Volume 1

ENCLOSURE 4-F

PHASE THREE CLEAN CLOSURE VERIFICATION SAMPLES: SOIL SAMPLES FROM BENEATH THE UNDERGROUND STORAGE GROUND TANK AND LINES

5054

V

TSL-75
soils below 1ST & PVC pipe

HSE-9 ANALYTICAL SERVICE AGREEMENT

8203

Request No. ~~8209~~ 8278

I. PRESAMPLING CONFERENCE

Program Code WH 45 No. Samples Expected 12ea soil } VOC SVOC PCB App. 8 met. see b.

Submission Date 11-28-89 Completion Date

Chain of Custody? Yes Special Protocol? *(EPA etc.)*

Analyses Requested: List analyses on HSE-9 Analytical Chemistry Request Sheet.
(Indicate expected concentration range and required detection limits under remarks.)

Container Type Glass/Teflon Preservative None
(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples.)

Storage Conditions *(circle one or more)*: None (Refrigerate) Freeze Darkness

Sample Hazards Present? *(Circle one or more)*
(No hazard) Toxic Radioactive: alpha beta gamma Flammable Explosive/Reactive

Sample Disposal: Return Discard ✓
(All hazardous samples or TRU wastes will be returned to the customer.)

Customer S.G. McLin HSE-9 Section Leader [signature] Organic
Customer Phone 5-1721 MS K490 [signature] Inorganic
Date 11-28-89 Radiochem.

II. EMERGENCY SAMPLES

Emergency Status requires the following signatures:

Customer Group Leader
HSE-9 Group Leader
Date

III. SAMPLE RECEIPT

Signature Elizabeth A. Jones Date 11/28/89 Total No. Samples Received 12×4 cnt.

HSE-9 Sample No. Range 89.17942 to 89.17953.

Customer Sample No. Range 85PL-1 to 85PL-12.

Set A = VOA
Set B = SVOA
Set C = PCB
Set D = Metals

3-8-89

VOLATILE ORGANIC ANALYSES

March 2, 1990

Rec'd
3/5/90
AJM

Steve,

Attached you will find the **final** report for the soil samples you submitted for VOA analysis under the request #8298. Methylene Chloride was detected in several of the samples. Methylene Chloride was detected in the blank at a concentration of 5 ug/kg. The presence of Methylene Chloride in these samples is probably due to contamination from the laboratory environment as the laboratory facility ventilation is inadequate for proper volatile sample preparation. If you have any questions regarding these results, please do not hesitate to contact me at 7-5889 or stop by my office (TA-59, OH-1, Room 115).

Thank you for your continued support of our VOA analysis program.

TSL-75
Soils below UST &
PVC

Chuck Rzeszutko

Organic Section Leader

HSE-9

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-1	89.17942	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-1	89.17942	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-1	89.17942	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-1	89.17942	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-1	89.17942	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-1	89.17942	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-1	89.17942	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-1	89.17942	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-1	89.17942	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-1	89.17942	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-1	89.17942	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-1	89.17942	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-1	89.17942	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-1	89.17942	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-1	89.17942	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-1	89.17942	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-1	89.17942	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-1	89.17942	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-1	89.17942	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-1	89.17942	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-1	89.17942	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-1	89.17942	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-1	89.17942	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-1	89.17942	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-1	89.17942	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-1	89.17942	106467	< 5.	UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-1	89.17942	107062	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-1	89.17942	75343	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-1	89.17942	156605	< 5.	UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-1	89.17942	75354	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-1	89.17942	156592	< 5.	UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-1	89.17942	78875	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-1	89.17942	594207	< 5.	UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-1	89.17942	142289	< 5.	UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-1	89.17942	563586	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-1	89.17942	10061026	< 5.	UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-1	89.17942	10061015	< 5.	UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-1	89.17942	100414	< 5.	UG/KG	2/14/90	NONE	Ethylbenzene
85PL-1	89.17942	87683	< 5.	UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-1	89.17942	591786	< 10.	UG/KG	2/14/90	NONE	2-Hexanone
85PL-1	89.17942	98828	< 5.	UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-1	89.17942	99876	< 5.	UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-1	89.17942	108101	< 10.	UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-1	89.17942	75092	< 5.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-1	89.17942	91203	< 5.	UG/KG	2/14/90	NONE	Naphthalene
85PL-1	89.17942	103651	< 5.	UG/KG	2/14/90	NONE	Propylbenzene
85PL-1	89.17942	100425	< 5.	UG/KG	2/14/90	NONE	Styrene
85PL-1	89.17942	630206	< 5.	UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-1	89.17942	79345	< 5.	UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-1	89.17942	127184	< 5.	UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-1	89.17942	108883	< 5.	UG/KG	2/14/90	NONE	Toluene
85PL-1	89.17942	120821	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-1	89.17942	87616	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-1	89.17942	71556	< 5.	UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-1	89.17942	79005	< 5.	UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-1	89.17942	79016	< 5.	UG/KG	2/14/90	NONE	Trichloroethene
85PL-1	89.17942	75694	< 5.	UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-1	89.17942	96184	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-1	89.17942	95636	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-1	89.17942	108678	< 5.	UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-1	89.17942	108054	< 10.	UG/KG	2/14/90	NONE	Vinyl acetate
85PL-1	89.17942	75014	< 10.	UG/KG	2/14/90	NONE	Vinyl chloride
85PL-1	89.17942	95476	< 5.	UG/KG	2/14/90	NONE	o-Xylene
85PL-1	89.17942	1330207	< 5.	UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-2	89.17943	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-2	89.17943	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-2	89.17943	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-2	89.17943	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-2	89.17943	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-2	89.17943	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-2	89.17943	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-2	89.17943	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-2	89.17943	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-2	89.17943	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-2	89.17943	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-2	89.17943	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-2	89.17943	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-2	89.17943	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-2	89.17943	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-2	89.17943	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-2	89.17943	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-2	89.17943	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-2	89.17943	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-2	89.17943	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-2	89.17943	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-2	89.17943	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-2	89.17943	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-2	89.17943	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-2	89.17943	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-2	89.17943	106467	< 5.	UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-2	89.17943	107062	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-2	89.17943	75343	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-2	89.17943	156605	< 5.	UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-2	89.17943	75354	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-2	89.17943	156592	< 5.	UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-2	89.17943	142289	< 5.	UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-2	89.17943	594207	< 5.	UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-2	89.17943	78875	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-2	89.17943	10061015	< 5.	UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-2	89.17943	10061026	< 5.	UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-2	89.17943	563586	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-2	89.17943	100414	< 5.	UG/KG	2/14/90	NONE	Ethylbenzene
85PL-2	89.17943	87683	< 5.	UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-2	89.17943	591786	< 10.	UG/KG	2/14/90	NONE	2-Hexanone
85PL-2	89.17943	98828	< 5.	UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-2	89.17943	99876	< 5.	UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-2	89.17943	108101	< 10.	UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-2	89.17943	75092	< 5.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-2	89.17943	91203	< 5.	UG/KG	2/14/90	NONE	Naphthalene
85PL-2	89.17943	103651	< 5.	UG/KG	2/14/90	NONE	Propylbenzene
85PL-2	89.17943	100425	< 5.	UG/KG	2/14/90	NONE	Styrene
85PL-2	89.17943	79345	< 5.	UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-2	89.17943	630206	< 5.	UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-2	89.17943	127184	< 5.	UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-2	89.17943	108883	< 5.	UG/KG	2/14/90	NONE	Toluene
85PL-2	89.17943	120821	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-2	89.17943	87616	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-2	89.17943	79005	< 5.	UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-2	89.17943	71556	< 5.	UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-2	89.17943	79016	< 5.	UG/KG	2/14/90	NONE	Trichloroethene
85PL-2	89.17943	75694	< 5.	UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-2	89.17943	96184	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-2	89.17943	108678	< 5.	UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-2	89.17943	95636	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-2	89.17943	108054	< 10.	UG/KG	2/14/90	NONE	Vinyl acetate
85PL-2	89.17943	75014	< 10.	UG/KG	2/14/90	NONE	Vinyl chloride
85PL-2	89.17943	95476	< 5.	UG/KG	2/14/90	NONE	o-Xylene
85PL-2	89.17943	1330207	< 5.	UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-3	89.17944	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-3	89.17944	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-3	89.17944	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-3	89.17944	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-3	89.17944	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-3	89.17944	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-3	89.17944	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-3	89.17944	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-3	89.17944	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-3	89.17944	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-3	89.17944	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-3	89.17944	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-3	89.17944	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-3	89.17944	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-3	89.17944	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-3	89.17944	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-3	89.17944	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-3	89.17944	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-3	89.17944	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-3	89.17944	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-3	89.17944	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-3	89.17944	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-3	89.17944	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-3	89.17944	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-3	89.17944	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-3	89.17944	106467	< 5.	UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-3	89.17944	107062	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-3	89.17944	75343	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-3	89.17944	156605	< 5.	UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-3	89.17944	75354	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-3	89.17944	156592	< 5.	UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-3	89.17944	78875	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-3	89.17944	594207	< 5.	UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-3	89.17944	142289	< 5.	UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-3	89.17944	563586	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-3	89.17944	10061015	< 5.	UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-3	89.17944	10061026	< 5.	UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-3	89.17944	100414	< 5.	UG/KG	2/14/90	NONE	Ethylbenzene
85PL-3	89.17944	87683	< 5.	UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-3	89.17944	591786	< 10.	UG/KG	2/14/90	NONE	2-Hexanone
85PL-3	89.17944	98828	< 5.	UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-3	89.17944	99876	< 5.	UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-3	89.17944	108101	< 10.	UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-3	89.17944	75092	< 5.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-3	89.17944	91203	< 5.	UG/KG	2/14/90	NONE	Naphthalene
85PL-3	89.17944	103651	< 5.	UG/KG	2/14/90	NONE	Propylbenzene
85PL-3	89.17944	100425	< 5.	UG/KG	2/14/90	NONE	Styrene
85PL-3	89.17944	79345	< 5.	UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-3	89.17944	630206	< 5.	UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-3	89.17944	127184	< 5.	UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-3	89.17944	108883	< 5.	UG/KG	2/14/90	NONE	Toluene
85PL-3	89.17944	120821	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-3	89.17944	87616	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-3	89.17944	71556	< 5.	UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-3	89.17944	79005	< 5.	UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-3	89.17944	79016	< 5.	UG/KG	2/14/90	NONE	Trichloroethene
85PL-3	89.17944	75694	< 5.	UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-3	89.17944	96184	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-3	89.17944	95636	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-3	89.17944	108678	< 5.	UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-3	89.17944	108054	< 10.	UG/KG	2/14/90	NONE	Vinyl acetate
85PL-3	89.17944	75014	< 10.	UG/KG	2/14/90	NONE	Vinyl chloride
85PL-3	89.17944	95476	< 5.	UG/KG	2/14/90	NONE	o-Xylene
85PL-3	89.17944	1330207	< 5.	UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-4	89.17945	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-4	89.17945	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-4	89.17945	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-4	89.17945	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-4	89.17945	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-4	89.17945	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-4	89.17945	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-4	89.17945	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-4	89.17945	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-4	89.17945	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-4	89.17945	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-4	89.17945	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-4	89.17945	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-4	89.17945	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-4	89.17945	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-4	89.17945	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-4	89.17945	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-4	89.17945	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-4	89.17945	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-4	89.17945	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-4	89.17945	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-4	89.17945	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-4	89.17945	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-4	89.17945	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-4	89.17945	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-4	89.17945	106467	< 5.	UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-4	89.17945	75343	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-4	89.17945	107062	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-4	89.17945	156605	< 5.	UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-4	89.17945	75354	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-4	89.17945	156592	< 5.	UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-4	89.17945	78875	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-4	89.17945	594207	< 5.	UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-4	89.17945	142289	< 5.	UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-4	89.17945	563586	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-4	89.17945	10061026	< 5.	UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-4	89.17945	10061015	< 5.	UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-4	89.17945	100414	< 5.	UG/KG	2/14/90	NONE	Ethylbenzene
85PL-4	89.17945	87683	< 5.	UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-4	89.17945	591786	< 10.	UG/KG	2/14/90	NONE	2-Hexanone
85PL-4	89.17945	98828	< 5.	UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-4	89.17945	99876	< 5.	UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-4	89.17945	108101	< 10.	UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-4	89.17945	75092	< 5.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-4	89.17945	91203	< 5.	UG/KG	2/14/90	NONE	Naphthalene
85PL-4	89.17945	103651	< 5.	UG/KG	2/14/90	NONE	Propylbenzene
85PL-4	89.17945	100425	< 5.	UG/KG	2/14/90	NONE	Styrene
85PL-4	89.17945	79345	< 5.	UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-4	89.17945	630206	< 5.	UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-4	89.17945	127184	< 5.	UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-4	89.17945	108883	< 5.	UG/KG	2/14/90	NONE	Toluene
85PL-4	89.17945	87616	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-4	89.17945	120821	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-4	89.17945	79005	< 5.	UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-4	89.17945	71556	< 5.	UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-4	89.17945	79016	< 5.	UG/KG	2/14/90	NONE	Trichloroethene
85PL-4	89.17945	75694	< 5.	UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-4	89.17945	96184	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-4	89.17945	95636	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-4	89.17945	108678	< 5.	UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-4	89.17945	108054	< 10.	UG/KG	2/14/90	NONE	Vinyl acetate
85PL-4	89.17945	75014	< 10.	UG/KG	2/14/90	NONE	Vinyl chloride
85PL-4	89.17945	95476	< 5.	UG/KG	2/14/90	NONE	o-Xylene
85PL-4	89.17945	1330207	< 5.	UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-5	89.17946	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-5	89.17946	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-5	89.17946	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-5	89.17946	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-5	89.17946	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-5	89.17946	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-5	89.17946	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-5	89.17946	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-5	89.17946	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-5	89.17946	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-5	89.17946	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-5	89.17946	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-5	89.17946	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-5	89.17946	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-5	89.17946	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-5	89.17946	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-5	89.17946	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-5	89.17946	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-5	89.17946	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-5	89.17946	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-5	89.17946	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-5	89.17946	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-5	89.17946	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-5	89.17946	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-5	89.17946	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-5	89.17946	106467	< 5.	UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-5	89.17946	107062	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-5	89.17946	75343	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-5	89.17946	156605	< 5.	UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-5	89.17946	75354	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-5	89.17946	156592	< 5.	UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-5	89.17946	78875	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-5	89.17946	594207	< 5.	UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-5	89.17946	142289	< 5.	UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-5	89.17946	10061026	< 5.	UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-5	89.17946	10061015	< 5.	UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-5	89.17946	563586	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-5	89.17946	100414	< 5.	UG/KG	2/14/90	NONE	Ethylbenzene
85PL-5	89.17946	87683	< 5.	UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-5	89.17946	591786	< 10.	UG/KG	2/14/90	NONE	2-Hexanone
85PL-5	89.17946	98828	< 5.	UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-5	89.17946	99876	< 5.	UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-5	89.17946	108101	< 10.	UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-5	89.17946	75092	< 5.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-5	89.17946	91203	< 5.	UG/KG	2/14/90	NONE	Naphthalene
85PL-5	89.17946	103651	< 5.	UG/KG	2/14/90	NONE	Propylbenzene
85PL-5	89.17946	100425	< 5.	UG/KG	2/14/90	NONE	Styrene
85PL-5	89.17946	630206	< 5.	UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-5	89.17946	79345	< 5.	UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-5	89.17946	127184	< 5.	UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-5	89.17946	108883	< 5.	UG/KG	2/14/90	NONE	Toluene
85PL-5	89.17946	87616	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-5	89.17946	120821	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-5	89.17946	71556	< 5.	UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-5	89.17946	79005	< 5.	UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-5	89.17946	79016	< 5.	UG/KG	2/14/90	NONE	Trichloroethene
85PL-5	89.17946	75694	< 5.	UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-5	89.17946	96184	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-5	89.17946	108678	< 5.	UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-5	89.17946	95636	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-5	89.17946	108054	< 10.	UG/KG	2/14/90	NONE	Vinyl acetate
85PL-5	89.17946	75014	< 10.	UG/KG	2/14/90	NONE	Vinyl chloride
85PL-5	89.17946	95476	< 5.	UG/KG	2/14/90	NONE	o-Xylene
85PL-5	89.17946	1330207	< 5.	UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-6	89.17947	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-6	89.17947	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-6	89.17947	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-6	89.17947	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-6	89.17947	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-6	89.17947	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-6	89.17947	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-6	89.17947	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-6	89.17947	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-6	89.17947	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-6	89.17947	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-6	89.17947	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-6	89.17947	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-6	89.17947	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-6	89.17947	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-6	89.17947	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-6	89.17947	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-6	89.17947	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-6	89.17947	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-6	89.17947	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-6	89.17947	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-6	89.17947	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-6	89.17947	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-6	89.17947	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-6	89.17947	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-6	89.17947	106467	< 5.	UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-6	89.17947	75343	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-6	89.17947	107062	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-6	89.17947	156605	< 5.	UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-6	89.17947	75354	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-6	89.17947	156592	< 5.	UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-6	89.17947	142289	< 5.	UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-6	89.17947	594207	< 5.	UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-6	89.17947	78875	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-6	89.17947	10061015	< 5.	UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-6	89.17947	563586	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-6	89.17947	10061026	< 5.	UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-6	89.17947	100414	< 5.	UG/KG	2/14/90	NONE	Ethylbenzene
85PL-6	89.17947	87683	< 5.	UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-6	89.17947	591786	< 10.	UG/KG	2/14/90	NONE	2-Hexanone
85PL-6	89.17947	98828	< 5.	UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-6	89.17947	99876	< 5.	UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-6	89.17947	108101	< 10.	UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-6	89.17947	75092	< 5.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-6	89.17947	91203	< 5.	UG/KG	2/14/90	NONE	Naphthalene
85PL-6	89.17947	103651	< 5.	UG/KG	2/14/90	NONE	Propylbenzene
85PL-6	89.17947	100425	< 5.	UG/KG	2/14/90	NONE	Styrene
85PL-6	89.17947	630206	< 5.	UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-6	89.17947	79345	< 5.	UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-6	89.17947	127184	< 5.	UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-6	89.17947	108883	< 5.	UG/KG	2/14/90	NONE	Toluene
85PL-6	89.17947	120821	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-6	89.17947	87616	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-6	89.17947	71556	< 5.	UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-6	89.17947	79005	< 5.	UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-6	89.17947	79016	< 5.	UG/KG	2/14/90	NONE	Trichloroethene
85PL-6	89.17947	75694	< 5.	UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-6	89.17947	96184	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-6	89.17947	95636	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-6	89.17947	108678	< 5.	UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-6	89.17947	108054	< 10.	UG/KG	2/14/90	NONE	Vinyl acetate
85PL-6	89.17947	75014	< 10.	UG/KG	2/14/90	NONE	Vinyl chloride
85PL-6	89.17947	95476	< 5.	UG/KG	2/14/90	NONE	o-Xylene
85PL-6	89.17947	1330207	< 5.	UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-7	89.17948	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-7	89.17948	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-7	89.17948	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-7	89.17948	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-7	89.17948	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-7	89.17948	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-7	89.17948	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-7	89.17948	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-7	89.17948	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-7	89.17948	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-7	89.17948	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-7	89.17948	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-7	89.17948	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-7	89.17948	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-7	89.17948	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-7	89.17948	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-7	89.17948	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-7	89.17948	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-7	89.17948	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-7	89.17948	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-7	89.17948	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-7	89.17948	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-7	89.17948	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-7	89.17948	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)
85PL-7	89.17948	106467	< 5.		UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)

85PL-7	89.17948	107062	< 5.		UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-7	89.17948	75343	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-7	89.17948	75354	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-7	89.17948	156605	< 5.		UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-7	89.17948	156592	< 5.		UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-7	89.17948	594207	< 5.		UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-7	89.17948	142289	< 5.		UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-7	89.17948	78875	< 5.		UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-7	89.17948	563586	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-7	89.17948	10061015	< 5.		UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-7	89.17948	10061026	< 5.		UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-7	89.17948	100414	< 5.		UG/KG	2/14/90	NONE	Ethylbenzene
85PL-7	89.17948	87683	< 5.		UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-7	89.17948	591786	< 10.		UG/KG	2/14/90	NONE	2-Hexanone
85PL-7	89.17948	98828	< 5.		UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-7	89.17948	99876	< 5.		UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-7	89.17948	108101	< 10.		UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-7	89.17948	75092	18.4	5.5	UG/KG	2/14/90	NONE	Methylene chloride
85PL-7	89.17948	91203	< 5.		UG/KG	2/14/90	NONE	Naphthalene
85PL-7	89.17948	103651	< 5.		UG/KG	2/14/90	NONE	Propylbenzene
85PL-7	89.17948	100425	< 5.		UG/KG	2/14/90	NONE	Styrene
85PL-7	89.17948	630206	< 5.		UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-7	89.17948	79345	< 5.		UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-7	89.17948	127184	< 5.		UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-7	89.17948	108883	< 5.		UG/KG	2/14/90	NONE	Toluene
85PL-7	89.17948	87616	< 5.		UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-7	89.17948	120821	< 5.		UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-7	89.17948	79005	< 5.		UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-7	89.17948	71556	< 5.		UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-7	89.17948	79016	< 5.		UG/KG	2/14/90	NONE	Trichloroethene
85PL-7	89.17948	75694	< 5.		UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-7	89.17948	96184	< 5.		UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-7	89.17948	108678	< 5.		UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-7	89.17948	95636	< 5.		UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-7	89.17948	108054	< 10.		UG/KG	2/14/90	NONE	Vinyl acetate
85PL-7	89.17948	75014	< 10.		UG/KG	2/14/90	NONE	Vinyl chloride
85PL-7	89.17948	95476	< 5.		UG/KG	2/14/90	NONE	o-Xylene
85PL-7	89.17948	1330207	< 5.		UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-8	89.17949	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-8	89.17949	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-8	89.17949	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-8	89.17949	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-8	89.17949	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-8	89.17949	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-8	89.17949	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-8	89.17949	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-8	89.17949	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-8	89.17949	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-8	89.17949	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-8	89.17949	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-8	89.17949	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-8	89.17949	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-8	89.17949	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-8	89.17949	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-8	89.17949	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-8	89.17949	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-8	89.17949	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-8	89.17949	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-8	89.17949	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-8	89.17949	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-8	89.17949	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-8	89.17949	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-8	89.17949	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-8	89.17949	106467	< 5.		UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-8	89.17949	75343	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-8	89.17949	107062	< 5.		UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-8	89.17949	75354	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-8	89.17949	156605	< 5.		UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-8	89.17949	156592	< 5.		UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-8	89.17949	594207	< 5.		UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-8	89.17949	142289	< 5.		UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-8	89.17949	78875	< 5.		UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-8	89.17949	10061026	< 5.		UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-8	89.17949	563586	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-8	89.17949	10061015	< 5.		UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-8	89.17949	100414	< 5.		UG/KG	2/14/90	NONE	Ethylbenzene
85PL-8	89.17949	87683	< 5.		UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-8	89.17949	591786	< 10.		UG/KG	2/14/90	NONE	2-Hexanone
85PL-8	89.17949	98828	< 5.		UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-8	89.17949	99876	< 5.		UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-8	89.17949	108101	< 10.		UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-8	89.17949	75092	13.33	4.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-8	89.17949	91203	< 5.		UG/KG	2/14/90	NONE	Naphthalene
85PL-8	89.17949	103651	< 5.		UG/KG	2/14/90	NONE	Propylbenzene
85PL-8	89.17949	100425	< 5.		UG/KG	2/14/90	NONE	Styrene
85PL-8	89.17949	630206	< 5.		UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-8	89.17949	79345	< 5.		UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-8	89.17949	127184	< 5.		UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-8	89.17949	108883	< 5.		UG/KG	2/14/90	NONE	Toluene
85PL-8	89.17949	120821	< 5.		UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-8	89.17949	87616	< 5.		UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-8	89.17949	79005	< 5.		UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-8	89.17949	71556	< 5.		UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-8	89.17949	79016	< 5.		UG/KG	2/14/90	NONE	Trichloroethene
85PL-8	89.17949	75694	< 5.		UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-8	89.17949	96184	< 5.		UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-8	89.17949	108678	< 5.		UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-8	89.17949	95636	< 5.		UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-8	89.17949	108054	< 10.		UG/KG	2/14/90	NONE	Vinyl acetate
85PL-8	89.17949	75014	< 10.		UG/KG	2/14/90	NONE	Vinyl chloride
85PL-8	89.17949	95476	< 5.		UG/KG	2/14/90	NONE	o-Xylene
85PL-8	89.17949	1330207	< 5.		UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-9	89.17950	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-9	89.17950	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-9	89.17950	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-9	89.17950	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-9	89.17950	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-9	89.17950	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-9	89.17950	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-9	89.17950	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-9	89.17950	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-9	89.17950	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-9	89.17950	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-9	89.17950	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-9	89.17950	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-9	89.17950	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-9	89.17950	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-9	89.17950	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-9	89.17950	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-9	89.17950	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-9	89.17950	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-9	89.17950	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-9	89.17950	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-9	89.17950	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-9	89.17950	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-9	89.17950	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-9	89.17950	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-9	89.17950	106467	< 5.		UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-9	89.17950	107062	< 5.		UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-9	89.17950	75343	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-9	89.17950	156605	< 5.		UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-9	89.17950	75354	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-9	89.17950	156592	< 5.		UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-9	89.17950	142289	< 5.		UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-9	89.17950	594207	< 5.		UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-9	89.17950	78875	< 5.		UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-9	89.17950	10061015	< 5.		UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-9	89.17950	10061026	< 5.		UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-9	89.17950	563586	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-9	89.17950	100414	< 5.		UG/KG	2/14/90	NONE	Ethylbenzene
85PL-9	89.17950	87683	< 5.		UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-9	89.17950	591786	< 10.		UG/KG	2/14/90	NONE	2-Hexanone
85PL-9	89.17950	98828	< 5.		UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-9	89.17950	99876	< 5.		UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-9	89.17950	108101	< 10.		UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-9	89.17950	75092	20.13	6.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-9	89.17950	91203	< 5.		UG/KG	2/14/90	NONE	Naphthalene
85PL-9	89.17950	103651	< 5.		UG/KG	2/14/90	NONE	Propylbenzene
85PL-9	89.17950	100425	< 5.		UG/KG	2/14/90	NONE	Styrene
85PL-9	89.17950	79345	< 5.		UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-9	89.17950	630206	< 5.		UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-9	89.17950	127184	< 5.		UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-9	89.17950	108883	< 5.		UG/KG	2/14/90	NONE	Toluene
85PL-9	89.17950	120821	< 5.		UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-9	89.17950	87616	< 5.		UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-9	89.17950	71556	< 5.		UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-9	89.17950	79005	< 5.		UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-9	89.17950	79016	< 5.		UG/KG	2/14/90	NONE	Trichloroethene
85PL-9	89.17950	75694	< 5.		UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-9	89.17950	96184	< 5.		UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-9	89.17950	108678	< 5.		UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-9	89.17950	95636	< 5.		UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-9	89.17950	108054	< 10.		UG/KG	2/14/90	NONE	Vinyl acetate
85PL-9	89.17950	75014	< 10.		UG/KG	2/14/90	NONE	Vinyl chloride
85PL-9	89.17950	95476	< 5.		UG/KG	2/14/90	NONE	o-Xylene
85PL-9	89.17950	1330207	< 5.		UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-10	89.17951	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-10	89.17951	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-10	89.17951	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-10	89.17951	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-10	89.17951	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-10	89.17951	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-10	89.17951	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-10	89.17951	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-10	89.17951	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-10	89.17951	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-10	89.17951	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-10	89.17951	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-10	89.17951	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-10	89.17951	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-10	89.17951	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-10	89.17951	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-10	89.17951	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-10	89.17951	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-10	89.17951	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-10	89.17951	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-10	89.17951	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-10	89.17951	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-10	89.17951	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-10	89.17951	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-10	89.17951	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-10	89.17951	106467	< 5.		UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-10	89.17951	107062	< 5.		UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-10	89.17951	75343	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-10	89.17951	75354	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-10	89.17951	156605	< 5.		UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-10	89.17951	156592	< 5.		UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-10	89.17951	594207	< 5.		UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-10	89.17951	78875	< 5.		UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-10	89.17951	142289	< 5.		UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-10	89.17951	10061026	< 5.		UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-10	89.17951	563586	< 5.		UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-10	89.17951	10061015	< 5.		UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-10	89.17951	100414	< 5.		UG/KG	2/14/90	NONE	Ethylbenzene
85PL-10	89.17951	87683	< 5.		UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-10	89.17951	591786	< 10.		UG/KG	2/14/90	NONE	2-Hexanone
85PL-10	89.17951	98828	< 5.		UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-10	89.17951	99876	< 5.		UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-10	89.17951	108101	< 10.		UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-10	89.17951	75092	14.61	4.4	UG/KG	2/14/90	NONE	Methylene chloride
85PL-10	89.17951	91203	< 5.		UG/KG	2/14/90	NONE	Naphthalene
85PL-10	89.17951	103651	< 5.		UG/KG	2/14/90	NONE	Propylbenzene
85PL-10	89.17951	100425	< 5.		UG/KG	2/14/90	NONE	Styrene
85PL-10	89.17951	79345	< 5.		UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-10	89.17951	630206	< 5.		UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-10	89.17951	127184	< 5.		UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-10	89.17951	108883	< 5.		UG/KG	2/14/90	NONE	Toluene
85PL-10	89.17951	120821	< 5.		UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-10	89.17951	87616	< 5.		UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-10	89.17951	79005	< 5.		UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-10	89.17951	71556	< 5.		UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-10	89.17951	79016	< 5.		UG/KG	2/14/90	NONE	Trichloroethene
85PL-10	89.17951	75694	< 5.		UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-10	89.17951	96184	< 5.		UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-10	89.17951	95636	< 5.		UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-10	89.17951	108678	< 5.		UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-10	89.17951	108054	< 10.		UG/KG	2/14/90	NONE	Vinyl acetate
85PL-10	89.17951	75014	< 10.		UG/KG	2/14/90	NONE	Vinyl chloride
85PL-10	89.17951	95476	< 5.		UG/KG	2/14/90	NONE	o-Xylene
85PL-10	89.17951	1330207	< 5.		UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-11	89.17952	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-11	89.17952	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-11	89.17952	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-11	89.17952	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-11	89.17952	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-11	89.17952	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-11	89.17952	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-11	89.17952	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-11	89.17952	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-11	89.17952	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-11	89.17952	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-11	89.17952	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-11	89.17952	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-11	89.17952	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-11	89.17952	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-11	89.17952	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-11	89.17952	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-11	89.17952	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-11	89.17952	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-11	89.17952	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-11	89.17952	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-11	89.17952	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-11	89.17952	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-11	89.17952	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-11	89.17952	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-11	89.17952	106467	< 5.	UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-11	89.17952	107062	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-11	89.17952	75343	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-11	89.17952	75354	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-11	89.17952	156605	< 5.	UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-11	89.17952	156592	< 5.	UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-11	89.17952	78875	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-11	89.17952	142289	< 5.	UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-11	89.17952	594207	< 5.	UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-11	89.17952	10061015	< 5.	UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-11	89.17952	10061026	< 5.	UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-11	89.17952	563586	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-11	89.17952	100414	< 5.	UG/KG	2/14/90	NONE	Ethylbenzene
85PL-11	89.17952	87683	< 5.	UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-11	89.17952	591786	< 10.	UG/KG	2/14/90	NONE	2-Hexanone
85PL-11	89.17952	98828	< 5.	UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-11	89.17952	99876	< 5.	UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-11	89.17952	108101	< 10.	UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-11	89.17952	75092	< 5.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-11	89.17952	91203	< 5.	UG/KG	2/14/90	NONE	Naphthalene
85PL-11	89.17952	103651	< 5.	UG/KG	2/14/90	NONE	Propylbenzene
85PL-11	89.17952	100425	< 5.	UG/KG	2/14/90	NONE	Styrene
85PL-11	89.17952	630206	< 5.	UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-11	89.17952	79345	< 5.	UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-11	89.17952	127184	< 5.	UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-11	89.17952	108883	< 5.	UG/KG	2/14/90	NONE	Toluene
85PL-11	89.17952	87616	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-11	89.17952	120821	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-11	89.17952	71556	< 5.	UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-11	89.17952	79005	< 5.	UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-11	89.17952	79016	< 5.	UG/KG	2/14/90	NONE	Trichloroethene
85PL-11	89.17952	75694	< 5.	UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-11	89.17952	96184	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-11	89.17952	108678	< 5.	UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-11	89.17952	95636	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-11	89.17952	108054	< 10.	UG/KG	2/14/90	NONE	Vinyl acetate
85PL-11	89.17952	75014	< 10.	UG/KG	2/14/90	NONE	Vinyl chloride
85PL-11	89.17952	95476	< 5.	UG/KG	2/14/90	NONE	o-Xylene
85PL-11	89.17952	1330207	< 5.	UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5823

