Duplicate Results, Sample # 00.24611 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/23/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.24611	00.24611	94757	500.	480.	UG/KG	0.0		3/26/92		2,4-D
00.24611	00.24611	93721	250.	200.	UG/KG	0.0		3/26/92		2,4,5-TP
00.24611	00.24611	93721	250.	210.	UG/KG	0.0		3/26/92		2,4,5-TP

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.03093 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: Date Analyzed:

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.03093	94757	< 0.34		UG/G	0.43	0.04	3/26/92	UNDER CONTROL	2,4-D
92.03093	93765	< 0.12		UG/G	0.16	0.01	3/26/92	UNDER CONTROL	2,4,5-T
92.03093	93721	< 0.1		UG/G	0.13	0.01	3/26/92	UNDER CONTROL	2,4,5-TP

REPORT NUMBER: 14340

Analyst	Reviewer	Section Leader	QA Officer
	L. Bigelow Davis		mag
Date	7/1/92	Date	7-1-92

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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INTERNATIONAL TECHNOLOGY CORPORATION

CASE NARRATIVE

IT Corporation - Los Alamos
557 Oppenheimer Road
Suite 200
Los Alamos, New Mexico 87545

April 16, 1992

Attention: Dr. Sylvan Hersh

Purchase Order Number: 92-019

This is a case narrative for the following:

Project Number : 281.02
Date Received by Lab: March 18, 1992
Number of Samples : Twelve (12)
Sample Matrix : see below

I. Introduction

On March 18, 1992, six soil samples and six water samples were received at ITAS - St. Louis from TA-53 LAMPF Lagoons Site at Los Alamos National Laboratory. The following is a list of the samples received, analyses requested, along with the ITAS - St. Louis identification numbers, and the matrix for each sample:

CLIENT ID	ITAS ID	MATRIX	ANALYSES REQUESTED
92.03083	1922-001	Water	Herb, Pest, pH
92.03084	1922-002	Water	Herb, Pest, pH
92.03085	1922-003	Water	Herb, Pest, pH
92.03086	1922-004	Water	Pest
92.03087	1922-005	Water	Herb
92.03088	1922-006	Water	pH
92.03089	1922-007	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03090	1922-008	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03091	1922-009	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03092	1922-010	Soil	Pest
92.03093	1922-011	Soil	Herb
92.03094	1922-012	Soil	Cyn, Sulfide

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

II. Analytical Results/Methodology

USEPA methods published in SW-846 (3rd Edition, Revision 0) were followed in the analysis these samples. Organochlorine pesticides were analyzed by Method 8080 (no PCB analysis was requested), and Method 8150 was followed to analyze for the chlorinated herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP (silvex). The results are presented in the attached "CLP" package, with modifications made to the pesticide forms to reflect the requirements of the SW 846 method. The herbicide package follows the general requirements for GC Chlorinated Herbicides Final Reports which was provided by LANL. CLP organics conventions have been used in presenting and flagging data.

Sulfide was analyzed by EPA method 9040; pH by EPA method 9040 for water samples and EPA method 9045 for soil samples; cyanide by EPA method 335.2 (CLP-modified); and flashpoint by EPA method 1010. The results are presented in the enclosed summary reports.

III. Quality Control

(A) Pesticides/Herbicides

Sample 92.03089 (1922-007) was chosen for matrix spike/matrix spike duplicate analysis. In addition, duplicate Laboratory Control Samples (blank spikes) were prepared and analyzed with the samples, as well as a method blank for these analyses. A CLP convention has been followed in presenting the quality control data, and no sample results have been adjusted to reflect QC sample recoveries.

(B) Wet Chemistry

Method blanks, Laboratory Control Samples (blank spikes), matrix spikes and duplicates were performed for cyanide and sulfide analyses. A method blank, Laboratory Control Sample (blank spike) and duplicate were performed for pH. A Laboratory Control Sample (blank spike) and duplicate were performed for the flashpoint analysis.

Sample 92.03089 (1922-007) was chosen for the duplicate and matrix spike analysis.

All samples were extracted and analyzed with the required SW-846 holding times.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

IV. Analysis Comments

(A) Herbicide Analysis

SW-846 Practical Quantitation Limits (PQL's) have been used as reporting limits for this project. However, we have found that on our instrumentation, the normal dilution factor for Method 8150 (50 g. or 1000 ml. going to 10 ml. final extract) results in extracts with levels at the PQL which are at least 50 times higher than the normal calibration range. Therefore, for these analyses, a dilution factor of 50 will lead to detection limits at the PQL when 50 grams of soil or 1000 ml. of water are used.

Sample 1922-005 was not supplied in a large enough quantity to use the protocol amount of water for extraction (only 485 ml available). 2,4-D was detected and confirmed in this sample at 2.3 µg/L. This is not reported on the Form I for this sample because the volume of sample used for extraction caused the detection limit to be increased from 1.2 to 2.5 µg/L.

(B) Pesticide Analysis

The pesticide samples were run in two analytical sequences. The first sequence, beginning on March 30, 1992, included an initial calibration for all pesticides and analysis of all water samples. The daily calibration run after the water samples was out of control for toxaphene. The sequence included the soil method blank, the soil Laboratory Control Samples, and sample 92.03092, all run after the failed toxaphene standard. Those soil samples were quantitated from this sequence for all analytes except toxaphene.

The second analytical sequence, started on April 2, 1992, included reanalyses of the soil method blank and sample 92.03092, which were used for the analysis of toxaphene. We did not consider it necessary to reanalyze the Laboratory Control Samples, which were not spiked with toxaphene, and the dilution of sample 92.03092. The additional soil samples were also analyzed in this second sequence for all target pesticides.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

(B) Pesticide Analysis (con't)

Because of sample matrix interferences, concentrations or detection limits given for each sample on the Form I's may not come from a single run which covers every compound. Attached to this narrative is an Appendix consisting of a table showing the data file numbers for each run used for quantifying the individual target compounds for each sample. In some cases both the primary and secondary column may have contributed to the total list of compounds in a single sample.

Sample 92.03089 and its matrix, matrix/spike duplicate needed a 1:5 dilution for quantitation of 4,4'-DDE and Endosulfan II. Both the original and diluted runs are are submitted.

Because of the low range of the heptachlor epoxide calibration, soil sample 92.03092 contained heptachlor epoxide above the calibration range when run undiluted. The diluted run showed the compound (confirmed) but below the detection limit for the dilution. This is shown as a positive hit on the Form I with a flag to show that it is below the detection limit.

Because of the number of compounds involved and possible coelution, each Laboratory Control Sample consists of two separate extracts, giving a total of four samples for each LCS pair. Therefore, the samples PSPK01A and PSPK01B together represent one LCS, while PSPK01C and PSPK01D make up the duplicate. The same numbering system is used for the soil LCS's (PSPK02 series).

(C) Wet Chemistry Analyses

Flashpoint results are not included for sample 92.03094 as requested on client chain of custody. There was not enough sample submitted for this analysis.

Additional comments regarding the analysis of pH, sulfide, cyanide, and flashpoint are included in the enclosed summary reports.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

I certify that these analysis results are in compliance with the terms and conditions of the contact, both technically and for completeness, with the exception of the items detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory manager or his designee, as verified by the following signature.

Reviewed and Approved:

for Robert E. White
Project Manager

INTERNATIONAL TECHNOLOGY CORPORATION

Memorandum

To: Dr. John Miglio
Los Alamos National Laboratories

Date: 04/20/92

From: Bob White REW
ITAS-St. Louis

Subject: TA-53 LAMPF Lagoons --- Samples

Please find the enclosed laboratory raw data for:

Cyanide EPA 335.2
Sulfide EPA 376.1
pH 9040 (water)
pH 9045 (soil)
Flashpoint EPA 1010

The sample no./lab. I.D.'s will correspond to the client I.D.'s per the case narrative.

Please call me direct if you have any questions or comments at 314-298-8566.

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12627

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0003

Request date: 17-Mar-1992 Completion date: 17-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 17-Mar-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 17-Mar-1992 Total No. received: 3 + 2QC

Matrix	Initial SN		Final SN	# Received
W	92.03086	to	92.03086	1
W	92.03087	to	92.03087	1
WW	92.03083	to	92.03085	3

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12627	92.03083	PF-NE-IT-1W	3/17/92
12627	92.03084	PF-NW-IT-1W	3/17/92
12627	92.03085	PF-RAD-IT-1W	3/17/92
12627	92.03086	00.24617	3/17/92
12627	92.03087	00.24616	3/17/92

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HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12627

****

Program code: W21D Task ID number: Request date: 17-Mar-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.03086	to	92.03086
W	92.03087	to	92.03087
WW	92.03083	to	92.03085

Section	Analysis	Technique	Analyst	Due-date
O	HERBICIDES	GCEC	203	4/17/92
O	PESTICIDES	GCEC	203	4/17/92

REMARKS:

TA-53 LAMPF LAGOONS
SAMPLES DELIVERED TO TA-50; ANALYSIS CONTRACTED TO IT CORP.

92.03083 TO 92.03085 = ALL ANALYSIS
SET A = PESTICIDES
SET B = HERBICIDES

QCS:
92.03086 = PESTICIDES
92.03087 = HERBICIDES

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12629

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0003

Request date: 17-Mar-1992 Completion date: 17-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 17-Mar-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature Sandra K Ramirez Flour Date: 17-Mar-1992 Total No. received: 3 92 03

Matrix	Initial SN		Final SN	# Received
C	92.03089	to	92.03091	3
C	92.03092	to	92.03092	1
C	92.03093	to	92.03093	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12629	92.03089	PF-NE-IT-1S	3/17/92
12629	92.03090	PF-NW-IT-1S	3/17/92
12629	92.03091	PF-RAD-IT-1S	3/17/92
12629	92.03092	00.24615	3/17/92
12629	92.03093	00.24614	3/17/92

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12629

****

Program code: W21D Task ID number: Request date: 17-Mar-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.03089	to	92.03091
C	92.03092	to	92.03092
C	92.03093	to	92.03093

Section	Analysis	Technique	Analyst	Due-date
O	HERBICIDES	GCEC	203	4/17/92
O	PESTICIDES	GCEC	203	4/17/92

REMARKS:

TA-53 LAMPF LAGOONS
SAMPLES DELIVERED TO TA-50; ANALYSIS CONTRACTED TO IT CORP.

92.03089 TO 92.03091 = ALL ANALYSIS

QCS:
92.03092 = PESTICIDES
92.03093 = HERBICIDES

The reports for 14148 - 14151 were rewritten because some of the data was omitted. Internal QC numbers were given to outside lab QC's. This was corrected and the reports were rerun and attached to the old reports. The data results were correct and never changed.

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	309002	< 2.3		UG/KG	5/11/92		Aldrin
PF-NE-IT-1S	92.03089	319846	< 1.7		UG/KG	5/11/92		alpha-BHC
PF-NE-IT-1S	92.03089	319857	< 3.4		UG/KG	5/11/92		beta-BHC
PF-NE-IT-1S	92.03089	319868	< 5.1		UG/KG	5/11/92		delta-BHC
PF-NE-IT-1S	92.03089	57749	< 8.		UG/KG	5/11/92		Chlordane
PF-NE-IT-1S	92.03089	72548	11.	4.	UG/KG	5/11/92		p,p'-DDD
PF-NE-IT-1S	92.03089	72559	57.	14.	UG/KG	5/11/92		p,p'-DDE
PF-NE-IT-1S	92.03089	50293	16.	4.	UG/KG	5/11/92		p,p'-DDT
PF-NE-IT-1S	92.03089	60571	9.7	2.8	UG/KG	5/11/92		Dieldrin
PF-NE-IT-1S	92.03089	959988	< 8.		UG/KG	5/11/92		Endosulfan I
PF-NE-IT-1S	92.03089	33213659	154.	40.	UG/KG	5/11/92		Endosulfan II
PF-NE-IT-1S	92.03089	1031078	< 38.		UG/KG	5/11/92		Endosulfan sulfate
PF-NE-IT-1S	92.03089	72208	< 3.4		UG/KG	5/11/92		Endrin
PF-NE-IT-1S	92.03089	7421934	< 13.		UG/KG	5/11/92		Endrin aldehyde
PF-NE-IT-1S	92.03089	76448	6.6	2.1	UG/KG	5/11/92		Heptachlor
PF-NE-IT-1S	92.03089	1024573	< 47.		UG/KG	5/11/92		Heptachlor epoxide
PF-NE-IT-1S	92.03089	58899	< 2.3		UG/KG	5/11/92		Lindane
PF-NE-IT-1S	92.03089	72435	< 100.		UG/KG	5/11/92		Methoxychlor
PF-NE-IT-1S	92.03089	8001352	< 140.		UG/KG	5/11/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03089

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	309002	12.	21.	UG/KG	5/11/92		Aldrin
PF-NE-IT-1S	92.03089	50293	29.	18.	UG/KG	5/11/92		p,p'-DDT
PF-NE-IT-1S	92.03089	60571	29.	30.	UG/KG	5/11/92		Dieldrin
PF-NE-IT-1S	92.03089	72208	29.	29.	UG/KG	5/11/92		Endrin
PF-NE-IT-1S	92.03089	76448	12.	11.	UG/KG	5/11/92		Heptachlor
PF-NE-IT-1S	92.03089	76448	12.	12.	UG/KG	5/11/92		Heptachlor

Matrix Spike Duplicate Results for Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	309002	12.	23.	UG/KG	5/11/92		Aldrin
PF-NE-IT-1S	92.03089	319846	12.	11.	UG/KG	5/11/92		alpha-BHC
PF-NE-IT-1S	92.03089	50293	29.	8.7	UG/KG	5/11/92		p,p'-DDT
PF-NE-IT-1S	92.03089	60571	29.	29.	UG/KG	5/11/92		Dieldrin
PF-NE-IT-1S	92.03089	72208	29.	29.	UG/KG	5/11/92		Endrin
PF-NE-IT-1S	92.03089	58899	12.	9.8	UG/KG	5/11/92		Lindane

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03090 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NW-IT-1S	92.03090	309002	< 12.		UG/KG	5/11/92		Aldrin
PF-NW-IT-1S	92.03090	319846	< 9.4		UG/KG	5/11/92		alpha-BHC
PF-NW-IT-1S	92.03090	319857	< 19.		UG/KG	5/11/92		beta-BHC
PF-NW-IT-1S	92.03090	319868	< 28.		UG/KG	5/11/92		delta-BHC
PF-NW-IT-1S	92.03090	57749	< 44.		UG/KG	5/11/92		Chlordane
PF-NW-IT-1S	92.03090	72548	< 34.		UG/KG	5/11/92		p,p'-DDD
PF-NW-IT-1S	92.03090	72559	17.	4.	UG/KG	5/11/92		p,p'-DDE
PF-NW-IT-1S	92.03090	50293	< 37.		UG/KG	5/11/92		p,p'-DDT
PF-NW-IT-1S	92.03090	60571	< 6.2		UG/KG	5/11/92		Dieldrin
PF-NW-IT-1S	92.03090	959988	< 44.		UG/KG	5/11/92		Endosulfan I
PF-NW-IT-1S	92.03090	33213659	53.	12.	UG/KG	5/11/92		Endosulfan II
PF-NW-IT-1S	92.03090	1031078	< 200.		UG/KG	5/11/92		Endosulfan sulfate
PF-NW-IT-1S	92.03090	72208	< 19.		UG/KG	5/11/92		Endrin
PF-NW-IT-1S	92.03090	7421934	< 72.		UG/KG	5/11/92		Endrin aldehyde
PF-NW-IT-1S	92.03090	76448	< 9.4		UG/KG	5/11/92		Heptachlor
PF-NW-IT-1S	92.03090	1024573	< 260.		UG/KG	5/11/92		Heptachlor epoxide
PF-NW-IT-1S	92.03090	58899	< 12.		UG/KG	5/11/92		Lindane
PF-NW-IT-1S	92.03090	72435	< 550.		UG/KG	5/11/92		Methoxychlor
PF-NW-IT-1S	92.03090	8001352	< 750.		UG/KG	5/11/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03090

none

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03091 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-RAD-IT-1S	92.03091	309002	< 1.7		UG/KG	5/11/92		Aldrin
PF-RAD-IT-1S	92.03091	319846	< 1.3		UG/KG	5/11/92		alpha-BHC
PF-RAD-IT-1S	92.03091	319857	< 2.6		UG/KG	5/11/92		beta-BHC
PF-RAD-IT-1S	92.03091	319868	< 3.9		UG/KG	5/11/92		delta-BHC
PF-RAD-IT-1S	92.03091	57749	< 6.		UG/KG	5/11/92		Chlordane
PF-RAD-IT-1S	92.03091	72548	< 4.7		UG/KG	5/11/92		p,p'-DDD
PF-RAD-IT-1S	92.03091	72559	< 1.7		UG/KG	5/11/92		p,p'-DDE
PF-RAD-IT-1S	92.03091	50293	< 5.2		UG/KG	5/11/92		p,p'-DDT
PF-RAD-IT-1S	92.03091	60571	< 0.86		UG/KG	5/11/92		Dieldrin
PF-RAD-IT-1S	92.03091	959988	< 6.		UG/KG	5/11/92		Endosulfan I
PF-RAD-IT-1S	92.03091	33213659	< 1.7		UG/KG	5/11/92		Endosulfan II
PF-RAD-IT-1S	92.03091	1031078	< 28.		UG/KG	5/11/92		Endosulfan sulfate
PF-RAD-IT-1S	92.03091	72208	< 2.6		UG/KG	5/11/92		Endrin
PF-RAD-IT-1S	92.03091	7421934	< 9.9		UG/KG	5/11/92		Endrin aldehyde
PF-RAD-IT-1S	92.03091	76448	< 1.3		UG/KG	5/11/92		Heptachlor
PF-RAD-IT-1S	92.03091	1024573	< 36.		UG/KG	5/11/92		Heptachlor epoxide
PF-RAD-IT-1S	92.03091	58899	< 1.7		UG/KG	5/11/92		Lindane
PF-RAD-IT-1S	92.03091	72435	< 76.		UG/KG	5/11/92		Methoxychlor
PF-RAD-IT-1S	92.03091	8001352	< 100.		UG/KG	5/11/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03091

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA PESTICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results

none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.03092 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/01/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.03092	309002	< 0.0012		UG/G	0.0		5/11/92	UNDER CONTROL	Aldrin
92.03092	309002	< 0.0012		UG/G	0.0		5/11/92	UNDER CONTROL	Aldrin
92.03092	319846	< 0.0009		UG/G	0.0		5/11/92	UNDER CONTROL	alpha-BHC
92.03092	319846	< 0.0009		UG/G	0.0		5/11/92	UNDER CONTROL	alpha-BHC
92.03092	319857	0.03	0.007	UG/G	0.034	0.003	5/11/92	UNDER CONTROL	beta-BHC
92.03092	319868	< 0.0028		UG/G	0.0		5/11/92	UNDER CONTROL	delta-BHC
92.03092	319868	< 0.0028		UG/G	0.0		5/11/92	UNDER CONTROL	delta-BHC
92.03092	57749	< 0.0043		UG/G	0.0		5/11/92	UNDER CONTROL	Chlordane
92.03092	57749	< 0.0043		UG/G	0.0		5/11/92	UNDER CONTROL	Chlordane
92.03092	72548	< 0.0034		UG/G	0.0		5/11/92	UNDER CONTROL	p,p'-DDD
92.03092	72548	< 0.0034		UG/G	0.0		5/11/92	UNDER CONTROL	p,p'-DDD
92.03092	72559	0.064	0.018	UG/G	0.069	0.007	5/11/92	UNDER CONTROL	p,p'-DDE
92.03092	50293	0.1	0.03	UG/G	0.071	0.007	5/11/92	UNDER CONTROL	p,p'-DDT
92.03092	60571	< 0.0006		UG/G	0.0		5/11/92	UNDER CONTROL	Dieldrin
92.03092	60571	< 0.0006		UG/G	0.0		5/11/92	UNDER CONTROL	Dieldrin
92.03092	959988	< 0.0043		UG/G	0.0		5/11/92	UNDER CONTROL	Endosulfan I
92.03092	959988	< 0.0043		UG/G	0.0		5/11/92	UNDER CONTROL	Endosulfan I
92.03092	33213659	< 0.0012		UG/G	0.0		5/11/92	UNDER CONTROL	Endosulfan II
92.03092	33213659	< 0.0012		UG/G	0.0		5/11/92	UNDER CONTROL	Endosulfan II
92.03092	1031078	< 0.02		UG/G	0.0		5/11/92	UNDER CONTROL	Endosulfan sulfate
92.03092	1031078	< 0.02		UG/G	0.0		5/11/92	UNDER CONTROL	Endosulfan sulfate
92.03092	72208	0.058	0.016	UG/G	0.069	0.007	5/11/92	UNDER CONTROL	Endrin
92.03092	7421934	< 0.0071		UG/G	0.0		5/11/92	UNDER CONTROL	Endrin aldehyde
92.03092	7421934	< 0.0071		UG/G	0.0		5/11/92	UNDER CONTROL	Endrin aldehyde
92.03092	76448	< 0.0009		UG/G	0.0		5/11/92	UNDER CONTROL	Heptachlor
92.03092	76448	< 0.0009		UG/G	0.0		5/11/92	UNDER CONTROL	Heptachlor

92.03092	1024573	0.037	0.01	UG/G	0.041	0.004	5/11/92	UNDER CONTROL	Heptachlor epoxide
92.03092	58899	0.03	0.008	UG/G	0.041	0.004	5/11/92	UNDER CONTROL	Lindane
92.03092	72435	< 0.095		UG/G	0.17	0.02	5/11/92	UNDER CONTROL	Methoxychlor
92.03092	72435	< 0.095		UG/G	0.17	0.02	5/11/92	UNDER CONTROL	Methoxychlor
92.03092	8001352	< 0.074		UG/G	0.0		5/11/92	UNDER CONTROL	Toxaphene
92.03092	8001352	< 0.074		UG/G	0.0		5/11/92	UNDER CONTROL	Toxaphene

********** EM-9 QUALITY ASSURANCE REPORT **********

Surrogate results for EPA PESTICIDES: Dibutyl chlorendate (CAS # = 96); EPA Range Limits: Water = 24 - 150 %, Soil = 24 - 154 %

SAMPLE NUMBER	RESULT	UNITS	COMPLETION DATE	COMMENT	SAMPLE TYPE
00.24611	91.	%	5/11/92		BS
00.24611	80.	%	5/11/92		BS
00.24611	91.	%	5/11/92		BSD
00.24611	85.	%	5/11/92		BSD
92.03089	77.	%	5/11/92		
92.03089	80.	%	5/11/92		
92.03089	73.	%	5/11/92		
92.03090	83.	%	5/11/92		
92.03091	84.	%	5/11/92		
92.03092	91.	%	5/11/92		
92.03092	91.	%	5/11/92		

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14149

	L. Bigham		mag
Analyst	Reviewer	Section Leader	QA Officer
	6/5/92		6/22/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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The reports for 14148 - 14151 were rewritten because some of the data was omitted. Internal QC numbers were given to outside lab QC's. This was corrected and the reports were rerun and attached to the old reports. The data results were correct and never changed.

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: DMH on 29-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	309002	< 2.3		UG/KG	4/03/92		Aldrin
PF-NE-IT-1S	92.03089	319846	< 1.7		UG/KG	4/03/92		alpha-BHC
PF-NE-IT-1S	92.03089	319857	< 3.4		UG/KG	4/03/92		beta-BHC
PF-NE-IT-1S	92.03089	319868	< 5.1		UG/KG	4/03/92		delta-BHC
PF-NE-IT-1S	92.03089	57749	< 8.		UG/KG	4/03/92		Chlordane
PF-NE-IT-1S	92.03089	72548	11.	4.	UG/KG	4/03/92		p,p'-DDD
PF-NE-IT-1S	92.03089	72559	57.	14.	UG/KG	4/03/92		p,p'-DDE
PF-NE-IT-1S	92.03089	50293	16.	4.	UG/KG	4/03/92		p,p'-DDT
PF-NE-IT-1S	92.03089	60571	9.7	2.8	UG/KG	4/03/92		Dieldrin
PF-NE-IT-1S	92.03089	959988	< 8.		UG/KG	4/03/92		Endosulfan I
PF-NE-IT-1S	92.03089	33213659	154.	40.	UG/KG	4/03/92		Endosulfan II
PF-NE-IT-1S	92.03089	1031078	< 38.		UG/KG	4/03/92		Endosulfan sulfate
PF-NE-IT-1S	92.03089	72208	< 3.4		UG/KG	4/03/92		Endrin
PF-NE-IT-1S	92.03089	7421934	< 13.		UG/KG	4/03/92		Endrin aldehyde
PF-NE-IT-1S	92.03089	76448	6.6	2.1	UG/KG	4/03/92		Heptachlor
PF-NE-IT-1S	92.03089	1024573	< 47.		UG/KG	4/03/92		Heptachlor epoxide
PF-NE-IT-1S	92.03089	58899	< 2.3		UG/KG	4/03/92		Lindane
PF-NE-IT-1S	92.03089	72435	< 100.		UG/KG	4/03/92		Methoxychlor
PF-NE-IT-1S	92.03089	8001352	< 140.		UG/KG	4/03/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03089

none

********** EM-9 ANALYTICAL REPORT **********

Matrix Spike Results for Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	309002	12.	21.	UG/KG	4/03/92		Aldrin
PF-NE-IT-1S	92.03089	50293	29.	18.	UG/KG	4/03/92		p,p'-DDT
PF-NE-IT-1S	92.03089	60571	29.	30.	UG/KG	4/03/92		Dieldrin
PF-NE-IT-1S	92.03089	72208	29.	29.	UG/KG	4/03/92		Endrin
PF-NE-IT-1S	92.03089	76448	12.	11.	UG/KG	4/03/92		Heptachlor
PF-NE-IT-1S	92.03089	76448	12.	12.	UG/KG	4/03/92		Heptachlor

Matrix Spike Duplicate Results for Sample # 92.03089 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1S	92.03089	309002	12.	23.	UG/KG	4/03/92		Aldrin
PF-NE-IT-1S	92.03089	319846	12.	11.	UG/KG	4/03/92		alpha-BHC
PF-NE-IT-1S	92.03089	50293	29.	8.7	UG/KG	4/03/92		p,p'-DDT
PF-NE-IT-1S	92.03089	60571	29.	29.	UG/KG	4/03/92		Dieldrin
PF-NE-IT-1S	92.03089	72208	29.	29.	UG/KG	4/03/92		Endrin
PF-NE-IT-1S	92.03089	58899	12.	9.8	UG/KG	4/03/92		Lindane

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: DMH on 29-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03090 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NW-IT-1S	92.03090	309002	< 12.		UG/KG	4/03/92		Aldrin
PF-NW-IT-1S	92.03090	319846	< 9.4		UG/KG	4/03/92		alpha-BHC
PF-NW-IT-1S	92.03090	319857	< 19.		UG/KG	4/03/92		beta-BHC
PF-NW-IT-1S	92.03090	319868	< 28.		UG/KG	4/03/92		delta-BHC
PF-NW-IT-1S	92.03090	57749	< 44.		UG/KG	4/03/92		Chlordane
PF-NW-IT-1S	92.03090	72548	< 34.		UG/KG	4/03/92		p,p'-DDD
PF-NW-IT-1S	92.03090	72559	17.	4.	UG/KG	4/03/92		p,p'-DDE
PF-NW-IT-1S	92.03090	50293	< 37.		UG/KG	4/03/92		p,p'-DDT
PF-NW-IT-1S	92.03090	60571	< 6.2		UG/KG	4/03/92		Dieldrin
PF-NW-IT-1S	92.03090	959988	< 44.		UG/KG	4/03/92		Endosulfan I
PF-NW-IT-1S	92.03090	33213659	53.	12.	UG/KG	4/03/92		Endosulfan II
PF-NW-IT-1S	92.03090	1031078	< 200.		UG/KG	4/03/92		Endosulfan sulfate
PF-NW-IT-1S	92.03090	72208	< 19.		UG/KG	4/03/92		Endrin
PF-NW-IT-1S	92.03090	7421934	< 72.		UG/KG	4/03/92		Endrin aldehyde
PF-NW-IT-1S	92.03090	76448	< 9.4		UG/KG	4/03/92		Heptachlor
PF-NW-IT-1S	92.03090	1024573	< 260.		UG/KG	4/03/92		Heptachlor epoxide
PF-NW-IT-1S	92.03090	58899	< 12.		UG/KG	4/03/92		Lindane
PF-NW-IT-1S	92.03090	72435	< 550.		UG/KG	4/03/92		Methoxychlor
PF-NW-IT-1S	92.03090	8001352	< 750.		UG/KG	4/03/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03090

none

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: DMH on 29-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03091 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-RAD-IT-1S	92.03091	309002	< 1.7		UG/KG	4/03/92		Aldrin
PF-RAD-IT-1S	92.03091	319846	< 1.3		UG/KG	4/03/92		alpha-BHC
PF-RAD-IT-1S	92.03091	319857	< 2.6		UG/KG	4/03/92		beta-BHC
PF-RAD-IT-1S	92.03091	319868	< 3.9		UG/KG	4/03/92		delta-BHC
PF-RAD-IT-1S	92.03091	57749	< 6.		UG/KG	4/03/92		Chlordane
PF-RAD-IT-1S	92.03091	72548	< 4.7		UG/KG	4/03/92		p,p'-DDD
PF-RAD-IT-1S	92.03091	72559	< 1.7		UG/KG	4/03/92		p,p'-DDE
PF-RAD-IT-1S	92.03091	50293	< 5.2		UG/KG	4/03/92		p,p'-DDT
PF-RAD-IT-1S	92.03091	60571	< 0.86		UG/KG	4/03/92		Dieldrin
PF-RAD-IT-1S	92.03091	959988	< 6.		UG/KG	4/03/92		Endosulfan I
PF-RAD-IT-1S	92.03091	33213659	< 1.7		UG/KG	4/03/92		Endosulfan II
PF-RAD-IT-1S	92.03091	1031078	< 28.		UG/KG	4/03/92		Endosulfan sulfate
PF-RAD-IT-1S	92.03091	72208	< 2.6		UG/KG	4/03/92		Endrin
PF-RAD-IT-1S	92.03091	7421934	< 9.9		UG/KG	4/03/92		Endrin aldehyde
PF-RAD-IT-1S	92.03091	76448	< 1.3		UG/KG	4/03/92		Heptachlor
PF-RAD-IT-1S	92.03091	1024573	< 36.		UG/KG	4/03/92		Heptachlor epoxide
PF-RAD-IT-1S	92.03091	58899	< 1.7		UG/KG	4/03/92		Lindane
PF-RAD-IT-1S	92.03091	72435	< 76.		UG/KG	4/03/92		Methoxychlor
PF-RAD-IT-1S	92.03091	8001352	< 100.		UG/KG	4/03/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03091

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA PESTICIDES Prepared by: DMH on 29-Jun-1992

REQUEST NUMBER: 12629 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 00.24611 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.24611	00.24611	309002	< 1.3		UG/KG	0.0		4/03/92	UNDER CONTROL	Aldrin
00.24611	00.24611	319846	< 0.99		UG/KG	0.0		4/03/92	UNDER CONTROL	alpha-BHC
00.24611	00.24611	319857	< 2.		UG/KG	0.0		4/03/92	UNDER CONTROL	beta-BHC
00.24611	00.24611	319868	< 3.		UG/KG	0.0		4/03/92	UNDER CONTROL	delta-BHC
00.24611	00.24611	57749	< 4.6		UG/KG	0.0		4/03/92	UNDER CONTROL	Chlordane
00.24611	00.24611	72548	< 3.6		UG/KG	0.0		4/03/92	UNDER CONTROL	p,p'-DDD
00.24611	00.24611	72559	< 1.3		UG/KG	0.0		4/03/92	UNDER CONTROL	p,p'-DDE
00.24611	00.24611	50293	< 4.		UG/KG	0.0		4/03/92	UNDER CONTROL	p,p'-DDT
00.24611	00.24611	60571	< 0.66		UG/KG	0.0		4/03/92	UNDER CONTROL	Dieldrin
00.24611	00.24611	959988	< 4.6		UG/KG	0.0		4/03/92	UNDER CONTROL	Endosulfan I
00.24611	00.24611	33213659	< 1.3		UG/KG	0.0		4/03/92	UNDER CONTROL	Endosulfan II
00.24611	00.24611	1031078	< 22.		UG/KG	0.0		4/03/92	UNDER CONTROL	Endosulfan sulfate
00.24611	00.24611	72208	< 2.		UG/KG	0.0		4/03/92	UNDER CONTROL	Endrin
00.24611	00.24611	7421934	< 7.6		UG/KG	0.0		4/03/92	UNDER CONTROL	Endrin aldehyde
00.24611	00.24611	76448	< 0.99		UG/KG	0.0		4/03/92	UNDER CONTROL	Heptachlor
00.24611	00.24611	1024573	< 27.		UG/KG	0.0		4/03/92	UNDER CONTROL	Heptachlor epoxide
00.24611	00.24611	58899	< 1.3		UG/KG	0.0		4/03/92	UNDER CONTROL	Lindane
00.24611	00.24611	72435	< 58.		UG/KG	0.0		4/03/92	UNDER CONTROL	Methoxychlor
00.24611	00.24611	8001352	< 79.		UG/KG	0.0		4/03/92	UNDER CONTROL	Toxaphene

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Results, Sample # 00.24611 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.24611	00.24611	309002	6.7	7.9	UG/KG	0.0		4/03/92		Aldrin
00.24611	00.24611	319846	6.7	7.7	UG/KG	0.0		4/03/92		alpha-BHC
00.24611	00.24611	319857	6.7	8.7	UG/KG	0.0		4/03/92		beta-BHC
00.24611	00.24611	319868	6.7	8.8	UG/KG	0.0		4/03/92		delta-BHC
00.24611	00.24611	72548	33.	42.	UG/KG	0.0		4/03/92		p,p'-DDD
00.24611	00.24611	72559	6.7	7.9	UG/KG	0.0		4/03/92		p,p'-DDE
00.24611	00.24611	50293	33.	42.	UG/KG	0.0		4/03/92		p,p'-DDT
00.24611	00.24611	60571	6.7	7.7	UG/KG	0.0		4/03/92		Dieldrin
00.24611	00.24611	959988	6.7	9.5	UG/KG	0.0		4/03/92		Endosulfan I
00.24611	00.24611	33213659	33.	39.	UG/KG	0.0		4/03/92		Endosulfan II
00.24611	00.24611	1031078	33.	35.	UG/KG	0.0		4/03/92		Endosulfan sulfate
00.24611	00.24611	72208	6.7	7.6	UG/KG	0.0		4/03/92		Endrin
00.24611	00.24611	7421934	17.	17.	UG/KG	0.0		4/03/92		Endrin aldehyde
00.24611	00.24611	76448	6.7	8.9	UG/KG	0.0		4/03/92		Heptachlor
00.24611	00.24611	1024573	33.	37.	UG/KG	0.0		4/03/92		Heptachlor epoxide
00.24611	00.24611	58899	6.7	7.4	UG/KG	0.0		4/03/92		Lindane
00.24611	00.24611	72435	100.	111.	UG/KG	0.0		4/03/92		Methoxychlor