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-12	89.17953	67641	< 10.		UG/KG	2/14/90	NONE	Acetone
85PL-12	89.17953	71432	< 5.		UG/KG	2/14/90	NONE	Benzene
85PL-12	89.17953	108861	< 5.		UG/KG	2/14/90	NONE	Bromobenzene
85PL-12	89.17953	74975	< 5.		UG/KG	2/14/90	NONE	Bromochloromethane
85PL-12	89.17953	75274	< 5.		UG/KG	2/14/90	NONE	Bromodichloromethane
85PL-12	89.17953	75252	< 5.		UG/KG	2/14/90	NONE	Bromoform
85PL-12	89.17953	74839	< 10.		UG/KG	2/14/90	NONE	Bromomethane
85PL-12	89.17953	78933	< 10.		UG/KG	2/14/90	NONE	2-Butanone
85PL-12	89.17953	98066	< 5.		UG/KG	2/14/90	NONE	tert-Butylbenzene
85PL-12	89.17953	104518	< 5.		UG/KG	2/14/90	NONE	n-Butylbenzene
85PL-12	89.17953	135988	< 5.		UG/KG	2/14/90	NONE	sec-Butylbenzene
85PL-12	89.17953	75150	< 5.		UG/KG	2/14/90	NONE	Carbon disulfide
85PL-12	89.17953	56235	< 5.		UG/KG	2/14/90	NONE	Carbon tetrachloride
85PL-12	89.17953	108907	< 5.		UG/KG	2/14/90	NONE	Chlorobenzene
85PL-12	89.17953	124481	< 5.		UG/KG	2/14/90	NONE	Chlorodibromomethane
85PL-12	89.17953	75003	< 10.		UG/KG	2/14/90	NONE	Chloroethane
85PL-12	89.17953	67663	< 5.		UG/KG	2/14/90	NONE	Chloroform
85PL-12	89.17953	74873	< 10.		UG/KG	2/14/90	NONE	Chloromethane
85PL-12	89.17953	95498	< 5.		UG/KG	2/14/90	NONE	o-Chlorotoluene
85PL-12	89.17953	106434	< 5.		UG/KG	2/14/90	NONE	p-Chlorotoluene
85PL-12	89.17953	96128	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromo-3-chloropropane
85PL-12	89.17953	106934	< 5.		UG/KG	2/14/90	NONE	1,2-Dibromoethane
85PL-12	89.17953	74953	< 5.		UG/KG	2/14/90	NONE	Dibromomethane
85PL-12	89.17953	95501	< 5.		UG/KG	2/14/90	NONE	o-Dichlorobenzene (1,2)
85PL-12	89.17953	541731	< 5.		UG/KG	2/14/90	NONE	m-Dichlorobenzene (1,3)

85PL-12	89.17953	106467	< 5.	UG/KG	2/14/90	NONE	p-Dichlorobenzene (1,4)
85PL-12	89.17953	107062	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloroethane
85PL-12	89.17953	75343	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethane
85PL-12	89.17953	75354	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloroethene
85PL-12	89.17953	156605	< 5.	UG/KG	2/14/90	NONE	trans-1,2-Dichloroethene
85PL-12	89.17953	156592	< 5.	UG/KG	2/14/90	NONE	cis-1,2-Dichloroethylene
85PL-12	89.17953	78875	< 5.	UG/KG	2/14/90	NONE	1,2-Dichloropropane
85PL-12	89.17953	142289	< 5.	UG/KG	2/14/90	NONE	1,3-Dichloropropane
85PL-12	89.17953	594207	< 5.	UG/KG	2/14/90	NONE	2,2-Dichloropropane
85PL-12	89.17953	563586	< 5.	UG/KG	2/14/90	NONE	1,1-Dichloropropene
85PL-12	89.17953	10061026	< 5.	UG/KG	2/14/90	NONE	trans-1,3-Dichloropropene
85PL-12	89.17953	10061015	< 5.	UG/KG	2/14/90	NONE	cis-1,3-Dichloropropene
85PL-12	89.17953	100414	< 5.	UG/KG	2/14/90	NONE	Ethylbenzene
85PL-12	89.17953	87683	< 5.	UG/KG	2/14/90	NONE	Hexachlorobutadiene
85PL-12	89.17953	591786	< 10.	UG/KG	2/14/90	NONE	2-Hexanone
85PL-12	89.17953	98828	< 5.	UG/KG	2/14/90	NONE	Isopropylbenzene
85PL-12	89.17953	99876	< 5.	UG/KG	2/14/90	NONE	4-Isopropyltoluene
85PL-12	89.17953	108101	< 10.	UG/KG	2/14/90	NONE	4-Methyl-2-pentanone
85PL-12	89.17953	75092	< 5.	UG/KG	2/14/90	NONE	Methylene chloride
85PL-12	89.17953	91203	< 5.	UG/KG	2/14/90	NONE	Naphthalene
85PL-12	89.17953	103651	< 5.	UG/KG	2/14/90	NONE	Propylbenzene
85PL-12	89.17953	100425	< 5.	UG/KG	2/14/90	NONE	Styrene
85PL-12	89.17953	79345	< 5.	UG/KG	2/14/90	NONE	1,1,2,2-Tetrachloroethane
85PL-12	89.17953	630206	< 5.	UG/KG	2/14/90	NONE	1,1,1,2-Tetrachloroethane
85PL-12	89.17953	127184	< 5.	UG/KG	2/14/90	NONE	Tetrachloroethylene
85PL-12	89.17953	108883	< 5.	UG/KG	2/14/90	NONE	Toluene
85PL-12	89.17953	87616	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichlorobenzene
85PL-12	89.17953	120821	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trichlorobenzene
85PL-12	89.17953	79005	< 5.	UG/KG	2/14/90	NONE	1,1,2-Trichloroethane
85PL-12	89.17953	71556	< 5.	UG/KG	2/14/90	NONE	1,1,1-Trichloroethane
85PL-12	89.17953	79016	< 5.	UG/KG	2/14/90	NONE	Trichloroethene
85PL-12	89.17953	75694	< 5.	UG/KG	2/14/90	NONE	Trichlorofluoromethane
85PL-12	89.17953	96184	< 5.	UG/KG	2/14/90	NONE	1,2,3-Trichloropropane
85PL-12	89.17953	108678	< 5.	UG/KG	2/14/90	NONE	1,3,5-Trimethylbenzene
85PL-12	89.17953	95636	< 5.	UG/KG	2/14/90	NONE	1,2,4-Trimethylbenzene
85PL-12	89.17953	108054	< 10.	UG/KG	2/14/90	NONE	Vinyl acetate
85PL-12	89.17953	75014	< 10.	UG/KG	2/14/90	NONE	Vinyl chloride
85PL-12	89.17953	95476	< 5.	UG/KG	2/14/90	NONE	o-Xylene
85PL-12	89.17953	1330207	< 5.	UG/KG	2/14/90	NONE	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5823 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: CPR on 1-Mar-1990

EPA VOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Chris Leibman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

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

____ No QC samples run with this sample batch.

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

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

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
89.18185	67641	411.2	123.4	UG/KG			2/21/90	OUT OF CONTROL	Acetone
89.18185	71432	71.2	21.4	UG/KG	72.	7.	2/21/90	UNDER CONTROL	Benzene
89.18185	108861	< 5.		UG/KG			2/21/90	UNDER CONTROL	Bromobenzene
89.18185	74975	40.7	12.2	UG/KG	78.	8.	2/21/90	WARNING 2-3 SIG	Bromochloromethane
89.18185	75274	< 5.		UG/KG			2/21/90	UNDER CONTROL	Bromodichloromethane
89.18185	75252	< 5.		UG/KG			2/21/90	UNDER CONTROL	Bromoform
89.18185	74839	< 10.		UG/KG			2/21/90	UNDER CONTROL	Bromomethane

89.18185	78933	< 10.		UG/KG	64.	6.	2/21/90	OUT OF CONTROL	2-Butanone
89.18185	135988	< 5.		UG/KG			2/21/90	UNDER CONTROL	sec-Butylbenzene
89.18185	98066	< 5.		UG/KG			2/21/90	UNDER CONTROL	tert-Butylbenzene
89.18185	104518	21.1	6.3	UG/KG	86.	9.	2/21/90	OUT OF CONTROL	n-Butylbenzene
89.18185	75150	< 5.		UG/KG			2/21/90	UNDER CONTROL	Carbon disulfide
89.18185	56235	68.3	20.5	UG/KG	68.	7.	2/21/90	UNDER CONTROL	Carbon tetrachloride
89.18185	108907	< 5.		UG/KG			2/21/90	UNDER CONTROL	Chlorobenzene
89.18185	124481	< 5.		UG/KG			2/21/90	UNDER CONTROL	Chlorodibromomethane
89.18185	75003	< 10.		UG/KG			2/21/90	UNDER CONTROL	Chloroethane
89.18185	67663	< 5.		UG/KG			2/21/90	UNDER CONTROL	Chloroform
89.18185	74873	< 10.		UG/KG			2/21/90	UNDER CONTROL	Chloromethane
89.18185	106434	< 5.		UG/KG			2/21/90	UNDER CONTROL	p-Chlorotoluene
89.18185	95498	< 5.		UG/KG			2/21/90	UNDER CONTROL	o-Chlorotoluene
89.18185	96128	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,2-Dibromo-3-chloropropane
89.18185	106934	24.5	7.4	UG/KG	86.	9.	2/21/90	OUT OF CONTROL	1,2-Dibromoethane
89.18185	74953	< 5.		UG/KG			2/21/90	UNDER CONTROL	Dibromomethane
89.18185	95501	< 5.		UG/KG			2/21/90	UNDER CONTROL	o-Dichlorobenzene (1,2)
89.18185	541731	< 5.		UG/KG			2/21/90	UNDER CONTROL	m-Dichlorobenzene (1,3)
89.18185	106467	< 5.		UG/KG			2/21/90	UNDER CONTROL	p-Dichlorobenzene (1,4)
89.18185	107062	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,2-Dichloroethane
89.18185	75343	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,1-Dichloroethane
89.18185	156605	< 5.		UG/KG			2/21/90	UNDER CONTROL	trans-1,2-Dichloroethene
89.18185	75354	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,1-Dichloroethene
89.18185	156592	< 5.		UG/KG			2/21/90	UNDER CONTROL	cis-1,2-Dichloroethylene
89.18185	142289	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,3-Dichloropropane
89.18185	594207	< 5.		UG/KG			2/21/90	UNDER CONTROL	2,2-Dichloropropane
89.18185	78875	50.8	15.2	UG/KG	66.	7.	2/21/90	UNDER CONTROL	1,2-Dichloropropane
89.18185	563586	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,1-Dichloropropene
89.18185	10061026	< 5.		UG/KG			2/21/90	UNDER CONTROL	trans-1,3-Dichloropropene
89.18185	10061015	< 5.		UG/KG			2/21/90	UNDER CONTROL	cis-1,3-Dichloropropene
89.18185	100414	< 5.		UG/KG			2/21/90	UNDER CONTROL	Ethylbenzene
89.18185	87683	13.5	4.1	UG/KG	81.	8.	2/21/90	OUT OF CONTROL	Hexachlorobutadiene
89.18185	591786	< 10.		UG/KG			2/21/90	UNDER CONTROL	2-Hexanone
89.18185	98828	< 5.		UG/KG			2/21/90	UNDER CONTROL	Isopropylbenzene
89.18185	99876	< 5.		UG/KG			2/21/90	UNDER CONTROL	4-Isopropyltoluene
89.18185	108101	< 10.		UG/KG	57.	6.	2/21/90	OUT OF CONTROL	4-Methyl-2-pentanone
89.18185	75092	11.9	3.6	UG/KG			2/21/90	OUT OF CONTROL	Methylene chloride
89.18185	91203	< 5.		UG/KG			2/21/90	UNDER CONTROL	Naphthalene
89.18185	103651	21.6	6.5	UG/KG	68.	7.	2/21/90	OUT OF CONTROL	Propylbenzene
89.18185	100425	25.8	7.7	UG/KG	64.	6.	2/21/90	OUT OF CONTROL	Styrene
89.18185	79345	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,1,2,2-Tetrachloroethane
89.18185	630206	42.5	12.8	UG/KG	74.	7.	2/21/90	WARNING 2-3 SIG	1,1,1,2-Tetrachloroethane
89.18185	127184	53.5	16.1	UG/KG	74.	7.	2/21/90	UNDER CONTROL	Tetrachloroethylene
89.18185	108883	10.7	3.2	UG/KG			2/21/90	OUT OF CONTROL	Toluene
89.18185	120821	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,2,4-Trichlorobenzene

89.18185	87616	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,2,3-Trichlorobenzene
89.18185	79005	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,1,2-Trichloroethane
89.18185	71556	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,1,1-Trichloroethane
89.18185	79016	< 5.		UG/KG			2/21/90	UNDER CONTROL	Trichloroethene
89.18185	75694	< 5.		UG/KG			2/21/90	UNDER CONTROL	Trichlorofluoromethane
89.18185	96184	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,2,3-Trichloropropane
89.18185	95636	27.8	8.3	UG/KG	71.	7.	2/21/90	OUT OF CONTROL	1,2,4-Trimethylbenzene
89.18185	108678	< 5.		UG/KG			2/21/90	UNDER CONTROL	1,3,5-Trimethylbenzene
89.18185	108054	< 10.		UG/KG			2/21/90	UNDER CONTROL	Vinyl acetate
89.18185	75014	< 10.		UG/KG			2/21/90	UNDER CONTROL	Vinyl chloride
89.18185	95476	< 5.		UG/KG			2/21/90	UNDER CONTROL	o-Xylene
89.18185	1330207	27.3	8.2	UG/KG	79.	8.	2/21/90	OUT OF CONTROL	Mixed-Xylenes (m ± p)

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
89.17942	%	119.	123.	119.	14-Feb-1990
89.17943	%	140.	107.	131.	14-Feb-1990
89.17944	%	135.	138.	132.	14-Feb-1990
89.17945	%	140.	123.	106.	14-Feb-1990
89.17946	%	139.	126.	134.	14-Feb-1990
89.17947	%	135.	138.	136.	14-Feb-1990
89.17948	%	127.	112.	114.	14-Feb-1990
89.17949	%	133.	108.	122.	14-Feb-1990
89.17950	%	136.	130.	133.	14-Feb-1990
89.17951	%	125.	132.	129.	14-Feb-1990
89.17952	%	134.	107.	111.	14-Feb-1990
89.17953	%	140.	131.	126.	14-Feb-1990
89.18185	%		114.	78.	21-Feb-1990
EPA Limits:					
Water	%	76 - 114	88 - 110	86 - 115	
Soil	%	70 - 121	81 - 117	74 - 121	

Analyst

Section Leader

QA Officer

Date	Date	Date

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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SEMIVOLATILE ORGANIC ANALYSES

March 9, 1990

Rec'd 3/12/90 SSM

Steve,

Attached you will find a copy of the **final** report for the soil samples that you submitted under Request #8298 for Semi-Volatiles analysis. Bis (2-ethylhexyl)phthalate was detected in several of the samples. Benzoic Acid was detected in only sample #89.17942. These components were not detected in the laboratory blank. The analysis of these samples also indicated the presence of hydrocarbons at a fairly high concentration level. If you have any questions regarding these results, please do not hesitate to contact me a 5-4792 or stop by my office at your convenience (TA-59, OH-1, Room 115). Thank you for your continued support and patience with our Semi-Volatile analytical program.

TSL-85
soils below UST & PVC

Chuck Rzeszutko

Organic Section Leader

HSE-9

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-1	89.17942	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-1	89.17942	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-1	89.17942	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-1	89.17942	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-1	89.17942	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-1	89.17942	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-1	89.17942	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-1	89.17942	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-1	89.17942	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-1	89.17942	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-1	89.17942	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-1	89.17942	65850	480.	96.	UG/KG	3/05/90		Benzoic acid
85PL-1	89.17942	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-1	89.17942	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-1	89.17942	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-1	89.17942	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-1	89.17942	117817	< 330.		UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-1	89.17942	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-1	89.17942	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-1	89.17942	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-1	89.17942	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-1	89.17942	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-1	89.17942	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-1	89.17942	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-1	89.17942	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-1	89.17942	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-1	89.17942	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-1	89.17942	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-1	89.17942	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-1	89.17942	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-1	89.17942	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-1	89.17942	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-1	89.17942	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-1	89.17942	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-1	89.17942	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-1	89.17942	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-1	89.17942	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-1	89.17942	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-1	89.17942	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-1	89.17942	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-1	89.17942	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-1	89.17942	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-1	89.17942	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-1	89.17942	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-1	89.17942	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-1	89.17942	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-1	89.17942	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-1	89.17942	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-1	89.17942	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-1	89.17942	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-1	89.17942	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-1	89.17942	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-1	89.17942	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-1	89.17942	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-1	89.17942	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-1	89.17942	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-1	89.17942	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-1	89.17942	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-1	89.17942	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-1	89.17942	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-1	89.17942	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-1	89.17942	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-1	89.17942	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-1	89.17942	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-1	89.17942	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-1	89.17942	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-1	89.17942	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-1	89.17942	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-1	89.17942	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol
85PL-1	89.17942	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol

85PL-1	89.17942	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-2	89.17943	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-2	89.17943	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-2	89.17943	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-2	89.17943	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-2	89.17943	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-2	89.17943	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-2	89.17943	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-2	89.17943	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-2	89.17943	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-2	89.17943	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-2	89.17943	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-2	89.17943	65850	< 330.		UG/KG	3/05/90		Benzoic acid
85PL-2	89.17943	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-2	89.17943	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-2	89.17943	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-2	89.17943	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-2	89.17943	117817	640.	128.	UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-2	89.17943	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-2	89.17943	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-2	89.17943	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-2	89.17943	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-2	89.17943	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-2	89.17943	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-2	89.17943	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-2	89.17943	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-2	89.17943	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-2	89.17943	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-2	89.17943	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-2	89.17943	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-2	89.17943	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-2	89.17943	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-2	89.17943	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-2	89.17943	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-2	89.17943	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-2	89.17943	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-2	89.17943	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-2	89.17943	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-2	89.17943	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-2	89.17943	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-2	89.17943	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-2	89.17943	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-2	89.17943	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-2	89.17943	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-2	89.17943	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-2	89.17943	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-2	89.17943	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-2	89.17943	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-2	89.17943	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-2	89.17943	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-2	89.17943	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-2	89.17943	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-2	89.17943	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-2	89.17943	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-2	89.17943	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-2	89.17943	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-2	89.17943	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-2	89.17943	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-2	89.17943	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-2	89.17943	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-2	89.17943	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-2	89.17943	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-2	89.17943	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-2	89.17943	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-2	89.17943	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-2	89.17943	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-2	89.17943	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-2	89.17943	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-2	89.17943	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-2	89.17943	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol
85PL-2	89.17943	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol

85PL-2	89.17943	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-3	89.17944	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-3	89.17944	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-3	89.17944	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-3	89.17944	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-3	89.17944	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-3	89.17944	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-3	89.17944	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-3	89.17944	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-3	89.17944	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-3	89.17944	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-3	89.17944	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-3	89.17944	65850	< 330.		UG/KG	3/05/90		Benzoic acid
85PL-3	89.17944	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-3	89.17944	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-3	89.17944	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-3	89.17944	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-3	89.17944	117817	< 330.		UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-3	89.17944	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-3	89.17944	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-3	89.17944	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-3	89.17944	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-3	89.17944	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-3	89.17944	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-3	89.17944	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-3	89.17944	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-3	89.17944	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-3	89.17944	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-3	89.17944	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-3	89.17944	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-3	89.17944	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-3	89.17944	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-3	89.17944	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-3	89.17944	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-3	89.17944	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-3	89.17944	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-3	89.17944	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-3	89.17944	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-3	89.17944	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-3	89.17944	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-3	89.17944	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-3	89.17944	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-3	89.17944	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-3	89.17944	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-3	89.17944	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-3	89.17944	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-3	89.17944	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-3	89.17944	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-3	89.17944	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-3	89.17944	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-3	89.17944	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-3	89.17944	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-3	89.17944	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-3	89.17944	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-3	89.17944	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-3	89.17944	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-3	89.17944	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-3	89.17944	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-3	89.17944	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-3	89.17944	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-3	89.17944	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-3	89.17944	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-3	89.17944	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-3	89.17944	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-3	89.17944	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-3	89.17944	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-3	89.17944	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-3	89.17944	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-3	89.17944	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-3	89.17944	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol
85PL-3	89.17944	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol

85PL-3	89.17944	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-4	89.17945	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-4	89.17945	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-4	89.17945	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-4	89.17945	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-4	89.17945	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-4	89.17945	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-4	89.17945	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-4	89.17945	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-4	89.17945	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-4	89.17945	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-4	89.17945	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-4	89.17945	65850	< 330.		UG/KG	3/05/90		Benzoic acid
85PL-4	89.17945	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-4	89.17945	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-4	89.17945	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-4	89.17945	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-4	89.17945	117817	420.	84.	UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-4	89.17945	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-4	89.17945	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-4	89.17945	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-4	89.17945	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-4	89.17945	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-4	89.17945	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-4	89.17945	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-4	89.17945	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-4	89.17945	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-4	89.17945	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-4	89.17945	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-4	89.17945	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-4	89.17945	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-4	89.17945	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-4	89.17945	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-4	89.17945	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-4	89.17945	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-4	89.17945	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-4	89.17945	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-4	89.17945	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-4	89.17945	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-4	89.17945	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-4	89.17945	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-4	89.17945	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-4	89.17945	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-4	89.17945	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-4	89.17945	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-4	89.17945	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-4	89.17945	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-4	89.17945	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-4	89.17945	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-4	89.17945	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-4	89.17945	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-4	89.17945	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-4	89.17945	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-4	89.17945	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-4	89.17945	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-4	89.17945	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-4	89.17945	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-4	89.17945	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-4	89.17945	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-4	89.17945	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-4	89.17945	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-4	89.17945	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-4	89.17945	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-4	89.17945	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-4	89.17945	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-4	89.17945	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-4	89.17945	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-4	89.17945	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-4	89.17945	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-4	89.17945	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol
85PL-4	89.17945	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol

85PL-4	89.17945	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-5	89.17946	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-5	89.17946	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-5	89.17946	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-5	89.17946	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-5	89.17946	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-5	89.17946	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-5	89.17946	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-5	89.17946	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-5	89.17946	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-5	89.17946	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-5	89.17946	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-5	89.17946	65850	< 330.		UG/KG	3/05/90		Benzoic acid
85PL-5	89.17946	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-5	89.17946	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-5	89.17946	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-5	89.17946	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-5	89.17946	117817	390.	78.	UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-5	89.17946	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-5	89.17946	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-5	89.17946	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-5	89.17946	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-5	89.17946	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-5	89.17946	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-5	89.17946	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-5	89.17946	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-5	89.17946	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-5	89.17946	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-5	89.17946	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-5	89.17946	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-5	89.17946	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-5	89.17946	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-5	89.17946	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-5	89.17946	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-5	89.17946	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-5	89.17946	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-5	89.17946	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-5	89.17946	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-5	89.17946	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-5	89.17946	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-5	89.17946	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-5	89.17946	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-5	89.17946	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-5	89.17946	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-5	89.17946	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-5	89.17946	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-5	89.17946	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-5	89.17946	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-5	89.17946	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-5	89.17946	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-5	89.17946	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-5	89.17946	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-5	89.17946	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-5	89.17946	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-5	89.17946	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-5	89.17946	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-5	89.17946	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-5	89.17946	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-5	89.17946	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-5	89.17946	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-5	89.17946	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-5	89.17946	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-5	89.17946	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-5	89.17946	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-5	89.17946	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-5	89.17946	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-5	89.17946	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-5	89.17946	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-5	89.17946	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-5	89.17946	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol
85PL-5	89.17946	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol

85PL-5	89.17946	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-6	89.17947	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-6	89.17947	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-6	89.17947	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-6	89.17947	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-6	89.17947	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-6	89.17947	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-6	89.17947	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-6	89.17947	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-6	89.17947	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-6	89.17947	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-6	89.17947	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-6	89.17947	65850	< 330.		UG/KG	3/05/90		Benzoic acid
85PL-6	89.17947	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-6	89.17947	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-6	89.17947	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-6	89.17947	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-6	89.17947	117817	340.	68.	UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-6	89.17947	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-6	89.17947	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-6	89.17947	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-6	89.17947	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-6	89.17947	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-6	89.17947	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-6	89.17947	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-6	89.17947	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-6	89.17947	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-6	89.17947	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-6	89.17947	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-6	89.17947	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-6	89.17947	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-6	89.17947	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-6	89.17947	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-6	89.17947	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-6	89.17947	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-6	89.17947	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-6	89.17947	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-6	89.17947	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-6	89.17947	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-6	89.17947	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-6	89.17947	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-6	89.17947	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-6	89.17947	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-6	89.17947	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-6	89.17947	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-6	89.17947	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-6	89.17947	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-6	89.17947	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-6	89.17947	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-6	89.17947	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-6	89.17947	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-6	89.17947	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-6	89.17947	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-6	89.17947	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-6	89.17947	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-6	89.17947	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-6	89.17947	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-6	89.17947	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-6	89.17947	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-6	89.17947	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-6	89.17947	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-6	89.17947	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-6	89.17947	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-6	89.17947	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-6	89.17947	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-6	89.17947	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-6	89.17947	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-6	89.17947	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-6	89.17947	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-6	89.17947	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol
85PL-6	89.17947	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol

85PL-6	89.17947	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-7	89.17948	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-7	89.17948	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-7	89.17948	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-7	89.17948	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-7	89.17948	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-7	89.17948	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-7	89.17948	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-7	89.17948	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-7	89.17948	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-7	89.17948	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-7	89.17948	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-7	89.17948	65850	< 330.		UG/KG	3/05/90		Benzoic acid
85PL-7	89.17948	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-7	89.17948	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-7	89.17948	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-7	89.17948	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-7	89.17948	117817	590.	118.	UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-7	89.17948	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-7	89.17948	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-7	89.17948	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-7	89.17948	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-7	89.17948	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-7	89.17948	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-7	89.17948	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-7	89.17948	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-7	89.17948	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-7	89.17948	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-7	89.17948	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-7	89.17948	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-7	89.17948	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-7	89.17948	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-7	89.17948	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-7	89.17948	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-7	89.17948	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-7	89.17948	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-7	89.17948	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-7	89.17948	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-7	89.17948	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-7	89.17948	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-7	89.17948	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-7	89.17948	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-7	89.17948	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-7	89.17948	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-7	89.17948	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-7	89.17948	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-7	89.17948	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-7	89.17948	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-7	89.17948	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-7	89.17948	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-7	89.17948	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-7	89.17948	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-7	89.17948	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-7	89.17948	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-7	89.17948	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-7	89.17948	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-7	89.17948	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-7	89.17948	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-7	89.17948	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-7	89.17948	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-7	89.17948	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-7	89.17948	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-7	89.17948	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-7	89.17948	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-7	89.17948	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-7	89.17948	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-7	89.17948	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-7	89.17948	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-7	89.17948	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-7	89.17948	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol
85PL-7	89.17948	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol

85PL-7	89.17948	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-8	89.17949	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-8	89.17949	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-8	89.17949	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-8	89.17949	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-8	89.17949	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-8	89.17949	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-8	89.17949	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-8	89.17949	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-8	89.17949	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-8	89.17949	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-8	89.17949	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-8	89.17949	65850	< 330.		UG/KG	3/05/90		Benzoic acid
85PL-8	89.17949	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-8	89.17949	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-8	89.17949	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-8	89.17949	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-8	89.17949	117817	< 330.		UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-8	89.17949	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-8	89.17949	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-8	89.17949	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-8	89.17949	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-8	89.17949	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-8	89.17949	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-8	89.17949	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-8	89.17949	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-8	89.17949	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-8	89.17949	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-8	89.17949	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-8	89.17949	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-8	89.17949	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-8	89.17949	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-8	89.17949	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-8	89.17949	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-8	89.17949	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-8	89.17949	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-8	89.17949	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-8	89.17949	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-8	89.17949	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-8	89.17949	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-8	89.17949	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-8	89.17949	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-8	89.17949	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-8	89.17949	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-8	89.17949	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-8	89.17949	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-8	89.17949	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-8	89.17949	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-8	89.17949	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-8	89.17949	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-8	89.17949	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-8	89.17949	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-8	89.17949	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-8	89.17949	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-8	89.17949	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-8	89.17949	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-8	89.17949	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-8	89.17949	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-8	89.17949	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-8	89.17949	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-8	89.17949	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-8	89.17949	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-8	89.17949	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-8	89.17949	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-8	89.17949	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-8	89.17949	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-8	89.17949	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-8	89.17949	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-8	89.17949	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-8	89.17949	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol
85PL-8	89.17949	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol

85PL-8	89.17949	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-9	89.17950	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-9	89.17950	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-9	89.17950	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-9	89.17950	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-9	89.17950	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-9	89.17950	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-9	89.17950	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-9	89.17950	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-9	89.17950	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-9	89.17950	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-9	89.17950	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-9	89.17950	65850	< 330.		UG/KG	3/05/90		Benzoic acid
85PL-9	89.17950	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-9	89.17950	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-9	89.17950	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-9	89.17950	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-9	89.17950	117817	< 330.		UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-9	89.17950	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-9	89.17950	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-9	89.17950	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-9	89.17950	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-9	89.17950	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-9	89.17950	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-9	89.17950	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-9	89.17950	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-9	89.17950	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-9	89.17950	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-9	89.17950	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-9	89.17950	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-9	89.17950	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-9	89.17950	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-9	89.17950	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-9	89.17950	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-9	89.17950	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-9	89.17950	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-9	89.17950	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-9	89.17950	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-9	89.17950	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-9	89.17950	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-9	89.17950	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-9	89.17950	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-9	89.17950	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-9	89.17950	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-9	89.17950	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-9	89.17950	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-9	89.17950	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-9	89.17950	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-9	89.17950	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-9	89.17950	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-9	89.17950	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-9	89.17950	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-9	89.17950	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-9	89.17950	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-9	89.17950	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-9	89.17950	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-9	89.17950	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-9	89.17950	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-9	89.17950	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-9	89.17950	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-9	89.17950	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-9	89.17950	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-9	89.17950	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-9	89.17950	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-9	89.17950	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-9	89.17950	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-9	89.17950	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-9	89.17950	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-9	89.17950	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-9	89.17950	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol
85PL-9	89.17950	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol