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Duplicate Results, Sample # 00.24611 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/03/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.24611	00.24611	309002	6.7	8.3	UG/KG	0.0		4/03/92		Aldrin
00.24611	00.24611	319846	6.7	6.4	UG/KG	0.0		4/03/92		alpha-BHC
00.24611	00.24611	319857	6.7	7.	UG/KG	0.0		4/03/92		beta-BHC
00.24611	00.24611	319868	6.7	7.1	UG/KG	0.0		4/03/92		delta-BHC
00.24611	00.24611	72548	33.	32.	UG/KG	0.0		4/03/92		p,p'-DDD
00.24611	00.24611	72559	6.7	6.	UG/KG	0.0		4/03/92		p,p'-DDE
00.24611	00.24611	50293	33.	40.	UG/KG	0.0		4/03/92		p,p'-DDT
00.24611	00.24611	60571	6.7	8.1	UG/KG	0.0		4/03/92		Dieldrin
00.24611	00.24611	959988	6.7	9.9	UG/KG	0.0		4/03/92		Endosulfan I
00.24611	00.24611	33213659	33.	42.	UG/KG	0.0		4/03/92		Endosulfan II
00.24611	00.24611	1031078	33.	28.	UG/KG	0.0		4/03/92		Endosulfan sulfate
00.24611	00.24611	72208	6.7	5.9	UG/KG	0.0		4/03/92		Endrin
00.24611	00.24611	7421934	17.	18.	UG/KG	0.0		4/03/92		Endrin aldehyde
00.24611	00.24611	76448	6.7	8.4	UG/KG	0.0		4/03/92		Heptachlor
00.24611	00.24611	1024573	33.	36.	UG/KG	0.0		4/03/92		Heptachlor epoxide
00.24611	00.24611	58899	6.7	7.	UG/KG	0.0		4/03/92		Lindane
00.24611	00.24611	72435	100.	116.	UG/KG	0.0		4/03/92		Methoxychlor

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.03092 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/24/92 Date Analyzed: 4/01/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.03092	309002	< 0.0012		UG/G	0.0		4/03/92	UNDER CONTROL	Aldrin
92.03092	309002	< 0.0012		UG/G	0.0		4/03/92	UNDER CONTROL	Aldrin
92.03092	319846	< 0.0009		UG/G	0.0		4/03/92	UNDER CONTROL	alpha-BHC
92.03092	319846	< 0.0009		UG/G	0.0		4/03/92	UNDER CONTROL	alpha-BHC
92.03092	319857	0.03	0.007	UG/G	0.034	0.003	4/03/92	UNDER CONTROL	beta-BHC
92.03092	319868	< 0.0028		UG/G	0.0		4/03/92	UNDER CONTROL	delta-BHC
92.03092	319868	< 0.0028		UG/G	0.0		4/03/92	UNDER CONTROL	delta-BHC
92.03092	57749	< 0.0043		UG/G	0.0		4/03/92	UNDER CONTROL	Chlordane
92.03092	57749	< 0.0043		UG/G	0.0		4/03/92	UNDER CONTROL	Chlordane
92.03092	72548	< 0.0034		UG/G	0.0		4/03/92	UNDER CONTROL	p,p'-DDD
92.03092	72548	< 0.0034		UG/G	0.0		4/03/92	UNDER CONTROL	p,p'-DDD
92.03092	72559	0.064	0.018	UG/G	0.069	0.007	4/03/92	UNDER CONTROL	p,p'-DDE
92.03092	50293	0.1	0.03	UG/G	0.071	0.007	4/03/92	UNDER CONTROL	p,p'-DDT
92.03092	60571	< 0.0006		UG/G	0.0		4/03/92	UNDER CONTROL	Dieldrin
92.03092	60571	< 0.0006		UG/G	0.0		4/03/92	UNDER CONTROL	Dieldrin
92.03092	959988	< 0.0043		UG/G	0.0		4/03/92	UNDER CONTROL	Endosulfan I
92.03092	959988	< 0.0043		UG/G	0.0		4/03/92	UNDER CONTROL	Endosulfan I
92.03092	33213659	< 0.0012		UG/G	0.0		4/03/92	UNDER CONTROL	Endosulfan II
92.03092	33213659	< 0.0012		UG/G	0.0		4/03/92	UNDER CONTROL	Endosulfan II
92.03092	1031078	< 0.02		UG/G	0.0		4/03/92	UNDER CONTROL	Endosulfan sulfate
92.03092	1031078	< 0.02		UG/G	0.0		4/03/92	UNDER CONTROL	Endosulfan sulfate
92.03092	72208	0.058	0.016	UG/G	0.069	0.007	4/03/92	UNDER CONTROL	Endrin
92.03092	7421934	< 0.0071		UG/G	0.0		4/03/92	UNDER CONTROL	Endrin aldehyde
92.03092	7421934	< 0.0071		UG/G	0.0		4/03/92	UNDER CONTROL	Endrin aldehyde
92.03092	76448	< 0.0009		UG/G	0.0		4/03/92	UNDER CONTROL	Heptachlor
92.03092	76448	< 0.0009		UG/G	0.0		4/03/92	UNDER CONTROL	Heptachlor

92.03092	1024573	0.037	0.01	UG/G	0.041	0.004	4/03/92	UNDER CONTROL	Heptachlor epoxide
92.03092	58899	0.03	0.008	UG/G	0.041	0.004	4/03/92	UNDER CONTROL	Lindane
92.03092	72435	< 0.095		UG/G	0.17	0.02	4/03/92	UNDER CONTROL	Methoxychlor
92.03092	72435	< 0.095		UG/G	0.17	0.02	4/03/92	UNDER CONTROL	Methoxychlor
92.03092	8001352	< 0.074		UG/G	0.0		4/03/92	UNDER CONTROL	Toxaphene
92.03092	8001352	< 0.074		UG/G	0.0		4/03/92	UNDER CONTROL	Toxaphene

********** EM-9 QUALITY ASSURANCE REPORT **********

Surrogate results for EPA PESTICIDES: Dibutyl chlorendate (CAS # = 96); EPA Range Limits: Water = 24 - 150 %, Soil = 24 - 154 %

SAMPLE NUMBER	RESULT	UNITS	COMPLETION DATE	COMMENT	SAMPLE TYPE
00.24611	91.	%	4/03/92		BS
00.24611	80.	%	4/03/92		BS
00.24611	91.	%	4/03/92		BSD
00.24611	85.	%	4/03/92		BSD
92.03089	80.	%	4/03/92		
92.03089	77.	%	4/03/92		
92.03089	73.	%	4/03/92		
92.03090	83.	%	4/03/92		
92.03091	84.	%	4/03/92		
92.03092	91.	%	4/03/92		
92.03092	91.	%	4/03/92		

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14373

	F. Bigthwenis		mag
Analyst	Reviewer	Section Leader	QA Officer
	7/1/92		7/1/92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03083 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1W	92.03083	309002	< 0.04		UG/L	5/11/92		Aldrin
PF-NE-IT-1W	92.03083	319846	< 0.03		UG/L	5/11/92		alpha-BHC
PF-NE-IT-1W	92.03083	319857	< 0.06		UG/L	5/11/92		beta-BHC
PF-NE-IT-1W	92.03083	319868	< 0.09		UG/L	5/11/92		delta-BHC
PF-NE-IT-1W	92.03083	57749	< 0.14		UG/L	5/11/92		Chlordane
PF-NE-IT-1W	92.03083	72548	< 0.11		UG/L	5/11/92		p,p'-DDD
PF-NE-IT-1W	92.03083	72559	< 0.04		UG/L	5/11/92		p,p'-DDE
PF-NE-IT-1W	92.03083	50293	< 0.12		UG/L	5/11/92		p,p'-DDT
PF-NE-IT-1W	92.03083	60571	< 0.02		UG/L	5/11/92		Dieldrin
PF-NE-IT-1W	92.03083	959988	< 0.14		UG/L	5/11/92		Endosulfan I
PF-NE-IT-1W	92.03083	33213659	< 0.04		UG/L	5/11/92		Endosulfan II
PF-NE-IT-1W	92.03083	1031078	< 0.66		UG/L	5/11/92		Endosulfan sulfate
PF-NE-IT-1W	92.03083	72208	< 0.06		UG/L	5/11/92		Endrin
PF-NE-IT-1W	92.03083	7421934	< 0.23		UG/L	5/11/92		Endrin aldehyde
PF-NE-IT-1W	92.03083	76448	< 0.03		UG/L	5/11/92		Heptachlor
PF-NE-IT-1W	92.03083	1024573	< 0.83		UG/L	5/11/92		Heptachlor epoxide
PF-NE-IT-1W	92.03083	58899	< 0.04		UG/L	5/11/92		Lindane
PF-NE-IT-1W	92.03083	72435	< 1.8		UG/L	5/11/92		Methoxychlor
PF-NE-IT-1W	92.03083	8001352	< 2.4		UG/L	5/11/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03083

none

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03084 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NW-IT-1W	92.03084	309002	< 0.04		UG/L	5/11/92		Aldrin
PF-NW-IT-1W	92.03084	319846	< 0.03		UG/L	5/11/92		alpha-BHC
PF-NW-IT-1W	92.03084	319857	< 0.06		UG/L	5/11/92		beta-BHC
PF-NW-IT-1W	92.03084	319868	< 0.09		UG/L	5/11/92		delta-BHC
PF-NW-IT-1W	92.03084	57749	< 0.14		UG/L	5/11/92		Chlordane
PF-NW-IT-1W	92.03084	72548	< 0.11		UG/L	5/11/92		p,p'-DDD
PF-NW-IT-1W	92.03084	72559	< 0.04		UG/L	5/11/92		p,p'-DDE
PF-NW-IT-1W	92.03084	50293	< 0.12		UG/L	5/11/92		p,p'-DDT
PF-NW-IT-1W	92.03084	60571	< 0.02		UG/L	5/11/92		Dieldrin
PF-NW-IT-1W	92.03084	959988	< 0.14		UG/L	5/11/92		Endosulfan I
PF-NW-IT-1W	92.03084	33213659	< 0.04		UG/L	5/11/92		Endosulfan II
PF-NW-IT-1W	92.03084	1031078	< 0.66		UG/L	5/11/92		Endosulfan sulfate
PF-NW-IT-1W	92.03084	72208	< 0.06		UG/L	5/11/92		Endrin
PF-NW-IT-1W	92.03084	7421934	< 0.23		UG/L	5/11/92		Endrin aldehyde
PF-NW-IT-1W	92.03084	76448	< 0.03		UG/L	5/11/92		Heptachlor
PF-NW-IT-1W	92.03084	1024573	< 0.83		UG/L	5/11/92		Heptachlor epoxide
PF-NW-IT-1W	92.03084	58899	< 0.04		UG/L	5/11/92		Lindane
PF-NW-IT-1W	92.03084	72435	< 1.8		UG/L	5/11/92		Methoxychlor
PF-NW-IT-1W	92.03084	8001352	< 2.4		UG/L	5/11/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03084

none

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03085 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-RAD-IT-1W	92.03085	309002	< 0.04		UG/L	5/11/92		Aldrin
PF-RAD-IT-1W	92.03085	319846	< 0.03		UG/L	5/11/92		alpha-BHC
PF-RAD-IT-1W	92.03085	319857	< 0.06		UG/L	5/11/92		beta-BHC
PF-RAD-IT-1W	92.03085	319868	< 0.09		UG/L	5/11/92		delta-BHC
PF-RAD-IT-1W	92.03085	57749	< 0.14		UG/L	5/11/92		Chlordane
PF-RAD-IT-1W	92.03085	72548	< 0.11		UG/L	5/11/92		p,p'-DDD
PF-RAD-IT-1W	92.03085	72559	< 0.04		UG/L	5/11/92		p,p'-DDE
PF-RAD-IT-1W	92.03085	50293	< 0.12		UG/L	5/11/92		p,p'-DDT
PF-RAD-IT-1W	92.03085	60571	< 0.02		UG/L	5/11/92		Dieldrin
PF-RAD-IT-1W	92.03085	959988	< 0.14		UG/L	5/11/92		Endosulfan I
PF-RAD-IT-1W	92.03085	33213659	< 0.04		UG/L	5/11/92		Endosulfan II
PF-RAD-IT-1W	92.03085	1031078	< 0.66		UG/L	5/11/92		Endosulfan sulfate
PF-RAD-IT-1W	92.03085	72208	< 0.06		UG/L	5/11/92		Endrin
PF-RAD-IT-1W	92.03085	7421934	< 0.23		UG/L	5/11/92		Endrin aldehyde
PF-RAD-IT-1W	92.03085	76448	< 0.03		UG/L	5/11/92		Heptachlor
PF-RAD-IT-1W	92.03085	1024573	< 0.83		UG/L	5/11/92		Heptachlor epoxide
PF-RAD-IT-1W	92.03085	58899	< 0.04		UG/L	5/11/92		Lindane
PF-RAD-IT-1W	92.03085	72435	< 1.8		UG/L	5/11/92		Methoxychlor
PF-RAD-IT-1W	92.03085	8001352	< 2.4		UG/L	5/11/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03085

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA PESTICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results

none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.03086 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.03086	309002	< 0.04		UG/L	0.0		5/11/92	UNDER CONTROL	Aldrin
92.03086	319846	< 0.03		UG/L	0.0		5/11/92	UNDER CONTROL	alpha-BHC
92.03086	319857	0.12	0.03	UG/L	0.2	0.02	5/11/92	WARNING 2-3 SIG	beta-BHC
92.03086	319868	< 0.09		UG/L	0.0		5/11/92	UNDER CONTROL	delta-BHC
92.03086	57749	< 0.14		UG/L	0.0		5/11/92	UNDER CONTROL	Chlordane
92.03086	72548	< 0.11		UG/L	0.0		5/11/92	UNDER CONTROL	p,p'-DDD
92.03086	72559	0.14	0.04	UG/L	0.42	0.04	5/11/92	OUT OF CONTROL	p,p'-DDE
92.03086	50293	0.16	0.05	UG/L	0.43	0.04	5/11/92	OUT OF CONTROL	p,p'-DDT
92.03086	60571	< 0.02		UG/L	0.0		5/11/92	UNDER CONTROL	Dieldrin
92.03086	959988	< 0.14		UG/L	0.0		5/11/92	UNDER CONTROL	Endosulfan I
92.03086	33213659	< 0.04		UG/L	0.0		5/11/92	UNDER CONTROL	Endosulfan II
92.03086	1031078	< 0.66		UG/L	0.0		5/11/92	UNDER CONTROL	Endosulfan sulfate
92.03086	72208	0.28	0.07	UG/L	0.41	0.04	5/11/92	UNDER CONTROL	Endrin
92.03086	7421934	< 0.23		UG/L	0.0		5/11/92	UNDER CONTROL	Endrin aldehyde
92.03086	76448	< 0.03		UG/L	0.0		5/11/92	UNDER CONTROL	Heptachlor
92.03086	1024573	< 0.83		UG/L	0.25	0.02	5/11/92	UNDER CONTROL	Heptachlor epoxide
92.03086	58899	0.12	0.03	UG/L	0.24	0.02	5/11/92	OUT OF CONTROL	Lindane
92.03086	72435	< 1.8		UG/L	1.01	0.1	5/11/92	UNDER CONTROL	Methoxychlor
92.03086	8001352	< 2.4		UG/L	0.0		5/11/92	UNDER CONTROL	Toxaphene

********** EM-9 QUALITY ASSURANCE REPORT **********

Surrogate results for EPA PESTICIDES: Dibutyl chlorendate (CAS # = 96); EPA Range Limits: Water = 24 - 150 %, Soil = 24 - 154 %

SAMPLE NUMBER	RESULT	UNITS	COMPLETION DATE	COMMENT	SAMPLE TYPE
00.20226	88.	%	5/11/92		B
00.20226	85.	%	5/11/92		B
00.24612	85.	%	5/11/92		BS
00.24612	92.	%	5/11/92		BS
00.24612	110.	%	5/11/92		BSD
00.24612	71.	%	5/11/92		BSD
92.03083	0.0	%	5/11/92		
92.03084	0.0	NOSURR	5/11/92		
92.03085	0.0	NOSURR	5/11/92		
92.03086	68.	%	5/11/92		

********** EM-9 QUALITY ASSURANCE REPORT **********

REPORT NUMBER: 14148

Analyst	Reviewer	Section Leader	QA Officer
Date	6/5/92 Date	Date	6/23/92 Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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The reports for 14148 - 14151 were rewritten because some of the data was omitted. Internal QC numbers were given to outside lab QC's. This was corrected and the reports were rerun and attached to the old reports. The data results were correct and never changed.

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: DMH on 29-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE: DIANNE

Customer Sample Results, Sample # 92.03083 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1W	92.03083	309002	< 0.04		UG/L	4/03/92		Aldrin
PF-NE-IT-1W	92.03083	319846	< 0.03		UG/L	4/03/92		alpha-BHC
PF-NE-IT-1W	92.03083	319857	< 0.06		UG/L	4/03/92		beta-BHC
PF-NE-IT-1W	92.03083	319868	< 0.09		UG/L	4/03/92		delta-BHC
PF-NE-IT-1W	92.03083	57749	< 0.14		UG/L	4/03/92		Chlordane
PF-NE-IT-1W	92.03083	72548	< 0.11		UG/L	4/03/92		p,p'-DDD
PF-NE-IT-1W	92.03083	72559	< 0.04		UG/L	4/03/92		p,p'-DDE
PF-NE-IT-1W	92.03083	50293	< 0.12		UG/L	4/03/92		p,p'-DDT
PF-NE-IT-1W	92.03083	60571	< 0.02		UG/L	4/03/92		Dieldrin
PF-NE-IT-1W	92.03083	959988	< 0.14		UG/L	4/03/92		Endosulfan I
PF-NE-IT-1W	92.03083	33213659	< 0.04		UG/L	4/03/92		Endosulfan II
PF-NE-IT-1W	92.03083	1031078	< 0.66		UG/L	4/03/92		Endosulfan sulfate
PF-NE-IT-1W	92.03083	72208	< 0.06		UG/L	4/03/92		Endrin
PF-NE-IT-1W	92.03083	7421934	< 0.23		UG/L	4/03/92		Endrin aldehyde
PF-NE-IT-1W	92.03083	76448	< 0.03		UG/L	4/03/92		Heptachlor
PF-NE-IT-1W	92.03083	1024573	< 0.83		UG/L	4/03/92		Heptachlor epoxide
PF-NE-IT-1W	92.03083	58899	< 0.04		UG/L	4/03/92		Lindane
PF-NE-IT-1W	92.03083	72435	< 1.8		UG/L	4/03/92		Methoxychlor
PF-NE-IT-1W	92.03083	8001352	< 2.4		UG/L	4/03/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03083

none

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: DMH on 29-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE: DIANNE

Customer Sample Results, Sample # 92.03084 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NW-IT-1W	92.03084	309002	< 0.04		UG/L	4/03/92		Aldrin
PF-NW-IT-1W	92.03084	319846	< 0.03		UG/L	4/03/92		alpha-BHC
PF-NW-IT-1W	92.03084	319857	< 0.06		UG/L	4/03/92		beta-BHC
PF-NW-IT-1W	92.03084	319868	< 0.09		UG/L	4/03/92		delta-BHC
PF-NW-IT-1W	92.03084	57749	< 0.14		UG/L	4/03/92		Chlordane
PF-NW-IT-1W	92.03084	72548	< 0.11		UG/L	4/03/92		p,p'-DDD
PF-NW-IT-1W	92.03084	72559	< 0.04		UG/L	4/03/92		p,p'-DDE
PF-NW-IT-1W	92.03084	50293	< 0.12		UG/L	4/03/92		p,p'-DDT
PF-NW-IT-1W	92.03084	60571	< 0.02		UG/L	4/03/92		Dieldrin
PF-NW-IT-1W	92.03084	959988	< 0.14		UG/L	4/03/92		Endosulfan I
PF-NW-IT-1W	92.03084	33213659	< 0.04		UG/L	4/03/92		Endosulfan II
PF-NW-IT-1W	92.03084	1031078	< 0.66		UG/L	4/03/92		Endosulfan sulfate
PF-NW-IT-1W	92.03084	72208	< 0.06		UG/L	4/03/92		Endrin
PF-NW-IT-1W	92.03084	7421934	< 0.23		UG/L	4/03/92		Endrin aldehyde
PF-NW-IT-1W	92.03084	76448	< 0.03		UG/L	4/03/92		Heptachlor
PF-NW-IT-1W	92.03084	1024573	< 0.83		UG/L	4/03/92		Heptachlor epoxide
PF-NW-IT-1W	92.03084	58899	< 0.04		UG/L	4/03/92		Lindane
PF-NW-IT-1W	92.03084	72435	< 1.8		UG/L	4/03/92		Methoxychlor
PF-NW-IT-1W	92.03084	8001352	< 2.4		UG/L	4/03/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03084

none

********** EM-9 ANALYTICAL REPORT **********

EPA PESTICIDES Prepared by: DMH on 29-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE: DIANNE

Customer Sample Results, Sample # 92.03085 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-RAD-IT-1W	92.03085	309002	< 0.04		UG/L	4/03/92		Aldrin
PF-RAD-IT-1W	92.03085	319846	< 0.03		UG/L	4/03/92		alpha-BHC
PF-RAD-IT-1W	92.03085	319857	< 0.06		UG/L	4/03/92		beta-BHC
PF-RAD-IT-1W	92.03085	319868	< 0.09		UG/L	4/03/92		delta-BHC
PF-RAD-IT-1W	92.03085	57749	< 0.14		UG/L	4/03/92		Chlordane
PF-RAD-IT-1W	92.03085	72548	< 0.11		UG/L	4/03/92		p,p'-DDD
PF-RAD-IT-1W	92.03085	72559	< 0.04		UG/L	4/03/92		p,p'-DDE
PF-RAD-IT-1W	92.03085	50293	< 0.12		UG/L	4/03/92		p,p'-DDT
PF-RAD-IT-1W	92.03085	60571	< 0.02		UG/L	4/03/92		Dieldrin
PF-RAD-IT-1W	92.03085	959988	< 0.14		UG/L	4/03/92		Endosulfan I
PF-RAD-IT-1W	92.03085	33213659	< 0.04		UG/L	4/03/92		Endosulfan II
PF-RAD-IT-1W	92.03085	1031078	< 0.66		UG/L	4/03/92		Endosulfan sulfate
PF-RAD-IT-1W	92.03085	72208	< 0.06		UG/L	4/03/92		Endrin
PF-RAD-IT-1W	92.03085	7421934	< 0.23		UG/L	4/03/92		Endrin aldehyde
PF-RAD-IT-1W	92.03085	76448	< 0.03		UG/L	4/03/92		Heptachlor
PF-RAD-IT-1W	92.03085	1024573	< 0.83		UG/L	4/03/92		Heptachlor epoxide
PF-RAD-IT-1W	92.03085	58899	< 0.04		UG/L	4/03/92		Lindane
PF-RAD-IT-1W	92.03085	72435	< 1.8		UG/L	4/03/92		Methoxychlor
PF-RAD-IT-1W	92.03085	8001352	< 2.4		UG/L	4/03/92		Toxaphene

Tentatively Identified Compounds in Customer Sample # 92.03085

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA PESTICIDES Prepared by: DMH on 29-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE: DIANNE

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 00.24612 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.24612	00.24612	309002	< 0.04		UG/L	0.0		4/03/92	UNDER CONTROL	Aldrin
00.24612	00.24612	319846	< 0.03		UG/L	0.0		4/03/92	UNDER CONTROL	alpha-BHC
00.24612	00.24612	319857	< 0.06		UG/L	0.0		4/03/92	UNDER CONTROL	beta-BHC
00.24612	00.24612	319868	< 0.09		UG/L	0.0		4/03/92	UNDER CONTROL	delta-BHC
00.24612	00.24612	57749	< 0.14		UG/L	0.0		4/03/92	UNDER CONTROL	Chlordane
00.24612	00.24612	72548	< 0.11		UG/L	0.0		4/03/92	UNDER CONTROL	p,p'-DDD
00.24612	00.24612	72559	< 0.04		UG/L	0.0		4/03/92	UNDER CONTROL	p,p'-DDE
00.24612	00.24612	50293	< 0.12		UG/L	0.0		4/03/92	UNDER CONTROL	p,p'-DDT
00.24612	00.24612	60571	< 0.02		UG/L	0.0		4/03/92	UNDER CONTROL	Dieldrin
00.24612	00.24612	959988	< 0.14		UG/L	0.0		4/03/92	UNDER CONTROL	Endosulfan I
00.24612	00.24612	33213659	< 0.04		UG/L	0.0		4/03/92	UNDER CONTROL	Endosulfan II
00.24612	00.24612	1031078	< 0.66		UG/L	0.0		4/03/92	UNDER CONTROL	Endosulfan sulfate
00.24612	00.24612	72208	< 0.06		UG/L	0.0		4/03/92	UNDER CONTROL	Endrin
00.24612	00.24612	7421934	< 0.23		UG/L	0.0		4/03/92	UNDER CONTROL	Endrin aldehyde
00.24612	00.24612	76448	< 0.03		UG/L	0.0		4/03/92	UNDER CONTROL	Heptachlor
00.24612	00.24612	1024573	< 0.83		UG/L	0.0		4/03/92	UNDER CONTROL	Heptachlor epoxide
00.24612	00.24612	58899	< 0.04		UG/L	0.0		4/03/92	UNDER CONTROL	Lindane
00.24612	00.24612	72435	< 1.8		UG/L	0.0		4/03/92	UNDER CONTROL	Methoxychlor
00.24612	00.24612	8001352	< 2.4		UG/L	0.0		4/03/92	UNDER CONTROL	Toxaphene

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Results, Sample # 00.24612 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.24612	00.24612	309002	0.2	0.21	UG/L	0.0		4/03/92		Aldrin
00.24612	00.24612	319846	0.2	0.17	UG/L	0.0		4/03/92		alpha-BHC
00.24612	00.24612	319857	0.2	0.25	UG/L	0.0		4/03/92		beta-BHC
00.24612	00.24612	319868	0.2	0.26	UG/L	0.0		4/03/92		delta-BHC
00.24612	00.24612	72548	1.	1.2	UG/L	0.0		4/03/92		p,p'-DDD
00.24612	00.24612	72559	0.2	0.21	UG/L	0.0		4/03/92		p,p'-DDE
00.24612	00.24612	50293	1.	1.3	UG/L	0.0		4/03/92		p,p'-DDT
00.24612	00.24612	60571	0.2	0.25	UG/L	0.0		4/03/92		Dieldrin
00.24612	00.24612	959988	0.2	0.31	UG/L	0.0		4/03/92		Endosulfan I
00.24612	00.24612	33213659	1.	1.3	UG/L	0.0		4/03/92		Endosulfan II
00.24612	00.24612	1031078	1.	0.8	UG/L	0.0		4/03/92		Endosulfan sulfate
00.24612	00.24612	72208	0.2	0.17	UG/L	0.0		4/03/92		Endrin
00.24612	00.24612	7421934	0.5	0.57	UG/L	0.0		4/03/92		Endrin aldehyde
00.24612	00.24612	76448	0.2	0.24	UG/L	0.0		4/03/92		Heptachlor
00.24612	00.24612	1024573	1.	1.2	UG/L	0.0		4/03/92		Heptachlor epoxide
00.24612	00.24612	58899	0.2	0.22	UG/L	0.0		4/03/92		Lindane
00.24612	00.24612	72435	3.	3.8	UG/L	0.0		4/03/92		Methoxychlor

********** EM-9 QUALITY ASSURANCE REPORT **********

Blank Spike Duplicate Results, Sample # 00.24612 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.24612	00.24612	309002	0.2	0.22	UG/L	0.0		4/03/92		Aldrin
00.24612	00.24612	319846	0.2	0.23	UG/L	0.0		4/03/92		alpha-BHC
00.24612	00.24612	319857	0.2	0.19	UG/L	0.0		4/03/92		beta-BHC
00.24612	00.24612	319868	0.2	0.18	UG/L	0.0		4/03/92		delta-BHC
00.24612	00.24612	72548	1.	0.95	UG/L	0.0		4/03/92		p,p'-DDD
00.24612	00.24612	72559	0.2	0.17	UG/L	0.0		4/03/92		p,p'-DDE
00.24612	00.24612	50293	1.	1.3	UG/L	0.0		4/03/92		p,p'-DDT
00.24612	00.24612	60571	0.2	0.24	UG/L	0.0		4/03/92		Dieldrin
00.24612	00.24612	959988	0.2	0.3	UG/L	0.0		4/03/92		Endosulfan I
00.24612	00.24612	33213659	1.	1.2	UG/L	0.0		4/03/92		Endosulfan II
00.24612	00.24612	1031078	1.	1.	UG/L	0.0		4/03/92		Endosulfan sulfate
00.24612	00.24612	72208	0.2	0.22	UG/L	0.0		4/03/92		Endrin
00.24612	00.24612	7421934	0.5	0.56	UG/L	0.0		4/03/92		Endrin aldehyde
00.24612	00.24612	76448	0.2	0.24	UG/L	0.0		4/03/92		Heptachlor
00.24612	00.24612	1024573	1.	1.2	UG/L	0.0		4/03/92		Heptachlor epoxide
00.24612	00.24612	58899	0.2	0.22	UG/L	0.0		4/03/92		Lindane
00.24612	00.24612	72435	3.	3.8	UG/L	0.0		4/03/92		Methoxychlor

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.03086 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 4/01/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
92.03086	309002	< 0.04		UG/L	0.0		4/03/92	UNDER CONTROL	Aldrin
92.03086	319846	< 0.03		UG/L	0.0		4/03/92	UNDER CONTROL	alpha-BHC
92.03086	319857	0.12	0.03	UG/L	0.2	0.02	4/03/92	WARNING 2-3 SIG	beta-BHC
92.03086	319868	< 0.09		UG/L	0.0		4/03/92	UNDER CONTROL	delta-BHC
92.03086	57749	< 0.14		UG/L	0.0		4/03/92	UNDER CONTROL	Chlordane
92.03086	72548	< 0.11		UG/L	0.0		4/03/92	UNDER CONTROL	p,p'-DDD
92.03086	72559	0.14	0.04	UG/L	0.42	0.04	4/03/92	OUT OF CONTROL	p,p'-DDE
92.03086	50293	0.16	0.05	UG/L	0.43	0.04	4/03/92	OUT OF CONTROL	p,p'-DDT
92.03086	60571	< 0.02		UG/L	0.0		4/03/92	UNDER CONTROL	Dieldrin
92.03086	959988	< 0.14		UG/L	0.0		4/03/92	UNDER CONTROL	Endosulfan I
92.03086	33213659	< 0.04		UG/L	0.0		4/03/92	UNDER CONTROL	Endosulfan II
92.03086	1031078	< 0.66		UG/L	0.0		4/03/92	UNDER CONTROL	Endosulfan sulfate
92.03086	72208	0.28	0.07	UG/L	0.41	0.04	4/03/92	UNDER CONTROL	Endrin
92.03086	7421934	< 0.23		UG/L	0.0		4/03/92	UNDER CONTROL	Endrin aldehyde
92.03086	76448	< 0.03		UG/L	0.0		4/03/92	UNDER CONTROL	Heptachlor
92.03086	1024573	< 0.83		UG/L	0.25	0.02	4/03/92	UNDER CONTROL	Heptachlor epoxide
92.03086	58899	0.12	0.03	UG/L	0.24	0.02	4/03/92	OUT OF CONTROL	Lindane
92.03086	72435	< 1.8		UG/L	1.01	0.1	4/03/92	UNDER CONTROL	Methoxychlor
92.03086	8001352	< 2.4		UG/L	0.0		4/03/92	UNDER CONTROL	Toxaphene

********** EM-9 QUALITY ASSURANCE REPORT **********

Surrogate results for EPA PESTICIDES: Dibutyl chlorendate (CAS # = 96); EPA Range Limits: Water = 24 - 150 %, Soil = 24 - 154 %

SAMPLE NUMBER	RESULT	UNITS	COMPLETION DATE	COMMENT	SAMPLE TYPE

Surrogate results for EPA PESTICIDES: Dibutyl chlorendate (CAS # = 96); EPA Range Limits: Water = 24 - 150 %, Soil = 24 - 154 %

SAMPLE NUMBER	RESULT	UNITS	COMPLETION DATE	COMMENT	SAMPLE TYPE
00.24612	85.	%	4/03/92		B
00.24612	78.	%	4/03/92		BS
00.24612	92.	%	4/03/92		BS
00.24612	71.	%	4/03/92		BSD
00.24612	110.	%	4/03/92		BSD
92.03083	0.0	%	4/03/92		
92.03084	0.0	NOSURR	4/03/92		
92.03085	0.0	NOSURR	4/03/92		
92.03086	68.	%	4/03/92		

REPORT NUMBER: 14369

Analyst	Reviewer	Section Leader	QA Officer
			mag
Date	Date	Date	7/1/92 Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

****

INTERNATIONAL TECHNOLOGY CORPORATION

CASE NARRATIVE

IT Corporation - Los Alamos
557 Oppenheimer Road
Suite 200
Los Alamos, New Mexico 87545

April 16, 1992

Attention: Dr. Sylvan Hersh

Purchase Order Number: 92-019

This is a case narrative for the following:

Project Number : 281.02
Date Received by Lab: March 18, 1992
Number of Samples : Twelve (12)
Sample Matrix : see below

I. Introduction

On March 18, 1992, six soil samples and six water samples were received at ITAS - St. Louis from TA-53 LAMPF Lagoons Site at Los Alamos National Laboratory. The following is a list of the samples received, analyses requested, along with the ITAS - St. Louis identification numbers, and the matrix for each sample:

CLIENT ID	ITAS ID	MATRIX	ANALYSES REQUESTED
92.03083	1922-001	Water	Herb, Pest, pH
92.03084	1922-002	Water	Herb, Pest, pH
92.03085	1922-003	Water	Herb, Pest, pH
92.03086	1922-004	Water	Pest
92.03087	1922-005	Water	Herb
92.03088	1922-006	Water	pH
92.03089	1922-007	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03090	1922-008	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03091	1922-009	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03092	1922-010	Soil	Pest
92.03093	1922-011	Soil	Herb
92.03094	1922-012	Soil	Cyn, Sulfide

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

II. Analytical Results/Methodology

USEPA methods published in SW-846 (3rd Edition, Revision 0) were followed in the analysis these samples. Organochlorine pesticides were analyzed by Method 8080 (no PCB analysis was requested), and Method 8150 was followed to analyze for the chlorinated herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP (silvex). The results are presented in the attached "CLP" package, with modifications made to the pesticide forms to reflect the requirements of the SW 846 method. The herbicide package follows the general requirements for GC Chlorinated Herbicides Final Reports which was provided by LANL. CLP organics conventions have been used in presenting and flagging data.

Sulfide was analyzed by EPA method 9040; pH by EPA method 9040 for water samples and EPA method 9045 for soil samples; cyanide by EPA method 335.2 (CLP-modified); and flashpoint by EPA method 1010. The results are presented in the enclosed summary reports.

III. Quality Control

(A) Pesticides/Herbicides

Sample 92.03089 (1922-007) was chosen for matrix spike/matrix spike duplicate analysis. In addition, duplicate Laboratory Control Samples (blank spikes) were prepared and analyzed with the samples, as well as a method blank for these analyses. A CLP convention has been followed in presenting the quality control data, and no sample results have been adjusted to reflect QC sample recoveries.