85PL-9	89.17950	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-10	89.17951	83329	< 330.		UG/KG	3/05/90		Acenaphthene
85PL-10	89.17951	208968	< 330.		UG/KG	3/05/90		Acenaphthylene
85PL-10	89.17951	62533	< 330.		UG/KG	3/05/90		Aniline
85PL-10	89.17951	120127	< 330.		UG/KG	3/05/90		Anthracene
85PL-10	89.17951	103333	< 330.		UG/KG	3/05/90		Azobenzene
85PL-10	89.17951	56553	< 330.		UG/KG	3/05/90		Benz(a)anthracene
85PL-10	89.17951	92875	< 330.		UG/KG	3/05/90		m-Benzidine
85PL-10	89.17951	191242	< 330.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-10	89.17951	50328	< 330.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-10	89.17951	205992	< 330.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-10	89.17951	207089	< 330.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-10	89.17951	65850	< 330.		UG/KG	3/05/90		Benzoic acid
85PL-10	89.17951	100516	< 330.		UG/KG	3/05/90		Benzyl alcohol
85PL-10	89.17951	111911	< 330.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-10	89.17951	111444	< 330.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-10	89.17951	108601	< 330.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-10	89.17951	117817	< 330.		UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-10	89.17951	101553	< 330.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-10	89.17951	85687	< 330.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-10	89.17951	59507	< 330.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-10	89.17951	106478	< 330.		UG/KG	3/05/90		4-Chloroaniline
85PL-10	89.17951	91587	< 330.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-10	89.17951	95578	< 330.		UG/KG	3/05/90		o-Chlorophenol
85PL-10	89.17951	7005723	< 330.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-10	89.17951	218019	< 330.		UG/KG	3/05/90		Chrysene

85PL-10	89.17951	106445	< 330.	UG/KG	3/05/90	p-Cresol
85PL-10	89.17951	84742	< 330.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-10	89.17951	117840	< 330.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-10	89.17951	53703	< 330.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-10	89.17951	132649	< 330.	UG/KG	3/05/90	Dibenzofuran
85PL-10	89.17951	95501	< 330.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-10	89.17951	541731	< 330.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-10	89.17951	106467	< 330.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-10	89.17951	91941	< 330.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-10	89.17951	120832	< 330.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-10	89.17951	84662	< 330.	UG/KG	3/05/90	Diethyl phthalate
85PL-10	89.17951	131113	< 330.	UG/KG	3/05/90	Dimethyl phthalate
85PL-10	89.17951	105679	< 330.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-10	89.17951	51285	< 330.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-10	89.17951	606202	< 330.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-10	89.17951	121142	< 330.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-10	89.17951	206440	< 330.	UG/KG	3/05/90	Fluoranthene
85PL-10	89.17951	86737	< 330.	UG/KG	3/05/90	Fluorene
85PL-10	89.17951	118741	< 330.	UG/KG	3/05/90	Hexachlorobenzene
85PL-10	89.17951	87683	< 330.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-10	89.17951	77474	< 330.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-10	89.17951	67721	< 330.	UG/KG	3/05/90	Hexachloroethane
85PL-10	89.17951	193395	< 330.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-10	89.17951	78591	< 330.	UG/KG	3/05/90	Isophorone
85PL-10	89.17951	534521	< 330.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-10	89.17951	91576	< 330.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-10	89.17951	95487	< 330.	UG/KG	3/05/90	2-Methylphenol
85PL-10	89.17951	106445	< 330.	UG/KG	3/05/90	4-Methylphenol
85PL-10	89.17951	91203	< 330.	UG/KG	3/05/90	Naphthalene
85PL-10	89.17951	100016	< 330.	UG/KG	3/05/90	4-Nitroaniline
85PL-10	89.17951	99092	< 330.	UG/KG	3/05/90	3-Nitroaniline
85PL-10	89.17951	88744	< 330.	UG/KG	3/05/90	2-Nitroaniline
85PL-10	89.17951	98953	< 330.	UG/KG	3/05/90	Nitrobenzene
85PL-10	89.17951	88755	< 330.	UG/KG	3/05/90	2-Nitrophenol
85PL-10	89.17951	100027	< 330.	UG/KG	3/05/90	4-Nitrophenol
85PL-10	89.17951	621647	< 330.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-10	89.17951	62759	< 330.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-10	89.17951	86306	< 330.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-10	89.17951	87865	< 330.	UG/KG	3/05/90	Pentachlorophenol
85PL-10	89.17951	85018	< 330.	UG/KG	3/05/90	Phenanthrene
85PL-10	89.17951	108952	< 330.	UG/KG	3/05/90	Phenol
85PL-10	89.17951	129000	< 330.	UG/KG	3/05/90	Pyrene
85PL-10	89.17951	120821	< 330.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-10	89.17951	95954	< 330.	UG/KG	3/05/90	2,4,5-Trichlorophenol
85PL-10	89.17951	88062	< 330.	UG/KG	3/05/90	2,4,6-Trichlorophenol

85PL-10	89.17951	105679	< 330.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-11	89.17952	83329	< 1386.		UG/KG	3/05/90		Acenaphthene
85PL-11	89.17952	208968	< 1386.		UG/KG	3/05/90		Acenaphthylene
85PL-11	89.17952	62533	< 1386.		UG/KG	3/05/90		Aniline
85PL-11	89.17952	120127	< 1386.		UG/KG	3/05/90		Anthracene
85PL-11	89.17952	103333	< 1386.		UG/KG	3/05/90		Azobenzene
85PL-11	89.17952	56553	< 1386.		UG/KG	3/05/90		Benz(a)anthracene
85PL-11	89.17952	92875	< 1386.		UG/KG	3/05/90		m-Benzidine
85PL-11	89.17952	191242	< 1386.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-11	89.17952	50328	< 1386.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-11	89.17952	205992	< 1386.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-11	89.17952	207089	< 1386.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-11	89.17952	65850	< 1386.		UG/KG	3/05/90		Benzoic acid
85PL-11	89.17952	100516	< 1386.		UG/KG	3/05/90		Benzyl alcohol
85PL-11	89.17952	111911	< 1386.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-11	89.17952	111444	< 1386.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-11	89.17952	108601	< 1386.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-11	89.17952	117817	< 1386.		UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-11	89.17952	101553	< 1386.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-11	89.17952	85687	< 1386.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-11	89.17952	59507	< 1386.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-11	89.17952	106478	< 1386.		UG/KG	3/05/90		4-Chloroaniline
85PL-11	89.17952	91587	< 1386.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-11	89.17952	95578	< 1386.		UG/KG	3/05/90		o-Chlorophenol
85PL-11	89.17952	7005723	< 1386.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-11	89.17952	218019	< 1386.		UG/KG	3/05/90		Chrysene

85PL-11	89.17952	106445	< 1386.	UG/KG	3/05/90	p-Cresol
85PL-11	89.17952	84742	< 1386.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-11	89.17952	117840	< 1386.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-11	89.17952	53703	< 1386.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-11	89.17952	132649	< 1386.	UG/KG	3/05/90	Dibenzofuran
85PL-11	89.17952	95501	< 1386.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-11	89.17952	541731	< 1386.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-11	89.17952	106467	< 1386.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-11	89.17952	91941	< 1386.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-11	89.17952	120832	< 1386.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-11	89.17952	84662	< 1386.	UG/KG	3/05/90	Diethyl phthalate
85PL-11	89.17952	131113	< 1386.	UG/KG	3/05/90	Dimethyl phthalate
85PL-11	89.17952	105679	< 1386.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-11	89.17952	51285	< 1386.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-11	89.17952	121142	< 1386.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-11	89.17952	606202	< 1386.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-11	89.17952	206440	< 1386.	UG/KG	3/05/90	Fluoranthene
85PL-11	89.17952	86737	< 1386.	UG/KG	3/05/90	Fluorene
85PL-11	89.17952	118741	< 1386.	UG/KG	3/05/90	Hexachlorobenzene
85PL-11	89.17952	87683	< 1386.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-11	89.17952	77474	< 1386.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-11	89.17952	67721	< 1386.	UG/KG	3/05/90	Hexachloroethane
85PL-11	89.17952	193395	< 1386.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-11	89.17952	78591	< 1386.	UG/KG	3/05/90	Isophorone
85PL-11	89.17952	534521	< 1386.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-11	89.17952	91576	< 1386.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-11	89.17952	95487	< 1386.	UG/KG	3/05/90	2-Methylphenol
85PL-11	89.17952	106445	< 1386.	UG/KG	3/05/90	4-Methylphenol
85PL-11	89.17952	91203	< 1386.	UG/KG	3/05/90	Naphthalene
85PL-11	89.17952	99092	< 1386.	UG/KG	3/05/90	3-Nitroaniline
85PL-11	89.17952	88744	< 1386.	UG/KG	3/05/90	2-Nitroaniline
85PL-11	89.17952	100016	< 1386.	UG/KG	3/05/90	4-Nitroaniline
85PL-11	89.17952	98953	< 1386.	UG/KG	3/05/90	Nitrobenzene
85PL-11	89.17952	88755	< 1386.	UG/KG	3/05/90	2-Nitrophenol
85PL-11	89.17952	100027	< 1386.	UG/KG	3/05/90	4-Nitrophenol
85PL-11	89.17952	621647	< 1386.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-11	89.17952	62759	< 1386.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-11	89.17952	86306	< 1386.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-11	89.17952	87865	< 1386.	UG/KG	3/05/90	Pentachlorophenol
85PL-11	89.17952	85018	< 1386.	UG/KG	3/05/90	Phenanthrene
85PL-11	89.17952	108952	< 1386.	UG/KG	3/05/90	Phenol
85PL-11	89.17952	129000	< 1386.	UG/KG	3/05/90	Pyrene
85PL-11	89.17952	120821	< 1386.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-11	89.17952	95954	< 1386.	UG/KG	3/05/90	2,4,5-Trichlorophenol
85PL-11	89.17952	88062	< 1386.	UG/KG	3/05/90	2,4,6-Trichlorophenol

85PL-11	89.17952	105679	< 1386.	UG/KG	3/05/90	2,4-Xylenol

REPORT NUMBER: 5865

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 6-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-12	89.17953	83329	< 1386.		UG/KG	3/05/90		Acenaphthene
85PL-12	89.17953	208968	< 1386.		UG/KG	3/05/90		Acenaphthylene
85PL-12	89.17953	62533	< 1386.		UG/KG	3/05/90		Aniline
85PL-12	89.17953	120127	< 1386.		UG/KG	3/05/90		Anthracene
85PL-12	89.17953	103333	< 1386.		UG/KG	3/05/90		Azobenzene
85PL-12	89.17953	56553	< 1386.		UG/KG	3/05/90		Benz(a)anthracene
85PL-12	89.17953	92875	< 1386.		UG/KG	3/05/90		m-Benzidine
85PL-12	89.17953	191242	< 1386.		UG/KG	3/05/90		Benzo(g,h,i)perylene
85PL-12	89.17953	50328	< 1386.		UG/KG	3/05/90		Benzo-a-pyrene
85PL-12	89.17953	205992	< 1386.		UG/KG	3/05/90		Benzo-b-fluoranthene
85PL-12	89.17953	207089	< 1386.		UG/KG	3/05/90		Benzo-k-fluoranthene
85PL-12	89.17953	65850	< 1386.		UG/KG	3/05/90		Benzoic acid
85PL-12	89.17953	100516	< 1386.		UG/KG	3/05/90		Benzyl alcohol
85PL-12	89.17953	111911	< 1386.		UG/KG	3/05/90		Bis(2-chloroethoxy)methane
85PL-12	89.17953	111444	< 1386.		UG/KG	3/05/90		Bis(2-chloroethyl)ether
85PL-12	89.17953	108601	< 1386.		UG/KG	3/05/90		Bis(2-chloroisopropyl)ether
85PL-12	89.17953	117817	< 1386.		UG/KG	3/05/90		Bis(2-ethylhexyl)phthalate
85PL-12	89.17953	101553	< 1386.		UG/KG	3/05/90		4-Bromophenylphenyl ether
85PL-12	89.17953	85687	< 1386.		UG/KG	3/05/90		Butylbenzyl phthalate
85PL-12	89.17953	59507	< 1386.		UG/KG	3/05/90		4-Chloro-3-methylphenol
85PL-12	89.17953	106478	< 1386.		UG/KG	3/05/90		4-Chloroaniline
85PL-12	89.17953	91587	< 1386.		UG/KG	3/05/90		2-Chloronaphthalene
85PL-12	89.17953	95578	< 1386.		UG/KG	3/05/90		o-Chlorophenol
85PL-12	89.17953	7005723	< 1386.		UG/KG	3/05/90		4-Chlorophenylphenyl ether
85PL-12	89.17953	218019	< 1386.		UG/KG	3/05/90		Chrysene

85PL-12	89.17953	106445	< 1386.	UG/KG	3/05/90	p-Cresol
85PL-12	89.17953	84742	< 1386.	UG/KG	3/05/90	Di-n-butyl phthalate
85PL-12	89.17953	117840	< 1386.	UG/KG	3/05/90	Di-n-octyl phthalate
85PL-12	89.17953	53703	< 1386.	UG/KG	3/05/90	Dibenzo(a,h)anthracene
85PL-12	89.17953	132649	< 1386.	UG/KG	3/05/90	Dibenzofuran
85PL-12	89.17953	95501	< 1386.	UG/KG	3/05/90	o-Dichlorobenzene (1,2)
85PL-12	89.17953	541731	< 1386.	UG/KG	3/05/90	m-Dichlorobenzene (1,3)
85PL-12	89.17953	106467	< 1386.	UG/KG	3/05/90	p-Dichlorobenzene (1,4)
85PL-12	89.17953	91941	< 1386.	UG/KG	3/05/90	3,3'-Dichlorobenzidine
85PL-12	89.17953	120832	< 1386.	UG/KG	3/05/90	2,4-Dichlorophenol
85PL-12	89.17953	84662	< 1386.	UG/KG	3/05/90	Diethyl phthalate
85PL-12	89.17953	131113	< 1386.	UG/KG	3/05/90	Dimethyl phthalate
85PL-12	89.17953	105679	< 1386.	UG/KG	3/05/90	2,4-Dimethylphenol
85PL-12	89.17953	51285	< 1386.	UG/KG	3/05/90	2,4-Dinitrophenol
85PL-12	89.17953	121142	< 1386.	UG/KG	3/05/90	2,4-Dinitrotoluene
85PL-12	89.17953	606202	< 1386.	UG/KG	3/05/90	2,6-Dinitrotoluene
85PL-12	89.17953	206440	< 1386.	UG/KG	3/05/90	Fluoranthene
85PL-12	89.17953	86737	< 1386.	UG/KG	3/05/90	Fluorene
85PL-12	89.17953	118741	< 1386.	UG/KG	3/05/90	Hexachlorobenzene
85PL-12	89.17953	87683	< 1386.	UG/KG	3/05/90	Hexachlorobutadiene
85PL-12	89.17953	77474	< 1386.	UG/KG	3/05/90	Hexachlorocyclopentadiene
85PL-12	89.17953	67721	< 1386.	UG/KG	3/05/90	Hexachloroethane
85PL-12	89.17953	193395	< 1386.	UG/KG	3/05/90	Indeno(1,2,3-cd)pyrene
85PL-12	89.17953	78591	< 1386.	UG/KG	3/05/90	Isophorone
85PL-12	89.17953	534521	< 1386.	UG/KG	3/05/90	2-Methyl-4,6-dinitrophenol
85PL-12	89.17953	91576	< 1386.	UG/KG	3/05/90	2-Methylnaphthalene
85PL-12	89.17953	95487	< 1386.	UG/KG	3/05/90	2-Methylphenol
85PL-12	89.17953	106445	< 1386.	UG/KG	3/05/90	4-Methylphenol
85PL-12	89.17953	91203	< 1386.	UG/KG	3/05/90	Naphthalene
85PL-12	89.17953	88744	< 1386.	UG/KG	3/05/90	2-Nitroaniline
85PL-12	89.17953	99092	< 1386.	UG/KG	3/05/90	3-Nitroaniline
85PL-12	89.17953	100016	< 1386.	UG/KG	3/05/90	4-Nitroaniline
85PL-12	89.17953	98953	< 1386.	UG/KG	3/05/90	Nitrobenzene
85PL-12	89.17953	100027	< 1386.	UG/KG	3/05/90	4-Nitrophenol
85PL-12	89.17953	88755	< 1386.	UG/KG	3/05/90	2-Nitrophenol
85PL-12	89.17953	621647	< 1386.	UG/KG	3/05/90	N-Nitrosodi-n-propylamine
85PL-12	89.17953	62759	< 1386.	UG/KG	3/05/90	N-Nitrosodimethylamine
85PL-12	89.17953	86306	< 1386.	UG/KG	3/05/90	N-Nitrosodiphenylamine
85PL-12	89.17953	87865	< 1386.	UG/KG	3/05/90	Pentachlorophenol
85PL-12	89.17953	85018	< 1386.	UG/KG	3/05/90	Phenanthrene
85PL-12	89.17953	108952	< 1386.	UG/KG	3/05/90	Phenol
85PL-12	89.17953	129000	< 1386.	UG/KG	3/05/90	Pyrene
85PL-12	89.17953	120821	< 1386.	UG/KG	3/05/90	1,2,4-Trichlorobenzene
85PL-12	89.17953	88062	< 1386.	UG/KG	3/05/90	2,4,6-Trichlorophenol
85PL-12	89.17953	95954	< 1386.	UG/KG	3/05/90	2,4,5-Trichlorophenol

85PL-12	89.17953	105679	< 1386.	UG/KG	3/05/90	2,4-Xylenol

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REPORT NUMBER: 5885 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: MBP on 8-Mar-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 8298 MATRIX: ANALYST: Martin Koby PROGRAM CODE:

OWNER: GROUP: MAIL-STOP: PHONE: TASK-ID:

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

____ No QC samples run with this sample batch.

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

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

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
89.18041	83329	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Acenaphthene
89.18041	208968	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Acenaphthylene
89.18041	62533	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Aniline
89.18041	120127	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Anthracene
89.18041	103333	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Azobenzene
89.18041	56553	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Benz(a)anthracene
89.18041	92875	< 0.33		MG/KG			3/05/90	UNDER CONTROL	m-Benzidine

89.18041	191242	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Benzo(g,h,i)perylene
89.18041	50328	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Benzo-a-pyrene
89.18041	205992	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Benzo-b-fluoranthene
89.18041	207089	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Benzo-k-fluoranthene
89.18041	65850	0.79	0.158	MG/KG			3/05/90	OUT OF CONTROL	Benzoic acid
89.18041	100516	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Benzyl alcohol
89.18041	111911	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Bis(2-chloroethoxy)methane
89.18041	111444	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Bis(2-chloroethyl)ether
89.18041	108601	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Bis(2-chloroisopropyl)ether
89.18041	117817	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
89.18041	101553	< 0.33		MG/KG			3/05/90	UNDER CONTROL	4-Bromophenylphenyl ether
89.18041	85687	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Butylbenzyl phthalate
89.18041	59507	< 0.33		MG/KG			3/05/90	UNDER CONTROL	4-Chloro-3-methylphenol
89.18041	106478	< 0.33		MG/KG			3/05/90	UNDER CONTROL	4-Chloroaniline
89.18041	91587	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2-Chloronaphthalene
89.18041	95578	< 0.33		MG/KG			3/05/90	UNDER CONTROL	o-Chlorophenol
89.18041	7005723	< 0.33		MG/KG			3/05/90	UNDER CONTROL	4-Chlorophenylphenyl ether
89.18041	218019	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Chrysene
89.18041	106445	< 0.33		MG/KG			3/05/90	UNDER CONTROL	p-Cresol
89.18041	84742	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Di-n-butyl phthalate
89.18041	117840	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Di-n-octyl phthalate
89.18041	53703	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Dibenzo(a,h)anthracene
89.18041	132649	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Dibenzofuran
89.18041	95501	< 0.33		MG/KG			3/05/90	UNDER CONTROL	o-Dichlorobenzene (1,2)
89.18041	541731	< 0.33		MG/KG			3/05/90	UNDER CONTROL	m-Dichlorobenzene (1,3)
89.18041	106467	< 0.33		MG/KG			3/05/90	UNDER CONTROL	p-Dichlorobenzene (1,4)
89.18041	91941	< 0.33		MG/KG			3/05/90	UNDER CONTROL	3,3'-Dichlorobenzidine
89.18041	120832	2.3	0.46	MG/KG	3.2	0.3	3/05/90	UNDER CONTROL	2,4-Dichlorophenol
89.18041	84662	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Diethyl phthalate
89.18041	131113	2.8	0.56	MG/KG	3.5	0.4	3/05/90	UNDER CONTROL	Dimethyl phthalate
89.18041	105679	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2,4-Dimethylphenol
89.18041	51285	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2,4-Dinitrophenol
89.18041	606202	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2,6-Dinitrotoluene
89.18041	121142	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2,4-Dinitrotoluene
89.18041	206440	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Fluoranthene
89.18041	86737	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Fluorene
89.18041	118741	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Hexachlorobenzene
89.18041	87683	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Hexachlorobutadiene
89.18041	77474	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Hexachlorocyclopentadiene
89.18041	67721	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Hexachloroethane
89.18041	193395	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Indeno(1,2,3-cd)pyrene
89.18041	78591	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Isophorone
89.18041	534521	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
89.18041	91576	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2-Methylnaphthalene
89.18041	95487	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2-Methylphenol

89.18041	106445	< 0.33		MG/KG			3/05/90	UNDER CONTROL	4-Methylphenol
89.18041	91203	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Naphthalene
89.18041	100016	< 0.33		MG/KG			3/05/90	UNDER CONTROL	4-Nitroaniline
89.18041	99092	< 0.33		MG/KG			3/05/90	UNDER CONTROL	3-Nitroaniline
89.18041	88744	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2-Nitroaniline
89.18041	98953	1.5	0.3	MG/KG	2.9	0.3	3/05/90	OUT OF CONTROL	Nitrobenzene
89.18041	100027	< 0.33		MG/KG			3/05/90	UNDER CONTROL	4-Nitrophenol
89.18041	88755	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2-Nitrophenol
89.18041	621647	< 0.33		MG/KG			3/05/90	UNDER CONTROL	N-Nitrosodi-n-propylamine
89.18041	62759	< 0.33		MG/KG			3/05/90	UNDER CONTROL	N-Nitrosodimethylamine
89.18041	86306	< 0.33		MG/KG			3/05/90	UNDER CONTROL	N-Nitrosodiphenylamine
89.18041	87865	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Pentachlorophenol
89.18041	85018	2.5	0.5	MG/KG	2.8	0.3	3/05/90	UNDER CONTROL	Phenanthrene
89.18041	108952	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Phenol
89.18041	129000	< 0.33		MG/KG			3/05/90	UNDER CONTROL	Pyrene
89.18041	120821	< 0.33		MG/KG			3/05/90	UNDER CONTROL	1,2,4-Trichlorobenzene
89.18041	95954	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2,4,5-Trichlorophenol
89.18041	88062	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2,4,6-Trichlorophenol
89.18041	105679	< 0.33		MG/KG			3/05/90	UNDER CONTROL	2,4-Xylenol

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
89.18041	%	45.	60.	52.	69.	91.	81.	5-Mar-1990
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	

MWKolby 3/9/90
Analyst

3/9/90
Section Leader

mag 3/9/90
QA Officer

Date	Date	Date

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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POLYCHLORINATED BIPHENYL ANALYSES

December 20, 1989

TA-35 TSL-85 SI
Soils below UST pipeline
Recorded 1/3/90

Steve,

Attached you will find a copy of the **final** report for the soil samples that you submitted for PCB analysis under Request #8298. If you have any questions regarding these results, please do not hesitate to contact me at 7-5889 or stop by my office (TA-59, OH-1, Room 115) at your convenience. Thank you for your continued support of our PCB analysis program.

Chuck Rzeszutko

Organic Section Leader

HSE-9

REPORT NUMBER: 5133

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DMS on 15-Dec-1989

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Dee Seitz

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-1	89.17942	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-2	89.17943	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-3	89.17944	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-4	89.17945	1336363	1.1	0.2	UG/G			Mixed-Aroclor
85PL-5	89.17946	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-6	89.17947	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-7	89.17948	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-8	89.17949	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-9	89.17950	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-10	89.17951	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-11	89.17952	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-12	89.17953	1336363	< 0.12		UG/G			Mixed-Aroclor

DETAILED PCB DATA for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85PL-1	89.17942	1336363	< 0.12		UG/G			Mixed-Aroclor
85PL-1	89.17942	53469219	< 0.12		UG/G	12/15/89		Aroclor 1242

85PL-1	89.17942	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-1	89.17942	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-2	89.17943	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-2	89.17943	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-2	89.17943	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-2	89.17943	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-3	89.17944	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-3	89.17944	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-3	89.17944	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-3	89.17944	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-4	89.17945	1336363	1.1	0.2	UG/G		Mixed-Aroclor
85PL-4	89.17945	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-4	89.17945	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-4	89.17945	11096825	1.1	0.2	UG/G	12/15/89	Aroclor 1260
85PL-5	89.17946	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-5	89.17946	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-5	89.17946	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-5	89.17946	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-6	89.17947	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-6	89.17947	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-6	89.17947	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-6	89.17947	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-7	89.17948	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-7	89.17948	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-7	89.17948	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-7	89.17948	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-8	89.17949	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-8	89.17949	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-8	89.17949	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-8	89.17949	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-9	89.17950	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-9	89.17950	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-9	89.17950	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-9	89.17950	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-10	89.17951	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-10	89.17951	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-10	89.17951	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-10	89.17951	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-11	89.17952	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-11	89.17952	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-11	89.17952	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254
85PL-11	89.17952	11096825	< 0.12		UG/G	12/15/89	Aroclor 1260
85PL-12	89.17953	1336363	< 0.12		UG/G		Mixed-Aroclor
85PL-12	89.17953	53469219	< 0.12		UG/G	12/15/89	Aroclor 1242
85PL-12	89.17953	11097691	< 0.12		UG/G	12/15/89	Aroclor 1254

85PL-12	89.17953	11096825	< 0.12	UG/G	12/15/89	Aroclor 1260

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REPORT NUMBER: 5133 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: DMS on 15-Dec-1989

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 8298 MATRIX: SS ANALYST: Dee Seitz

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND
00.20185	00.20185	1336363	18.5	4.	UG/G	16.	2.	12/15/89	UNDER CONTROL	Mixed-Aroclor
00.20185	00.20185	53469219	< 0.12		UG/G			12/15/89	UNDER CONTROL	Aroclor 1242
00.20185	00.20185	11097691	< 0.12		UG/G			12/15/89	UNDER CONTROL	Aroclor 1254
00.20185	00.20185	11096825	18.5	4.	UG/G	16.	2.	12/15/89	UNDER CONTROL	Aroclor 1260
00.20186	00.20186	1336363	28.6	6.	UG/G	19.	2.	12/15/89	UNDER CONTROL	Mixed-Aroclor
00.20186	00.20186	53469219	< 0.12		UG/G			12/15/89	UNDER CONTROL	Aroclor 1242
00.20186	00.20186	11097691	< 0.12		UG/G			12/15/89	UNDER CONTROL	Aroclor 1254
00.20186	00.20186	11096825	28.6	6.	UG/G	19.	2.	12/15/89	UNDER CONTROL	Aroclor 1260

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

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND-NAME
89.18042	1336363	51.	11.	UG/G	12/15/89	UNDER CONTROL	Mixed-Aroclor
89.18042	53469219	< 0.12		UG/G	12/15/89	UNDER CONTROL	Aroclor 1242
89.18042	11097691	< 0.12		UG/G	12/15/89	UNDER CONTROL	Aroclor 1254
89.18042	11096825	51.	11.	UG/G	12/15/89	UNDER CONTROL	Aroclor 1260

Analyst	Section Leader	QA Officer
12/18/89	12/18/89	12-19-89
Date	Date	Date

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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METAL ANALYSES

REPORT NUMBER: 5593

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: M. C. WILLIAMS on 7-Feb-1990

ANALYSIS: AG REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Trudi Foreman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

ANALYTICAL TECHNIQUE: FAA ANALYTICAL PROCEDURE : 7760

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	< 1.5		UG/G	2/06/90	
85PL-1	89.17942	< 1.5		UG/G	2/06/90	
85PL-2	89.17943	< 1.5		UG/G	2/06/90	
85PL-2	89.17943	< 1.5		UG/G	2/06/90	
85PL-3	89.17944	< 1.5		UG/G	2/06/90	
85PL-3	89.17944	< 1.5		UG/G	2/06/90	
85PL-4	89.17945	< 1.5		UG/G	2/06/90	
85PL-4	89.17945	< 1.5		UG/G	2/06/90	
85PL-5	89.17946	< 1.5		UG/G	2/06/90	
85PL-5	89.17946	< 1.5		UG/G	2/06/90	
85PL-6	89.17947	< 1.5		UG/G	2/06/90	
85PL-6	89.17947	< 1.5		UG/G	2/06/90	
85PL-7	89.17948	< 1.5		UG/G	2/06/90	
85PL-7	89.17948	< 1.5		UG/G	2/06/90	
85PL-8	89.17949	< 1.5		UG/G	2/06/90	
85PL-8	89.17949	< 1.5		UG/G	2/06/90	
85PL-9	89.17950	< 1.5		UG/G	2/06/90	
85PL-9	89.17950	< 1.5		UG/G	2/06/90	
85PL-10	89.17951	< 1.5		UG/G	2/06/90	
85PL-10	89.17951	< 1.5		UG/G	2/06/90	
85PL-11	89.17952	< 1.5		UG/G	2/06/90	
85PL-11	89.17952	< 1.5		UG/G	2/06/90	
85PL-12	89.17953	< 1.5		UG/G	2/06/90	
85PL-12	89.17953	< 1.5		UG/G	2/06/90	

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REPORT NUMBER: 5593 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: M. C. WILLIAMS on 7-Feb-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Trudi Foreman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.98805	00.98805	0.499	0.05	MG/L	0.5	0.05	2/06/90	UNDER CONTROL
00.98805	00.98805	0.505	0.05	MG/L	0.5	0.05	2/06/90	UNDER CONTROL
00.98805	00.98805	0.502	0.05	MG/L	0.5	0.05	2/06/90	UNDER CONTROL

Analyst	Section Leader	QA Officer
2-8-90	2-8-90	2-8-90
Date	Date	Date

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: 5591

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: M. C. WILLIAMS on 7-Feb-1990

ANALYSIS: AS REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Trudi Foreman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

ANALYTICAL TECHNIQUE: ETVAA ANALYTICAL PROCEDURE : 7060

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	< 2.5		UG/G	2/06/90	
85PL-1	89.17942	< 2.5		UG/G	2/06/90	
85PL-2	89.17943	< 2.5		UG/G	2/06/90	
85PL-2	89.17943	< 2.5		UG/G	2/06/90	
85PL-3	89.17944	< 2.5		UG/G	2/06/90	
85PL-3	89.17944	< 2.5		UG/G	2/06/90	
85PL-4	89.17945	< 2.5		UG/G	2/06/90	
85PL-4	89.17945	< 2.5		UG/G	2/06/90	
85PL-5	89.17946	< 2.5		UG/G	2/06/90	
85PL-5	89.17946	< 2.5		UG/G	2/06/90	
85PL-6	89.17947	< 2.5		UG/G	2/06/90	
85PL-6	89.17947	< 2.5		UG/G	2/06/90	
85PL-7	89.17948	< 2.5		UG/G	2/06/90	
85PL-7	89.17948	< 2.5		UG/G	2/06/90	
85PL-8	89.17949	< 2.5		UG/G	2/06/90	
85PL-8	89.17949	< 2.5		UG/G	2/06/90	
85PL-9	89.17950	< 2.5		UG/G	2/06/90	
85PL-9	89.17950	< 2.5		UG/G	2/06/90	
85PL-10	89.17951	< 2.5		UG/G	2/06/90	
85PL-10	89.17951	< 2.5		UG/G	2/06/90	
85PL-11	89.17952	< 2.5		UG/G	2/06/90	
85PL-11	89.17952	< 2.5		UG/G	2/06/90	
85PL-12	89.17953	< 2.5		UG/G	2/06/90	
85PL-12	89.17953	< 2.5		UG/G	2/06/90	

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REPORT NUMBER: 5591 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: M. C. WILLIAMS on 7-Feb-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Trudi Foreman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.01010	00.01010	31.6	6.4	UG/L	27.	3.	2/06/90	UNDER CONTROL
00.01010	00.01010	29.2	5.8	UG/L	27.	3.	2/06/90	UNDER CONTROL
00.01010	00.01010	28.8	5.8	UG/L	27.	3.	2/06/90	UNDER CONTROL

Analyst	Section Leader	QA Officer
Date	2-8-90 Date	2-8-90 Date

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: 5594

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: M. C. WILLIAMS on 7-Feb-1990

ANALYSIS: SE REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Trudi Foreman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

ANALYTICAL TECHNIQUE: ETVAA ANALYTICAL PROCEDURE : 7740

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	< 0.1		UG/G	2/06/90	
85PL-1	89.17942	< 0.1		UG/G	2/06/90	
85PL-2	89.17943	< 0.1		UG/G	2/06/90	
85PL-2	89.17943	< 0.1		UG/G	2/06/90	
85PL-3	89.17944	< 0.1		UG/G	2/06/90	
85PL-3	89.17944	< 0.1		UG/G	2/06/90	
85PL-4	89.17945	0.1	1.	UG/G	2/06/90	
85PL-4	89.17945	0.1	1.	UG/G	2/06/90	
85PL-5	89.17946	< 0.1		UG/G	2/06/90	
85PL-5	89.17946	< 0.1		UG/G	2/06/90	
85PL-6	89.17947	< 0.1		UG/G	2/06/90	
85PL-6	89.17947	< 0.1		UG/G	2/06/90	
85PL-7	89.17948	< 0.1		UG/G	2/06/90	
85PL-7	89.17948	< 0.1		UG/G	2/06/90	
85PL-8	89.17949	< 0.1		UG/G	2/06/90	
85PL-8	89.17949	< 0.1		UG/G	2/06/90	
85PL-9	89.17950	< 0.1		UG/G	2/06/90	
85PL-9	89.17950	< 0.1		UG/G	2/06/90	
85PL-10	89.17951	< 0.1		UG/G	2/06/90	
85PL-10	89.17951	< 0.1		UG/G	2/06/90	
85PL-11	89.17952	< 0.1		UG/G	2/06/90	
85PL-11	89.17952	< 0.1		UG/G	2/06/90	
85PL-12	89.17953	< 0.1		UG/G	2/06/90	
85PL-12	89.17953	< 0.1		UG/G	2/06/90	

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REPORT NUMBER: 5594 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: M. C. WILLIAMS on 7-Feb-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Trudi Foreman PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

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

____ No QC samples run with this sample batch.

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

Analyst	Section Leader	QA Officer
2-8-90	2-8-90	2-8-90
Date	Date	Date

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: 5333

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 18-Jan-1990

ANALYSIS: HG REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Malti Bhatia PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE : 7480

TSL-85
Soils below UST & PVC pipeline

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	< 0.025		UG/G	1/12/90	
85PL-1	89.17942	< 0.025		UG/G	1/12/90	
85PL-2	89.17943	< 0.025		UG/G	1/12/90	
85PL-2	89.17943	< 0.025		UG/G	1/12/90	
85PL-3	89.17944	< 0.025		UG/G	1/12/90	
85PL-3	89.17944	< 0.025		UG/G	1/12/90	
85PL-4	89.17945	< 0.025		UG/G	1/12/90	
85PL-4	89.17945	0.052		UG/G	1/12/90	
85PL-5	89.17946	< 0.025		UG/G	1/12/90	
85PL-5	89.17946	< 0.025		UG/G	1/12/90	
85PL-6	89.17947	0.037		UG/G	1/12/90	
85PL-6	89.17947	0.037		UG/G	1/12/90	
85PL-7	89.17948	< 0.025		UG/G	1/12/90	
85PL-7	89.17948	< 0.025		UG/G	1/12/90	
85PL-8	89.17949	< 0.025		UG/G	1/12/90	
85PL-8	89.17949	< 0.025		UG/G	1/12/90	
85PL-9	89.17950	< 0.025		UG/G	1/12/90	
85PL-9	89.17950	< 0.025		UG/G	1/12/90	
85PL-10	89.17951	< 0.025		UG/G	1/12/90	
85PL-10	89.17951	< 0.025		UG/G	1/12/90	
85PL-11	89.17952	0.049		UG/G	1/12/90	
85PL-11	89.17952	0.048		UG/G	1/12/90	
85PL-12	89.17953	< 0.025		UG/G	1/12/90	
85PL-12	89.17953	< 0.025		UG/G	1/12/90	

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REPORT NUMBER: 5333 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: ESG on 18-Jan-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Malti Bhatia PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.00608	00.00608	1.1	0.1	UG/G	1.1	0.5	1/17/90	UNDER CONTROL
00.20087	00.20087	3.64	0.4	UG/L	4.	0.4	1/17/90	UNDER CONTROL
00.20210	00.20210	1.93	0.2	UG/L	2.	0.2	1/17/90	UNDER CONTROL

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

SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
89.18012	4.69	0.4	PPM	1/12/90	UNDER CONTROL
89.18013	4.5	0.4	PPM	1/12/90	UNDER CONTROL

MAB
Analyst

MAB
Section Leader

mag
QA Officer

1/18/90
Date

1-18-90
Date

1-23-90
Date

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: 5483

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 29-Jan-1990

ANALYSIS: BE REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	0.35	0.03	UG/G	1/18/90	
85PL-2	89.17943	0.4	0.04	UG/G	1/18/90	
85PL-3	89.17944	0.5	0.05	UG/G	1/18/90	
85PL-4	89.17945	0.4	0.04	UG/G	1/18/90	
85PL-5	89.17946	0.35	0.04	UG/G	1/18/90	
85PL-6	89.17947	0.45	0.05	UG/G	1/18/90	
85PL-7	89.17948	0.5	0.05	UG/G	1/18/90	
85PL-8	89.17949	0.33	0.03	UG/G	1/18/90	
85PL-9	89.17950	0.3	0.03	UG/G	1/18/90	
85PL-10	89.17951	0.6	0.06	UG/G	1/18/90	
85PL-11	89.17952	0.6	0.06	UG/G	1/18/90	
85PL-12	89.17953	0.45	0.05	UG/G	1/18/90	

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Rec'd 2/5/90 ~~SJM~~.

REPORT NUMBER: 5483 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 29-Jan-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL

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

SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
89.18012	1.	0.1	PPM	1/18/90	UNDER CONTROL
89.18013	0.9	0.09	PPM	1/18/90	UNDER CONTROL

Analyst	Section Leader	QA Officer
J.D. Montoya	MJB	maq
1-30-90	1-30-90	1-31-90
Date	Date	Date

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: 5484

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 29-Jan-1990

ANALYSIS: BA REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	75.	7.5	UG/G	1/18/90	
85PL-2	89.17943	90.	9.	UG/G	1/18/90	
85PL-3	89.17944	95.	9.5	UG/G	1/18/90	
85PL-4	89.17945	120.	12.	UG/G	1/18/90	
85PL-5	89.17946	65.	6.5	UG/G	1/18/90	
85PL-6	89.17947	85.	8.5	UG/G	1/18/90	
85PL-7	89.17948	80.	8.	UG/G	1/18/90	
85PL-8	89.17949	160.	16.	UG/G	1/18/90	
85PL-9	89.17950	50.	5.	UG/G	1/18/90	
85PL-10	89.17951	70.	0.7	UG/G	1/18/90	
85PL-11	89.17952	100.	10.	UG/G	1/18/90	
85PL-12	89.17953	70.	0.7	UG/G	1/18/90	

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REPORT NUMBER: 5484 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 29-Jan-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.20193	00.20193	9.7	0.97	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	9.7	0.97	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	10.	1.	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	9.7	0.97	MG/L	10.	1.	1/18/90	UNDER CONTROL

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

SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
89.18012	500.	50.	PPM	1/18/90	UNDER CONTROL
89.18013	500.	50.	PPM	1/18/90	UNDER CONTROL

Analyst	Section Leader	QA Officer
J.D. Montoya	[illegible]	[illegible]
1-30-90	1-30-90	1-31-90
Date	Date	Date

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: 5485

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 29-Jan-1990

ANALYSIS: CR REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	8.7	0.9	UG/G	1/18/90	
85PL-2	89.17943	10.	1.	UG/G	1/18/90	
85PL-3	89.17944	12.	1.2	UG/G	1/18/90	
85PL-4	89.17945	9.5	0.95	UG/G	1/18/90	
85PL-5	89.17946	9.	0.9	UG/G	1/18/90	
85PL-6	89.17947	10.	1.	UG/G	1/18/90	
85PL-7	89.17948	11.	1.1	UG/G	1/18/90	
85PL-8	89.17949	13.	1.3	UG/G	1/18/90	
85PL-9	89.17950	8.5	0.9	UG/G	1/18/90	
85PL-10	89.17951	14.	1.4	UG/G	1/18/90	
85PL-11	89.17952	9.5	0.9	UG/G	1/18/90	
85PL-12	89.17953	8.5	0.9	UG/G	1/18/90	

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REPORT NUMBER: 5485 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 29-Jan-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	10.5	1.	MG/L	10.	1.	1/18/90	UNDER CONTROL

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

SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
89.18012	8.	0.8	PPM	1/18/90	UNDER CONTROL
89.18013	10.	1.	PPM	1/18/90	UNDER CONTROL

Analyst	Section Leader	QA Officer
J.D. Montoya	MJB	mag
1-30-90	1-30-90	1-31-90
Date	Date	Date

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: 5486

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 29-Jan-1990

ANALYSIS: PB REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	< 15.		UG/G	1/18/90	
85PL-2	89.17943	< 15.		UG/G	1/18/90	
85PL-3	89.17944	< 15.		UG/G	1/18/90	
85PL-4	89.17945	< 15.		UG/G	1/18/90	
85PL-5	89.17946	< 15.		UG/G	1/18/90	
85PL-6	89.17947	< 15.		UG/G	1/18/90	
85PL-7	89.17948	< 15.		UG/G	1/18/90	
85PL-8	89.17949	< 15.		UG/G	1/18/90	
85PL-9	89.17950	< 15.		UG/G	1/18/90	
85PL-10	89.17951	< 15.		UG/G	1/18/90	
85PL-11	89.17952	< 15.		UG/G	1/18/90	
85PL-12	89.17953	< 15.		UG/G	1/18/90	

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REPORT NUMBER: 5486 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 29-Jan-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.20193	00.20193	12.	1.2	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL

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

SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
89.18012	690.	69.	PPM	1/18/90	UNDER CONTROL
89.18013	718.	72.	PPM	1/18/90	UNDER CONTROL

JD Montoya	MYB	moq
Analyst	Section Leader	QA Officer
1-30-90	1-30-90	1-31-90
Date	Date	Date

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: 5487

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 29-Jan-1990

ANALYSIS: NI REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	5.	3.5	UG/G	1/18/90	
85PL-2	89.17943	8.	3.5	UG/G	1/18/90	
85PL-3	89.17944	7.5	3.5	UG/G	1/18/90	
85PL-4	89.17945	4.	3.5	UG/G	1/18/90	
85PL-5	89.17946	6.	3.5	UG/G	1/18/90	
85PL-6	89.17947	7.	3.5	UG/G	1/18/90	
85PL-7	89.17948	6.	3.5	UG/G	1/18/90	
85PL-8	89.17949	12.	3.5	UG/G	1/18/90	
85PL-9	89.17950	6.	3.5	UG/G	1/18/90	
85PL-10	89.17951	10.	3.5	UG/G	1/18/90	
85PL-11	89.17952	8.	3.5	UG/G	1/18/90	
85PL-12	89.17953	6.5	3.5	UG/G	1/18/90	

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REPORT NUMBER: 5487 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 29-Jan-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	11.	1.1	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	10.	1.	MG/L	10.	1.	1/18/90	UNDER CONTROL
00.20193	00.20193	10.	1.	MG/L	10.	1.	1/18/90	UNDER CONTROL

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

SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
89.18012	37.	3.7	PPM	1/18/90	UNDER CONTROL
89.18013	32.	3.2	PPM	1/18/90	UNDER CONTROL

Analyst	Section Leader	QA Officer
1-30-90	1-30-90	1-31-90
Date	Date	Date

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: 5583

Rec'd 2/13/90 Sym

TA-55 BL-3

PVC pipe

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 7-Feb-1990

REQUEST NUMBER: 8203 MATRIX: SS ANALYST: Janet Montoya PROGRAM CODE: M292

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85PL-1	89.17942	CD	2.	0.5	UG/G	1/18/90	
85PL-1	89.17942	SB	18.	10.	UG/G	2/05/90	
85PL-1	89.17942	TL	15.	10.	UG/G	1/18/90	
85PL-2	89.17943	CD	2.	0.5	UG/G	1/18/90	
85PL-2	89.17943	SB	20.	10.	UG/G	2/05/90	
85PL-2	89.17943	TL	25.	10.	UG/G	1/18/90	
85PL-3	89.17944	CD	3.	0.5	UG/G	1/18/90	
85PL-3	89.17944	SB	30.	10.	UG/G	2/05/90	
85PL-3	89.17944	TL	27.	10.	UG/G	1/18/90	
85PL-4	89.17945	CD	3.	0.5	UG/G	1/18/90	
85PL-4	89.17945	SB	25.	10.	UG/G	2/05/90	
85PL-4	89.17945	TL	18.	10.	UG/G	1/18/90	
85PL-5	89.17946	CD	3.	0.5	UG/G	1/18/90	
85PL-5	89.17946	SB	25.	10.	UG/G	2/05/90	
85PL-5	89.17946	TL	25.	10.	UG/G	1/18/90	
85PL-6	89.17947	CD	3.	0.5	UG/G	1/18/90	
85PL-6	89.17947	SB	35.	10.	UG/G	2/05/90	
85PL-6	89.17947	TL	30.	10.	UG/G	1/18/90	
85PL-7	89.17948	CD	4.	0.5	UG/G	1/18/90	
85PL-7	89.17948	SB	30.	10.	UG/G	2/05/90	
85PL-7	89.17948	TL	35.	10.	UG/G	1/18/90	
85PL-8	89.17949	CD	3.	0.5	UG/G	1/18/90	
85PL-8	89.17949	SB	30.	10.	UG/G	2/05/90	
85PL-8	89.17949	TL	23.	10.	UG/G	1/18/90	
85PL-9	89.17950	CD	2.5	0.5	UG/G	1/18/90	
85PL-9	89.17950	SB	30.	10.	UG/G	2/05/90	
85PL-9	89.17950	TL	20.	10.	UG/G	1/18/90	
85PL-10	89.17951	CD	3.	0.5	UG/G	1/18/90	
85PL-10	89.17951	SB	35.	10.	UG/G	2/05/90	
85PL-10	89.17951	TL	40.	10.	UG/G	1/18/90	
85PL-11	89.17952	CD	2.8	0.5	UG/G	1/18/90	
85PL-11	89.17952	SB	35.	10.	UG/G	2/05/90	
85PL-11	89.17952	TL	35.	10.	UG/G	1/18/90	
85PL-12	89.17953	CD	3.	0.5	UG/G	1/18/90	
85PL-12	89.17953	SB	20.	10.	UG/G	2/05/90	
85PL-12	89.17953	TL	20.	10.	UG/G	1/18/90	

Tentatively Identified Compounds in Customer Sample # 91.03491

none

Customer Sample Duplicate Results for Sample # 91.03491

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03491

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03492

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/02/91 Date Analyzed: 5/02/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-15'	91.03492	67641	< 20.		UG/KG	5/21/91		Acetone
PF-85-1-15'	91.03492	107028	< 100.		UG/KG	5/21/91		Acrolein
PF-85-1-15'	91.03492	107131	< 100.		UG/KG	5/21/91		Acrylonitrile
PF-85-1-15'	91.03492	71432	< 5.		UG/KG	5/21/91		Benzene
PF-85-1-15'	91.03492	108861	< 5.		UG/KG	5/21/91		Bromobenzene
PF-85-1-15'	91.03492	74975	< 5.		UG/KG	5/21/91		Bromochloromethane
PF-85-1-15'	91.03492	75274	< 5.		UG/KG	5/21/91		Bromodichloromethane
PF-85-1-15'	91.03492	75252	< 5.		UG/KG	5/21/91		Bromoform
PF-85-1-15'	91.03492	74839	< 10.		UG/KG	5/21/91		Bromomethane
PF-85-1-15'	91.03492	78933	< 20.		UG/KG	5/21/91		2-Butanone
PF-85-1-15'	91.03492	104518	< 5.		UG/KG	5/21/91		n-Butylbenzene
PF-85-1-15'	91.03492	135988	< 5.		UG/KG	5/21/91		sec-Butylbenzene
PF-85-1-15'	91.03492	98066	< 5.		UG/KG	5/21/91		tert-Butylbenzene
PF-85-1-15'	91.03492	75150	< 5.		UG/KG	5/21/91		Carbon disulfide
PF-85-1-15'	91.03492	56235	< 5.		UG/KG	5/21/91		Carbon tetrachloride
PF-85-1-15'	91.03492	108907	< 5.		UG/KG	5/21/91		Chlorobenzene
PF-85-1-15'	91.03492	124481	< 5.		UG/KG	5/21/91		Chlorodibromomethane
PF-85-1-15'	91.03492	75003	< 10.		UG/KG	5/21/91		Chloroethane
PF-85-1-15'	91.03492	110758	< 50.		UG/KG	5/21/91		2-Chloroethylvinyl ether
PF-85-1-15'	91.03492	67663	5.5	1.65	UG/KG	5/21/91		Chloroform
PF-85-1-15'	91.03492	74873	< 10.		UG/KG	[illegible]/91		Chloromethane

PF-85-1-15'	91.03492	95498	< 5.	UG/KG	5/21/91	o-Chlorotoluene
PF-85-1-15'	91.03492	106434	< 5.	UG/KG	5/21/91	p-Chlorotoluene
PF-85-1-15'	91.03492	96128	< 10.	UG/KG	5/21/91	1,2-Dibromo-3-chloropropane
PF-85-1-15'	91.03492	106934	< 5.	UG/KG	5/21/91	1,2-Dibromoethane
PF-85-1-15'	91.03492	74953	< 5.	UG/KG	5/21/91	Dibromomethane
PF-85-1-15'	91.03492	95501	< 5.	UG/KG	5/21/91	o-Dichlorobenzene (1,2)
PF-85-1-15'	91.03492	541731	< 5.	UG/KG	5/21/91	m-Dichlorobenzene (1,3)
PF-85-1-15'	91.03492	106467	< 5.	UG/KG	5/21/91	p-Dichlorobenzene (1,4)
PF-85-1-15'	91.03492	75718	< 10.	UG/KG	5/21/91	Dichlorodifluoromethane
PF-85-1-15'	91.03492	75343	< 5.	UG/KG	5/21/91	1,1-Dichloroethane
PF-85-1-15'	91.03492	107062	< 5.	UG/KG	5/21/91	1,2-Dichloroethane
PF-85-1-15'	91.03492	75354	< 5.	UG/KG	5/21/91	1,1-Dichloroethene
PF-85-1-15'	91.03492	156605	< 5.	UG/KG	5/21/91	trans-1,2-Dichloroethene
PF-85-1-15'	91.03492	156592	< 5.	UG/KG	5/21/91	cis-1,2-Dichloroethylene
PF-85-1-15'	91.03492	78875	< 5.	UG/KG	5/21/91	1,2-Dichloropropane
PF-85-1-15'	91.03492	142289	< 5.	UG/KG	5/21/91	1,3-Dichloropropane
PF-85-1-15'	91.03492	594207	< 5.	UG/KG	5/21/91	2,2-Dichloropropane
PF-85-1-15'	91.03492	563586	< 5.	UG/KG	5/21/91	1,1-Dichloropropene
PF-85-1-15'	91.03492	10061015	< 5.	UG/KG	5/21/91	cis-1,3-Dichloropropene
PF-85-1-15'	91.03492	10061026	< 5.	UG/KG	5/21/91	trans-1,3-Dichloropropene
PF-85-1-15'	91.03492	100414	< 5.	UG/KG	5/21/91	Ethylbenzene
PF-85-1-15'	91.03492	591786	< 20.	UG/KG	5/21/91	2-Hexanone
PF-85-1-15'	91.03492	98828	< 5.	UG/KG	5/21/91	Isopropylbenzene
PF-85-1-15'	91.03492	99876	< 5.	UG/KG	5/21/91	4-Isopropyltoluene
PF-85-1-15'	91.03492	74884	< 5.	UG/KG	5/21/91	Methyl iodide
PF-85-1-15'	91.03492	108101	< 20.	UG/KG	5/21/91	4-Methyl-2-pentanone
PF-85-1-15'	91.03492	75092	< 5.	UG/KG	5/21/91	Methylene chloride
PF-85-1-15'	91.03492	103651	< 5.	UG/KG	5/21/91	Propylbenzene
PF-85-1-15'	91.03492	100425	< 5.	UG/KG	5/21/91	Styrene
PF-85-1-15'	91.03492	630206	< 5.	UG/KG	5/21/91	1,1,1,2-Tetrachloroethane
PF-85-1-15'	91.03492	79345	< 5.	UG/KG	5/21/91	1,1,2,2-Tetrachloroethane
PF-85-1-15'	91.03492	127184	< 5.	UG/KG	5/21/91	Tetrachloroethylene
PF-85-1-15'	91.03492	108883	< 5.	UG/KG	5/21/91	Toluene
PF-85-1-15'	91.03492	76131	< 5.	UG/KG	5/21/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-1-15'	91.03492	71556	< 5.	UG/KG	5/21/91	1,1,1-Trichloroethane
PF-85-1-15'	91.03492	79005	< 5.	UG/KG	5/21/91	1,1,2-Trichloroethane
PF-85-1-15'	91.03492	79016	< 5.	UG/KG	5/21/91	Trichloroethene
PF-85-1-15'	91.03492	75694	< 5.	UG/KG	5/21/91	Trichlorofluoromethane
PF-85-1-15'	91.03492	96184	< 5.	UG/KG	5/21/91	1,2,3-Trichloropropane
PF-85-1-15'	91.03492	95636	< 5.	UG/KG	5/21/91	1,2,4-Trimethylbenzene
PF-85-1-15'	91.03492	108678	< 5.	UG/KG	5/21/91	1,3,5-Trimethylbenzene
PF-85-1-15'	91.03492	108054	< 10.	UG/KG	5/21/91	Vinyl acetate
PF-85-1-15'	91.03492	75014	< 10.	UG/KG	5/21/91	Vinyl chloride
PF-85-1-15'	91.03492	1330207	< 5.	UG/KG	5/21/91	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 91.03492

none

Customer Sample Duplicate Results for Sample # 91.03492

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03492

none

REPORT . .BER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03493

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/02/91 Date Analyzed: 5/02/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-20'	91.03493	67641	< 20.		UG/KG	5/21/91		Acetone
PF-85-1-20'	91.03493	107028	< 100.		UG/KG	5/21/91		Acrolein
PF-85-1-20'	91.03493	107131	< 100.		UG/KG	5/21/91		Acrylonitrile
PF-85-1-20'	91.03493	71432	< 5.		UG/KG	5/21/91		Benzene
PF-85-1-20'	91.03493	108861	< 5.		UG/KG	5/21/91		Bromobenzene
PF-85-1-20'	91.03493	74975	< 5.		UG/KG	5/21/91		Bromochloromethane
PF-85-1-20'	91.03493	75274	< 5.		UG/KG	5/21/91		Bromodichloromethane
PF-85-1-20'	91.03493	75252	< 5.		UG/KG	5/21/91		Bromoform
PF-85-1-20'	91.03493	74839	< 10.		UG/KG	5/21/91		Bromomethane
PF-85-1-20'	91.03493	78933	< 20.		UG/KG	5/21/91		2-Butanone
PF-85-1-20'	91.03493	104518	< 5.		UG/KG	5/21/91		n-Butylbenzene
PF-85-1-20'	91.03493	135988	< 5.		UG/KG	5/21/91		sec-Butylbenzene
PF-85-1-20'	91.03493	98066	< 5.		UG/KG	5/21/91		tert-Butylbenzene
PF-85-1-20'	91.03493	75150	< 5.		UG/KG	5/21/91		Carbon disulfide
PF-85-1-20'	91.03493	56235	< 5.		UG/KG	5/21/91		Carbon tetrachloride
PF-85-1-20'	91.03493	108907	< 5.		UG/KG	5/21/91		Chlorobenzene
PF-85-1-20'	91.03493	124481	< 5.		UG/KG	5/21/91		Chlorodibromomethane
PF-85-1-20'	91.03493	75003	< 10.		UG/KG	5/21/91		Chloroethane
PF-85-1-20'	91.03493	110758	< 50.		UG/KG	5/21/91		2-Chloroethylvinyl ether
PF-85-1-20'	91.03493	67663	< 5.		UG/KG	5/21/91		Chloroform
PF-85	91.03493	74873	< 10.		UG/KG	1/91		Chloromethane

PF-85-1-20'	91.03493	95498	< 5.	UG/KG	5/21/91	o-Chlorotoluene
PF-85-1-20'	91.03493	106434	< 5.	UG/KG	5/21/91	p-Chlorotoluene
PF-85-1-20'	91.03493	96128	< 10.	UG/KG	5/21/91	1,2-Dibromo-3-chloropropane
PF-85-1-20'	91.03493	106934	< 5.	UG/KG	5/21/91	1,2-Dibromoethane
PF-85-1-20'	91.03493	74953	< 5.	UG/KG	5/21/91	Dibromomethane
PF-85-1-20'	91.03493	95501	< 5.	UG/KG	5/21/91	o-Dichlorobenzene (1,2)
PF-85-1-20'	91.03493	541731	< 5.	UG/KG	5/21/91	m-Dichlorobenzene (1,3)
PF-85-1-20'	91.03493	106467	< 5.	UG/KG	5/21/91	p-Dichlorobenzene (1,4)
PF-85-1-20'	91.03493	75718	< 10.	UG/KG	5/21/91	Dichlorodifluoromethane
PF-85-1-20'	91.03493	75343	< 5.	UG/KG	5/21/91	1,1-Dichloroethane
PF-85-1-20'	91.03493	107062	< 5.	UG/KG	5/21/91	1,2-Dichloroethane
PF-85-1-20'	91.03493	75354	< 5.	UG/KG	5/21/91	1,1-Dichloroethene
PF-85-1-20'	91.03493	156605	< 5.	UG/KG	5/21/91	trans-1,2-Dichloroethene
PF-85-1-20'	91.03493	156592	< 5.	UG/KG	5/21/91	cis-1,2-Dichloroethylene
PF-85-1-20'	91.03493	78875	< 5.	UG/KG	5/21/91	1,2-Dichloropropane
PF-85-1-20'	91.03493	142289	< 5.	UG/KG	5/21/91	1,3-Dichloropropane
PF-85-1-20'	91.03493	594207	< 5.	UG/KG	5/21/91	2,2-Dichloropropane
PF-85-1-20'	91.03493	563586	< 5.	UG/KG	5/21/91	1,1-Dichloropropene
PF-85-1-20'	91.03493	10061015	< 5.	UG/KG	5/21/91	cis-1,3-Dichloropropene
PF-85-1-20'	91.03493	10061026	< 5.	UG/KG	5/21/91	trans-1,3-Dichloropropene
PF-85-1-20'	91.03493	100414	< 5.	UG/KG	5/21/91	Ethylbenzene
PF-85-1-20'	91.03493	591786	< 20.	UG/KG	5/21/91	2-Hexanone
PF-85-1-20'	91.03493	98828	< 5.	UG/KG	5/21/91	Isopropylbenzene
PF-85-1-20'	91.03493	99876	< 5.	UG/KG	5/21/91	4-Isopropyltoluene
PF-85-1-20'	91.03493	74884	< 5.	UG/KG	5/21/91	Methyl iodide
PF-85-1-20'	91.03493	108101	< 20.	UG/KG	5/21/91	4-Methyl-2-pentanone
PF-85-1-20'	91.03493	75092	< 5.	UG/KG	5/21/91	Methylene chloride
PF-85-1-20'	91.03493	103651	< 5.	UG/KG	5/21/91	Propylbenzene
PF-85-1-20'	91.03493	100425	< 5.	UG/KG	5/21/91	Styrene
PF-85-1-20'	91.03493	630206	< 5.	UG/KG	5/21/91	1,1,1,2-Tetrachloroethane
PF-85-1-20'	91.03493	79345	< 5.	UG/KG	5/21/91	1,1,2,2-Tetrachloroethane
PF-85-1-20'	91.03493	127184	< 5.	UG/KG	5/21/91	Tetrachloroethylene
PF-85-1-20'	91.03493	108883	< 5.	UG/KG	5/21/91	Toluene
PF-85-1-20'	91.03493	76131	< 5.	UG/KG	5/21/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-1-20'	91.03493	71556	< 5.	UG/KG	5/21/91	1,1,1-Trichloroethane
PF-85-1-20'	91.03493	79005	< 5.	UG/KG	5/21/91	1,1,2-Trichloroethane
PF-85-1-20'	91.03493	79016	< 5.	UG/KG	5/21/91	Trichloroethene
PF-85-1-20'	91.03493	75694	< 5.	UG/KG	5/21/91	Trichlorofluoromethane
PF-85-1-20'	91.03493	96184	< 5.	UG/KG	5/21/91	1,2,3-Trichloropropane
PF-85-1-20'	91.03493	95636	< 5.	UG/KG	5/21/91	1,2,4-Trimethylbenzene
PF-85-1-20'	91.03493	108678	< 5.	UG/KG	5/21/91	1,3,5-Trimethylbenzene
PF-85-1-20'	91.03493	108054	< 10.	UG/KG	5/21/91	Vinyl acetate
PF-85-1-20'	91.03493	75014	< 10.	UG/KG	5/21/91	Vinyl chloride
PF-85-1-20'	91.03493	1330207	< 5.	UG/KG	5/21/91	Mixed-Xylenes (o ± m ± p)

Tentati[illegible]y Identified Compounds in Customer Sample # 91.03493

none

Customer Sample Duplicate Results for Sample # 91.03493

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03493

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03494

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/02/91 Date Analyzed: 5/02/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-25'	91.03494	67641	< 20.		UG/KG	5/21/91		Acetone
PF-85-1-25'	91.03494	107028	< 100.		UG/KG	5/21/91		Acrolein
PF-85-1-25'	91.03494	107131	< 100.		UG/KG	5/21/91		Acrylonitrile
PF-85-1-25'	91.03494	71432	< 5.		UG/KG	5/21/91		Benzene
PF-85-1-25'	91.03494	108861	< 5.		UG/KG	5/21/91		Bromobenzene
PF-85-1-25'	91.03494	74975	< 5.		UG/KG	5/21/91		Bromochloromethane
PF-85-1-25'	91.03494	75274	< 5.		UG/KG	5/21/91		Bromodichloromethane
PF-85-1-25'	91.03494	75252	< 5.		UG/KG	5/21/91		Bromoform
PF-85-1-25'	91.03494	74839	< 10.		UG/KG	5/21/91		Bromomethane
PF-85-1-25'	91.03494	78933	< 20.		UG/KG	5/21/91		2-Butanone
PF-85-1-25'	91.03494	104518	< 5.		UG/KG	5/21/91		n-Butylbenzene
PF-85-1-25'	91.03494	135988	< 5.		UG/KG	5/21/91		sec-Butylbenzene
PF-85-1-25'	91.03494	98066	< 5.		UG/KG	5/21/91		tert-Butylbenzene
PF-85-1-25'	91.03494	75150	< 5.		UG/KG	5/21/91		Carbon disulfide
PF-85-1-25'	91.03494	56235	< 5.		UG/KG	5/21/91		Carbon tetrachloride
PF-85-1-25'	91.03494	108907	< 5.		UG/KG	5/21/91		Chlorobenzene
PF-85-1-25'	91.03494	124481	< 5.		UG/KG	5/21/91		Chlorodibromomethane
PF-85-1-25'	91.03494	75003	< 10.		UG/KG	5/21/91		Chloroethane
PF-85-1-25'	91.03494	110758	< 50.		UG/KG	5/21/91		2-Chloroethylvinyl ether
PF-85-1-25'	91.03494	67663	5.4	1.62	UG/KG	5/21/91		Chloroform
PF-85-	91.03494	74873	< 10.		UG/KG	'91		Chloromethane