(B) Wet Chemistry

Method blanks, Laboratory Control Samples (blank spikes), matrix spikes and duplicates were performed for cyanide and sulfide analyses. A method blank, Laboratory Control Sample (blank spike) and duplicate were performed for pH. A Laboratory Control Sample (blank spike) and duplicate were performed for the flashpoint analysis.

Sample 92.03089 (1922-007) was chosen for the duplicate and matrix spike analysis.

All samples were extracted and analyzed with the required SW-846 holding times.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

IV. Analysis Comments

(A) Herbicide Analysis

SW-846 Practical Quantitation Limits (PQL's) have been used as reporting limits for this project. However, we have found that on our instrumentation, the normal dilution factor for Method 8150 (50 g. or 1000 ml. going to 10 ml. final extract) results in extracts with levels at the PQL which are at least 50 times higher than the normal calibration range. Therefore, for these analyses, a dilution factor of 50 will lead to detection limits at the PQL when 50 grams of soil or 1000 ml. of water are used.

Sample 1922-005 was not supplied in a large enough quantity to use the protocol amount of water for extraction (only 485 ml available). 2,4-D was detected and confirmed in this sample at 2.3 µg/L. This is not reported on the Form I for this sample because the volume of sample used for extraction caused the detection limit to be increased from 1.2 to 2.5 µg/L.

(B) Pesticide Analysis

The pesticide samples were run in two analytical sequences. The first sequence, beginning on March 30, 1992, included an initial calibration for all pesticides and analysis of all water samples. The daily calibration run after the water samples was out of control for toxaphene. The sequence included the soil method blank, the soil Laboratory Control Samples, and sample 92.03092, all run after the failed toxaphene standard. Those soil samples were quantitated from this sequence for all analytes except toxaphene.

The second analytical sequence, started on April 2, 1992, included reanalyses of the soil method blank and sample 92.03092, which were used for the analysis of toxaphene. We did not consider it necessary to reanalyze the Laboratory Control Samples, which were not spiked with toxaphene, and the dilution of sample 92.03092. The additional soil samples were also analyzed in this second sequence for all target pesticides.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

(B) Pesticide Analysis (con't)

Because of sample matrix interferences, concentrations or detection limits given for each sample on the Form I's may not come from a single run which covers every compound. Attached to this narrative is an Appendix consisting of a table showing the data file numbers for each run used for quantifying the individual target compounds for each sample. In some cases both the primary and secondary column may have contributed to the total list of compounds in a single sample.

Sample 92.03089 and its matrix, matrix/spike duplicate needed a 1:5 dilution for quantitation of 4,4'-DDE and Endosulfan II. Both the original and diluted runs are are submitted.

Because of the low range of the heptachlor epoxide calibration, soil sample 92.03092 contained heptachlor epoxide above the calibration range when run undiluted. The diluted run showed the compound (confirmed) but below the detection limit for the dilution. This is shown as a positive hit on the Form I with a flag to show that it is below the detection limit.

Because of the number of compounds involved and possible coelution, each Laboratory Control Sample consists of two separate extracts, giving a total of four samples for each LCS pair. Therefore, the samples PSPK01A and PSPK01B together represent one LCS, while PSPK01C and PSPK01D make up the duplicate. The same numbering system is used for the soil LCS's (PSPK02 series).

(C) Wet Chemistry Analyses

Flashpoint results are not included for sample 92.03094 as requested on client chain of custody. There was not enough sample submitted for this analysis.

Additional comments regarding the analysis of pH, sulfide, cyanide, and flashpoint are included in the enclosed summary reports.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

I certify that these analysis results are in compliance with the terms and conditions of the contact, both technically and for completeness, with the exception of the items detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory manager or his designee, as verified by the following signature.

Reviewed and Approved:

for Robert E. White
Project Manager

INTERNATIONAL TECHNOLOGY CORPORATION

Memorandum

To: Dr. John Miglio
Los Alamos National Laboratories

Date: 04/20/92

From: Bob White
ITAS-St. Louis

Subject:

TA-53 LAMPF Lagoons --- Samples

Please find the enclosed laboratory raw data for:

Cyanide EPA 335.2
Sulfide EPA 376.1
pH 9040 (water)
pH 9045 (soil)
Flashpoint EPA 1010

The sample no./lab. I.D.'s will correspond to the client I.D.'s per the case narrative.

Please call me direct if you have any questions or comments at 314-298-8566.

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12627

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0003

Request date: 17-Mar-1992 Completion date: 17-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 17-Mar-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature Sandra Vanessa Flores Date: 17-Mar-1992 Total No. received: 3 + 2QC

Matrix	Initial SN		Final SN	# Received
W	92.03086	to	92.03086	1
W	92.03087	to	92.03087	1
WW	92.03083	to	92.03085	3

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12627	92.03083	PF-NE-IT-1W	3/17/92
12627	92.03084	PF-NW-IT-1W	3/17/92
12627	92.03085	PF-RAD-IT-1W	3/17/92
12627	92.03086	00.24617	3/17/92
12627	92.03087	00.24616	3/17/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12627

****

Program code: W21D Task ID number: Request date: 17-Mar-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.03086	to	92.03086
W	92.03087	to	92.03087
WW	92.03083	to	92.03085

Section	Analysis	Technique	Analyst	Due-date
O	HERBICIDES	GCEC	203	4/17/92
O	PESTICIDES	GCEC	203	4/17/92

REMARKS:

TA-53 LAMPF LAGOONS
SAMPLES DELIVERED TO TA-50; ANALYSIS CONTRACTED TO IT CORP.

92.03083 TO 92.03085 = ALL ANALYSIS
SET A = PESTICIDES
SET B = HERBICIDES

QCS:
92.03086 = PESTICIDES
92.03087 = HERBICIDES

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12629

****

I. PRESAMPLING CONFERENCE: Organic Section

Program code: W21D Task ID #: No. Samples Expected: 0003

Request date: 17-Mar-1992 Completion date: 17-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 17-Mar-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature Sandra K. Nieves Flores Date: 17-Mar-1992 Total No. received: 3, 2CS

Matrix	Initial SN		Final SN	# Received
C	92.03089	to	92.03091	3
C	92.03092	to	92.03092	1
C	92.03093	to	92.03093	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12629	92.03089	PF-NE-IT-1S	3/17/92
12629	92.03090	PF-NW-IT-1S	3/17/92
12629	92.03091	PF-RAD-IT-1S	3/17/92
12629	92.03092	00.24615	3/17/92
12629	92.03093	00.24614	3/17/92

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12629

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Program code: W21D Task ID number: Request date: 17-Mar-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.03089	to	92.03091
C	92.03092	to	92.03092
C	92.03093	to	92.03093

Section	Analysis	Technique	Analyst	Due-date
O	HERBICIDES	GCEC	203	4/17/92
O	PESTICIDES	GCEC	203	4/17/92

REMARKS:

TA-53 LAMPF LAGOONS
SAMPLES DELIVERED TO TA-50; ANALYSIS CONTRACTED TO IT CORP.

92.03089 TO 92.03091 = ALL ANALYSIS

QCS:
92.03092 = PESTICIDES
92.03093 = HERBICIDES

********** EM-9 ANALYTICAL REPORT **********

EPA HERBICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03083 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 3/15/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	ppb UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NE-IT-1W	92.03083	94757	< 1.3		UG/L	5/13/92		2,4-D
PF-NE-IT-1W	92.03083	93765	< 0.22		UG/L	5/13/92		2,4,5-T
PF-NE-IT-1W	92.03083	93721	< 0.18		UG/L	5/13/92		2,4,5-TP

Tentatively Identified Compounds in Customer Sample # 92.03083

none

********** EM-9 ANALYTICAL REPORT **********

EPA HERBICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03084 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: Date Analyzed:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-NW-IT-1W	92.03084	94757	< 1.3		UG/L	5/13/92		2,4-D
PF-NW-IT-1W	92.03084	93765	< 0.21		UG/L	5/13/92		2,4,5-T
PF-NW-IT-1W	92.03084	93721	< 0.18		UG/L	5/13/92		2,4,5-TP

Tentatively Identified Compounds in Customer Sample # 92.03084

none

********** EM-9 ANALYTICAL REPORT **********

EPA HERBICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

Customer Sample Results, Sample # 92.03085 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-RAD-IT-1W	92.03085	94757	< 1.3		UG/L	5/13/92		2,4-D
PF-RAD-IT-1W	92.03085	93765	< 0.21		UG/L	5/13/92		2,4,5-T
PF-RAD-IT-1W	92.03085	93721	< 0.18		UG/L	5/13/92		2,4,5-TP

Tentatively Identified Compounds in Customer Sample # 92.03085

none

********** EM-9 QUALITY ASSURANCE REPORT **********

EPA HERBICIDES Prepared by: ESG on 3-Jun-1992

REQUEST NUMBER: 12627 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D NOTEBOOK: PAGE:

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815 TECHNIQUE: GCEC ANALYTICAL PROCEDURE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QA SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLANK QC SAMPLES RUN WITH THIS BATCH

Blank Results, Sample # 00.20226 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 3/26/92

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
00.20226	00.20226	94757	< 1.2		UG/L	0.0		5/15/92	UNDER CONTROL	2,4-D
00.20226	00.20226	93765	< 0.2		UG/L	0.0		5/15/92	UNDER CONTROL	2,4,5-T
00.20226	00.20226	93721	< 0.17		UG/L	0.0		5/15/92	UNDER CONTROL	2,4,5-TP

Blank Spike Results: none

Blank Spike Duplicate Results: none

********** EM-9 QUALITY ASSURANCE REPORT **********

SUMMARY OF CONTROL STATUS OF BLIND QA SAMPLES RUN WITH THIS BATCH

Blind QC Results, Sample # 92.03087 Date Collected: 3/17/92 Date Received: 3/17/92 Date Extracted: 3/20/92 Date Analyzed: 3/26/92

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND NAME
92.03087	94757	< 2.5		UG/L	1.21	0.12	5/13/92	UNDER CONTROL	2,4-D
92.03087	93765	0.46	0.1	UG/L	0.45	0.04	5/13/92	UNDER CONTROL	2,4,5-T
92.03087	93721	0.43	0.12	UG/L	0.38	0.04	5/13/92	UNDER CONTROL	2,4,5-TP

REPORT NUMBER: 14150

Analyst	Reviewer	Section Leader	QA Officer
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

****

INTERNATIONAL TECHNOLOGY CORPORATION

CASE NARRATIVE

IT Corporation - Los Alamos
557 Oppenheimer Road
Suite 200
Los Alamos, New Mexico 87545

April 16, 1992

Attention: Dr. Sylvan Hersh

Purchase Order Number: 92-019

This is a case narrative for the following:

Project Number : 281.02
Date Received by Lab: March 18, 1992
Number of Samples : Twelve (12)
Sample Matrix : see below

I. Introduction

On March 18, 1992, six soil samples and six water samples were received at ITAS - St. Louis from TA-53 LAMPF Lagoons Site at Los Alamos National Laboratory. The following is a list of the samples received, analyses requested, along with the ITAS - St. Louis identification numbers, and the matrix for each sample:

CLIENT ID	ITAS ID	MATRIX	ANALYSES REQUESTED
92.03083	1922-001	Water	Herb, Pest, pH
92.03084	1922-002	Water	Herb, Pest, pH
92.03085	1922-003	Water	Herb, Pest, pH
92.03086	1922-004	Water	Pest
92.03087	1922-005	Water	Herb
92.03088	1922-006	Water	pH
92.03089	1922-007	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03090	1922-008	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03091	1922-009	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03092	1922-010	Soil	Pest
92.03093	1922-011	Soil	Herb
92.03094	1922-012	Soil	Cyn, Sulfide

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

II. Analytical Results/Methodology

USEPA methods published in SW-846 (3rd Edition, Revision 0) were followed in the analysis these samples. Organochlorine pesticides were analyzed by Method 8080 (no PCB analysis was requested), and Method 8150 was followed to analyze for the chlorinated herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP (silvex). The results are presented in the attached "CLP" package, with modifications made to the pesticide forms to reflect the requirements of the SW 846 method. The herbicide package follows the general requirements for GC Chlorinated Herbicides Final Reports which was provided by LANL. CLP organics conventions have been used in presenting and flagging data.

Sulfide was analyzed by EPA method 9040; pH by EPA method 9040 for water samples and EPA method 9045 for soil samples; cyanide by EPA method 335.2 (CLP-modified); and flashpoint by EPA method 1010. The results are presented in the enclosed summary reports.

III. Quality Control

(A) Pesticides/Herbicides

Sample 92.03089 (1922-007) was chosen for matrix spike/matrix spike duplicate analysis. In addition, duplicate Laboratory Control Samples (blank spikes) were prepared and analyzed with the samples, as well as a method blank for these analyses. A CLP convention has been followed in presenting the quality control data, and no sample results have been adjusted to reflect QC sample recoveries.

(B) Wet Chemistry

Method blanks, Laboratory Control Samples (blank spikes), matrix spikes and duplicates were performed for cyanide and sulfide analyses. A method blank, Laboratory Control Sample (blank spike) and duplicate were performed for pH. A Laboratory Control Sample (blank spike) and duplicate were performed for the flashpoint analysis.

Sample 92.03089 (1922-007) was chosen for the duplicate and matrix spike analysis.

All samples were extracted and analyzed with the required SW-846 holding times.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

IV. Analysis Comments

(A) Herbicide Analysis

SW-846 Practical Quantitation Limits (PQL's) have been used as reporting limits for this project. However, we have found that on our instrumentation, the normal dilution factor for Method 8150 (50 g. or 1000 ml. going to 10 ml. final extract) results in extracts with levels at the PQL which are at least 50 times higher than the normal calibration range. Therefore, for these analyses, a dilution factor of 50 will lead to detection limits at the PQL when 50 grams of soil or 1000 ml. of water are used.

Sample 1922-005 was not supplied in a large enough quantity to use the protocol amount of water for extraction (only 485 ml available). 2,4-D was detected and confirmed in this sample at 2.3 µg/L. This is not reported on the Form I for this sample because the volume of sample used for extraction caused the detection limit to be increased from 1.2 to 2.5 µg/L.

(B) Pesticide Analysis

The pesticide samples were run in two analytical sequences. The first sequence, beginning on March 30, 1992, included an initial calibration for all pesticides and analysis of all water samples. The daily calibration run after the water samples was out of control for toxaphene. The sequence included the soil method blank, the soil Laboratory Control Samples, and sample 92.03092, all run after the failed toxaphene standard. Those soil samples were quantitated from this sequence for all analytes except toxaphene.

The second analytical sequence, started on April 2, 1992, included reanalyses of the soil method blank and sample 92.03092, which were used for the analysis of toxaphene. We did not consider it necessary to reanalyze the Laboratory Control Samples, which were not spiked with toxaphene, and the dilution of sample 92.03092. The additional soil samples were also analyzed in this second sequence for all target pesticides.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

(B) Pesticide Analysis (con't)

Because of sample matrix interferences, concentrations or detection limits given for each sample on the Form I's may not come from a single run which covers every compound. Attached to this narrative is an Appendix consisting of a table showing the data file numbers for each run used for quantifying the individual target compounds for each sample. In some cases both the primary and secondary column may have contributed to the total list of compounds in a single sample.

Sample 92.03089 and its matrix, matrix/spike duplicate needed a 1:5 dilution for quantitation of 4,4'-DDE and Endosulfan II. Both the original and diluted runs are are submitted.

Because of the low range of the heptachlor epoxide calibration, soil sample 92.03092 contained heptachlor epoxide above the calibration range when run undiluted. The diluted run showed the compound (confirmed) but below the detection limit for the dilution. This is shown as a positive hit on the Form I with a flag to show that it is below the detection limit.

Because of the number of compounds involved and possible coelution, each Laboratory Control Sample consists of two separate extracts, giving a total of four samples for each LCS pair. Therefore, the samples PSPK01A and PSPK01B together represent one LCS, while PSPK01C and PSPK01D make up the duplicate. The same numbering system is used for the soil LCS's (PSPK02 series).

(C) Wet Chemistry Analyses

Flashpoint results are not included for sample 92.03094 as requested on client chain of custody. There was not enough sample submitted for this analysis.

Additional comments regarding the analysis of pH, sulfide, cyanide, and flashpoint are included in the enclosed summary reports.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

I certify that these analysis results are in compliance with the terms and conditions of the contact, both technically and for completeness, with the exception of the items detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory manager or his designee, as verified by the following signature.

Reviewed and Approved:

for Robert E. White
Project Manager

INTERNATIONAL TECHNOLOGY CORPORATION

Memorandum

To: Dr. John Miglio
Los Alamos National Laboratories

Date: 04/20/92

From: Bob White
ITAS-St. Louis

Subject:

TA-53 LAMPF Lagoons --- Samples

Please find the enclosed laboratory raw data for:

Cyanide EPA 335.2
Sulfide EPA 376.1
pH 9040 (water)
pH 9045 (soil)
Flashpoint EPA 1010

The sample no./lab. I.D.'s will correspond to the client I.D.'s per the case narrative.

Please call me direct if you have any questions or comments at 314-298-8566.