PF-85-1-[illegible]	91.03494	95498	< 5.	UG/KG	[illegible]/21/91	o-Chlorotoluene
PF-85-1-25'	91.03494	106434	< 5.	UG/KG	5/21/91	p-Chlorotoluene
PF-85-1-25'	91.03494	96128	< 10.	UG/KG	5/21/91	1,2-Dibromo-3-chloropropane
PF-85-1-25'	91.03494	106934	< 5.	UG/KG	5/21/91	1,2-Dibromoethane
PF-85-1-25'	91.03494	74953	< 5.	UG/KG	5/21/91	Dibromomethane
PF-85-1-25'	91.03494	95501	< 5.	UG/KG	5/21/91	o-Dichlorobenzene (1,2)
PF-85-1-25'	91.03494	541731	< 5.	UG/KG	5/21/91	m-Dichlorobenzene (1,3)
PF-85-1-25'	91.03494	106467	< 5.	UG/KG	5/21/91	p-Dichlorobenzene (1,4)
PF-85-1-25'	91.03494	75718	< 10.	UG/KG	5/21/91	Dichlorodifluoromethane
PF-85-1-25'	91.03494	75343	< 5.	UG/KG	5/21/91	1,1-Dichloroethane
PF-85-1-25'	91.03494	107062	< 5.	UG/KG	5/21/91	1,2-Dichloroethane
PF-85-1-25'	91.03494	75354	< 5.	UG/KG	5/21/91	1,1-Dichloroethene
PF-85-1-25'	91.03494	156605	< 5.	UG/KG	5/21/91	trans-1,2-Dichloroethene
PF-85-1-25'	91.03494	156592	< 5.	UG/KG	5/21/91	cis-1,2-Dichloroethylene
PF-85-1-25'	91.03494	78875	< 5.	UG/KG	5/21/91	1,2-Dichloropropane
PF-85-1-25'	91.03494	142289	< 5.	UG/KG	5/21/91	1,3-Dichloropropane
PF-85-1-25'	91.03494	594207	< 5.	UG/KG	5/21/91	2,2-Dichloropropane
PF-85-1-25'	91.03494	563586	< 5.	UG/KG	5/21/91	1,1-Dichloropropene
PF-85-1-25'	91.03494	10061015	< 5.	UG/KG	5/21/91	cis-1,3-Dichloropropene
PF-85-1-25'	91.03494	10061026	< 5.	UG/KG	5/21/91	trans-1,3-Dichloropropene
PF-85-1-25'	91.03494	100414	< 5.	UG/KG	5/21/91	Ethylbenzene
PF-85-1-25'	91.03494	591786	< 20.	UG/KG	5/21/91	2-Hexanone
PF-85-1-25'	91.03494	98828	< 5.	UG/KG	5/21/91	Isopropylbenzene
PF-85-1-25'	91.03494	99876	< 5.	UG/KG	5/21/91	4-Isopropyltoluene
PF-85-1-25'	91.03494	74884	< 5.	UG/KG	5/21/91	Methyl iodide
PF-85-1-25'	91.03494	108101	< 20.	UG/KG	5/21/91	4-Methyl-2-pentanone
PF-85-1-25'	91.03494	75092	< 5.	UG/KG	5/21/91	Methylene chloride
PF-85-1-25'	91.03494	103651	< 5.	UG/KG	5/21/91	Propylbenzene
PF-85-1-25'	91.03494	100425	< 5.	UG/KG	5/21/91	Styrene
PF-85-1-25'	91.03494	630206	< 5.	UG/KG	5/21/91	1,1,1,2-Tetrachloroethane
PF-85-1-25'	91.03494	79345	< 5.	UG/KG	5/21/91	1,1,2,2-Tetrachloroethane
PF-85-1-25'	91.03494	127184	< 5.	UG/KG	5/21/91	Tetrachloroethylene
PF-85-1-25'	91.03494	108883	< 5.	UG/KG	5/21/91	Toluene
PF-85-1-25'	91.03494	76131	< 5.	UG/KG	5/21/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-1-25'	91.03494	71556	< 5.	UG/KG	5/21/91	1,1,1-Trichloroethane
PF-85-1-25'	91.03494	79005	< 5.	UG/KG	5/21/91	1,1,2-Trichloroethane
PF-85-1-25'	91.03494	79016	< 5.	UG/KG	5/21/91	Trichloroethene
PF-85-1-25'	91.03494	75694	< 5.	UG/KG	5/21/91	Trichlorofluoromethane
PF-85-1-25'	91.03494	96184	< 5.	UG/KG	5/21/91	1,2,3-Trichloropropane
PF-85-1-25'	91.03494	95636	< 5.	UG/KG	5/21/91	1,2,4-Trimethylbenzene
PF-85-1-25'	91.03494	108678	< 5.	UG/KG	5/21/91	1,3,5-Trimethylbenzene
PF-85-1-25'	91.03494	108054	< 10.	UG/KG	5/21/91	Vinyl acetate
PF-85-1-25'	91.03494	75014	< 10.	UG/KG	5/21/91	Vinyl chloride
PF-85-1-25'	91.03494	1330207	< 5.	UG/KG	5/21/91	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 91.03494

none

Customer Sample Duplicate Results for Sample # 91.03494

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03494

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03495

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/02/91 Date Analyzed: 5/02/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-30'	91.03495	67641	< 20.		UG/KG	5/21/91		Acetone
PF-85-1-30'	91.03495	107028	< 100.		UG/KG	5/21/91		Acrolein
PF-85-1-30'	91.03495	107131	< 100.		UG/KG	5/21/91		Acrylonitrile
PF-85-1-30'	91.03495	71432	< 5.		UG/KG	5/21/91		Benzene
PF-85-1-30'	91.03495	108861	< 5.		UG/KG	5/21/91		Bromobenzene
PF-85-1-30'	91.03495	74975	< 5.		UG/KG	5/21/91		Bromochloromethane
PF-85-1-30'	91.03495	75274	< 5.		UG/KG	5/21/91		Bromodichloromethane
PF-85-1-30'	91.03495	75252	< 5.		UG/KG	5/21/91		Bromoform
PF-85-1-30'	91.03495	74839	< 10.		UG/KG	5/21/91		Bromomethane
PF-85-1-30'	91.03495	78933	< 20.		UG/KG	5/21/91		2-Butanone
PF-85-1-30'	91.03495	104518	< 5.		UG/KG	5/21/91		n-Butylbenzene
PF-85-1-30'	91.03495	135988	< 5.		UG/KG	5/21/91		sec-Butylbenzene
PF-85-1-30'	91.03495	98066	< 5.		UG/KG	5/21/91		tert-Butylbenzene
PF-85-1-30'	91.03495	75150	< 5.		UG/KG	5/21/91		Carbon disulfide
PF-85-1-30'	91.03495	56235	< 5.		UG/KG	5/21/91		Carbon tetrachloride
PF-85-1-30'	91.03495	108907	< 5.		UG/KG	5/21/91		Chlorobenzene
PF-85-1-30'	91.03495	124481	< 5.		UG/KG	5/21/91		Chlorodibromomethane
PF-85-1-30'	91.03495	75003	< 10.		UG/KG	5/21/91		Chloroethane
PF-85-1-30'	91.03495	110758	< 50.		UG/KG	5/21/91		2-Chloroethylvinyl ether
PF-85-1-30'	91.03495	67663	< 5.		UG/KG	5/21/91		Chloroform
PF-85-	91.03495	74873	< 10.		UG/KG	'91		Chloromethane

PF-85-1-30'	91.03495	95498	< 5.	UG/KG	5/21/91	o-Chlorotoluene
PF-85-1-30'	91.03495	106434	< 5.	UG/KG	5/21/91	p-Chlorotoluene
PF-85-1-30'	91.03495	96128	< 10.	UG/KG	5/21/91	1,2-Dibromo-3-chloropropane
PF-85-1-30'	91.03495	106934	< 5.	UG/KG	5/21/91	1,2-Dibromoethane
PF-85-1-30'	91.03495	74953	< 5.	UG/KG	5/21/91	Dibromomethane
PF-85-1-30'	91.03495	95501	< 5.	UG/KG	5/21/91	o-Dichlorobenzene (1,2)
PF-85-1-30'	91.03495	541731	< 5.	UG/KG	5/21/91	m-Dichlorobenzene (1,3)
PF-85-1-30'	91.03495	106467	< 5.	UG/KG	5/21/91	p-Dichlorobenzene (1,4)
PF-85-1-30'	91.03495	75718	< 10.	UG/KG	5/21/91	Dichlorodifluoromethane
PF-85-1-30'	91.03495	75343	< 5.	UG/KG	5/21/91	1,1-Dichloroethane
PF-85-1-30'	91.03495	107062	< 5.	UG/KG	5/21/91	1,2-Dichloroethane
PF-85-1-30'	91.03495	75354	< 5.	UG/KG	5/21/91	1,1-Dichloroethene
PF-85-1-30'	91.03495	156605	< 5.	UG/KG	5/21/91	trans-1,2-Dichloroethene
PF-85-1-30'	91.03495	156592	< 5.	UG/KG	5/21/91	cis-1,2-Dichloroethylene
PF-85-1-30'	91.03495	78875	< 5.	UG/KG	5/21/91	1,2-Dichloropropane
PF-85-1-30'	91.03495	142289	< 5.	UG/KG	5/21/91	1,3-Dichloropropane
PF-85-1-30'	91.03495	594207	< 5.	UG/KG	5/21/91	2,2-Dichloropropane
PF-85-1-30'	91.03495	563586	< 5.	UG/KG	5/21/91	1,1-Dichloropropene
PF-85-1-30'	91.03495	10061015	< 5.	UG/KG	5/21/91	cis-1,3-Dichloropropene
PF-85-1-30'	91.03495	10061026	< 5.	UG/KG	5/21/91	trans-1,3-Dichloropropene
PF-85-1-30'	91.03495	100414	< 5.	UG/KG	5/21/91	Ethylbenzene
PF-85-1-30'	91.03495	591786	< 20.	UG/KG	5/21/91	2-Hexanone
PF-85-1-30'	91.03495	98828	< 5.	UG/KG	5/21/91	Isopropylbenzene
PF-85-1-30'	91.03495	99876	< 5.	UG/KG	5/21/91	4-Isopropyltoluene
PF-85-1-30'	91.03495	74884	< 5.	UG/KG	5/21/91	Methyl iodide
PF-85-1-30'	91.03495	108101	< 20.	UG/KG	5/21/91	4-Methyl-2-pentanone
PF-85-1-30'	91.03495	75092	< 5.	UG/KG	5/21/91	Methylene chloride
PF-85-1-30'	91.03495	103651	< 5.	UG/KG	5/21/91	Propylbenzene
PF-85-1-30'	91.03495	100425	< 5.	UG/KG	5/21/91	Styrene
PF-85-1-30'	91.03495	630206	< 5.	UG/KG	5/21/91	1,1,1,2-Tetrachloroethane
PF-85-1-30'	91.03495	79345	< 5.	UG/KG	5/21/91	1,1,2,2-Tetrachloroethane
PF-85-1-30'	91.03495	127184	< 5.	UG/KG	5/21/91	Tetrachloroethylene
PF-85-1-30'	91.03495	108883	< 5.	UG/KG	5/21/91	Toluene
PF-85-1-30'	91.03495	76131	< 5.	UG/KG	5/21/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-1-30'	91.03495	71556	< 5.	UG/KG	5/21/91	1,1,1-Trichloroethane
PF-85-1-30'	91.03495	79005	< 5.	UG/KG	5/21/91	1,1,2-Trichloroethane
PF-85-1-30'	91.03495	79016	< 5.	UG/KG	5/21/91	Trichloroethene
PF-85-1-30'	91.03495	75694	< 5.	UG/KG	5/21/91	Trichlorofluoromethane
PF-85-1-30'	91.03495	96184	< 5.	UG/KG	5/21/91	1,2,3-Trichloropropane
PF-85-1-30'	91.03495	95636	< 5.	UG/KG	5/21/91	1,2,4-Trimethylbenzene
PF-85-1-30'	91.03495	108678	< 5.	UG/KG	5/21/91	1,3,5-Trimethylbenzene
PF-85-1-30'	91.03495	108054	< 10.	UG/KG	5/21/91	Vinyl acetate
PF-85-1-30'	91.03495	75014	< 10.	UG/KG	5/21/91	Vinyl chloride
PF-85-1-30'	91.03495	1330207	< 5.	UG/KG	5/21/91	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 91.03495

none

Customer Sample Duplicate Results for Sample # 91.03495

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03495

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03496

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/02/91 Date Analyzed: 5/02/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-35'	91.03496	67641	< 20.		UG/KG	5/21/91		Acetone
PF-85-1-35'	91.03496	107028	< 100.		UG/KG	5/21/91		Acrolein
PF-85-1-35'	91.03496	107131	< 100.		UG/KG	5/21/91		Acrylonitrile
PF-85-1-35'	91.03496	71432	< 5.		UG/KG	5/21/91		Benzene
PF-85-1-35'	91.03496	108861	< 5.		UG/KG	5/21/91		Bromobenzene
PF-85-1-35'	91.03496	74975	< 5.		UG/KG	5/21/91		Bromochloromethane
PF-85-1-35'	91.03496	75274	< 5.		UG/KG	5/21/91		Bromodichloromethane
PF-85-1-35'	91.03496	75252	< 5.		UG/KG	5/21/91		Bromoform
PF-85-1-35'	91.03496	74839	< 10.		UG/KG	5/21/91		Bromomethane
PF-85-1-35'	91.03496	78933	< 20.		UG/KG	5/21/91		2-Butanone
PF-85-1-35'	91.03496	104518	< 5.		UG/KG	5/21/91		n-Butylbenzene
PF-85-1-35'	91.03496	135988	< 5.		UG/KG	5/21/91		sec-Butylbenzene
PF-85-1-35'	91.03496	98066	< 5.		UG/KG	5/21/91		tert-Butylbenzene
PF-85-1-35'	91.03496	75150	< 5.		UG/KG	5/21/91		Carbon disulfide
PF-85-1-35'	91.03496	56235	< 5.		UG/KG	5/21/91		Carbon tetrachloride
PF-85-1-35'	91.03496	108907	< 5.		UG/KG	5/21/91		Chlorobenzene
PF-85-1-35'	91.03496	124481	< 5.		UG/KG	5/21/91		Chlorodibromomethane
PF-85-1-35'	91.03496	75003	< 10.		UG/KG	5/21/91		Chloroethane
PF-85-1-35'	91.03496	110758	< 50.		UG/KG	5/21/91		2-Chloroethylvinyl ether
PF-85-1-35'	91.03496	67663	< 5.		UG/KG	5/21/91		Chloroform
PF-85-'	91.03496	74873	< 10.		UG/KG	'91		Chloromethane

PF-85-1-35'	91.03496	95498	< 5.	UG/KG	5/21/91	o-Chlorotoluene
PF-85-1-35'	91.03496	106434	< 5.	UG/KG	5/21/91	p-Chlorotoluene
PF-85-1-35'	91.03496	96128	< 10.	UG/KG	5/21/91	1,2-Dibromo-3-chloropropane
PF-85-1-35'	91.03496	106934	< 5.	UG/KG	5/21/91	1,2-Dibromoethane
PF-85-1-35'	91.03496	74953	< 5.	UG/KG	5/21/91	Dibromomethane
PF-85-1-35'	91.03496	95501	< 5.	UG/KG	5/21/91	o-Dichlorobenzene (1,2)
PF-85-1-35'	91.03496	541731	< 5.	UG/KG	5/21/91	m-Dichlorobenzene (1,3)
PF-85-1-35'	91.03496	106467	< 5.	UG/KG	5/21/91	p-Dichlorobenzene (1,4)
PF-85-1-35'	91.03496	75718	< 10.	UG/KG	5/21/91	Dichlorodifluoromethane
PF-85-1-35'	91.03496	75343	< 5.	UG/KG	5/21/91	1,1-Dichloroethane
PF-85-1-35'	91.03496	107062	< 5.	UG/KG	5/21/91	1,2-Dichloroethane
PF-85-1-35'	91.03496	75354	< 5.	UG/KG	5/21/91	1,1-Dichloroethene
PF-85-1-35'	91.03496	156605	< 5.	UG/KG	5/21/91	trans-1,2-Dichloroethene
PF-85-1-35'	91.03496	156592	< 5.	UG/KG	5/21/91	cis-1,2-Dichloroethylene
PF-85-1-35'	91.03496	78875	< 5.	UG/KG	5/21/91	1,2-Dichloropropane
PF-85-1-35'	91.03496	142289	< 5.	UG/KG	5/21/91	1,3-Dichloropropane
PF-85-1-35'	91.03496	594207	< 5.	UG/KG	5/21/91	2,2-Dichloropropane
PF-85-1-35'	91.03496	563586	< 5.	UG/KG	5/21/91	1,1-Dichloropropene
PF-85-1-35'	91.03496	10061015	< 5.	UG/KG	5/21/91	cis-1,3-Dichloropropene
PF-85-1-35'	91.03496	10061026	< 5.	UG/KG	5/21/91	trans-1,3-Dichloropropene
PF-85-1-35'	91.03496	100414	< 5.	UG/KG	5/21/91	Ethylbenzene
PF-85-1-35'	91.03496	591786	< 20.	UG/KG	5/21/91	2-Hexanone
PF-85-1-35'	91.03496	98828	< 5.	UG/KG	5/21/91	Isopropylbenzene
PF-85-1-35'	91.03496	99876	< 5.	UG/KG	5/21/91	4-Isopropyltoluene
PF-85-1-35'	91.03496	74884	< 5.	UG/KG	5/21/91	Methyl iodide
PF-85-1-35'	91.03496	108101	< 20.	UG/KG	5/21/91	4-Methyl-2-pentanone
PF-85-1-35'	91.03496	75092	< 5.	UG/KG	5/21/91	Methylene chloride
PF-85-1-35'	91.03496	103651	< 5.	UG/KG	5/21/91	Propylbenzene
PF-85-1-35'	91.03496	100425	< 5.	UG/KG	5/21/91	Styrene
PF-85-1-35'	91.03496	630206	< 5.	UG/KG	5/21/91	1,1,1,2-Tetrachloroethane
PF-85-1-35'	91.03496	79345	< 5.	UG/KG	5/21/91	1,1,2,2-Tetrachloroethane
PF-85-1-35'	91.03496	127184	< 5.	UG/KG	5/21/91	Tetrachloroethylene
PF-85-1-35'	91.03496	108883	< 5.	UG/KG	5/21/91	Toluene
PF-85-1-35'	91.03496	76131	< 5.	UG/KG	5/21/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-1-35'	91.03496	71556	< 5.	UG/KG	5/21/91	1,1,1-Trichloroethane
PF-85-1-35'	91.03496	79005	< 5.	UG/KG	5/21/91	1,1,2-Trichloroethane
PF-85-1-35'	91.03496	79016	< 5.	UG/KG	5/21/91	Trichloroethene
PF-85-1-35'	91.03496	75694	< 5.	UG/KG	5/21/91	Trichlorofluoromethane
PF-85-1-35'	91.03496	96184	< 5.	UG/KG	5/21/91	1,2,3-Trichloropropane
PF-85-1-35'	91.03496	95636	< 5.	UG/KG	5/21/91	1,2,4-Trimethylbenzene
PF-85-1-35'	91.03496	108678	< 5.	UG/KG	5/21/91	1,3,5-Trimethylbenzene
PF-85-1-35'	91.03496	108054	< 10.	UG/KG	5/21/91	Vinyl acetate
PF-85-1-35'	91.03496	75014	< 10.	UG/KG	5/21/91	Vinyl chloride
PF-85-1-35'	91.03496	1330207	< 5.	UG/KG	5/21/91	Mixed-Xylenes (o ± m ± p)

Tentati / Identified Compounds in Customer Sample # 91.03496

none

Customer Sample Duplicate Results for Sample # 91.03496

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03496

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03497

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/02/91 Date Analyzed: 5/02/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-40'	91.03497	67641	< 28.		UG/KG	5/21/91		Acetone
PF-85-1-40'	91.03497	107028	< 140.		UG/KG	5/21/91		Acrolein
PF-85-1-40'	91.03497	107131	< 140.		UG/KG	5/21/91		Acrylonitrile
PF-85-1-40'	91.03497	71432	< 7.		UG/KG	5/21/91		Benzene
PF-85-1-40'	91.03497	108861	< 7.		UG/KG	5/21/91		Bromobenzene
PF-85-1-40'	91.03497	74975	< 7.		UG/KG	5/21/91		Bromochloromethane
PF-85-1-40'	91.03497	75274	< 7.		UG/KG	5/21/91		Bromodichloromethane
PF-85-1-40'	91.03497	75252	< 7.		UG/KG	5/21/91		Bromoform
PF-85-1-40'	91.03497	74839	< 14.		UG/KG	5/21/91		Bromomethane
PF-85-1-40'	91.03497	78933	< 28.		UG/KG	5/21/91		2-Butanone
PF-85-1-40'	91.03497	104518	< 7.		UG/KG	5/21/91		n-Butylbenzene
PF-85-1-40'	91.03497	135988	< 7.		UG/KG	5/21/91		sec-Butylbenzene
PF-85-1-40'	91.03497	98066	< 7.		UG/KG	5/21/91		tert-Butylbenzene
PF-85-1-40'	91.03497	75150	< 7.		UG/KG	5/21/91		Carbon disulfide
PF-85-1-40'	91.03497	56235	< 7.		UG/KG	5/21/91		Carbon tetrachloride
PF-85-1-40'	91.03497	108907	< 7.		UG/KG	5/21/91		Chlorobenzene
PF-85-1-40'	91.03497	124481	< 7.		UG/KG	5/21/91		Chlorodibromomethane
PF-85-1-40'	91.03497	75003	< 14.		UG/KG	5/21/91		Chloroethane
PF-85-1-40'	91.03497	110758	< 70.		UG/KG	5/21/91		2-Chloroethylvinyl ether
PF-85-1-40'	91.03497	67663	< 7.		UG/KG	5/21/91		Chloroform
PF-85-	91.03497	74873	< 14.		UG/KG	'/91		Chloromethane

PF-85-1-4[illegible]	91.03497	95498	< 7.	UG/KG	5/[illegible]/91	o-Chlorotoluene
PF-85-1-40'	91.03497	106434	< 7.	UG/KG	5/21/91	p-Chlorotoluene
PF-85-1-40'	91.03497	96128	< 14.	UG/KG	5/21/91	1,2-Dibromo-3-chloropropane
PF-85-1-40'	91.03497	106934	< 7.	UG/KG	5/21/91	1,2-Dibromoethane
PF-85-1-40'	91.03497	74953	< 7.	UG/KG	5/21/91	Dibromomethane
PF-85-1-40'	91.03497	95501	< 7.	UG/KG	5/21/91	o-Dichlorobenzene (1,2)
PF-85-1-40'	91.03497	541731	< 7.	UG/KG	5/21/91	m-Dichlorobenzene (1,3)
PF-85-1-40'	91.03497	106467	< 7.	UG/KG	5/21/91	p-Dichlorobenzene (1,4)
PF-85-1-40'	91.03497	75718	< 14.	UG/KG	5/21/91	Dichlorodifluoromethane
PF-85-1-40'	91.03497	75343	< 7.	UG/KG	5/21/91	1,1-Dichloroethane
PF-85-1-40'	91.03497	107062	< 7.	UG/KG	5/21/91	1,2-Dichloroethane
PF-85-1-40'	91.03497	75354	< 7.	UG/KG	5/21/91	1,1-Dichloroethene
PF-85-1-40'	91.03497	156605	< 7.	UG/KG	5/21/91	trans-1,2-Dichloroethene
PF-85-1-40'	91.03497	156592	< 7.	UG/KG	5/21/91	cis-1,2-Dichloroethylene
PF-85-1-40'	91.03497	78875	< 7.	UG/KG	5/21/91	1,2-Dichloropropane
PF-85-1-40'	91.03497	142289	< 7.	UG/KG	5/21/91	1,3-Dichloropropane
PF-85-1-40'	91.03497	594207	< 7.	UG/KG	5/21/91	2,2-Dichloropropane
PF-85-1-40'	91.03497	563586	< 7.	UG/KG	5/21/91	1,1-Dichloropropene
PF-85-1-40'	91.03497	10061015	< 7.	UG/KG	5/21/91	cis-1,3-Dichloropropene
PF-85-1-40'	91.03497	10061026	< 7.	UG/KG	5/21/91	trans-1,3-Dichloropropene
PF-85-1-40'	91.03497	100414	< 7.	UG/KG	5/21/91	Ethylbenzene
PF-85-1-40'	91.03497	591786	< 28.	UG/KG	5/21/91	2-Hexanone
PF-85-1-40'	91.03497	98828	< 7.	UG/KG	5/21/91	Isopropylbenzene
PF-85-1-40'	91.03497	99876	< 7.	UG/KG	5/21/91	4-Isopropyltoluene
PF-85-1-40'	91.03497	74884	< 7.	UG/KG	5/21/91	Methyl iodide
PF-85-1-40'	91.03497	108101	< 28.	UG/KG	5/21/91	4-Methyl-2-pentanone
PF-85-1-40'	91.03497	75092	< 7.	UG/KG	5/21/91	Methylene chloride
PF-85-1-40'	91.03497	103651	< 7.	UG/KG	5/21/91	Propylbenzene
PF-85-1-40'	91.03497	100425	< 7.	UG/KG	5/21/91	Styrene
PF-85-1-40'	91.03497	630206	< 7.	UG/KG	5/21/91	1,1,1,2-Tetrachloroethane
PF-85-1-40'	91.03497	79345	< 7.	UG/KG	5/21/91	1,1,2,2-Tetrachloroethane
PF-85-1-40'	91.03497	127184	< 7.	UG/KG	5/21/91	Tetrachloroethylene
PF-85-1-40'	91.03497	108883	< 7.	UG/KG	5/21/91	Toluene
PF-85-1-40'	91.03497	76131	< 7.	UG/KG	5/21/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-1-40'	91.03497	71556	< 7.	UG/KG	5/21/91	1,1,1-Trichloroethane
PF-85-1-40'	91.03497	79005	< 7.	UG/KG	5/21/91	1,1,2-Trichloroethane
PF-85-1-40'	91.03497	79016	< 7.	UG/KG	5/21/91	Trichloroethene
PF-85-1-40'	91.03497	75694	< 7.	UG/KG	5/21/91	Trichlorofluoromethane
PF-85-1-40'	91.03497	96184	< 7.	UG/KG	5/21/91	1,2,3-Trichloropropane
PF-85-1-40'	91.03497	95636	< 7.	UG/KG	5/21/91	1,2,4-Trimethylbenzene
PF-85-1-40'	91.03497	108678	< 7.	UG/KG	5/21/91	1,3,5-Trimethylbenzene
PF-85-1-40'	91.03497	108054	< 14.	UG/KG	5/21/91	Vinyl acetate
PF-85-1-40'	91.03497	75014	< 14.	UG/KG	5/21/91	Vinyl chloride
PF-85-1-40'	91.03497	1330207	< 7.	UG/KG	5/21/91	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 91.03497

none

Customer Sample Duplicate Results for Sample # 91.03497

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03497

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03498

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/02/91 Date Analyzed: 5/02/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-45'	91.03498	67641	< 20.		UG/KG	5/21/91		Acetone
PF-85-1-45'	91.03498	107028	< 100.		UG/KG	5/21/91		Acrolein
PF-85-1-45'	91.03498	107131	< 100.		UG/KG	5/21/91		Acrylonitrile
PF-85-1-45'	91.03498	71432	< 5.		UG/KG	5/21/91		Benzene
PF-85-1-45'	91.03498	108861	< 5.		UG/KG	5/21/91		Bromobenzene
PF-85-1-45'	91.03498	74975	< 5.		UG/KG	5/21/91		Bromochloromethane
PF-85-1-45'	91.03498	75274	< 5.		UG/KG	5/21/91		Bromodichloromethane
PF-85-1-45'	91.03498	75252	< 5.		UG/KG	5/21/91		Bromoform
PF-85-1-45'	91.03498	74839	< 10.		UG/KG	5/21/91		Bromomethane
PF-85-1-45'	91.03498	78933	< 20.		UG/KG	5/21/91		2-Butanone
PF-85-1-45'	91.03498	104518	< 5.		UG/KG	5/21/91		n-Butylbenzene
PF-85-1-45'	91.03498	135988	< 5.		UG/KG	5/21/91		sec-Butylbenzene
PF-85-1-45'	91.03498	98066	< 5.		UG/KG	5/21/91		tert-Butylbenzene
PF-85-1-45'	91.03498	75150	< 5.		UG/KG	5/21/91		Carbon disulfide
PF-85-1-45'	91.03498	56235	< 5.		UG/KG	5/21/91		Carbon tetrachloride
PF-85-1-45'	91.03498	108907	< 5.		UG/KG	5/21/91		Chlorobenzene
PF-85-1-45'	91.03498	124481	< 5.		UG/KG	5/21/91		Chlorodibromomethane
PF-85-1-45'	91.03498	75003	< 10.		UG/KG	5/21/91		Chloroethane
PF-85-1-45'	91.03498	110758	< 50.		UG/KG	5/21/91		2-Chloroethylvinyl ether
PF-85-1-45'	91.03498	67663	< 5.		UG/KG	5/21/91		Chloroform
PF-85-	91.03498	74873	< 10.		UG/KG	'91		Chloromethane

PF-85-1-45'	91.03498	95498	< 5.	UG/KG	5/21/91	o-Chlorotoluene
PF-85-1-45'	91.03498	106434	< 5.	UG/KG	5/21/91	p-Chlorotoluene
PF-85-1-45'	91.03498	96128	< 10.	UG/KG	5/21/91	1,2-Dibromo-3-chloropropane
PF-85-1-45'	91.03498	106934	< 5.	UG/KG	5/21/91	1,2-Dibromoethane
PF-85-1-45'	91.03498	74953	< 5.	UG/KG	5/21/91	Dibromomethane
PF-85-1-45'	91.03498	95501	< 5.	UG/KG	5/21/91	o-Dichlorobenzene (1,2)
PF-85-1-45'	91.03498	541731	< 5.	UG/KG	5/21/91	m-Dichlorobenzene (1,3)
PF-85-1-45'	91.03498	106467	< 5.	UG/KG	5/21/91	p-Dichlorobenzene (1,4)
PF-85-1-45'	91.03498	75718	< 10.	UG/KG	5/21/91	Dichlorodifluoromethane
PF-85-1-45'	91.03498	75343	< 5.	UG/KG	5/21/91	1,1-Dichloroethane
PF-85-1-45'	91.03498	107062	< 5.	UG/KG	5/21/91	1,2-Dichloroethane
PF-85-1-45'	91.03498	75354	< 5.	UG/KG	5/21/91	1,1-Dichloroethene
PF-85-1-45'	91.03498	156605	< 5.	UG/KG	5/21/91	trans-1,2-Dichloroethene
PF-85-1-45'	91.03498	156592	< 5.	UG/KG	5/21/91	cis-1,2-Dichloroethylene
PF-85-1-45'	91.03498	78875	< 5.	UG/KG	5/21/91	1,2-Dichloropropane
PF-85-1-45'	91.03498	142289	< 5.	UG/KG	5/21/91	1,3-Dichloropropane
PF-85-1-45'	91.03498	594207	< 5.	UG/KG	5/21/91	2,2-Dichloropropane
PF-85-1-45'	91.03498	563586	< 5.	UG/KG	5/21/91	1,1-Dichloropropene
PF-85-1-45'	91.03498	10061015	< 5.	UG/KG	5/21/91	cis-1,3-Dichloropropene
PF-85-1-45'	91.03498	10061026	< 5.	UG/KG	5/21/91	trans-1,3-Dichloropropene
PF-85-1-45'	91.03498	100414	< 5.	UG/KG	5/21/91	Ethylbenzene
PF-85-1-45'	91.03498	591786	< 20.	UG/KG	5/21/91	2-Hexanone
PF-85-1-45'	91.03498	98828	< 5.	UG/KG	5/21/91	Isopropylbenzene
PF-85-1-45'	91.03498	99876	< 5.	UG/KG	5/21/91	4-Isopropyltoluene
PF-85-1-45'	91.03498	74884	< 5.	UG/KG	5/21/91	Methyl iodide
PF-85-1-45'	91.03498	108101	< 20.	UG/KG	5/21/91	4-Methyl-2-pentanone
PF-85-1-45'	91.03498	75092	< 5.	UG/KG	5/21/91	Methylene chloride
PF-85-1-45'	91.03498	103651	< 5.	UG/KG	5/21/91	Propylbenzene
PF-85-1-45'	91.03498	100425	< 5.	UG/KG	5/21/91	Styrene
PF-85-1-45'	91.03498	630206	< 5.	UG/KG	5/21/91	1,1,1,2-Tetrachloroethane
PF-85-1-45'	91.03498	79345	< 5.	UG/KG	5/21/91	1,1,2,2-Tetrachloroethane
PF-85-1-45'	91.03498	127184	< 5.	UG/KG	5/21/91	Tetrachloroethylene
PF-85-1-45'	91.03498	108883	< 5.	UG/KG	5/21/91	Toluene
PF-85-1-45'	91.03498	76131	< 5.	UG/KG	5/21/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-1-45'	91.03498	71556	< 5.	UG/KG	5/21/91	1,1,1-Trichloroethane
PF-85-1-45'	91.03498	79005	< 5.	UG/KG	5/21/91	1,1,2-Trichloroethane
PF-85-1-45'	91.03498	79016	< 5.	UG/KG	5/21/91	Trichloroethene
PF-85-1-45'	91.03498	75694	< 5.	UG/KG	5/21/91	Trichlorofluoromethane
PF-85-1-45'	91.03498	96184	< 5.	UG/KG	5/21/91	1,2,3-Trichloropropane
PF-85-1-45'	91.03498	95636	< 5.	UG/KG	5/21/91	1,2,4-Trimethylbenzene
PF-85-1-45'	91.03498	108678	< 5.	UG/KG	5/21/91	1,3,5-Trimethylbenzene
PF-85-1-45'	91.03498	108054	< 10.	UG/KG	5/21/91	Vinyl acetate
PF-85-1-45'	91.03498	75014	< 10.	UG/KG	5/21/91	Vinyl chloride
PF-85-1-45'	91.03498	1330207	< 5.	UG/KG	5/21/91	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 91.03498

none

Customer Sample Duplicate Results for Sample # 91.03498

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03498

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03499

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/10/91 Date Analyzed: 5/10/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-S	91.03499	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-S	91.03499	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-S	91.03499	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-S	91.03499	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-S	91.03499	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-S	91.03499	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-S	91.03499	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-S	91.03499	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-S	91.03499	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-S	91.03499	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-S	91.03499	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-S	91.03499	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-S	91.03499	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-S	91.03499	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-S	91.03499	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-S	91.03499	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-S	91.03499	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-S	91.03499	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-S	91.03499	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-S	91.03499	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85-2	91.03499	74873	< 10.		UG/KG	'91		Chloromethane

PF-85-2-S	91.03499	95498	< 5.	UG/KG	5/16/91	o-Chlorotoluene
PF-85-2-S	91.03499	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-S	91.03499	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-S	91.03499	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-S	91.03499	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-S	91.03499	95501	< 5.	UG/KG	5/16/91	o-Dichlorobenzene (1,2)
PF-85-2-S	91.03499	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-S	91.03499	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-S	91.03499	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-S	91.03499	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-S	91.03499	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-S	91.03499	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-S	91.03499	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-S	91.03499	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-S	91.03499	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-S	91.03499	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropane
PF-85-2-S	91.03499	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-S	91.03499	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-S	91.03499	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-S	91.03499	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-S	91.03499	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-S	91.03499	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-S	91.03499	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-S	91.03499	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-S	91.03499	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-S	91.03499	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-S	91.03499	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-S	91.03499	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-S	91.03499	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-S	91.03499	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-S	91.03499	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-S	91.03499	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-S	91.03499	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-S	91.03499	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-S	91.03499	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-S	91.03499	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-S	91.03499	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-S	91.03499	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-S	91.03499	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-S	91.03499	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-S	91.03499	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-S	91.03499	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-S	91.03499	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-S	91.03499	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 91.03499

none

Customer Sample Duplicate Results for Sample # 91.03499

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03499

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03500

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/10/91 Date Analyzed: 5/10/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-5'	91.03500	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-5'	91.03500	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-5'	91.03500	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-5'	91.03500	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-5'	91.03500	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-5'	91.03500	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-5'	91.03500	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-5'	91.03500	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-5'	91.03500	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-5'	91.03500	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-5'	91.03500	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-5'	91.03500	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-5'	91.03500	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-5'	91.03500	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-5'	91.03500	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-5'	91.03500	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-5'	91.03500	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-5'	91.03500	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-5'	91.03500	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-5'	91.03500	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85-	91.03500	74873	< 10.		UG/KG	/91		Chloromethane

PF-85-2	91.03500	95498	< 5.	UG/KG	6/91	o-Chlorotoluene
PF-85-2-5'	91.03500	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-5'	91.03500	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-5'	91.03500	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-5'	91.03500	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-5'	91.03500	95501	< 5.	UG/KG	5/16/91	o-Dichlorobenzene (1,2)
PF-85-2-5'	91.03500	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-5'	91.03500	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-5'	91.03500	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-5'	91.03500	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-5'	91.03500	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-5'	91.03500	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-5'	91.03500	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-5'	91.03500	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-5'	91.03500	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-5'	91.03500	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropane
PF-85-2-5'	91.03500	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-5'	91.03500	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-5'	91.03500	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-5'	91.03500	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-5'	91.03500	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-5'	91.03500	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-5'	91.03500	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-5'	91.03500	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-5'	91.03500	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-5'	91.03500	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-5'	91.03500	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-5'	91.03500	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-5'	91.03500	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-5'	91.03500	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-5'	91.03500	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-5'	91.03500	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-5'	91.03500	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-5'	91.03500	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-5'	91.03500	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-5'	91.03500	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-5'	91.03500	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-5'	91.03500	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-5'	91.03500	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-5'	91.03500	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-5'	91.03500	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-5'	91.03500	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-5'	91.03500	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-5'	91.03500	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tentative Identified Compounds in Customer Sample # 91.03500

none

Customer Sample Duplicate Results for Sample # 91.03500

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03500

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03501

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 5/09/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-10'	91.03501	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-10'	91.03501	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-10'	91.03501	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-10'	91.03501	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-10'	91.03501	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-10'	91.03501	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-10'	91.03501	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-10'	91.03501	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-10'	91.03501	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-10'	91.03501	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-10'	91.03501	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-10'	91.03501	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-10'	91.03501	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-10'	91.03501	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-10'	91.03501	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-10'	91.03501	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-10'	91.03501	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-10'	91.03501	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-10'	91.03501	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-10'	91.03501	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85	91.03501	74873	< 10.		UG/KG	6/91		Chloromethane

PF-85-2-1	91.03501	95498	< 5.	UG/KG	5/16/91	o-Chlorotoluene
PF-85-2-10'	91.03501	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-10'	91.03501	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-10'	91.03501	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-10'	91.03501	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-10'	91.03501	95501	< 5.	UG/KG	5/16/91	o-Dichlorobenzene (1,2)
PF-85-2-10'	91.03501	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-10'	91.03501	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-10'	91.03501	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-10'	91.03501	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-10'	91.03501	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-10'	91.03501	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-10'	91.03501	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-10'	91.03501	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-10'	91.03501	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-10'	91.03501	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropane
PF-85-2-10'	91.03501	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-10'	91.03501	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-10'	91.03501	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-10'	91.03501	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-10'	91.03501	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-10'	91.03501	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-10'	91.03501	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-10'	91.03501	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-10'	91.03501	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-10'	91.03501	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-10'	91.03501	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-10'	91.03501	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-10'	91.03501	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-10'	91.03501	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-10'	91.03501	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-10'	91.03501	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-10'	91.03501	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-10'	91.03501	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-10'	91.03501	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-10'	91.03501	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-10'	91.03501	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-10'	91.03501	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-10'	91.03501	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-10'	91.03501	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-10'	91.03501	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-10'	91.03501	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-10'	91.03501	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-10'	91.03501	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tentative., Identified Compounds in Customer Sample # 91.03501

none

Customer Sample Duplicate Results for Sample # 91.03501

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03501

none

REPORT N. ER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03502

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 5/09/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-15'	91.03502	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-15'	91.03502	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-15'	91.03502	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-15'	91.03502	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-15'	91.03502	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-15'	91.03502	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-15'	91.03502	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-15'	91.03502	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-15'	91.03502	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-15'	91.03502	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-15'	91.03502	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-15'	91.03502	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-15'	91.03502	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-15'	91.03502	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-15'	91.03502	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-15'	91.03502	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-15'	91.03502	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-15'	91.03502	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-15'	91.03502	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-15'	91.03502	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85	91.03502	74873	< 10.		UG/KG	'6/91		Chloromethane

PF-85-2-15'	91.03502	95498	< 5.	UG/KG	5/16/91	o-Chlorotoluene
PF-85-2-15'	91.03502	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-15'	91.03502	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-15'	91.03502	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-15'	91.03502	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-15'	91.03502	95501	< 5.	UG/KG	5/16/91	o-Dichlorobenzene (1,2)
PF-85-2-15'	91.03502	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-15'	91.03502	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-15'	91.03502	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-15'	91.03502	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-15'	91.03502	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-15'	91.03502	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-15'	91.03502	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-15'	91.03502	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-15'	91.03502	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-15'	91.03502	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropane
PF-85-2-15'	91.03502	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-15'	91.03502	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-15'	91.03502	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-15'	91.03502	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-15'	91.03502	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-15'	91.03502	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-15'	91.03502	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-15'	91.03502	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-15'	91.03502	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-15'	91.03502	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-15'	91.03502	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-15'	91.03502	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-15'	91.03502	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-15'	91.03502	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-15'	91.03502	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-15'	91.03502	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-15'	91.03502	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-15'	91.03502	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-15'	91.03502	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-15'	91.03502	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-15'	91.03502	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-15'	91.03502	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-15'	91.03502	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-15'	91.03502	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-15'	91.03502	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-15'	91.03502	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-15'	91.03502	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-15'	91.03502	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tentat ıy Identified Compounds in Customer Sample # 91.03502

none

Customer Sample Duplicate Results for Sample # 91.03502

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03502

none

REPO MBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03503

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 5/09/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-20'	91.03503	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-20'	91.03503	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-20'	91.03503	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-20'	91.03503	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-20'	91.03503	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-20'	91.03503	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-20'	91.03503	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-20'	91.03503	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-20'	91.03503	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-20'	91.03503	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-20'	91.03503	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-20'	91.03503	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-20'	91.03503	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-20'	91.03503	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-20'	91.03503	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-20'	91.03503	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-20'	91.03503	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-20'	91.03503	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-20'	91.03503	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-20'	91.03503	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85	91.03503	74873	< 10.		UG/KG	5/91		Chloromethane

PF-85-[illegible]	91.03503	95498	< 5.	UG/KG	[illegible]16/91	o-Chlorotoluene
PF-85-2-20'	91.03503	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-20'	91.03503	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-20'	91.03503	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-20'	91.03503	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-20'	91.03503	95501	< 5.	UG/KG	5/16/91	o-Dichlorobenzene (1,2)
PF-85-2-20'	91.03503	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-20'	91.03503	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-20'	91.03503	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-20'	91.03503	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-20'	91.03503	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-20'	91.03503	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-20'	91.03503	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-20'	91.03503	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-20'	91.03503	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-20'	91.03503	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropane
PF-85-2-20'	91.03503	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-20'	91.03503	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-20'	91.03503	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-20'	91.03503	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-20'	91.03503	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-20'	91.03503	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-20'	91.03503	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-20'	91.03503	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-20'	91.03503	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-20'	91.03503	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-20'	91.03503	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-20'	91.03503	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-20'	91.03503	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-20'	91.03503	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-20'	91.03503	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-20'	91.03503	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-20'	91.03503	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-20'	91.03503	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-20'	91.03503	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-20'	91.03503	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-20'	91.03503	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-20'	91.03503	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-20'	91.03503	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-20'	91.03503	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-20'	91.03503	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-20'	91.03503	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-20'	91.03503	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-20'	91.03503	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tentati Identified Compounds in Customer Sample # 91.03503

none

Customer Sample Duplicate Results for Sample # 91.03503

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03503

none

REPOR BER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03504

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 5/09/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-25'	91.03504	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-25'	91.03504	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-25'	91.03504	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-25'	91.03504	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-25'	91.03504	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-25'	91.03504	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-25'	91.03504	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-25'	91.03504	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-25'	91.03504	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-25'	91.03504	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-25'	91.03504	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-25'	91.03504	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-25'	91.03504	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-25'	91.03504	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-25'	91.03504	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-25'	91.03504	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-25'	91.03504	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-25'	91.03504	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-25'	91.03504	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-25'	91.03504	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85-	91.03504	74873	< 10.		UG/KG	/91		Chloromethane

PF-85-2-[illegible]	91.03504	95498	< 5.	UG/KG	[illegible]/16/91	o-Chlorotoluene
PF-85-2-25'	91.03504	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-25'	91.03504	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-25'	91.03504	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-25'	91.03504	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-25'	91.03504	95501	< 5.	UG/KG	5/16/91	o-Dichlorobenzene (1,2)
PF-85-2-25'	91.03504	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-25'	91.03504	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-25'	91.03504	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-25'	91.03504	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-25'	91.03504	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-25'	91.03504	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-25'	91.03504	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-25'	91.03504	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-25'	91.03504	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-25'	91.03504	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropane
PF-85-2-25'	91.03504	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-25'	91.03504	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-25'	91.03504	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-25'	91.03504	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-25'	91.03504	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-25'	91.03504	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-25'	91.03504	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-25'	91.03504	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-25'	91.03504	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-25'	91.03504	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-25'	91.03504	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-25'	91.03504	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-25'	91.03504	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-25'	91.03504	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-25'	91.03504	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-25'	91.03504	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-25'	91.03504	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-25'	91.03504	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-25'	91.03504	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-25'	91.03504	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-25'	91.03504	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-25'	91.03504	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-25'	91.03504	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-25'	91.03504	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-25'	91.03504	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-25'	91.03504	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-25'	91.03504	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-25'	91.03504	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tenta ly Identified Compounds in Customer Sample # 91.03504

none

Customer Sample Duplicate Results for Sample # 91.03504

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03504

none

REPORT NUMBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03505

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 5/09/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-30'	91.03505	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-30'	91.03505	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-30'	91.03505	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-30'	91.03505	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-30'	91.03505	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-30'	91.03505	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-30'	91.03505	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-30'	91.03505	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-30'	91.03505	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-30'	91.03505	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-30'	91.03505	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-30'	91.03505	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-30'	91.03505	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-30'	91.03505	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-30'	91.03505	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-30'	91.03505	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-30'	91.03505	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-30'	91.03505	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-30'	91.03505	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-30'	91.03505	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85-	91.03505	74873	< 10.		UG/KG	'/91		Chloromethane

PF-85-[illegible]'	91.03505	95498	< 5.	UG/KG	[illegible]/16/91	o-Chlorotoluene
PF-85-2-30'	91.03505	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-30'	91.03505	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-30'	91.03505	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-30'	91.03505	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-30'	91.03505	95501	< 5.	UG/KG	5/16/91	o-Dichlorobenzene (1,2)
PF-85-2-30'	91.03505	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-30'	91.03505	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-30'	91.03505	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-30'	91.03505	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-30'	91.03505	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-30'	91.03505	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-30'	91.03505	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-30'	91.03505	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-30'	91.03505	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-30'	91.03505	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropane
PF-85-2-30'	91.03505	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-30'	91.03505	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-30'	91.03505	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-30'	91.03505	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-30'	91.03505	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-30'	91.03505	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-30'	91.03505	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-30'	91.03505	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-30'	91.03505	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-30'	91.03505	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-30'	91.03505	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-30'	91.03505	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-30'	91.03505	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-30'	91.03505	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-30'	91.03505	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-30'	91.03505	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-30'	91.03505	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-30'	91.03505	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-30'	91.03505	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-30'	91.03505	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-30'	91.03505	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-30'	91.03505	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-30'	91.03505	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-30'	91.03505	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-30'	91.03505	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-30'	91.03505	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-30'	91.03505	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-30'	91.03505	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tentat y Identified Compounds in Customer Sample # 91.03505

none

Customer Sample Duplicate Results for Sample # 91.03505

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03505

none

REPOR MBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03506

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 5/09/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-35'	91.03506	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-35'	91.03506	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-35'	91.03506	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-35'	91.03506	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-35'	91.03506	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-35'	91.03506	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-35'	91.03506	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-35'	91.03506	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-35'	91.03506	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-35'	91.03506	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-35'	91.03506	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-35'	91.03506	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-35'	91.03506	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-35'	91.03506	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-35'	91.03506	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-35'	91.03506	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-35'	91.03506	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-35'	91.03506	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-35'	91.03506	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-35'	91.03506	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85-'	91.03506	74873	< 10.		UG/KG	'/91		Chloromethane

PF-85-[illegible]'	91.03506	95498	< 5.	UG/KG	[illegible]/16/91	o-Chlorotoluene
PF-85-2-35'	91.03506	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-35'	91.03506	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-35'	91.03506	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-35'	91.03506	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-35'	91.03506	95501	< 5.	UG/KG	5/16/91	o-Dichlorobenzene (1,2)
PF-85-2-35'	91.03506	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-35'	91.03506	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-35'	91.03506	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-35'	91.03506	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-35'	91.03506	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-35'	91.03506	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-35'	91.03506	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-35'	91.03506	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-35'	91.03506	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-35'	91.03506	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropane
PF-85-2-35'	91.03506	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-35'	91.03506	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-35'	91.03506	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-35'	91.03506	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-35'	91.03506	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-35'	91.03506	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-35'	91.03506	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-35'	91.03506	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-35'	91.03506	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-35'	91.03506	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-35'	91.03506	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-35'	91.03506	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-35'	91.03506	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-35'	91.03506	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-35'	91.03506	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-35'	91.03506	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-35'	91.03506	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-35'	91.03506	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-35'	91.03506	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-35'	91.03506	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-35'	91.03506	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-35'	91.03506	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-35'	91.03506	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-35'	91.03506	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-35'	91.03506	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-35'	91.03506	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-35'	91.03506	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-35'	91.03506	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tentat .y Identified Compounds in Customer Sample # 91.03506

none

Customer Sample Duplicate Results for Sample # 91.03506

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03506

none

REPORT ER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03507

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 5/09/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-40'	91.03507	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-40'	91.03507	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-40'	91.03507	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-40'	91.03507	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-40'	91.03507	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-40'	91.03507	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-40'	91.03507	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-40'	91.03507	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-40'	91.03507	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-40'	91.03507	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-40'	91.03507	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-40'	91.03507	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-40'	91.03507	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-40'	91.03507	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-40'	91.03507	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-40'	91.03507	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-40'	91.03507	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-40'	91.03507	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-40'	91.03507	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-40'	91.03507	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85-2	91.03507	74873	< 10.		UG/KG	[illegible] '91		Chloromethane

PF-85-2-	91.03507	95498	< 5.	UG/KG	16/91	o-Chlorotoluene
PF-85-2-40'	91.03507	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-40'	91.03507	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-40'	91.03507	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-40'	91.03507	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-40'	91.03507	95501	< 5.	UG/KG	5/16/91	o-Dichlorobenzene (1,2)
PF-85-2-40'	91.03507	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-40'	91.03507	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-40'	91.03507	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-40'	91.03507	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-40'	91.03507	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-40'	91.03507	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-40'	91.03507	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-40'	91.03507	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-40'	91.03507	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-40'	91.03507	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropane
PF-85-2-40'	91.03507	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-40'	91.03507	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-40'	91.03507	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-40'	91.03507	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-40'	91.03507	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-40'	91.03507	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-40'	91.03507	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-40'	91.03507	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-40'	91.03507	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-40'	91.03507	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-40'	91.03507	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-40'	91.03507	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-40'	91.03507	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-40'	91.03507	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-40'	91.03507	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-40'	91.03507	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-40'	91.03507	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-40'	91.03507	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-40'	91.03507	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-40'	91.03507	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-40'	91.03507	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-40'	91.03507	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-40'	91.03507	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-40'	91.03507	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-40'	91.03507	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-40'	91.03507	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-40'	91.03507	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-40'	91.03507	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tenta[illegible]ly Identified Compounds in Customer Sample # 91.03507

none

Customer Sample Duplicate Results for Sample # 91.03507

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03507

none

REPOR. MBER: 10322

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03508

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/10/91 Date Analyzed: 5/10/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-45'	91.03508	67641	< 20.		UG/KG	5/16/91		Acetone
PF-85-2-45'	91.03508	107028	< 100.		UG/KG	5/16/91		Acrolein
PF-85-2-45'	91.03508	107131	< 100.		UG/KG	5/16/91		Acrylonitrile
PF-85-2-45'	91.03508	71432	< 5.		UG/KG	5/16/91		Benzene
PF-85-2-45'	91.03508	108861	< 5.		UG/KG	5/16/91		Bromobenzene
PF-85-2-45'	91.03508	74975	< 5.		UG/KG	5/16/91		Bromochloromethane
PF-85-2-45'	91.03508	75274	< 5.		UG/KG	5/16/91		Bromodichloromethane
PF-85-2-45'	91.03508	75252	< 5.		UG/KG	5/16/91		Bromoform
PF-85-2-45'	91.03508	74839	< 10.		UG/KG	5/16/91		Bromomethane
PF-85-2-45'	91.03508	78933	< 20.		UG/KG	5/16/91		2-Butanone
PF-85-2-45'	91.03508	104518	< 5.		UG/KG	5/16/91		n-Butylbenzene
PF-85-2-45'	91.03508	135988	< 5.		UG/KG	5/16/91		sec-Butylbenzene
PF-85-2-45'	91.03508	98066	< 5.		UG/KG	5/16/91		tert-Butylbenzene
PF-85-2-45'	91.03508	75150	< 5.		UG/KG	5/16/91		Carbon disulfide
PF-85-2-45'	91.03508	56235	< 5.		UG/KG	5/16/91		Carbon tetrachloride
PF-85-2-45'	91.03508	108907	< 5.		UG/KG	5/16/91		Chlorobenzene
PF-85-2-45'	91.03508	124481	< 5.		UG/KG	5/16/91		Chlorodibromomethane
PF-85-2-45'	91.03508	75003	< 10.		UG/KG	5/16/91		Chloroethane
PF-85-2-45'	91.03508	110758	< 50.		UG/KG	5/16/91		2-Chloroethylvinyl ether
PF-85-2-45'	91.03508	67663	< 5.		UG/KG	5/16/91		Chloroform
PF-85-2-	91.03508	74873	< 10.		UG/KG	5 '91		Chloromethane

PF-85-	91.03508	95498	< 5.	UG/KG	/16/91	o-Chlorotoluene
PF-85-2-45'	91.03508	106434	< 5.	UG/KG	5/16/91	p-Chlorotoluene
PF-85-2-45'	91.03508	96128	< 10.	UG/KG	5/16/91	1,2-Dibromo-3-chloropropane
PF-85-2-45'	91.03508	106934	< 5.	UG/KG	5/16/91	1,2-Dibromoethane
PF-85-2-45'	91.03508	74953	< 5.	UG/KG	5/16/91	Dibromomethane
PF-85-2-45'	91.03508	95501	< 5.	UG/KG	5/16/91	ò Dichlorobenzene (1,2)
PF-85-2-45'	91.03508	541731	< 5.	UG/KG	5/16/91	m-Dichlorobenzene (1,3)
PF-85-2-45'	91.03508	106467	< 5.	UG/KG	5/16/91	p-Dichlorobenzene (1,4)
PF-85-2-45'	91.03508	75718	< 10.	UG/KG	5/16/91	Dichlorodifluoromethane
PF-85-2-45'	91.03508	75343	< 5.	UG/KG	5/16/91	1,1-Dichloroethane
PF-85-2-45'	91.03508	107062	< 5.	UG/KG	5/16/91	1,2-Dichloroethane
PF-85-2-45'	91.03508	75354	< 5.	UG/KG	5/16/91	1,1-Dichloroethene
PF-85-2-45'	91.03508	156605	< 5.	UG/KG	5/16/91	trans-1,2-Dichloroethene
PF-85-2-45'	91.03508	156592	< 5.	UG/KG	5/16/91	cis-1,2-Dichloroethylene
PF-85-2-45'	91.03508	78875	< 5.	UG/KG	5/16/91	1,2-Dichloropropane
PF-85-2-45'	91.03508	142289	< 5.	UG/KG	5/16/91	1,3-Dichloropropene
PF-85-2-45'	91.03508	594207	< 5.	UG/KG	5/16/91	2,2-Dichloropropane
PF-85-2-45'	91.03508	563586	< 5.	UG/KG	5/16/91	1,1-Dichloropropene
PF-85-2-45'	91.03508	10061015	< 5.	UG/KG	5/16/91	cis-1,3-Dichloropropene
PF-85-2-45'	91.03508	10061026	< 5.	UG/KG	5/16/91	trans-1,3-Dichloropropene
PF-85-2-45'	91.03508	100414	< 5.	UG/KG	5/16/91	Ethylbenzene
PF-85-2-45'	91.03508	591786	< 20.	UG/KG	5/16/91	2-Hexanone
PF-85-2-45'	91.03508	98828	< 5.	UG/KG	5/16/91	Isopropylbenzene
PF-85-2-45'	91.03508	99876	< 5.	UG/KG	5/16/91	4-Isopropyltoluene
PF-85-2-45'	91.03508	74884	< 5.	UG/KG	5/16/91	Methyl iodide
PF-85-2-45'	91.03508	108101	< 20.	UG/KG	5/16/91	4-Methyl-2-pentanone
PF-85-2-45'	91.03508	75092	< 5.	UG/KG	5/16/91	Methylene chloride
PF-85-2-45'	91.03508	103651	< 5.	UG/KG	5/16/91	Propylbenzene
PF-85-2-45'	91.03508	100425	< 5.	UG/KG	5/16/91	Styrene
PF-85-2-45'	91.03508	630206	< 5.	UG/KG	5/16/91	1,1,1,2-Tetrachloroethane
PF-85-2-45'	91.03508	79345	< 5.	UG/KG	5/16/91	1,1,2,2-Tetrachloroethane
PF-85-2-45'	91.03508	127184	< 5.	UG/KG	5/16/91	Tetrachloroethylene
PF-85-2-45'	91.03508	108883	< 5.	UG/KG	5/16/91	Toluene
PF-85-2-45'	91.03508	76131	< 5.	UG/KG	5/16/91	1,1,2-Trichloro-1,2,2-trifluoroethane
PF-85-2-45'	91.03508	71556	< 5.	UG/KG	5/16/91	1,1,1-Trichloroethane
PF-85-2-45'	91.03508	79005	< 5.	UG/KG	5/16/91	1,1,2-Trichloroethane
PF-85-2-45'	91.03508	79016	< 5.	UG/KG	5/16/91	Trichloroethene
PF-85-2-45'	91.03508	75694	< 5.	UG/KG	5/16/91	Trichlorofluoromethane
PF-85-2-45'	91.03508	96184	< 5.	UG/KG	5/16/91	1,2,3-Trichloropropane
PF-85-2-45'	91.03508	95636	< 5.	UG/KG	5/16/91	1,2,4-Trimethylbenzene
PF-85-2-45'	91.03508	108678	< 5.	UG/KG	5/16/91	1,3,5-Trimethylbenzene
PF-85-2-45'	91.03508	108054	< 10.	UG/KG	5/16/91	Vinyl acetate
PF-85-2-45'	91.03508	75014	< 10.	UG/KG	5/16/91	Vinyl chloride
PF-85-2-45'	91.03508	1330207	< 5.	UG/KG	5/16/91	Mixed-Xylenes (o ± m ± p)

Tentatively Identified Compounds in Customer Sample # 91.03508

none

Customer Sample Duplicate Results for Sample # 91.03508

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03508

none

Matrix Spike Duplicate Results for Sample # 91.03508

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	AMOUNT SPIKED	AMOUNT RECOVERED	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-45'	91.03508	71432	53.53	48.	UG/KG	5/16/91		Benzene
PF-85-2-45'	91.03508	108907	53.53	45.	UG/KG	5/16/91		Chlorobenzene
PF-85-2-45'	91.03508	75343	53.53	33.	UG/KG	5/16/91		1,1-Dichloroethane
PF-85-2-45'	91.03508	108883	53.53	44.	UG/KG	5/16/91		Toluene
PF-85-2-45'	91.03508	79016	53.53	51.	UG/KG	5/16/91		Trichloroethene

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********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: SCB on 21-May-1991

EPA VOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

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 HSE-9

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

Blank Results

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUN
00.20227	91.03510	67641	< 20.		UG/KG	0.0		5/21/91	UNDER CONTROL	Acetone
00.20227	91.03510	107028	< 100.		UG/KG	0.0		5/21/91	UNDER CONTROL	Acrolein
00.20227	91.03510	107131	< 100.		UG/KG	0.0		5/21/91	UNDER CONTROL	Acrylonitrile
00.20227	91.03510	71432	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Benzene
00.20227	91.03510	108861	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Bromobenzene
00.20227	91.03510	74975	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Bromochloromethane
00.20227	91.03510	75274	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Bromodichloromethane
00.20227	91.03510	75252	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Bromoform
00.20227	91.03510	74839	< 10.		UG/KG	0.0		5/21/91	UNDER CONTROL	Bromomethane
00.20227	91.03510	78933	< 20.		UG/KG	0.0		5/21/91	UNDER CONTROL	2-Butanone
00.20227	91.03510	104518	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	n-Butylbenzene
00.20227	91.03510	135988	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	sec-Butylbenzene
00.20227	91.03510	98066	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	tert-Butylbenzene
00.20227	91.03510	75150	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Carbon disulfide
00.20227	91.03510	56235	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Carbon tetrachloride
00.20227	91.03510	108907	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Chlorobenzene
00.20227	91.03510	124481	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Chlorodibromomethane
00.20227	91.03510	75003	< 10.		UG/KG	0.0		5/21/91	UNDER CONTROL	Chloroethane
00.20227	91.03510	110758	< 50.		UG/KG	0.0		5/21/91	UNDER CONTROL	2-Chloroethylvinyl ether
00.20227	91.03510	67663	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Chloroform
00.20227	91.03510	74873	< 10.		UG/KG	0.0		5/21/91	UNDER CONTROL	Chloromethane
00.20227	91.03510	95498	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	o-Chlorotoluene
00.20227	91.03510	106434	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	p-Chlorotoluene
00.20227	91.03510	96128	< 10.		UG/KG	0.0		5/21/91	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	91.03510	106934	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	1,2-Dibromoethane
00.20227	91.03510	74953	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	Dibromomethane
00.20227	91.03510	95501	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	91.03510	541731	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	91.03510	106467	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	91.03510	75718	< 10.		UG/KG	0.0		5/21/91	UNDER CONTROL	Dichlorodifluoromethane
00.20227	91.03510	75343	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	1,1-Dichloroethane
00.202[illegible]	91.03510	107062	< 5.		UG/KG	0.0		5/21/91	UNDER CONTROL	1,2-Dichloroethan[illegible]