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12630

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21D Task ID #: No. Samples Expected: 0003

Request date: 17-Mar-1992 Completion date: 17-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 17-Mar-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 17-Mar-1992 Total No. received: 3 + 1 QC

Matrix	Initial SN		Final SN	# Received
C	92.03089	to	92.03091	3
C	92.03094	to	92.03094	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12630	92.03089	PF-NE-IT-1S	3/17/92
12630	92.03090	PF-NW-IT-1S	3/17/92
12630	92.03091	PF-RAD-IT-1S	3/17/92
12630	92.03094	00.24618	3/17/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12630

****

Program code: W21D Task ID number: Request date: 17-Mar-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.03089	to	92.03091
C	92.03094	to	92.03094

Section	Analysis	Technique	Analyst	Due-date
I	CN	ACOLR	203	4/17/92
I	CORR	GRAV	203	4/17/92
I	FLASHPT	FP	203	4/17/92
I	S	ACOLR	203	4/17/92

REMARKS:

TA-53 LAMPF LAGOONS
SAMPLES DELIVERED TO TA-50; ANALYSIS CONTRACTED TO IT CORP

92.03089 TO 92.03091 = ALL ANALYSIS
SET A = CORROSIVITY
SET B = CN, S, FLASHPT

QC:
92.03094 = CN, S

INTERNATIONAL TECHNOLOGY CORPORATION

Memorandum

To: Alice Barr
Los Alamos National Laboratory

Date: 07/28/92

From: Bob White REW
ITAS-St. Louis

Subject: TA-53 Sewage Lagoons Site
Flashpoint/ignitability Analytical Report

The results reported for these samples indicate that the flame was extinguished by sample vapors at a specific temperature (see attached report). The assumption was made that if the flame was extinguished by sample vapors at the specified temperature and the vapors did not ignite, that the vapors would also extinguish the flame at other temperatures.

However, the flame was not exposed to the sample at 60° Centigrade and I can only state that the sample is not ignitable at the specified temperature.

We do not believe you will be required to meet an ignitability requirement on soils or solids according to our interpretation and response from the RCRA hotline. According to the RCRA hotline, there is no standard analytical method for the ignitability of solids. The ignitability of solids depend on generator knowledge of the wastes. They refer you to 40 CFR 261.21A2 Characteristic of ignitability.

(a) A solid waste exhibits the characteristic of ignitability if a representative sample of the waste has any of the following properties:

(2) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burns so vigorously and persistently that it creates a hazard.

Clients request ignitability on soils and other solids even though we generally advise them that there is not an official EPA method for performing ignitability on solids. To prevent appearing to be unresponsive to our clients, we perform the analysis as our own modified method for solids, SOP 4039.

I apologize for any inconvenience this has caused you and your associates. Please call me direct if you have any questions or comments at 314-298-8566 or the RCRA Hotline at 703-821-4789.

IT Corporation - Los Alamos
557 Oppenheimer Road
Suite 200
Los Alamos, New Mexico 87545

PROJECT NUMBER: 281.02

PARAMETER: FLASHPOINT
METHOD: EPA 1010
MATRIX: Soil

REPORT DATE : 04/15/92
SAMPLE DATE : 03/15/92
DATE RECEIVED: 03/18/92

CLIENT ID	ITAS ID	DATE ANALYZED	DEGREES C
92.03089	1922-007	03/26/92	* 37.5
92.03089	1922-007 DUP	03/26/92	* 43.0
92.03090	1922-008	03/26/92	* 38.0
92.03091	1922-009	03/26/92	* 41.5
NA	QC LCS 12541	03/26/92	27.5

* Flame extinguished by sample vapors at this temperature.

NOTES: NA=NOT APPLICABLE, ND=NOT DETECTED

REPORT NUMBER: 13891

********** EM-9 ANALYTICAL REPORT **********

Prepared by: ESG on 6-May-1992

ANALYSIS: FLASHPT REQUEST NUMBER: 12630 MATRIX: C ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: FP ANALYTICAL PROCEDURE: EPA 1010 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	> 37.5		DEG. C	4/24/92	
PF-NW-IT-1S	92.03090	> 38.		DEG. C	4/24/92	
PF-RAD-IT-1S	92.03091	> 41.5		DEG. C	4/24/92	

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	> 43.		DEG. C	4/24/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: ESG on 6-May-1992

REQUEST NUMBER: 12630 MATRIX: C ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this sample batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

There were no blind Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Open (non-blind) QC samples run with this sample batch.

X No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 13891

Commercial Firm		ESG
Analyst	Section Leader	QA Officer
Signatures on File		5/6/92
Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

****

INTERNATIONAL TECHNOLOGY CORPORATION

CASE NARRATIVE

IT Corporation - Los Alamos
557 Oppenheimer Road
Suite 200
Los Alamos, New Mexico 87545

April 16, 1992

Attention: Dr. Sylvan Hersh

Purchase Order Number: 92-019

This is a case narrative for the following:

Project Number : 281.02
Date Received by Lab: March 18, 1992
Number of Samples : Twelve (12)
Sample Matrix : see below

I. Introduction

On March 18, 1992, six soil samples and six water samples were received at ITAS - St. Louis from TA-53 LAMPF Lagoons Site at Los Alamos National Laboratory. The following is a list of the samples received, analyses requested, along with the ITAS - St. Louis identification numbers, and the matrix for each sample:

CLIENT ID	ITAS ID	MATRIX	ANALYSES REQUESTED
92.03083	1922-001	Water	Herb, Pest, pH
92.03084	1922-002	Water	Herb, Pest, pH
92.03085	1922-003	Water	Herb, Pest, pH
92.03086	1922-004	Water	Pest
92.03087	1922-005	Water	Herb
92.03088	1922-006	Water	pH
92.03089	1922-007	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03090	1922-008	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03091	1922-009	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03092	1922-010	Soil	Pest
92.03093	1922-011	Soil	Herb
92.03094	1922-012	Soil	Cyn, Sulfide

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

II. Analytical Results/Methodology

USEPA methods published in SW-846 (3rd Edition, Revision 0) were followed in the analysis these samples. Organochlorine pesticides were analyzed by Method 8080 (no PCB analysis was requested), and Method 8150 was followed to analyze for the chlorinated herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP (silvex). The results are presented in the attached "CLP" package, with modifications made to the pesticide forms to reflect the requirements of the SW 846 method. The herbicide package follows the general requirements for GC Chlorinated Herbicides Final Reports which was provided by LANL. CLP organics conventions have been used in presenting and flagging data.

Sulfide was analyzed by EPA method 9040; pH by EPA method 9040 for water samples and EPA method 9045 for soil samples; cyanide by EPA method 335.2 (CLP-modified); and flashpoint by EPA method 1010. The results are presented in the enclosed summary reports.

III. Quality Control

(A) Pesticides/Herbicides

Sample 92.03089 (1922-007) was chosen for matrix spike/matrix spike duplicate analysis. In addition, duplicate Laboratory Control Samples (blank spikes) were prepared and analyzed with the samples, as well as a method blank for these analyses. A CLP convention has been followed in presenting the quality control data, and no sample results have been adjusted to reflect QC sample recoveries.

(B) Wet Chemistry

Method blanks, Laboratory Control Samples (blank spikes), matrix spikes and duplicates were performed for cyanide and sulfide analyses. A method blank, Laboratory Control Sample (blank spike) and duplicate were performed for pH. A Laboratory Control Sample (blank spike) and duplicate were performed for the flashpoint analysis.

Sample 92.03089 (1922-007) was chosen for the duplicate and matrix spike analysis.

All samples were extracted and analyzed with the required SW-846 holding times.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

IV. Analysis Comments

(A) Herbicide Analysis

SW-846 Practical Quantitation Limits (PQL's) have been used as reporting limits for this project. However, we have found that on our instrumentation, the normal dilution factor for Method 8150 (50 g. or 1000 ml. going to 10 ml. final extract) results in extracts with levels at the PQL which are at least 50 times higher than the normal calibration range. Therefore, for these analyses, a dilution factor of 50 will lead to detection limits at the PQL when 50 grams of soil or 1000 ml. of water are used.

Sample 1922-005 was not supplied in a large enough quantity to use the protocol amount of water for extraction (only 485 ml available). 2,4-D was detected and confirmed in this sample at 2.3 µg/L. This is not reported on the Form I for this sample because the volume of sample used for extraction caused the detection limit to be increased from 1.2 to 2.5 µg/L.

(B) Pesticide Analysis

The pesticide samples were run in two analytical sequences. The first sequence, beginning on March 30, 1992, included an initial calibration for all pesticides and analysis of all water samples. The daily calibration run after the water samples was out of control for toxaphene. The sequence included the soil method blank, the soil Laboratory Control Samples, and sample 92.03092, all run after the failed toxaphene standard. Those soil samples were quantitated from this sequence for all analytes except toxaphene.

The second analytical sequence, started on April 2, 1992, included reanalyses of the soil method blank and sample 92.03092, which were used for the analysis of toxaphene. We did not consider it necessary to reanalyze the Laboratory Control Samples, which were not spiked with toxaphene, and the dilution of sample 92.03092. The additional soil samples were also analyzed in this second sequence for all target pesticides.

(B) Pesticide Analysis (con't)

Because of sample matrix interferences, concentrations or detection limits given for each sample on the Form I's may not come from a single run which covers every compound. Attached to this narrative is an Appendix consisting of a table showing the data file numbers for each run used for quantifying the individual target compounds for each sample. In some cases both the primary and secondary column may have contributed to the total list of compounds in a single sample.

Sample 92.03089 and its matrix, matrix/spike duplicate needed a 1:5 dilution for quantitation of 4,4'-DDE and Endosulfan II. Both the original and diluted runs are are submitted.

Because of the low range of the heptachlor epoxide calibration, soil sample 92.03092 contained heptachlor epoxide above the calibration range when run undiluted. The diluted run showed the compound (confirmed) but below the detection limit for the dilution. This is shown as a positive hit on the Form I with a flag to show that it is below the detection limit.

Because of the number of compounds involved and possible coelution, each Laboratory Control Sample consists of two separate extracts, giving a total of four samples for each LCS pair. Therefore, the samples PSPK01A and PSPK01B together represent one LCS, while PSPK01C and PSPK01D make up the duplicate. The same numbering system is used for the soil LCS's (PSPK02 series).

(C) Wet Chemistry Analyses

Flashpoint results are not included for sample 92.03094 as requested on client chain of custody. There was not enough sample submitted for this analysis.

Additional comments regarding the analysis of pH, sulfide, cyanide, and flashpoint are included in the enclosed summary reports.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

I certify that these analysis results are in compliance with the terms and conditions of the contact, both technically and for completeness, with the exception of the items detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory manager or his designee, as verified by the following signature.

Reviewed and Approved:

for Robert E. White
Project Manager

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12628

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21D Task ID #: No. Samples Expected: 0003

Request date: 17-Mar-1992 Completion date: 17-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 17-Mar-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature Sandra Kinnero Stone Date: 17-Mar-1992 Total No. received: 3 + 1 QC

Matrix	Initial SN		Final SN	# Received
W	92.03088	to	92.03088	1
WW	92.03083	to	92.03085	3

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12628	92.03083	PF-NE-IT-W1	3/17/92
12628	92.03084	PF-NW-IT-W1	3/17/92
12628	92.03085	PF-RAD-IT-W1	3/17/92
12628	92.03088	00.24453	3/17/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12628

****

Program code: W21D Task ID number: Request date: 17-Mar-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.03088	to	92.03088
WW	92.03083	to	92.03085

Section	Analysis	Technique	Analyst	Due-date
I	CORR	GRAV	203	4/17/92

REMARKS:

TA-53 LAMPF LAGOONS
SAMPLES DELIVERED TO TA-50; ANALYSIS CONTRACTED TO IT CORP.

92.03083 TO 92.03085 = CORROSIVITY

QC:
92.03088 = CORROSIVITY

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12630

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21D Task ID #: No. Samples Expected: 0003

Request date: 17-Mar-1992 Completion date: 17-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 17-Mar-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 17-Mar-1992 Total No. received: 3 + 1 QC

Matrix	Initial SN		Final SN	# Received
C	92.03089	to	92.03091	3
C	92.03094	to	92.03094	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12630	92.03089	PF-NE-IT-1S	3/17/92
12630	92.03090	PF-NW-IT-1S	3/17/92
12630	92.03091	PF-RAD-IT-1S	3/17/92
12630	92.03094	00.24618	3/17/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12630

****

Program code: W21D Task ID number: Request date: 17-Mar-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.03089	to	92.03091
C	92.03094	to	92.03094

Section	Analysis	Technique	Analyst	Due-date
I	CN	ACOLR	203	4/17/92
I	CORR	GRAV	203	4/17/92
I	FLASHPT	FP	203	4/17/92
I	S	ACOLR	203	4/17/92

REMARKS:

TA-53 LAMPF LAGOONS
SAMPLES DELIVERED TO TA-50; ANALYSIS CONTRACTED TO IT CORP

92.03089 TO 92.03091 = ALL ANALYSIS
SET A = CORROSIVITY
SET B = CN, S, FLASHPT

QC:
92.03094 = CN, S

INTERNATIONAL TECHNOLOGY CORPORATION

Memorandum

To: Dr. John Miglio
Los Alamos National Laboratories

Date: 04/20/92

From: Bob White RCW
ITAS-St. Louis

Subject: TA-53 LAMPF Lagoons --- Samples

Please find the enclosed laboratory raw data for:

Cyanide EPA 335.2
Sulfide EPA 376.1
pH 9040 (water)
pH 9045 (soil)
Flashpoint EPA 1010

The sample no./lab. I.D.'s will correspond to the client I.D.'s per the case narrative.

Please call me direct if you have any questions or comments at 314-298-8566.

********** EM-9 ANALYTICAL REPORT **********

Prepared by: ESG on 6-May-1992

ANALYSIS: PH REQUEST NUMBER: 12630 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: GE ANALYTICAL PROCEDURE: EPA 9045 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	7.98	0.1	UNITS	4/24/92	
PF-NW-IT-1S	92.03090	7.49	0.1	UNITS	4/24/92	
PF-RAD-IT-1S	92.03091	8.	0.1	UNITS	4/24/92	

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	7.94	0.1	UNITS	4/24/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: ESG on 6-May-1992

REQUEST NUMBER: 12630 MATRIX: S ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

___ Only Blind QC samples run with this sample batch.

___ No QC samples run with this sample batch.

X No QC samples for this constituent and matrix type available within EM-9

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

There were no blind Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

___ Only Open (non-blind) QC samples run with this sample batch.

___ No QC samples run with this sample batch.

X No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 13892

Analyst	Section Leader	QA Officer
Commercial Firm		
Date	Date	Date
Signatures on File		5/6/92

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

****

********** EM-9 ANALYTICAL REPORT **********

Prepared by: ESG on 6-May-1992

ANALYSIS: PH REQUEST NUMBER: 12628 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: GE ANALYTICAL PROCEDURE: EPA 9040 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1W	92.03083	8.99	0.1	UNITS	4/24/92	
PF-NW-IT-1W	92.03084	7.62	0.1	UNITS	4/24/92	
PF-RAD-IT-1W	92.03085	9.88	0.1	UNITS	4/24/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: ESG on 6-May-1992

REQUEST NUMBER: 12628 MATRIX: WW ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

___ Only Blind QC samples run with this sample batch.

X No QC samples run with this sample batch.

___ No QC samples for this constituent and matrix type available within EM-9

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

REPORT NUMBER: 13894

Analyst	Section Leader	QA Officer
Commercial Firm		ESG
Date	Date	Date
Signatures on File		5/6/92

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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INTERNATIONAL TECHNOLOGY CORPORATION

CASE NARRATIVE

IT Corporation - Los Alamos
557 Oppenheimer Road
Suite 200
Los Alamos, New Mexico 87545

April 16, 1992

Attention: Dr. Sylvan Hersh

Purchase Order Number: 92-019

This is a case narrative for the following:

Project Number : 281.02
Date Received by Lab: March 18, 1992
Number of Samples : Twelve (12)
Sample Matrix : see below

I. Introduction

On March 18, 1992, six soil samples and six water samples were received at ITAS - St. Louis from TA-53 LAMPF Lagoons Site at Los Alamos National Laboratory. The following is a list of the samples received, analyses requested, along with the ITAS - St. Louis identification numbers, and the matrix for each sample:

CLIENT ID	ITAS ID	MATRIX	ANALYSES REQUESTED
92.03083	1922-001	Water	Herb, Pest, pH
92.03084	1922-002	Water	Herb, Pest, pH
92.03085	1922-003	Water	Herb, Pest, pH
92.03086	1922-004	Water	Pest
92.03087	1922-005	Water	Herb
92.03088	1922-006	Water	pH
92.03089	1922-007	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03090	1922-008	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03091	1922-009	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03092	1922-010	Soil	Pest
92.03093	1922-011	Soil	Herb
92.03094	1922-012	Soil	Cyn, Sulfide

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

II. Analytical Results/Methodology

USEPA methods published in SW-846 (3rd Edition, Revision 0) were followed in the analysis these samples. Organochlorine pesticides were analyzed by Method 8080 (no PCB analysis was requested), and Method 8150 was followed to analyze for the chlorinated herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP (silvex). The results are presented in the attached "CLP" package, with modifications made to the pesticide forms to reflect the requirements of the SW 846 method. The herbicide package follows the general requirements for GC Chlorinated Herbicides Final Reports which was provided by LANL. CLP organics conventions have been used in presenting and flagging data.

Sulfide was analyzed by EPA method 9040; pH by EPA method 9040 for water samples and EPA method 9045 for soil samples; cyanide by EPA method 335.2 (CLP-modified); and flashpoint by EPA method 1010. The results are presented in the enclosed summary reports.

III. Quality Control

(A) Pesticides/Herbicides

Sample 92.03089 (1922-007) was chosen for matrix spike/matrix spike duplicate analysis. In addition, duplicate Laboratory Control Samples (blank spikes) were prepared and analyzed with the samples, as well as a method blank for these analyses. A CLP convention has been followed in presenting the quality control data, and no sample results have been adjusted to reflect QC sample recoveries.

(B) Wet Chemistry

Method blanks, Laboratory Control Samples (blank spikes), matrix spikes and duplicates were performed for cyanide and sulfide analyses. A method blank, Laboratory Control Sample (blank spike) and duplicate were performed for pH. A Laboratory Control Sample (blank spike) and duplicate were performed for the flashpoint analysis.

Sample 92.03089 (1922-007) was chosen for the duplicate and matrix spike analysis.

All samples were extracted and analyzed with the required SW-846 holding times.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

IV. Analysis Comments

(A) Herbicide Analysis

SW-846 Practical Quantitation Limits (PQL's) have been used as reporting limits for this project. However, we have found that on our instrumentation, the normal dilution factor for Method 8150 (50 g. or 1000 ml. going to 10 ml. final extract) results in extracts with levels at the PQL which are at least 50 times higher than the normal calibration range. Therefore, for these analyses, a dilution factor of 50 will lead to detection limits at the PQL when 50 grams of soil or 1000 ml. of water are used.

Sample 1922-005 was not supplied in a large enough quantity to use the protocol amount of water for extraction (only 485 ml available). 2,4-D was detected and confirmed in this sample at 2.3 µg/L. This is not reported on the Form I for this sample because the volume of sample used for extraction caused the detection limit to be increased from 1.2 to 2.5 µg/L.

(B) Pesticide Analysis

The pesticide samples were run in two analytical sequences. The first sequence, beginning on March 30, 1992, included an initial calibration for all pesticides and analysis of all water samples. The daily calibration run after the water samples was out of control for toxaphene. The sequence included the soil method blank, the soil Laboratory Control Samples, and sample 92.03092, all run after the failed toxaphene standard. Those soil samples were quantitated from this sequence for all analytes except toxaphene.

The second analytical sequence, started on April 2, 1992, included reanalyses of the soil method blank and sample 92.03092, which were used for the analysis of toxaphene. We did not consider it necessary to reanalyze the Laboratory Control Samples, which were not spiked with toxaphene, and the dilution of sample 92.03092. The additional soil samples were also analyzed in this second sequence for all target pesticides.

(B) Pesticide Analysis (con't)

Because of sample matrix interferences, concentrations or detection limits given for each sample on the Form I's may not come from a single run which covers every compound. Attached to this narrative is an Appendix consisting of a table showing the data file numbers for each run used for quantifying the individual target compounds for each sample. In some cases both the primary and secondary column may have contributed to the total list of compounds in a single sample.

Sample 92.03089 and its matrix, matrix/spike duplicate needed a 1:5 dilution for quantitation of 4,4'-DDE and Endosulfan II. Both the original and diluted runs are are submitted.

Because of the low range of the heptachlor epoxide calibration, soil sample 92.03092 contained heptachlor epoxide above the calibration range when run undiluted. The diluted run showed the compound (confirmed) but below the detection limit for the dilution. This is shown as a positive hit on the Form I with a flag to show that it is below the detection limit.

Because of the number of compounds involved and possible coelution, each Laboratory Control Sample consists of two separate extracts, giving a total of four samples for each LCS pair. Therefore, the samples PSPK01A and PSPK01B together represent one LCS, while PSPK01C and PSPK01D make up the duplicate. The same numbering system is used for the soil LCS's (PSPK02 series).

(C) Wet Chemistry Analyses

Flashpoint results are not included for sample 92.03094 as requested on client chain of custody. There was not enough sample submitted for this analysis.

Additional comments regarding the analysis of pH, sulfide, cyanide, and flashpoint are included in the enclosed summary reports.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

I certify that these analysis results are in compliance with the terms and conditions of the contact, both technically and for completeness, with the exception of the items detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory manager or his designee, as verified by the following signature.

Reviewed and Approved:

for Robert E. White
Project Manager

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12630

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21D Task ID #: No. Samples Expected: 0003

Request date: 17-Mar-1992 Completion date: 17-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 17-Mar-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 17-Mar-1992 Total No. received: 3 + 1 QC

Matrix	Initial SN		Final SN	# Received
C	92.03089	to	92.03091	3
C	92.03094	to	92.03094	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12630	92.03089	PF-NE-IT-1S	3/17/92
12630	92.03090	PF-NW-IT-1S	3/17/92
12630	92.03091	PF-RAD-IT-1S	3/17/92
12630	92.03094	00.24618	3/17/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12630

****

Program code: W21D Task ID number: Request date: 17-Mar-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.03089	to	92.03091
C	92.03094	to	92.03094

Section	Analysis	Technique	Analyst	Due-date
I	CN	ACOLR	203	4/17/92
I	CORR	GRAV	203	4/17/92
I	FLASHPT	FP	203	4/17/92
I	S	ACOLR	203	4/17/92

REMARKS:

TA-53 LAMPF LAGOONS
SAMPLES DELIVERED TO TA-50; ANALYSIS CONTRACTED TO IT CORP

92.03089 TO 92.03091 = ALL ANALYSIS
SET A = CORROSIVITY
SET B = CN, S, FLASHPT

QC:
92.03094 = CN, S

INTERNATIONAL TECHNOLOGY CORPORATION

Memorandum

To: Dr. John Miglio
Los Alamos National Laboratories

Date: 04/20/92

From: Bob White BEW
ITAS-St. Louis

Subject:

TA-53 LAMPF Lagoons --- Samples

Please find the enclosed laboratory raw data for:

Cyanide EPA 335.2
Sulfide EPA 376.1
pH 9040 (water)
pH 9045 (soil)
Flashpoint EPA 1010

The sample no./lab. I.D.'s will correspond to the client I.D.'s per the case narrative.

Please call me direct if you have any questions or comments at 314-298-8566.

REPORT NUMBER: 13895

********** EM-9 ANALYTICAL REPORT **********

Prepared by: ESG on 6-May-1992

ANALYSIS: SULFIDE REQUEST NUMBER: 12630 MATRIX: C ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: TITR ANALYTICAL PROCEDURE: EPA 376.1 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	38.2	9.6	UG/G	4/24/92	
PF-NW-IT-1S	92.03090	112.	28.	UG/G	4/24/92	
PF-RAD-IT-1S	92.03091	20.9	5.2	UG/G	4/24/92	

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	41.2	10.3	UG/G	4/24/92	

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER SAMPLE MATRIX SPIKES :

CUSTOMER NUMBER	SAMPLE NUMBER	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	174.	149.	UG/G	4/24/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: ESG on 6-May-1992

REQUEST NUMBER: 12630 MATRIX: C ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

____ Only qualitative data requested

____ Only Blind QC samples run with this sample batch.

____ No QC samples run with this sample batch.

____ No QC samples for this constituent and matrix type available within EM-9

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

The following analyst QC's have no CV data for comparison

CUSTOMER NUM	SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
00.24618	92.03094	57.5	14.4	UG/G	4/24/92	NO DATA AVAIL.

REPORT NUMBER: 13895

Commercial Firm
Analyst

Section Leader

ESB
QA Officer

Signatures on File
Date

Date

5/6/92
Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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INTERNATIONAL TECHNOLOGY CORPORATION

CASE NARRATIVE

IT Corporation - Los Alamos
557 Oppenheimer Road
Suite 200
Los Alamos, New Mexico 87545

April 16, 1992

Attention: Dr. Sylvan Hersh

Purchase Order Number: 92-019

This is a case narrative for the following:

Project Number : 281.02
Date Received by Lab: March 18, 1992
Number of Samples : Twelve (12)
Sample Matrix : see below

I. Introduction

On March 18, 1992, six soil samples and six water samples were received at ITAS - St. Louis from TA-53 LAMPF Lagoons Site at Los Alamos National Laboratory. The following is a list of the samples received, analyses requested, along with the ITAS - St. Louis identification numbers, and the matrix for each sample:

CLIENT ID	ITAS ID	MATRIX	ANALYSES REQUESTED
92.03083	1922-001	Water	Herb, Pest, pH
92.03084	1922-002	Water	Herb, Pest, pH
92.03085	1922-003	Water	Herb, Pest, pH
92.03086	1922-004	Water	Pest
92.03087	1922-005	Water	Herb
92.03088	1922-006	Water	pH
92.03089	1922-007	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03090	1922-008	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03091	1922-009	Soil	Cyn, Flpt, Herb, Pest, pH, Sulfide
92.03092	1922-010	Soil	Pest
92.03093	1922-011	Soil	Herb
92.03094	1922-012	Soil	Cyn, Sulfide

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

II. Analytical Results/Methodology

USEPA methods published in SW-846 (3rd Edition, Revision 0) were followed in the analysis these samples. Organochlorine pesticides were analyzed by Method 8080 (no PCB analysis was requested), and Method 8150 was followed to analyze for the chlorinated herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP (silvex). The results are presented in the attached "CLP" package, with modifications made to the pesticide forms to reflect the requirements of the SW 846 method. The herbicide package follows the general requirements for GC Chlorinated Herbicides Final Reports which was provided by LANL. CLP organics conventions have been used in presenting and flagging data.

Sulfide was analyzed by EPA method 9040; pH by EPA method 9040 for water samples and EPA method 9045 for soil samples; cyanide by EPA method 335.2 (CLP-modified); and flashpoint by EPA method 1010. The results are presented in the enclosed summary reports.

III. Quality Control

(A) Pesticides/Herbicides

Sample 92.03089 (1922-007) was chosen for matrix spike/matrix spike duplicate analysis. In addition, duplicate Laboratory Control Samples (blank spikes) were prepared and analyzed with the samples, as well as a method blank for these analyses. A CLP convention has been followed in presenting the quality control data, and no sample results have been adjusted to reflect QC sample recoveries.

(B) Wet Chemistry

Method blanks, Laboratory Control Samples (blank spikes), matrix spikes and duplicates were performed for cyanide and sulfide analyses. A method blank, Laboratory Control Sample (blank spike) and duplicate were performed for pH. A Laboratory Control Sample (blank spike) and duplicate were performed for the flashpoint analysis.

Sample 92.03089 (1922-007) was chosen for the duplicate and matrix spike analysis.

All samples were extracted and analyzed with the required SW-846 holding times.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

IV. Analysis Comments

(A) Herbicide Analysis

SW-846 Practical Quantitation Limits (PQL's) have been used as reporting limits for this project. However, we have found that on our instrumentation, the normal dilution factor for Method 8150 (50 g. or 1000 ml. going to 10 ml. final extract) results in extracts with levels at the PQL which are at least 50 times higher than the normal calibration range. Therefore, for these analyses, a dilution factor of 50 will lead to detection limits at the PQL when 50 grams of soil or 1000 ml. of water are used.

Sample 1922-005 was not supplied in a large enough quantity to use the protocol amount of water for extraction (only 485 ml available). 2,4-D was detected and confirmed in this sample at 2.3 µg/L. This is not reported on the Form I for this sample because the volume of sample used for extraction caused the detection limit to be increased from 1.2 to 2.5 µg/L.

(B) Pesticide Analysis

The pesticide samples were run in two analytical sequences. The first sequence, beginning on March 30, 1992, included an initial calibration for all pesticides and analysis of all water samples. The daily calibration run after the water samples was out of control for toxaphene. The sequence included the soil method blank, the soil Laboratory Control Samples, and sample 92.03092, all run after the failed toxaphene standard. Those soil samples were quantitated from this sequence for all analytes except toxaphene.

The second analytical sequence, started on April 2, 1992, included reanalyses of the soil method blank and sample 92.03092, which were used for the analysis of toxaphene. We did not consider it necessary to reanalyze the Laboratory Control Samples, which were not spiked with toxaphene, and the dilution of sample 92.03092. The additional soil samples were also analyzed in this second sequence for all target pesticides.

(B) Pesticide Analysis (con't)

Because of sample matrix interferences, concentrations or detection limits given for each sample on the Form I's may not come from a single run which covers every compound. Attached to this narrative is an Appendix consisting of a table showing the data file numbers for each run used for quantifying the individual target compounds for each sample. In some cases both the primary and secondary column may have contributed to the total list of compounds in a single sample.

Sample 92.03089 and its matrix, matrix/spike duplicate needed a 1:5 dilution for quantitation of 4,4'-DDE and Endosulfan II. Both the original and diluted runs are are submitted.

Because of the low range of the heptachlor epoxide calibration, soil sample 92.03092 contained heptachlor epoxide above the calibration range when run undiluted. The diluted run showed the compound (confirmed) but below the detection limit for the dilution. This is shown as a positive hit on the Form I with a flag to show that it is below the detection limit.

Because of the number of compounds involved and possible coelution, each Laboratory Control Sample consists of two separate extracts, giving a total of four samples for each LCS pair. Therefore, the samples PSPK01A and PSPK01B together represent one LCS, while PSPK01C and PSPK01D make up the duplicate. The same numbering system is used for the soil LCS's (PSPK02 series).

(C) Wet Chemistry Analyses

Flashpoint results are not included for sample 92.03094 as requested on client chain of custody. There was not enough sample submitted for this analysis.

Additional comments regarding the analysis of pH, sulfide, cyanide, and flashpoint are included in the enclosed summary reports.

Los Alamos National Laboratories
April 16, 1992
Project Number 281.02

I certify that these analysis results are in compliance with the terms and conditions of the contact, both technically and for completeness, with the exception of the items detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory manager or his designee, as verified by the following signature.

Reviewed and Approved:

for Robert E. White
Project Manager

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12630

****

I. PRESAMPLING CONFERENCE: Inorganic Section

Program code: W21D Task ID #: No. Samples Expected: 0003

Request date: 17-Mar-1992 Completion date: 17-Apr-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 17-Mar-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 17-Mar-1992 Total No. received: 3 + 1 QC

Matrix	Initial SN		Final SN	# Received
C	92.03089	to	92.03091	3
C	92.03094	to	92.03094	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12630	92.03089	PF-NE-IT-1S	3/17/92
12630	92.03090	PF-NW-IT-1S	3/17/92
12630	92.03091	PF-RAD-IT-1S	3/17/92
12630	92.03094	00.24618	3/17/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12630

****

Program code: W21D

Task ID number:

Customer initials: PRF

Customer phone: 7-0815

Request date: 17-Mar-1992

MS: K490

MATRIX	Initial		Final
C	92.03089	to	92.03091
C	92.03094	to	92.03094

Section	Analysis	Technique	Analyst	Due-date
I	CN	ACOLR	203	4/17/92
I	CORR	GRAV	203	4/17/92
I	FLASHPT	FP	203	4/17/92
I	S	ACOLR	203	4/17/92

REMARKS:

TA-53 LAMPF LAGOONS
SAMPLES DELIVERED TO TA-50; ANALYSIS CONTRACTED TO IT CORP

92.03089 TO 92.03091 = ALL ANALYSIS
SET A = CORROSIVITY
SET B = CN, S, FLASHPT

QC:

92.03094 = CN, S

INTERNATIONAL TECHNOLOGY CORPORATION

Memorandum

To: Dr. John Miglio
Los Alamos National Laboratories

Date: 04/20/92

From: Bob White
ITAS-St. Louis

Subject:

TA-53 LAMPF Lagoons --- Samples

Please find the enclosed laboratory raw data for:

Cyanide EPA 335.2
Sulfide EPA 376.1
pH 9040 (water)
pH 9045 (soil)
Flashpoint EPA 1010

The sample no./lab. I.D.'s will correspond to the client I.D.'s per the case narrative.

Please call me direct if you have any questions or comments at 314-298-8566.

REPORT NUMBER: 13896

********** EM-9 ANALYTICAL REPORT **********

Prepared by: ESG on 6-May-1992

ANALYSIS: CN REQUEST NUMBER: 12630 MATRIX: C ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: ACOLR ANALYTICAL PROCEDURE: EPA 335.2 NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	< 0.78		UG/G	4/24/92	
PF-NW-IT-1S	92.03090	< 0.87		UG/G	4/24/92	
PF-RAD-IT-1S	92.03091	< 0.62		UG/G	4/24/92	

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	< 0.78		UG/G	4/24/92	

********** EM-9 ANALYTICAL REPORT **********

CUSTOMER SAMPLE MATRIX SPIKES :

CUSTOMER NUMBER	SAMPLE NUMBER	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT
PF-NE-IT-1S	92.03089	15.5	14.3	UG/G	4/24/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: ESG on 6-May-1992

REQUEST NUMBER: 12630 MATRIX: C ANALYST: 203 PROGRAM CODE: W21D

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

There were no open (non-blind) Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

X Only Blind QC samples run with this sample batch.

___ No QC samples run with this sample batch.

___ No QC samples for this constituent and matrix type available within EM-9

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.03094	1.48	0.7	UG/G	5.	0.5	4/24/92	OUT OF CONTROL

REPORT NUMBER: 13896

Commercial Firm
Analyst

Section Leader

ESG
QA Officer

Signatures on File
Date

Date

~~5/6/91~~ ESG
Date
5/6/92

No Sample Discrepancies Noted by Sample Management Section

* control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

Amended

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12771

****

I. PRESAMPLING CONFERENCE: Radiochemistry Section

Program code: W21M Task ID #: No. Samples Expected: 0001

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: NONE Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freequez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 MS: K490 Date: 21-Apr-1992

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II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 4 + 1 QC

Matrix	Initial SN		Final SN	# Received
W	92.04885	to	92.04885	1
W	92.05004	to	92.05004	1
W	92.05119	to	92.05119	1
W	92.05222	to	92.05222	1
W	92.05223	to	92.05223	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12771	92.04885	53-NW-O-W	4/13/92
12771	92.05004	53-NE-Y-W	4/14/92
12771	92.05119	00.24487	2/12/92
12771	92.05222	53-NW-W	4/15/92
12771	92.05223	53-NE-W	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12771

****

Program code: W21M Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.04885	to	92.04885
W	92.05004	to	92.05004
W	92.05119	to	92.05119
W	92.05222	to	92.05222
W	92.05223	to	92.05223

Section	Analysis	Technique	Analyst	Due-date
R	ALPHA	PC	GB	7/13/92
R	BETA	PC	GB	7/13/92
R	GAMMA	G	GB	7/13/92
R	H-3	LS	RJP	7/13/92

REMARKS:

TA-53 LAGOONS --- WATERS
CAUTION: THESE SAMPLES ARE A BIOHAZARD!!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04885, 92.05004 = ALPHA, BETA, GAMMA
92.05222, 92.05223 = H-3 ONLY!!!!