00.2[illegible]	91.03510	75354	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,1-Dichlor[illegible]ne
00.20227	91.03510	156605	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	91.03510	156592	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	91.03510	78875	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,2-Dichloropropane
00.20227	91.03510	142289	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,3-Dichloropropane
00.20227	91.03510	594207	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	2,2-Dichloropropane
00.20227	91.03510	563586	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,1-Dichloropropene
00.20227	91.03510	10061015	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	91.03510	10061026	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	91.03510	100414	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Ethylbenzene
00.20227	91.03510	591786	< 20.	UG/KG	0.0	5/21/91	UNDER CONTROL	2-Hexanone
00.20227	91.03510	98828	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Isopropylbenzene
00.20227	91.03510	99876	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	4-Isopropyltoluene
00.20227	91.03510	74884	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Methyl iodide
00.20227	91.03510	108101	< 20.	UG/KG	0.0	5/21/91	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	91.03510	75092	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Methylene chloride
00.20227	91.03510	103651	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Propylbenzene
00.20227	91.03510	100425	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Styrene
00.20227	91.03510	630206	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	91.03510	79345	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	91.03510	127184	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Tetrachloroethylene
00.20227	91.03510	108883	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Toluene
00.20227	91.03510	76131	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroet
00.20227	91.03510	71556	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	91.03510	79005	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	91.03510	79016	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Trichloroethene
00.20227	91.03510	75694	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Trichlorofluoromethane
00.20227	91.03510	96184	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	91.03510	95636	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	91.03510	108678	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	91.03510	108054	< 10.	UG/KG	0.0	5/21/91	UNDER CONTROL	Vinyl acetate
00.20227	91.03510	75014	< 10.	UG/KG	0.0	5/21/91	UNDER CONTROL	Vinyl chloride
00.20227	91.03510	1330207	< 5.	UG/KG	0.0	5/21/91	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)
00.20227	91.03511	67641	< 20.	UG/KG	0.0	5/16/91	UNDER CONTROL	Acetone
00.20227	91.03511	107028	< 100.	UG/KG	0.0	5/16/91	UNDER CONTROL	Acrolein
00.20227	91.03511	107131	< 100.	UG/KG	0.0	5/16/91	UNDER CONTROL	Acrylonitrile
00.20227	91.03511	71432	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Benzene
00.20227	91.03511	108861	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromobenzene
00.20227	91.03511	74975	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromochloromethane
00.20227	91.03511	75274	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromodichloromethane
00.20227	91.03511	75252	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromoform
00.20227	91.03511	74839	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromomethane
00.20227	91.03511	78933	< 20.	UG/KG	0.0	5/16/91	UNDER CONTROL	2-Butanone
00.20227	91.03511	104518	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	n-Butylbenzene
00.202[illegible]	91.03511	135988	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	sec-Butylbenzene

00.202	91.03511	98066	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	tert-Butylbe
00.20227	91.03511	75150	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Carbon disulfide
00.20227	91.03511	56235	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Carbon tetrachloride
00.20227	91.03511	108907	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Chlorobenzene
00.20227	91.03511	124481	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Chlorodibromomethane
00.20227	91.03511	75003	< 10.		UG/KG	0.0	5/16/91	UNDER CONTROL	Chloroethane
00.20227	91.03511	110758	< 50.		UG/KG	0.0	5/16/91	UNDER CONTROL	2-Chloroethylvinyl ether
00.20227	91.03511	67663	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Chloroform
00.20227	91.03511	74873	< 10.		UG/KG	0.0	5/16/91	UNDER CONTROL	Chloromethane
00.20227	91.03511	95498	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	o-Chlorotoluene
00.20227	91.03511	106434	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	p-Chlorotoluene
00.20227	91.03511	96128	< 10.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	91.03511	106934	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,2-Dibromoethane
00.20227	91.03511	74953	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Dibromomethane
00.20227	91.03511	95501	5.4	1.62	UG/KG	0.0	5/16/91	OUT OF CONTROL	o-Dichlorobenzene (1,2)
00.20227	91.03511	541731	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	91.03511	106467	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	91.03511	75718	< 10.		UG/KG	0.0	5/16/91	UNDER CONTROL	Dichlorodifluoromethane
00.20227	91.03511	75343	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,1-Dichloroethane
00.20227	91.03511	107062	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,2-Dichloroethane
00.20227	91.03511	75354	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,1-Dichloroethene
00.20227	91.03511	156605	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	91.03511	156592	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	91.03511	78875	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,2-Dichloropropane
00.20227	91.03511	142289	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,3-Dichloropropane
00.20227	91.03511	594207	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	2,2-Dichloropropane
00.20227	91.03511	563586	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,1-Dichloropropene
00.20227	91.03511	10061015	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	91.03511	10061026	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	91.03511	100414	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Ethylbenzene
00.20227	91.03511	591786	< 20.		UG/KG	0.0	5/16/91	UNDER CONTROL	2-Hexanone
00.20227	91.03511	98828	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Isopropylbenzene
00.20227	91.03511	99876	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	4-Isopropyltoluene
00.20227	91.03511	74884	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Methyl iodide
00.20227	91.03511	108101	< 20.		UG/KG	0.0	5/16/91	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	91.03511	75092	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Methylene chloride
00.20227	91.03511	103651	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Propylbenzene
00.20227	91.03511	100425	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Styrene
00.20227	91.03511	630206	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	91.03511	79345	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	91.03511	127184	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Tetrachloroethylene
00.20227	91.03511	108883	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	Toluene
00.20227	91.03511	76131	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroet
00.20227	91.03511	71556	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,1-Trichloroethane
00.202	91.03511	79005	< 5.		UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,2-Trichloroet

00.202	91.03511	79016	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Trichloroethe
00.20227	91.03511	75694	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Trichlorofluoromethane
00.20227	91.03511	96184	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	91.03511	95636	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	91.03511	108678	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	91.03511	108054	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	Vinyl acetate
00.20227	91.03511	75014	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	Vinyl chloride
00.20227	91.03511	1330207	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)
00.20227	91.03528	67641	< 20.	UG/KG	0.0	5/16/91	UNDER CONTROL	Acetone
00.20227	91.03528	107028	< 100.	UG/KG	0.0	5/16/91	UNDER CONTROL	Acrolein
00.20227	91.03528	107131	< 100.	UG/KG	0.0	5/16/91	UNDER CONTROL	Acrylonitrile
00.20227	91.03528	71432	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Benzene
00.20227	91.03528	108861	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromobenzene
00.20227	91.03528	74975	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromochloromethane
00.20227	91.03528	75274	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromodichloromethane
00.20227	91.03528	75252	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromoform
00.20227	91.03528	74839	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	Bromomethane
00.20227	91.03528	78933	< 20.	UG/KG	0.0	5/16/91	UNDER CONTROL	2-Butanone
00.20227	91.03528	104518	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	n-Butylbenzene
00.20227	91.03528	135988	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	sec-Butylbenzene
00.20227	91.03528	98066	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	tert-Butylbenzene
00.20227	91.03528	75150	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Carbon disulfide
00.20227	91.03528	56235	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Carbon tetrachloride
00.20227	91.03528	108907	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Chlorobenzene
00.20227	91.03528	124481	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Chlorodibromomethane
00.20227	91.03528	75003	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	Chloroethane
00.20227	91.03528	110758	< 50.	UG/KG	0.0	5/16/91	UNDER CONTROL	2-Chloroethylvinyl ether
00.20227	91.03528	67663	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Chloroform
00.20227	91.03528	74873	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	Chloromethane
00.20227	91.03528	95498	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	o-Chlorotoluene
00.20227	91.03528	106434	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	p-Chlorotoluene
00.20227	91.03528	96128	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,2-Dibromo-3-chloropropane
00.20227	91.03528	106934	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,2-Dibromoethane
00.20227	91.03528	74953	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Dibromomethane
00.20227	91.03528	95501	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	91.03528	541731	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20227	91.03528	106467	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20227	91.03528	75718	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	Dichlorodifluoromethane
00.20227	91.03528	75343	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,1-Dichloroethane
00.20227	91.03528	107062	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,2-Dichloroethane
00.20227	91.03528	75354	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,1-Dichloroethene
00.20227	91.03528	156605	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	trans-1,2-Dichloroethene
00.20227	91.03528	156592	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20227	91.03528	78875	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,2-Dichloropropane
00.20	91.03528	142289	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,3-Dichloropropa

00.20227	91.03528	594207	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	2,2-Dichloropro
00.20227	91.03528	563586	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,1-Dichloropropene
00.20227	91.03528	10061015	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	cis-1,3-Dichloropropene
00.20227	91.03528	10061026	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	trans-1,3-Dichloropropene
00.20227	91.03528	100414	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Ethylbenzene
00.20227	91.03528	591786	< 20.	UG/KG	0.0	5/16/91	UNDER CONTROL	2-Hexanone
00.20227	91.03528	98828	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Isopropylbenzene
00.20227	91.03528	99876	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	4-Isopropyltoluene
00.20227	91.03528	74884	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Methyl iodide
00.20227	91.03528	108101	< 20.	UG/KG	0.0	5/16/91	UNDER CONTROL	4-Methyl-2-pentanone
00.20227	91.03528	75092	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Methylene chloride
00.20227	91.03528	103651	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Propylbenzene
00.20227	91.03528	100425	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Styrene
00.20227	91.03528	630206	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20227	91.03528	79345	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20227	91.03528	127184	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Tetrachloroethylene
00.20227	91.03528	108883	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Toluene
00.20227	91.03528	76131	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroet
00.20227	91.03528	71556	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,1-Trichloroethane
00.20227	91.03528	79005	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,1,2-Trichloroethane
00.20227	91.03528	79016	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Trichloroethene
00.20227	91.03528	75694	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Trichlorofluoromethane
00.20227	91.03528	96184	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,2,3-Trichloropropane
00.20227	91.03528	95636	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,2,4-Trimethylbenzene
00.20227	91.03528	108678	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	1,3,5-Trimethylbenzene
00.20227	91.03528	108054	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	Vinyl acetate
00.20227	91.03528	75014	< 10.	UG/KG	0.0	5/16/91	UNDER CONTROL	Vinyl chloride
00.20227	91.03528	1330207	< 5.	UG/KG	0.0	5/16/91	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blank Spike Results

none

Blank Spike Duplicate Results

none

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

Blind QC Results, Sample # 91.03509

Date Collected: 4/29/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 5/09/91

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
91.03509	67641	49.	14.7	UG/KG	130.	13.	5/16/91	OUT OF CONTROL	Acetone
91.03509	107028	< 100.		UG/KG	0.0		5/16/91	UNDER CONTROL	Acrolein
91.03509	107131	< 100.		UG/KG	0.0		5/16/91	UNDER CONTROL	Acrylonitrile
91.03509	71432	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Benzene
91.03509	108861	75.	22.5	UG/KG	130.	13.	5/16/91	WARNING 2-3 SIG	Bromobenzene
91.03509	74975	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Bromochloromethane
91.03509	75274	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Bromodichloromethane
91.03509	75252	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Bromoform
91.03509	74839	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Bromomethane
91.03509	78933	< 20.		UG/KG	0.0		5/16/91	UNDER CONTROL	2-Butanone
91.03509	104518	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	n-Butylbenzene
91.03509	135988	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	sec-Butylbenzene
91.03509	98066	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	tert-Butylbenzene
91.03509	75150	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Carbon disulfide
91.03509	56235	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Carbon tetrachloride
91.03509	108907	110.	33.	UG/KG	120.	12.	5/16/91	UNDER CONTROL	Chlorobenzene
91.03509	124481	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Chlorodibromomethane
91.03509	75003	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Chloroethane
91.03509	110758	< 50.		UG/KG	0.0		5/16/91	UNDER CONTROL	2-Chloroethylvinyl ether
91.03509	67663	160.	48.	UG/KG	140.	14.	5/16/91	UNDER CONTROL	Chloroform
91.03509	74873	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Chloromethane
91.03509	95498	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	o-Chlorotoluene
91.03509	106434	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	p-Chlorotoluene
91.03509	96128	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2-Dibromo-3-chloropropane
91.03509	106934	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2-Dibromoethane
91.03509	74953	150.	45.	UG/KG	150.	15.	5/16/91	UNDER CONTROL	Dibromomethane
91.03509	95501	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	o-Dichlorobenzene (1,2)
91.03509	541731	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	m-Dichlorobenzene (1,3)
91.03509	106467	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	p-Dichlorobenzene (1,4)
91.03509	75718	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Dichlorodifluoromethane
91.03509	75343	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1-Dichloroethane
91.03509	107062	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2-Dichloroethane
91.03509	75354	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1-Dichloroethene
91.03509	156605	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	trans-1,2-Dichloroethene
91.03509	156592	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	cis-1,2-Dichloroethylene
91.03509	78875	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2-Dichloropropane
91.03509	142289	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,3-Dichloropropane
91.03509	594207	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	2,2-Dichloropropane
91.03509	563586	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1-Dichloropropene
91.03[illegible]	10061015	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	cis-1,3-Dichloropropene

91.03	10061026	< 5.		UG/KG	0.		5/16/91	UNDER CONTROL	trans-1,3-Dichloropr e
91.0350	100414	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Ethylbenzene
91.03509	591786	< 20.		UG/KG	0.0		5/16/91	UNDER CONTROL	2-Hexanone
91.03509	98828	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Isopropylbenzene
91.03509	99876	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	4-Isopropyltoluene
91.03509	74884	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Methyl iodide
91.03509	108101	< 20.		UG/KG	0.0		5/16/91	UNDER CONTROL	4-Methyl-2-pentanone
91.03509	75092	8.5	2.55	UG/KG	130.	13.	5/16/91	OUT OF CONTROL	Methylene chloride
91.03509	103651	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Propylbenzene
91.03509	100425	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Styrene
91.03509	630206	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1,1,2-Tetrachloroethane
91.03509	79345	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1,2,2-Tetrachloroethane
91.03509	127184	130.	39.	UG/KG	130.	13.	5/16/91	UNDER CONTROL	Tetrachloroethylene
91.03509	108883	100.	30.	UG/KG	130.	13.	5/16/91	UNDER CONTROL	Toluene
91.03509	76131	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
91.03509	71556	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1,1-Trichloroethane
91.03509	79005	110.	33.	UG/KG	120.	12.	5/16/91	UNDER CONTROL	1,1,2-Trichloroethane
91.03509	79016	140.	42.	UG/KG	150.	15.	5/16/91	UNDER CONTROL	Trichloroethene
91.03509	75694	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Trichlorofluoromethane
91.03509	96184	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2,3-Trichloropropane
91.03509	95636	88.	26.4	UG/KG	150.	15.	5/16/91	WARNING 2-3 SIG	1,2,4-Trimethylbenzene
91.03509	108678	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,3,5-Trimethylbenzene
91.03509	108054	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Vinyl acetate
91.03509	75014	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Vinyl chloride
91.03509	1330207	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

Blind QC Results, Sample # 91.03527

Date Collected: 4/29/91 Date Received: 4/29/91 Date Extracted: 5/10/91 Date Analyzed: 5/10/91

91.03527	67641	41.	12.3	UG/KG	110.	11.	5/16/91	OUT OF CONTROL	Acetone
91.03527	107028	< 100.		UG/KG	0.0		5/16/91	UNDER CONTROL	Acrolein
91.03527	107131	< 100.		UG/KG	0.0		5/16/91	UNDER CONTROL	Acrylonitrile
91.03527	71432	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Benzene
91.03527	108861	81.	24.3	UG/KG	110.	11.	5/16/91	UNDER CONTROL	Bromobenzene
91.03527	74975	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Bromochloromethane
91.03527	75274	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Bromodichloromethane
91.03527	75252	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Bromoform
91.03527	74839	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Bromomethane
91.03527	78933	< 20.		UG/KG	0.0		5/16/91	UNDER CONTROL	2-Butanone
91.03527	104518	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	n-Butylbenzene
91.03527	135988	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	sec-Butylbenzene
91.03527	98066	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	tert-Butylbenzene
91.03527	75150	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Carbon disulfide
91.03527	56235	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Carbon tetrachloride
91.035	108907	86.	25.8	UG/KG	100.	10.	5/16/91	UNDER CONTROL	Chlorobenzene

91.0352	124481	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Chlorodibromomethane
91.03527	75003	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Chloroethane
91.03527	110758	< 50.		UG/KG	0.0		5/16/91	UNDER CONTROL	2-Chloroethylvinyl ether
91.03527	67663	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Chloroform
91.03527	74873	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Chloromethane
91.03527	95498	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	o-Chlorotoluene
91.03527	106434	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	p-Chlorotoluene
91.03527	96128	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2-Dibromo-3-chloropropane
91.03527	106934	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2-Dibromoethane
91.03527	74953	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Dibromomethane
91.03527	95501	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	o-Dichlorobenzene (1,2)
91.03527	541731	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	m-Dichlorobenzene (1,3)
91.03527	106467	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	p-Dichlorobenzene (1,4)
91.03527	75718	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Dichlorodifluoromethane
91.03527	75343	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1-Dichloroethane
91.03527	107062	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2-Dichloroethane
91.03527	75354	28.	8.4	UG/KG	0.0		5/16/91	OUT OF CONTROL	1,1-Dichloroethene
91.03527	156605	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	trans-1,2-Dichloroethene
91.03527	156592	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	cis-1,2-Dichloroethylene
91.03527	78875	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2-Dichloropropane
91.03527	142289	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,3-Dichloropropane
91.03527	594207	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	2,2-Dichloropropane
91.03527	563586	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1-Dichloropropene
91.03527	10061015	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	cis-1,3-Dichloropropene
91.03527	10061026	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	trans-1,3-Dichloropropene
91.03527	100414	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Ethylbenzene
91.03527	591786	< 20.		UG/KG	0.0		5/16/91	UNDER CONTROL	2-Hexanone
91.03527	98828	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Isopropylbenzene
91.03527	99876	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	4-Isopropyltoluene
91.03527	74884	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Methyl iodide
91.03527	108101	< 20.		UG/KG	0.0		5/16/91	UNDER CONTROL	4-Methyl-2-pentanone
91.03527	75092	8.3	2.49	UG/KG	100.	10.	5/16/91	OUT OF CONTROL	Methylene chloride
91.03527	103651	57.	17.1	UG/KG	130.	13.	5/16/91	OUT OF CONTROL	Propylbenzene
91.03527	100425	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Styrene
91.03527	630206	100.	30.	UG/KG	120.	12.	5/16/91	UNDER CONTROL	1,1,1,2-Tetrachloroethane
91.03527	79345	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1,2,2-Tetrachloroethane
91.03527	127184	100.	30.	UG/KG	110.	11.	5/16/91	UNDER CONTROL	Tetrachloroethylene
91.03527	108883	84.	25.2	UG/KG	110.	11.	5/16/91	UNDER CONTROL	Toluene
91.03527	76131	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1,2-Trichloro-1,2,2-trifluoroethane
91.03527	71556	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,1,1-Trichloroethane
91.03527	79005	89.	26.7	UG/KG	99.	10.	5/16/91	UNDER CONTROL	1,1,2-Trichloroethane
91.03527	79016	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Trichloroethene
91.03527	75694	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	Trichlorofluoromethane
91.03527	96184	99.	29.7	UG/KG	120.	12.	5/16/91	UNDER CONTROL	1,2,3-Trichloropropane
91.035	95636	< 5.		UG/KG	0.0		5/16/91	UNDER CONTROL	1,2,4-Trimethylbenzene

91.03	108678	< 5.		UG/KG	0.		5/16/91	UNDER CONTROL	1,3,5-Trimethylbenz
91.03527	108054	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Vinyl acetate
91.03527	75014	< 10.		UG/KG	0.0		5/16/91	UNDER CONTROL	Vinyl chloride
91.03527	1330207	110.	33.	UG/KG	140.	14.	5/16/91	UNDER CONTROL	Mixed-Xylenes (o ± m ± p)

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
91.03488	%	107.98	87.64	68.64	16-May-1991
91.03488	%	106.88	91.4	71.3	16-May-1991
91.03489	%	102.92	92.34	136.7	21-May-1991
91.03490	%	91.28	101.24	62.32	16-May-1991
91.03491	%	93.42	95.28	107.82	21-May-1991
91.03492	%	101.94	94.32	124.62	21-May-1991
91.03493	%	98.14	94.4	107.62	21-May-1991
91.03494	%	90.34	95.64	103.52	21-May-1991
91.03495	%	91.5	100.86	105.2	21-May-1991
91.03496	%	95.62	98.38	106.02	21-May-1991
91.03497	%	89.78	95.58	104.52	21-May-1991
91.03498	%	97.32	105.68	107.48	21-May-1991
91.03499	%	100.44	89.2	89.08	16-May-1991
91.03500	%	87.64	101.18	71.44	16-May-1991
91.03501	%	86.82	102.44	53.54	16-May-1991
91.03502	%	87.44	103.14	56.6	16-May-1991
91.03503	%	88.94	95.34	54.38	16-May-1991
91.03504	%	86.	96.42	51.9	16-May-1991
91.03505	%	87.34	99.34	51.62	16-May-1991
91.03506	%	85.12	100.74	50.72	16-May-1991
91.03507	%	86.22	95.76	52.58	16-May-1991
91.03508	%	89.42	102.68	71.26	16-May-1991
91.03508	%	91.34	94.16	68.54	16-May-1991
91.03509	%	102.88	96.12	51.88	16-May-1991
91.03510	%	91.82	93.74	99.72	21-May-1991
91.03511	%	98.06	94.92	50.56	16-May-1991
91.03527	%	86.3	106.08	74.86	16-May-1991
91.03528	%	89.46	97.62	81.16	16-May-1991
EPA Limits:					
Wat	%	76 - 114	88 - 110	86 - 115	

Soil	%	70 - 121	81 - 117	74 - 121

REPORT NUMBER: 10322

Analyst	Reviewer	Section Leader	QA Officer
5-22-91	5-21-91	5-31-91	6/4/91
Date	Date	Date	Date

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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SEMIVOLATILE ORGANIC ANALYSES

HSE-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Phil Fresquez
From: Martin Koby

Request Number: 11448
Matrix: Soil
Summary Date: 7/1/91

Sample ID	Target Compounds Found	Amount (ug/Kg)	LOQ (ug/Kg)	TICs (Y/N)
91.03488	None	NA	1300	N
91.03489	None	NA	330	N
91.03490	None	NA	330	N
91.03491	None	NA	330	N
91.03492	None	NA	330	N
91.03493	None	NA	330	N
91.03494	None	NA	330	N
91.03495	None	NA	330	N
91.03496	None	NA	330	N
91.03497	None	NA	330	N
91.03498	None	NA	330	N
91.03499	None	NA	660	N
91.03500*	None	NA	330	N
91.03501*	None	NA	330	N
91.03502*	None	NA	330	N
91.03503*	None	NA	330	N
91.03504*	None	NA	330	N
91.03505*	None	NA	330	N
91.03506*	None	NA	330	N
91.03507*	None	NA	330	N
91.03508*	None	NA	330	N

(*) - GC/MS not calibrated to EPA specifications

The samples were extracted by mixing approximately 30 g of sample with 60 g sodium sulfate and sonicating with 100 ml of 1:1 acetone in methylene chloride. This was repeated two more times. Sample extracts were filtered, combined, and concentrated to a 1.0 ml final volume. Appropriate surrogate standards were added prior to extraction as a check of method efficiency. Analysis was performed by capillary column GC/MS methods. These methods are consistent with EPA SW-846 protocol.

7/5/91

7/3/91

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

REQUEST #: 11448

NUMBER OF SAMPLES: 22
MATRIX S
ANALYST: MWK
Date: 07/01/91

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	B91.03513	BLANK	38	75	30	68	85	81
2	S91.03488	SAMPLE	5 *	24	79	109	33	91
3	S91.03489	SAMPLE	59	74	57	72	60	74
4	S91.03490	SAMPLE	63	77	69	73	53	81
5	S91.03491	SAMPLE	2 *	4 *	2 *	17 *	34	76
6	S91.03492	SAMPLE	55	74	68	79	37	84
7	S91.03493	SAMPLE	18 *	49	60	71	32	89
8	S91.03494	SAMPLE	25	56	66	75	32	84
9	S91.03495	SAMPLE	61	74	61	70	67	81
10	S91.03496	SAMPLE	58	69	59	70	67	75
11	S91.03497	SAMPLE	57	67	61	72	62	75
12	S91.03498	SAMPLE	48	66	64	74	60	78
13	S91.03499	SAMPLE	0 *	24 *	68	96	38	80
14	S91.03500	SAMPLE	65	89	67	75	89	76
15	S91.03501	SAMPLE	41	76	66	80	57	92
16	S91.03502	SAMPLE	16 *	50	55	69	43	84
17	S91.03503	SAMPLE	5 *	23 *	43	66	34	86
18	S91.03504	SAMPLE	7 *	28	54	79	35	82
19	S91.03505	SAMPLE	4 *	16 *	63	104	28	85
20	S91.03506	SAMPLE	3 *	14 *	32	93	33	91
21	S91.03507	SAMPLE	5 *	25	58	125 *	30	94
22	S91.03508	SAMPLE	6 *	27	61	137 *	31	98
	Average % Surrogate Recovery...		38	58	55	70	50	82
	Defined Lower QC Limits (%)....		23	24	23	30	19	18
	Defined Upper QC Limits (%)....		121	113	120	115	122	137
	Observed Lower QC Limits (%)...		2	4	2	17	32	74
	Observed Upper QC Limits (%)...		63	77	79	109	85	91

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

Reviewed By:

VA 7/2/91

LOS ALAMOS NATIONAL LABORATORY
HEALTH, SAFETY AND ENVIRONMENT DIVISION
HSE-7
SURROGATE RECOVERIES FOR SEMI-VOLATILES
IN SOIL TYPE MATRICES

REQUEST #: 11448

NUMBER OF SAMPLES: 1
MATRIX S
ANALYST: MWK
Date: 07/01/91

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	S91.03512	SAMPLE	64	67	66	72	93	68
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								

Average % Surrogate Recovery...	64	67	66	72	93	68
Defined Lower QC Limits (%)....	23	24	23	30	19	18
Defined Upper QC Limits (%)....	121	113	120	115	122	137
Observed Lower QC Limits (%)...	64	67	66	72	93	68
Observed Upper QC Limits (%)...	64	67	66	72	93	68

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

Reviewed By: 7/2/91

No spike compounds added

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 #:	11448				
NUMBER OF SAMPLES:	22				
SPIKE ID: (STARTS M OR E)		SPIKE	ERR	ERR	
SPIKE DUP ID: (STARTS D OR F)		SPIKE-DUP	ERR	ERR	
RAW DATA WITH:	11448				
ANALYST:	MWK				

	SPIKE REC.	SPIKE-DUP REC.	SPIKE % REC.	SPIKE-DUP % REC.	RPD	LOW. REC. LIM.	UPP. REC. LIM.	RPD LIM.
PHENOL	<LOQ	<LOQ			ERR	26	90	35
2-CHLOROPHENOL	<LOQ	<LOQ			ERR	25	102	50
1,4-DICHLOROBENZENE	<LOQ	<LOQ			ERR	28	104	27
N-NITROSO-DI-N-PROPYLAMINE	<LOQ	<LOQ			ERR	41	126	38
1,2,4-TRICLOROBENZENE	<LOQ	<LOQ			ERR	38	107	23
4-CHLORO-3-METHYLPHENOL	<LOQ	<LOQ			ERR	26	103	33
ACENAPHTHENE	<LOQ	<LOQ			ERR	31	137	19
4-NITROPHENOL	<LOQ	<LOQ			ERR	11	114	50
2,4-DINITROTOLUENE	<LOQ	<LOQ			ERR	28	89	47
PENTACHLOROPHENOL	<LOQ	<LOQ			ERR	17	109	47
PYRENE	<LOQ	<LOQ			ERR	35	142	36

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

Reviewed By: spike not added - data not usable
AM 2/2/91

REPORT ER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03488

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/12/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-S	91.03488	83329	< 1300.		UG/KG	7/03/91		Acenaphthene
PF-85-1-S	91.03488	208968	< 1300.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-S	91.03488	62533	< 1300.		UG/KG	7/03/91		Aniline
PF-85-1-S	91.03488	120127	< 1300.		UG/KG	7/03/91		Anthracene
PF-85-1-S	91.03488	103333	< 1300.		UG/KG	7/03/91		Azobenzene
PF-85-1-S	91.03488	92875	< 1300.		UG/KG	7/03/91		m-Benzidine
PF-85-1-S	91.03488	56553	< 1300.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-S	91.03488	50328	< 1300.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-S	91.03488	205992	< 1300.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-S	91.03488	191242	< 1300.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-S	91.03488	207089	< 1300.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-S	91.03488	65850	< 1300.		UG/KG	7/03/91		Benzoic acid
PF-85-1-S	91.03488	100516	< 1300.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-S	91.03488	111911	< 1300.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-S	91.03488	111444	< 1300.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-S	91.03488	108601	< 1300.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-S	91.03488	117817	< 1300.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-S	91.03488	101553	< 1300.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-S	91.03488	85687	< 1300.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-S	91.03488	59507	< 1300.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-1-[illegible]	91.03488	106478	< 1300.		UG/KG	7/[illegible]/91		4-Chloroaniline

PF-85-1-S	91.03488	91587	< 1300.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-1-S	91.03488	95578	< 1300.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-S	91.03488	7005723	< 1300.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-S	91.03488	218019	< 1300.	UG/KG	7/03/91	Chrysene
PF-85-1-S	91.03488	84742	< 1300.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-S	91.03488	117840	< 1300.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-S	91.03488	53703	< 1300.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-S	91.03488	132649	< 1300.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-S	91.03488	95501	< 1300.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-S	91.03488	541731	< 1300.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-S	91.03488	106467	< 1300.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-S	91.03488	91941	< 1300.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-S	91.03488	120832	< 1300.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-S	91.03488	84662	< 1300.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-S	91.03488	131113	< 1300.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-S	91.03488	105679	< 1300.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-S	91.03488	51285	< 1300.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-S	91.03488	121142	< 1300.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-S	91.03488	606202	< 1300.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-S	91.03488	206440	< 1300.	UG/KG	7/03/91	Fluoranthene
PF-85-1-S	91.03488	86737	< 1300.	UG/KG	7/03/91	Fluorene
PF-85-1-S	91.03488	118741	< 1300.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-S	91.03488	87683	< 1300.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-S	91.03488	77474	< 1300.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-S	91.03488	67721	< 1300.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-S	91.03488	193395	< 1300.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-S	91.03488	78591	< 1300.	UG/KG	7/03/91	Isophorone
PF-85-1-S	91.03488	534521	< 1300.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-S	91.03488	91576	< 1300.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-S	91.03488	95487	< 1300.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-S	91.03488	106445	< 1300.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-S	91.03488	91203	< 1300.	UG/KG	7/03/91	Naphthalene
PF-85-1-S	91.03488	88744	< 1300.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-S	91.03488	99092	< 1300.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-S	91.03488	100016	< 1300.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-S	91.03488	98953	< 1300.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-S	91.03488	88755	< 1300.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-S	91.03488	100027	< 1300.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-S	91.03488	621647	< 1300.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-S	91.03488	62759	< 1300.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-S	91.03488	86306	< 1300.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-S	91.03488	87865	< 1300.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-S	91.03488	85018	< 1300.	UG/KG	7/03/91	Phenanthrene
PF-85-1-S	91.03488	108952	< 1300.	UG/KG	7/03/91	Phenol
PF-85-1-	91.03488	129000	< 1300.	UG/KG	7/03/91	Pyrene