QC:
92.05119 = ALPHA, BETA

CHGED INCORRECT SN # 92.05005 TO 92.05004 SUBMITTED FOR
SUBMITTED FOR ALPHA, BETA AND GAMMA (04/21/92)

Superceded by Amended Request (see Remarks 4/21/92)

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12771

****

I. PRESAMPLING CONFERENCE: Radiochemistry Section

Program code: W21M Task ID #: No. Samples Expected: 0001

Request date: 13-Apr-1992 Completion date: 13-May-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: NONE Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 [redacted] Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 4 + 1 QC

Matrix	Initial SN		Final SN	# Received
W	92.04885	to	92.04885	1
W	92.05005	to	92.05005	1
W	92.05119	to	92.05119	1
W	92.05222	to	92.05222	1
W	92.05223	to	92.05223	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12771	92.04885	53-NW-O-W	4/13/92
12771	92.05005	53-NE-Y-W-QA	4/14/92
12771	92.05119	00.24487	2/12/92
12771	92.05222	53-NW-W	4/15/92
12771	92.05223	53-NE-W	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12771

****

Program code: W21M Task ID number: Request date: 13-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.04885	to	92.04885
W	92.05005	to	92.05005
W	92.05119	to	92.05119
W	92.05222	to	92.05222
W	92.05223	to	92.05223

Section	Analysis	Technique	Analyst	Due-date
R	ALPHA	PC	GB	7/13/92
R	BETA	PC	GB	7/13/92
R	GAMMA	G	GB	7/13/92
R	H-3	LS	RJP	7/13/92

REMARKS:

TA-53 LAGOONS --- WATERS
CAUTION: THESE SAMPLES ARE A BIOHAZARD!!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

92.04885, 92.05005 = ALPHA, BETA, GAMMA
92.05222, 92.05223 = H-3 ONLY!!!!

QC:
92.05119 = ALPHA, BETA

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12795

****

I. PRESAMPLING CONFERENCE: Radiochemistry Section

Program code: W21M Task ID #: No. Samples Expected: 0002

Request date: 16-Apr-1992 Completion date: 16-Jul-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Freequez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-08[redacted]] Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 2

Matrix	Initial SN		Final SN	# Received
C	92.05220	to	92.05221	2

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12795	92.05220	53-NW-OUTLET	4/15/92
12795	92.05221	53-NE-OUTLET	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12795

****

Program code: W21M Task ID number: Request date: 16-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.05220	to	92.05221

Section	Analysis	Technique	Analyst	Due-date
R	ALPHA	PC	GB	7/16/92
R	BETA	PC	GB	7/16/92
R	GAMMA	G	GB	7/16/92

REMARKS:

TA-53 LAGOONS -- SLUDGE
CAUTION: THESE SAMPLES ARE A BIOHAZARD!!!!!
SAMPLES HAVE BEEN SCREENED; COUNTS BELOW BACKGROUND

****

HSE-9 ANALYTICAL SERVICE AGREEMENT REQUEST-NUMBER: 12785

****

I. PRESAMPLING CONFERENCE: Radiochemistry Section

Program code: W21M Task ID #: No. Samples Expected: 0001

Request date: 15-Apr-1992 Completion date: 15-Jul-1992

Chain of Custody: YES Special protocol: NONE

Container Type: GLASS Preservative: NONE Storage Conditions: NONE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
NONE

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: [redacted]uez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-081[redacted] Date: 15-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 15-Apr-1992 Total No. received: 1

Matrix	Initial SN		Final SN	# Received
C	92.05126	to	92.05126	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12785	92.05126	53-SC-L1-S	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST REQUEST-NUMBER: 12785

****

Program code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
C	92.05126	to	92.05126

Section	Analysis	Technique	Analyst	Due-date
R	ALPHA	PC	TDF	7/15/92
R	BETA	PC	TDF	7/15/92
R	GAMMA	G	TDF	7/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!

ELEVATED RAD COUNT (ALPHA); CHECK WITH SECTION LEADER FOR DATA

****

HSE-9 ANALYTICAL SERVICE AGREEMENT

REQUEST-NUMBER: 12788

****

I. PRESAMPLING CONFERENCE: Radiochemistry Section

Program code: W21M Task ID #: No. Samples Expected: 0003

Request date: 15-Apr-1992 Completion date: 15-Jun-1992

Chain of Custody: YES Special protocol: NONE

Container Type: POLYETHYLENE Preservative: KEEP @ 4 DEG C Storage Conditions: REFRIGERATE

(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples)

Sample Hazards Present:
RADIOACTIVE - MIXED

Sample Disposal: DISCARD (All hazardous samples or TRU wastes will be returned to the Customer.)

Customer: Philip R. Fresquez HSE_9 SECTION LEADER: SCF

Customer initials: PRF Customer phone: 7-0815 [redacted] Date: 16-Apr-1992

==========

II. EMERGENCY SAMPLES: Priority 3 Emergency status REQUIRES the following approvals:

Customer Group Leader _____ HSE-9 Group Leader _____ Date _____

==========

III. SAMPLE RECEIPT

Signature [illegible] Date: 16-Apr-1992 Total No. received: 2

Matrix	Initial SN		Final SN	# Received
W	92.05154	to	92.05154	1
W	92.05155	to	92.05155	1

Translation table of HSE-9/Customer numbers will be provided by Sample-Receiving and appear on each final data report

REQ	SAM NUM	CUST NUM	SAMPLE COLLECTION DATE
12788	92.05154	53-SC-G1-W	4/15/92
12788	92.05155	53-SC-G1-W-Q	4/15/92

****

HSE-9 ANALYTICAL CHEMISTRY REQUEST

REQUEST-NUMBER: 12788

****

Program code: W21M Task ID number: Request date: 15-Apr-1992

Customer initials: PRF Customer phone: 7-0815 MS: K490

MATRIX	Initial		Final
W	92.05154	to	92.05154
W	92.05155	to	92.05155

Section	Analysis	Technique	Analyst	Due-date
R	ALPHA	PC	TDF	6/15/92
R	BETA	PC	TDF	6/15/92
R	GAMMA	G	TDF	6/15/92
R	H-3	LS	TDF	6/15/92

REMARKS:

TA-53 LAGOONS -- SOUTH
CAUTION: SAMPLES ARE A BIOHAZARD!!!
ELEVATED RAD COUNTS (ALPHA); SEE APEL FOR DATA

92.05154 = H-3 ONLY!!!!!
SET B

92.05155 = ALL ANALYSIS
SET A = ALPHA, BETA, GAMMA
SET B = H-3

REPORT NUMBER: 13762

TA-53

********** EM-9 ANALYTICAL REPORT **********

Prepared by: TDF on 22-Apr-1992

REQUEST NUMBER: 12785 MATRIX: C ANALYST: TERRY FILER PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: PC ANALYTICAL PROCEDURE: WR150 NOTEBOOK: A10769 PAGE: 34

CUSTOMER SAMPLES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-L1-S	92.05126	ALPHA	4.1	0.4	NCI/G	4/22/92	TA53 LAG SLUDGE
53-SC-L1-S	92.05126	BETA	160.	10.	PCI/G	4/22/92	TA53 LAG SLUDGE
53-SC-L1-S	92.05126	GAMMA	780.	90.	PCI/G	4/22/92	TA53 LAG SLUDGE

****

4.1 x 1000 = 4,100 pCi/g

REPORT NUMBER: 13762 (continued)

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: TDF on 22-Apr-1992

REQUEST NUMBER: 12785 MATRIX: C ANALYST: TERRY FILER PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

NOTEBOOK: A10769 PAGE: 34

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.98841	ALPHA	56.	6.	NCI/L	51.	5.	4/22/92	UNDER CONTROL
00.98841	BETA	61.	6.	NCI/L	62.	6.	4/22/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

There were no blind Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

___ Only Open (non-blind) QC samples run with this sample batch.

___ No QC samples run with this sample batch.

X No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 13762

TDF	CJQ	mag
Analyst	Section Leader	QA Officer
4/22/92	4/22/92	4-23-92
Date	Date	Date

Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in

REPORT NUMBER: 14827

********** EM-9 ANALYTICAL REPORT **********

Prepared by: YIG on 11-Aug-1992

REQUEST NUMBER: 12795 MATRIX: C ANALYST: GEORGE BROOKS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: PC ANALYTICAL PROCEDURE: NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-OUTLET	92.05220	ALPHA	6.	1.	PCI/G	8/10/92	
53-NW-OUTLET	92.05220	BETA	3.1	0.4	PCI/G	8/10/92	
53-NE-OUTLET	92.05221	ALPHA	4.2	1.	PCI/G	8/10/92	
53-NE-OUTLET	92.05221	BETA	130.	10.	PCI/G	8/10/92	

****

REPORT NUMBER: 14827 (continued)

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: YIG on 11-Aug-1992

REQUEST NUMBER: 12795 MATRIX: C ANALYST: GEORGE BROOKS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

NOTEBOOK: PAGE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.98008	ALPHA	11.	2.	PCI/L	11.	5.	8/10/92	UNDER CONTROL
00.98008	ALPHA	8.	2.	PCI/L	11.	5.	8/10/92	UNDER CONTROL
00.98008	BETA	10.	1.	PCI/L	11.	5.	8/10/92	UNDER CONTROL
00.98008	BETA	6.3	0.7	PCI/L	11.	5.	8/10/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

There were no blind Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

X Only Open (non-blind) QC samples run with this sample batch.

___ No QC samples run with this sample batch.

___ No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 14827

Yig		D Knab	mag
Analyst	Reviewer	Section Leader	QA Officer
8/11/92	8/11/92	8-11-92	8-11-92
Date	Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

********** EM-9 ANALYTICAL REPORT **********

Prepared by: YIG on 4-Aug-1992

ANALYSIS: GAMMA REQUEST NUMBER: 12795 MATRIX: C ANALYST: GEORGE BROOKS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: G ANALYTICAL PROCEDURE: NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-OUTLET	92.05220	16.	2.	PCI/G	8/04/92	
53-NE-OUTLET	92.05221	280.	30.	PCI/G	8/04/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: YIG on 4-Aug-1992

REQUEST NUMBER: 12795 MATRIX: C ANALYST: GEORGE BROOKS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.00761	180.	20.	PCI/G	219.	11.	8/04/92	UNDER CONTROL
00.00761	190.	20.	PCI/G	219.	11.	8/04/92	UNDER CONTROL
00.00761	190.	20.	PCI/G	219.	11.	8/04/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

There were no blind Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

X Only Open (non-blind) QC samples run with this sample batch.

___ No QC samples run with this sample batch.

___ No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 14752

Analyst	Reviewer	Section Leader	QA Officer
8/4/92	8/5/92	8-6-92	8-6-92
Date	Date	Date	Date

o Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

********** EM-9 ANALYTICAL REPORT **********

Prepared by: BATES on 8-May-1992

ANALYSIS: H-3 REQUEST NUMBER: 12771 MATRIX: W ANALYST: RICHARD PETERS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: LS ANALYTICAL PROCEDURE: NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-W	92.05222	2200.	400.	PCI/L	5/07/92	
53-NE-W	92.05223	5000.	700.	PCI/L	5/07/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: BATES on 8-May-1992

REQUEST NUMBER: 12771 MATRIX: W ANALYST: RICHARD PETERS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.23790	100.	300.	PCI/L	0.0		5/07/92	UNDER CONTROL
00.23792	18600.	1300.	PCI/L	17427.	349.	5/07/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
92.04244	0.0	300.	PCI/L	0.0		5/07/92	UNDER CONTROL
92.04672	900.	300.	PCI/L	0.0		5/07/92	OUT OF CONTROL
92.04673	600.	300.	PCI/L	0.0		5/07/92	WARNING 2-3 SIG

REPORT NUMBER: 13914

Analyst	Section Leader	QA Officer
11/12/92	5-14-92	5/14/92
Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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REPORT NUMBER: 13852

********** EM-9 ANALYTICAL REPORT **********

Prepared by: YIG on 30-Apr-1992

REQUEST NUMBER: 12771 MATRIX: W ANALYST: GEORGE BROOKS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: PC ANALYTICAL PROCEDURE: NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-O-W	92.04885	ALPHA	13.	3.	PCI/L	4/30/92	
53-NW-O-W	92.04885	BETA	67.	7.	PCI/L	4/30/92	
53-NE-Y-W	92.05004	ALPHA	2.3	0.9	PCI/L	4/30/92	
53-NE-Y-W	92.05004	BETA	140.	10.	PCI/L	4/30/92	

****

REPORT NUMBER: 13852 (continued)

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: YIG on 30-Apr-1992

REQUEST NUMBER: 12771 MATRIX: W ANALYST: GEORGE BROOKS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

NOTEBOOK: PAGE:

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.98008	ALPHA	8.	2.	PCI/L	11.	5.	4/30/92	UNDER CONTROL
00.98008	ALPHA	12.	3.	PCI/L	11.	5.	4/30/92	UNDER CONTROL
00.98008	ALPHA	12.	3.	PCI/L	11.	5.	4/30/92	UNDER CONTROL
00.98008	BETA	10.	1.	PCI/L	11.	5.	4/30/92	UNDER CONTROL
.98008	BETA	6.8	0.8	PCI/L	11.	5.	4/30/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

There were no blind Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

X Only Open (non-blind) QC samples run with this sample batch.

___ No QC samples run with this sample batch.

___ No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 13852

Yig	D Kuak	mag
Analyst	Section Leader	QA Officer
4/30/92	5-1-92	5-1-92
Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

REPORT NUMBER: 13729

********** EM-9 ANALYTICAL REPORT **********

Prepared by: YIG on 21-Apr-1992

ANALYSIS: GAMMA REQUEST NUMBER: 12771 MATRIX: W ANALYST: GEORGE BROOKS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: G ANALYTICAL PROCEDURE: NOTEBOOK: PAGE:

CUSTOMER SAMPLES:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-NW-O-W	92.04885	300.	200.	PCI/L	4/20/92	
53-NE-Y-W-QA	92.05005	600.	200.	PCI/L	4/20/92	

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: YIG on 21-Apr-1992

REQUEST NUMBER: 12771 MATRIX: W ANALYST: GEORGE BROOKS PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.00760	1300.	200.	PCI/L	1360.	68.	4/20/92	UNDER CONTROL
00.00760	1500.	200.	PCI/L	1360.	68.	4/20/92	UNDER CONTROL
00.00760	1200.	200.	PCI/L	1360.	68.	4/20/92	UNDER CONTROL

ARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

There were no blind Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

✓ Only Open (non-blind) QC samples run with this sample batch.

___ No QC samples run with this sample batch.

___ No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 13729

Yig | GB
Analyst

D Knab
Section Leader

NK for MAG
QA Officer

4/20/92
Date

4-21-92
Date

4/21/92
Date

o Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

REPORT NUMBER: 13767

********** EM-9 ANALYTICAL REPORT **********

Prepared by: TDF on 23-Apr-1992

REQUEST NUMBER: 12788 MATRIX: W ANALYST: TERRY FILER PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

ANALYTICAL TECHNIQUE: LS ANALYTICAL PROCEDURE: WR200 NOTEBOOK: A000047 PAGE: 79

CUSTOMER SAMPLES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-W	92.05154	H-3	2.26	0.07	UCI/L	4/23/92	TA53 LAG WATER 2,260,000.
53-SC-G1-W-Q	92.05155	ALPHA	< 50.		PCI/L	4/23/92	TA53 LAG WATER
53-SC-G1-W-Q	92.05155	BETA	16.9	0.8	NCI/L	4/23/92	TA53 LAG WATER 16,900,00 pCi
53-SC-G1-W-Q	92.05155	GAMMA	59.	13.	NCI/L	4/23/92	TA53 LAG WATER 59,000.00 pC
53-SC-G1-W-Q	92.05155	H-3	2.26	0.07	UCI/L	4/23/92	TA53 LAG WATER 2,260,00.

CUSTOMER SAMPLE DUPLICATES:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
53-SC-G1-W	92.05154	H-3	2.27	0.07	UCI/L	4/23/92	TA53 LAG WATER

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2,260,000.00 pCi/L

REPORT NUMBER: 13767 (continued)

********** EM-9 QUALITY ASSURANCE REPORT *********

Prepared by: TDF on 23-Apr-1992

REQUEST NUMBER: 12788 MATRIX: W ANALYST: TERRY FILER PROGRAM CODE: W21M

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

NOTEBOOK: A000047 PAGE: 79

SUMMARY OF CONTROL STATUS OF OPEN (NON-BLIND) QC SAMPLES RUN WITH THIS BATCH

SAMPLE NUM	ANALYSIS	ANALYTICAL RESULT	ANALYTICAL UNCERTAINTY	UNITS	QC VALUE	QC UNCERTAINTY	COMPLETION DATE	COMMENT
00.00425	H-3	12.5	0.3	UCI/L	12.5	0.5	4/23/92	UNDER CONTROL
00.97688	H-3	5.06	0.14	UCI/L	5.	0.2	4/23/92	UNDER CONTROL
00.98841	ALPHA	53.	5.	NCI/L	51.	5.	4/23/92	UNDER CONTROL
00.98841	BETA	61.	6.	NCI/L	62.	6.	4/23/92	UNDER CONTROL

SUMMARY OF CONTROL STATUS OF BLIND QC SAMPLES RUN WITH THIS BATCH

There were no blind Quality Control materials run with the samples reported above for one of the following reasons:

___ Only qualitative data requested

___ Only Open (non-blind) QC samples run with this sample batch.

___ No QC samples run with this sample batch.

X No QC samples for this constituent and matrix type available within EM-9

REPORT NUMBER: 13767

TDF	CZa	mag
Analyst	Section Leader	QA Officer
4/23/92	4/23/92	4/23/92
Date	Date	Date

No Sample Discrepancies Noted by Sample Management Section

The control status of the preceeding data was evaluated using the standard statistical criteria set forth in 'Quality Assurance for Health and Environmental Chemistry: 1986,' LA-11114-MS, pp. 3-4.

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