PF-85-1-S	91.03488	120821	< 1300.	UG/KG	7/03/91	1,2,4-Trichlorobenzene
PF-85-1-S	91.03488	95954	< 1300.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-S	91.03488	88062	< 1300.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03488

none

Customer Sample Duplicate Results for Sample # 91.03488

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03488

none

REPORT . .BER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03489

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/12/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-S QA	91.03489	83329	< 330.		UG/KG	7/03/91	SLIGHT HC	Acenaphthene
PF-85-1-S QA	91.03489	208968	< 330.		UG/KG	7/03/91	SLIGHT HC	Acenaphthylene
PF-85-1-S QA	91.03489	62533	< 330.		UG/KG	7/03/91	SLIGHT HC	Aniline
PF-85-1-S QA	91.03489	120127	< 330.		UG/KG	7/03/91	SLIGHT HC	Anthracene
PF-85-1-S QA	91.03489	103333	< 330.		UG/KG	7/03/91	SLIGHT HC	Azobenzene
PF-85-1-S QA	91.03489	92875	< 330.		UG/KG	7/03/91	SLIGHT HC	m-Benzidine
PF-85-1-S QA	91.03489	56553	< 330.		UG/KG	7/03/91	SLIGHT HC	Benzo[a]anthracene
PF-85-1-S QA	91.03489	50328	< 330.		UG/KG	7/03/91	SLIGHT HC	Benzo[a]pyrene
PF-85-1-S QA	91.03489	205992	< 330.		UG/KG	7/03/91	SLIGHT HC	Benzo[b]fluoranthene
PF-85-1-S QA	91.03489	191242	< 330.		UG/KG	7/03/91	SLIGHT HC	Benzo[g,h,i]perylene
PF-85-1-S QA	91.03489	207089	< 330.		UG/KG	7/03/91	SLIGHT HC	Benzo[k]fluoranthene
PF-85-1-S QA	91.03489	65850	< 330.		UG/KG	7/03/91	SLIGHT HC	Benzoic acid
PF-85-1-S QA	91.03489	100516	< 330.		UG/KG	7/03/91	SLIGHT HC	Benzyl alcohol
PF-85-1-S QA	91.03489	111911	< 330.		UG/KG	7/03/91	SLIGHT HC	Bis(2-chloroethoxy)methane
PF-85-1-S QA	91.03489	111444	< 330.		UG/KG	7/03/91	SLIGHT HC	Bis(2-chloroethyl)ether
PF-85-1-S QA	91.03489	108601	< 330.		UG/KG	7/03/91	SLIGHT HC	Bis(2-chloroisopropyl)ether
PF-85-1-S QA	91.03489	117817	< 330.		UG/KG	7/03/91	SLIGHT HC	Bis(2-ethylhexyl)phthalate
PF-85-1-S QA	91.03489	101553	< 330.		UG/KG	7/03/91	SLIGHT HC	4-Bromophenylphenyl ether
PF-85-1-S QA	91.03489	85687	< 330.		UG/KG	7/03/91	SLIGHT HC	Butylbenzyl phthalate
PF-85-1-S QA	91.03489	59507	< 330.		UG/KG	7/03/91	SLIGHT HC	4-Chloro-3-methylphenol
PF-85-1-	91.03489	106478	< 330.		UG/KG	7/03/91	SLIGHT HC	4-Chloroaniline

PF-85-1	91.03489	91587	< 330.	UG/KG	3/91	SLIGHT HC	2-Chloronaphthalene
PF-85-1-S QA	91.03489	95578	< 330.	UG/KG	7/03/91	SLIGHT HC	o-Chlorophenol
PF-85-1-S QA	91.03489	7005723	< 330.	UG/KG	7/03/91	SLIGHT HC	4-Chlorophenylphenyl ether
PF-85-1-S QA	91.03489	218019	< 330.	UG/KG	7/03/91	SLIGHT HC	Chrysene
PF-85-1-S QA	91.03489	84742	< 330.	UG/KG	7/03/91	SLIGHT HC	Di-n-butyl phthalate
PF-85-1-S QA	91.03489	117840	< 330.	UG/KG	7/03/91	SLIGHT HC	Di-n-octyl phthalate
PF-85-1-S QA	91.03489	53703	< 330.	UG/KG	7/03/91	SLIGHT HC	Dibenzo[a,h]anthracene
PF-85-1-S QA	91.03489	132649	< 330.	UG/KG	7/03/91	SLIGHT HC	Dibenzofuran
PF-85-1-S QA	91.03489	95501	< 330.	UG/KG	7/03/91	SLIGHT HC	o-Dichlorobenzene (1,2)
PF-85-1-S QA	91.03489	541731	< 330.	UG/KG	7/03/91	SLIGHT HC	m-Dichlorobenzene (1,3)
PF-85-1-S QA	91.03489	106467	< 330.	UG/KG	7/03/91	SLIGHT HC	p-Dichlorobenzene (1,4)
PF-85-1-S QA	91.03489	91941	< 330.	UG/KG	7/03/91	SLIGHT HC	3,3'-Dichlorobenzidine
PF-85-1-S QA	91.03489	120832	< 330.	UG/KG	7/03/91	SLIGHT HC	2,4-Dichlorophenol
PF-85-1-S QA	91.03489	84662	< 330.	UG/KG	7/03/91	SLIGHT HC	Diethyl phthalate
PF-85-1-S QA	91.03489	131113	< 330.	UG/KG	7/03/91	SLIGHT HC	Dimethyl phthalate
PF-85-1-S QA	91.03489	105679	< 330.	UG/KG	7/03/91	SLIGHT HC	2,4-Dimethylphenol
PF-85-1-S QA	91.03489	51285	< 330.	UG/KG	7/03/91	SLIGHT HC	2,4-Dinitrophenol
PF-85-1-S QA	91.03489	121142	< 330.	UG/KG	7/03/91	SLIGHT HC	2,4-Dinitrotoluene
PF-85-1-S QA	91.03489	606202	< 330.	UG/KG	7/03/91	SLIGHT HC	2,6-Dinitrotoluene
PF-85-1-S QA	91.03489	206440	< 330.	UG/KG	7/03/91	SLIGHT HC	Fluoranthene
PF-85-1-S QA	91.03489	86737	< 330.	UG/KG	7/03/91	SLIGHT HC	Fluorene
PF-85-1-S QA	91.03489	118741	< 330.	UG/KG	7/03/91	SLIGHT HC	Hexachlorobenzene
PF-85-1-S QA	91.03489	87683	< 330.	UG/KG	7/03/91	SLIGHT HC	Hexachlorobutadiene
PF-85-1-S QA	91.03489	77474	< 330.	UG/KG	7/03/91	SLIGHT HC	Hexachlorocyclopentadiene
PF-85-1-S QA	91.03489	67721	< 330.	UG/KG	7/03/91	SLIGHT HC	Hexachloroethane
PF-85-1-S QA	91.03489	193395	< 330.	UG/KG	7/03/91	SLIGHT HC	Indeno[1,2,3-cd]pyrene
PF-85-1-S QA	91.03489	78591	< 330.	UG/KG	7/03/91	SLIGHT HC	Isophorone
PF-85-1-S QA	91.03489	534521	< 330.	UG/KG	7/03/91	SLIGHT HC	2-Methyl-4,6-dinitrophenol
PF-85-1-S QA	91.03489	91576	< 330.	UG/KG	7/03/91	SLIGHT HC	2-Methylnaphthalene
PF-85-1-S QA	91.03489	95487	< 330.	UG/KG	7/03/91	SLIGHT HC	2-Methylphenol
PF-85-1-S QA	91.03489	106445	< 330.	UG/KG	7/03/91	SLIGHT HC	4-Methylphenol
PF-85-1-S QA	91.03489	91203	< 330.	UG/KG	7/03/91	SLIGHT HC	Naphthalene
PF-85-1-S QA	91.03489	88744	< 330.	UG/KG	7/03/91	SLIGHT HC	2-Nitroaniline
PF-85-1-S QA	91.03489	99092	< 330.	UG/KG	7/03/91	SLIGHT HC	3-Nitroaniline
PF-85-1-S QA	91.03489	100016	< 330.	UG/KG	7/03/91	SLIGHT HC	4-Nitroaniline
PF-85-1-S QA	91.03489	98953	< 330.	UG/KG	7/03/91	SLIGHT HC	Nitrobenzene
PF-85-1-S QA	91.03489	88755	< 330.	UG/KG	7/03/91	SLIGHT HC	2-Nitrophenol
PF-85-1-S QA	91.03489	100027	< 330.	UG/KG	7/03/91	SLIGHT HC	4-Nitrophenol
PF-85-1-S QA	91.03489	621647	< 330.	UG/KG	7/03/91	SLIGHT HC	N-Nitrosodi-n-propylamine
PF-85-1-S QA	91.03489	62759	< 330.	UG/KG	7/03/91	SLIGHT HC	N-Nitrosodimethylamine
PF-85-1-S QA	91.03489	86306	< 330.	UG/KG	7/03/91	SLIGHT HC	N-Nitrosodiphenylamine
PF-85-1-S QA	91.03489	87865	< 330.	UG/KG	7/03/91	SLIGHT HC	Pentachlorophenol
PF-85-1-S QA	91.03489	85018	< 330.	UG/KG	7/03/91	SLIGHT HC	Phenanthrene
PF-85-1-S QA	91.03489	108952	< 330.	UG/KG	7/03/91	SLIGHT HC	Phenol
PF-85-1-	91.03489	129000	< 330.	UG/KG	7/03/91	SLIGHT HC	Pyrene

PF-85-1-S	91.03489	120821	< 330.	UG/KG	7/03/91	SLIGHT HC	1,2,4-Trichlorobenzene
PF-85-1-S QA	91.03489	95954	< 330.	UG/KG	7/03/91	SLIGHT HC	2,4,5-Trichlorophenol
PF-85-1-S QA	91.03489	88062	< 330.	UG/KG	7/03/91	SLIGHT HC	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03489

none

Customer Sample Duplicate Results for Sample # 91.03489

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03489

none

REPORT N : 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03490

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/12/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-5'	91.03490	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-1-5'	91.03490	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-5'	91.03490	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-1-5'	91.03490	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-1-5'	91.03490	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-1-5'	91.03490	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-1-5'	91.03490	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-5'	91.03490	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-5'	91.03490	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-5'	91.03490	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-5'	91.03490	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-5'	91.03490	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-1-5'	91.03490	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-5'	91.03490	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-5'	91.03490	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-5'	91.03490	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-5'	91.03490	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-5'	91.03490	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-5'	91.03490	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-5'	91.03490	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-1	91.03490	106478	< 330.		UG/KG	7/[illegible]/91		4-Chloroaniline

PF-85-1-5'	91.03490	91587	< 330.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-1-5'	91.03490	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-5'	91.03490	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-5'	91.03490	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-1-5'	91.03490	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-5'	91.03490	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-5'	91.03490	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-5'	91.03490	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-5'	91.03490	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-5'	91.03490	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-5'	91.03490	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-5'	91.03490	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-5'	91.03490	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-5'	91.03490	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-5'	91.03490	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-5'	91.03490	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-5'	91.03490	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-5'	91.03490	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-5'	91.03490	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-5'	91.03490	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-1-5'	91.03490	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-1-5'	91.03490	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-5'	91.03490	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-5'	91.03490	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-5'	91.03490	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-5'	91.03490	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-5'	91.03490	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-1-5'	91.03490	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-5'	91.03490	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-5'	91.03490	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-5'	91.03490	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-5'	91.03490	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-1-5'	91.03490	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-5'	91.03490	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-5'	91.03490	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-5'	91.03490	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-5'	91.03490	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-5'	91.03490	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-5'	91.03490	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-5'	91.03490	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-5'	91.03490	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-5'	91.03490	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-5'	91.03490	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-1-5'	91.03490	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-1-	91.03490	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-1	91.03490	120821	< 330.	UG/KG	3/91	1,2,4-Trichlorobenzene
PF-85-1-5'	91.03490	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-5'	91.03490	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03490

none

Customer Sample Duplicate Results for Sample # 91.03490

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03490

none

REPORT NUMBER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91,03491

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/12/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-10'	91.03491	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-1-10'	91.03491	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-10'	91.03491	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-1-10'	91.03491	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-1-10'	91.03491	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-1-10'	91.03491	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-1-10'	91.03491	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-10'	91.03491	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-10'	91.03491	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-10'	91.03491	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-10'	91.03491	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-10'	91.03491	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-1-10'	91.03491	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-10'	91.03491	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-10'	91.03491	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-10'	91.03491	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-10'	91.03491	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-10'	91.03491	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-10'	91.03491	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-10'	91.03491	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-1	91.03491	106478	< 330.		UG/KG	7/03/91		4-Chloroaniline

PF-85-1-10	1.03491	91587	< 330.	UG/KG	7/[illegible]/91	2-Chloronaphthalene
PF-85-1-10'	91.03491	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-10'	91.03491	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-10'	91.03491	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-1-10'	91.03491	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-10'	91.03491	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-10'	91.03491	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-10'	91.03491	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-10'	91.03491	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-10'	91.03491	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-10'	91.03491	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-10'	91.03491	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-10'	91.03491	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-10'	91.03491	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-10'	91.03491	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-10'	91.03491	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-10'	91.03491	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-10'	91.03491	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-10'	91.03491	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-10'	91.03491	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-1-10'	91.03491	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-1-10'	91.03491	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-10'	91.03491	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-10'	91.03491	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-10'	91.03491	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-10'	91.03491	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-10'	91.03491	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-1-10'	91.03491	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-10'	91.03491	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-10'	91.03491	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-10'	91.03491	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-10'	91.03491	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-1-10'	91.03491	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-10'	91.03491	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-10'	91.03491	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-10'	91.03491	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-10'	91.03491	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-10'	91.03491	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-10'	91.03491	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-10'	91.03491	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-10'	91.03491	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-10'	91.03491	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-10'	91.03491	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-1-10'	91.03491	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-[illegible]	91.03491	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-1	91.03491	120821	< 330.	UG/KG	3/91	1,2,4-Trichlorobenzene
PF-85-1-10'	91.03491	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-10'	91.03491	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03491

none

Customer Sample Duplicate Results for Sample # 91.03491

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03491

none

REPORT NU .: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03492

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/12/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-15'	91.03492	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-1-15'	91.03492	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-15'	91.03492	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-1-15'	91.03492	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-1-15'	91.03492	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-1-15'	91.03492	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-1-15'	91.03492	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-15'	91.03492	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-15'	91.03492	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-15'	91.03492	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-15'	91.03492	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-15'	91.03492	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-1-15'	91.03492	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-15'	91.03492	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-15'	91.03492	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-15'	91.03492	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-15'	91.03492	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-15'	91.03492	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-15'	91.03492	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-15'	91.03492	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-'	91.03492	106478	< 330.		UG/KG	7/03/91		4-Chloroaniline

PF-85-1-1	.03492	91587	< 330.	UG/KG	1 91	2-Chloronaphthalene
PF-85-1-15'	91.03492	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-15'	91.03492	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-15'	91.03492	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-1-15'	91.03492	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-15'	91.03492	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-15'	91.03492	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-15'	91.03492	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-15'	91.03492	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-15'	91.03492	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-15'	91.03492	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-15'	91.03492	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-15'	91.03492	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-15'	91.03492	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-15'	91.03492	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-15'	91.03492	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-15'	91.03492	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-15'	91.03492	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-15'	91.03492	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-15'	91.03492	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-1-15'	91.03492	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-1-15'	91.03492	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-15'	91.03492	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-15'	91.03492	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-15'	91.03492	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-15'	91.03492	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-15'	91.03492	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-1-15'	91.03492	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-15'	91.03492	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-15'	91.03492	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-15'	91.03492	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-15'	91.03492	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-1-15'	91.03492	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-15'	91.03492	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-15'	91.03492	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-15'	91.03492	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-15'	91.03492	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-15'	91.03492	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-15'	91.03492	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-15'	91.03492	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-15'	91.03492	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-15'	91.03492	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-15'	91.03492	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-1-15'	91.03492	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-1	91.03492	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-1	91.03492	120821	< 330.	UG/KG	./03/91	1,2,4-Trichlorobenzene
PF-85-1-15'	91.03492	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-15'	91.03492	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03492

none

Customer Sample Duplicate Results for Sample # 91.03492

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03492

none

REPORT Nu : 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03493

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/12/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-20'	91.03493	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-1-20'	91.03493	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-20'	91.03493	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-1-20'	91.03493	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-1-20'	91.03493	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-1-20'	91.03493	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-1-20'	91.03493	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-20'	91.03493	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-20'	91.03493	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-20'	91.03493	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-20'	91.03493	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-20'	91.03493	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-1-20'	91.03493	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-20'	91.03493	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-20'	91.03493	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-20'	91.03493	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-20'	91.03493	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-20'	91.03493	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-20'	91.03493	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-20'	91.03493	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-[illegible]	91.03493	106478	< 330.		UG/KG	[illegible]/91		4-Chloroaniline

PF-85-1-	91.03493	91587	< 330.	UG/KG	./03/91	2-Chloronaphthalene
PF-85-1-20'	91.03493	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-20'	91.03493	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-20'	91.03493	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-1-20'	91.03493	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-20'	91.03493	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-20'	91.03493	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-20'	91.03493	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-20'	91.03493	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-20'	91.03493	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-20'	91.03493	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-20'	91.03493	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-20'	91.03493	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-20'	91.03493	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-20'	91.03493	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-20'	91.03493	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-20'	91.03493	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-20'	91.03493	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-20'	91.03493	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-20'	91.03493	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-1-20'	91.03493	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-1-20'	91.03493	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-20'	91.03493	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-20'	91.03493	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-20'	91.03493	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-20'	91.03493	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-20'	91.03493	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-1-20'	91.03493	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-20'	91.03493	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-20'	91.03493	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-20'	91.03493	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-20'	91.03493	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-1-20'	91.03493	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-20'	91.03493	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-20'	91.03493	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-20'	91.03493	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-20'	91.03493	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-20'	91.03493	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-20'	91.03493	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-20'	91.03493	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-20'	91.03493	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-20'	91.03493	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-20'	91.03493	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-1-20'	91.03493	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-	91.03493	129000	< 330.	UG/KG	03/91	Pyrene

PF-85-1-2[illegible]	[illegible]1.03493	120821	< 330.	UG/KG	[illegible]91	1,2,4-Trichlorobenzene
PF-85-1-20'	91.03493	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-20'	91.03493	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03493

none

Customer Sample Duplicate Results for Sample # 91.03493

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03493

none

REPORT NUMBER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03494

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/12/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-25'	91.03494	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-1-25'	91.03494	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-25'	91.03494	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-1-25'	91.03494	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-1-25'	91.03494	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-1-25'	91.03494	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-1-25'	91.03494	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-25'	91.03494	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-25'	91.03494	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-25'	91.03494	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-25'	91.03494	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-25'	91.03494	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-1-25'	91.03494	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-25'	91.03494	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-25'	91.03494	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-25'	91.03494	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-25'	91.03494	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-25'	91.03494	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-25'	91.03494	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-25'	91.03494	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85- '	91.03494	106478	< 330.		UG/KG	7/03/91		4-Chloroaniline

PF-85-1-25	1.03494	91587	< 330.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-1-25'	91.03494	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-25'	91.03494	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-25'	91.03494	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-1-25'	91.03494	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-25'	91.03494	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-25'	91.03494	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-25'	91.03494	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-25'	91.03494	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-25'	91.03494	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-25'	91.03494	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-25'	91.03494	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-25'	91.03494	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-25'	91.03494	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-25'	91.03494	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-25'	91.03494	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-25'	91.03494	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-25'	91.03494	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-25'	91.03494	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-25'	91.03494	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-1-25'	91.03494	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-1-25'	91.03494	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-25'	91.03494	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-25'	91.03494	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-25'	91.03494	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-25'	91.03494	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-25'	91.03494	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-1-25'	91.03494	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-25'	91.03494	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-25'	91.03494	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-25'	91.03494	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-25'	91.03494	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-1-25'	91.03494	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-25'	91.03494	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-25'	91.03494	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-25'	91.03494	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-25'	91.03494	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-25'	91.03494	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-25'	91.03494	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-25'	91.03494	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-25'	91.03494	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-25'	91.03494	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-25'	91.03494	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-1-25'	91.03494	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-[illegible]	91.03494	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-1-2[illegible]	91.03494	120821	< 330.	UG/KG	[illegible]/03/91	1,2,4-Trichlorobenzene
PF-85-1-25'	91.03494	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-25'	91.03494	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03494

none

Customer Sample Duplicate Results for Sample # 91.03494

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03494

none

REPORT NU .: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03495

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/13/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-30'	91.03495	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-1-30'	91.03495	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-30'	91.03495	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-1-30'	91.03495	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-1-30'	91.03495	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-1-30'	91.03495	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-1-30'	91.03495	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-30'	91.03495	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-30'	91.03495	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-30'	91.03495	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-30'	91.03495	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-30'	91.03495	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-1-30'	91.03495	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-30'	91.03495	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-30'	91.03495	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-30'	91.03495	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-30'	91.03495	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-30'	91.03495	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-30'	91.03495	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-30'	91.03495	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-1 [illegible]	91.03495	106478	< 330.		UG/KG	[illegible]/03/91		4-Chloroaniline

PF-85-1-30	.03495	91587	< 330.	UG/KG	7/ 1	2-Chloronaphthalene
PF-85-1-30'	91.03495	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-30'	91.03495	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-30'	91.03495	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-1-30'	91.03495	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-30'	91.03495	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-30'	91.03495	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-30'	91.03495	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-30'	91.03495	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-30'	91.03495	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-30'	91.03495	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-30'	91.03495	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-30'	91.03495	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-30'	91.03495	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-30'	91.03495	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-30'	91.03495	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-30'	91.03495	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-30'	91.03495	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-30'	91.03495	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-30'	91.03495	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-1-30'	91.03495	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-1-30'	91.03495	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-30'	91.03495	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-30'	91.03495	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-30'	91.03495	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-30'	91.03495	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-30'	91.03495	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-1-30'	91.03495	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-30'	91.03495	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-30'	91.03495	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-30'	91.03495	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-30'	91.03495	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-1-30'	91.03495	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-30'	91.03495	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-30'	91.03495	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-30'	91.03495	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-30'	91.03495	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-30'	91.03495	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-30'	91.03495	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-30'	91.03495	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-30'	91.03495	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-30'	91.03495	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-30'	91.03495	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-1-30'	91.03495	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-	91.03495	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-1-30	91.03495	120821	< 330.	UG/KG	7/03/91	1,2,4-Trichlorobenzene
PF-85-1-30'	91.03495	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-30'	91.03495	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03495

none

Customer Sample Duplicate Results for Sample # 91.03495

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03495

none

REPOR BER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03496

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/13/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-35'	91.03496	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-1-35'	91.03496	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-35'	91.03496	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-1-35'	91.03496	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-1-35'	91.03496	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-1-35'	91.03496	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-1-35'	91.03496	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-35'	91.03496	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-35'	91.03496	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-35'	91.03496	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-35'	91.03496	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-35'	91.03496	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-1-35'	91.03496	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-35'	91.03496	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-35'	91.03496	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-35'	91.03496	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-35'	91.03496	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-35'	91.03496	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-35'	91.03496	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-35'	91.03496	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-1-35'	91.03496	106478	< 330.		UG/KG	7/03/91		4-Chloroaniline

PF-85-1	91.03496	91587	< 330.	UG/KG	./03/91	2-Chloronaphthalene
PF-85-1-35'	91.03496	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-35'	91.03496	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-35'	91.03496	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-1-35'	91.03496	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-35'	91.03496	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-35'	91.03496	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-35'	91.03496	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-35'	91.03496	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-35'	91.03496	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-35'	91.03496	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-35'	91.03496	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-35'	91.03496	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-35'	91.03496	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-35'	91.03496	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-35'	91.03496	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-35'	91.03496	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-35'	91.03496	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-35'	91.03496	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-35'	91.03496	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-1-35'	91.03496	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-1-35'	91.03496	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-35'	91.03496	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-35'	91.03496	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-35'	91.03496	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-35'	91.03496	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-35'	91.03496	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-1-35'	91.03496	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-35'	91.03496	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-35'	91.03496	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-35'	91.03496	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-35'	91.03496	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-1-35'	91.03496	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-35'	91.03496	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-35'	91.03496	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-35'	91.03496	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-35'	91.03496	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-35'	91.03496	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-35'	91.03496	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-35'	91.03496	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-35'	91.03496	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-35'	91.03496	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-35'	91.03496	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-1-35'	91.03496	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-1-35'	91.03496	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-1-[illegible]	91.03496	120821	< 330.	UG/KG	[illegible]/91	1,2,4-Trichlorobenzene
PF-85-1-35'	91.03496	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-35'	91.03496	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03496

none

Customer Sample Duplicate Results for Sample # 91.03496

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03496

none

REPORT NU[illegible]: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03497

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/13/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-40'	91.03497	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-1-40'	91.03497	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-40'	91.03497	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-1-40'	91.03497	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-1-40'	91.03497	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-1-40'	91.03497	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-1-40'	91.03497	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-40'	91.03497	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-40'	91.03497	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-40'	91.03497	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-40'	91.03497	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-40'	91.03497	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-1-40'	91.03497	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-40'	91.03497	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-40'	91.03497	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-40'	91.03497	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-40'	91.03497	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-40'	91.03497	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-40'	91.03497	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-40'	91.03497	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-1-	91.03497	106478	< 330.		UG/KG	7/[illegible]91		4-Chloroaniline

PF-85-1-	1.03497	91587	< 330.	UG/KG	[illegible]91	2-Chloronaphthalene
PF-85-1-40'	91.03497	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-40'	91.03497	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-40'	91.03497	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-1-40'	91.03497	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-40'	91.03497	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-40'	91.03497	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-40'	91.03497	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-40'	91.03497	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-40'	91.03497	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-40'	91.03497	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-40'	91.03497	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-40'	91.03497	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-40'	91.03497	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-40'	91.03497	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-40'	91.03497	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-40'	91.03497	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-40'	91.03497	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-40'	91.03497	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-40'	91.03497	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-1-40'	91.03497	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-1-40'	91.03497	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-40'	91.03497	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-40'	91.03497	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-40'	91.03497	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-40'	91.03497	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-40'	91.03497	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-1-40'	91.03497	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-40'	91.03497	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-40'	91.03497	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-40'	91.03497	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-40'	91.03497	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-1-40'	91.03497	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-40'	91.03497	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-40'	91.03497	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-40'	91.03497	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-40'	91.03497	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-40'	91.03497	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-40'	91.03497	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-40'	91.03497	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-40'	91.03497	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-40'	91.03497	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-40'	91.03497	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-1-40'	91.03497	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-1-	91.03497	129000	< 330.	UG/KG	7[illegible]91	Pyrene

PF-85-1	91.03497	120821	< 330.	UG/KG	./03/91	1,2,4-Trichlorobenzene
PF-85-1-40'	91.03497	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-40'	91.03497	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03497

none

Customer Sample Duplicate Results for Sample # 91.03497

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03497

none

REPORT Nu .: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03498

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/13/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-45'	91.03498	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-1-45'	91.03498	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-1-45'	91.03498	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-1-45'	91.03498	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-1-45'	91.03498	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-1-45'	91.03498	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-1-45'	91.03498	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-1-45'	91.03498	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-1-45'	91.03498	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-1-45'	91.03493	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-1-45'	91.03498	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-1-45'	91.03498	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-1-45'	91.03498	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-1-45'	91.03498	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-1-45'	91.03498	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-1-45'	91.03498	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-1-45'	91.03498	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-1-45'	91.03498	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-1-45'	91.03498	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-1-45'	91.03498	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-1-	91.03498	106478	< 330.		UG/KG	7/[illegible]/91		4-Chloroaniline

PF-85-1-45	91.03498	91587	< 330.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-1-45'	91.03498	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-1-45'	91.03498	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-1-45'	91.03498	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-1-45'	91.03498	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-1-45'	91.03498	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-1-45'	91.03498	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-1-45'	91.03498	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-1-45'	91.03498	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-1-45'	91.03498	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-1-45'	91.03498	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-1-45'	91.03498	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-1-45'	91.03498	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-1-45'	91.03498	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-1-45'	91.03498	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-1-45'	91.03498	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-1-45'	91.03498	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-1-45'	91.03498	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-1-45'	91.03498	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-1-45'	91.03498	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-1-45'	91.03498	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-1-45'	91.03498	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-1-45'	91.03498	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-1-45'	91.03498	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-1-45'	91.03498	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-1-45'	91.03498	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-1-45'	91.03498	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-1-45'	91.03498	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-1-45'	91.03498	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-1-45'	91.03498	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-1-45'	91.03498	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-1-45'	91.03498	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-1-45'	91.03498	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-1-45'	91.03498	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-1-45'	91.03498	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-1-45'	91.03498	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-1-45'	91.03498	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-1-45'	91.03498	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-1-45'	91.03498	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-1-45'	91.03498	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-1-45'	91.03498	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-1-45'	91.03498	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-1-45'	91.03498	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-1-45'	91.03498	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-1-	91.03498	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-1-45	91.03498	120821	< 330.	UG/KG	7/03/91	1,2,4-Trichlorobenzene
PF-85-1-45'	91.03498	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-1-45'	91.03498	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03498

none

Customer Sample Duplicate Results for Sample # 91.03498

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03498

none

REPORT N .: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03499

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/13/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-S	91.03499	83329	< 660.		UG/KG	7/03/91		Acenaphthene
PF-85-2-S	91.03499	208968	< 660.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-S	91.03499	62533	< 660.		UG/KG	7/03/91		Aniline
PF-85-2-S	91.03499	120127	< 660.		UG/KG	7/03/91		Anthracene
PF-85-2-S	91.03499	103333	< 660.		UG/KG	7/03/91		Azobenzene
PF-85-2-S	91.03499	92875	< 660.		UG/KG	7/03/91		m-Benzidine
PF-85-2-S	91.03499	56553	< 660.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-S	91.03499	50328	< 660.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-S	91.03499	205992	< 660.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-S	91.03499	191242	< 660.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-S	91.03499	207089	< 660.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-S	91.03499	65850	< 660.		UG/KG	7/03/91		Benzoic acid
PF-85-2-S	91.03499	100516	< 660.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-S	91.03499	111911	< 660.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-S	91.03499	111444	< 660.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-S	91.03499	108601	< 660.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-S	91.03499	117817	< 660.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-S	91.03499	101553	< 660.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-S	91.03499	85687	< 660.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-S	91.03499	59507	< 660.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2	91.03499	106478	< 660.		UG/KG	7/03/91		4-Chloroaniline

PF-85-2-S	91.03499	91587	< 660.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-2-S	91.03499	95578	< 660.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-S	91.03499	7005723	< 660.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-S	91.03499	218019	< 660.	UG/KG	7/03/91	Chrysene
PF-85-2-S	91.03499	84742	< 660.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-S	91.03499	117840	< 660.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-S	91.03499	53703	< 660.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-S	91.03499	132649	< 660.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-S	91.03499	95501	< 660.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-S	91.03499	541731	< 660.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-S	91.03499	106467	< 660.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-S	91.03499	91941	< 660.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-S	91.03499	120832	< 660.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-S	91.03499	84662	< 660.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-S	91.03499	131113	< 660.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-S	91.03499	105679	< 660.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-S	91.03499	51285	< 660.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-S	91.03499	121142	< 660.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-S	91.03499	606202	< 660.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-S	91.03499	206440	< 660.	UG/KG	7/03/91	Fluoranthene
PF-85-2-S	91.03499	86737	< 660.	UG/KG	7/03/91	Fluorene
PF-85-2-S	91.03499	118741	< 660.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-S	91.03499	87683	< 660.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-S	91.03499	77474	< 660.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-S	91.03499	67721	< 660.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-S	91.03499	193395	< 660.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-S	91.03499	78591	< 660.	UG/KG	7/03/91	Isophorone
PF-85-2-S	91.03499	534521	< 660.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-S	91.03499	91576	< 660.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-S	91.03499	95487	< 660.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-S	91.03499	106445	< 660.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-S	91.03499	91203	< 660.	UG/KG	7/03/91	Naphthalene
PF-85-2-S	91.03499	88744	< 660.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-S	91.03499	99092	< 660.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-S	91.03499	100016	< 660.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-S	91.03499	98953	< 660.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-S	91.03499	88755	< 660.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-S	91.03499	100027	< 660.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-S	91.03499	621647	< 660.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-S	91.03499	62759	< 660.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-S	91.03499	86306	< 660.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-S	91.03499	87865	< 660.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-S	91.03499	85018	< 660.	UG/KG	7/03/91	Phenanthrene
PF-85-2-S	91.03499	108952	< 660.	UG/KG	7/03/91	Phenol
PF-85-2	91.03499	129000	< 660.	UG/KG	7/03/91	Pyrene

PF-85-2-S	1.03499	120821	< 660.	UG/KG	/91	1,2,4-Trichlorobenzene
PF-85-2-S	91.03499	95954	< 660.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-S	91.03499	88062	< 660.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03499

none

Customer Sample Duplicate Results for Sample # 91.03499

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03499

none

REPORT NUMBER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03500

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/14/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-5'	91.03500	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-2-5'	91.03500	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-5'	91.03500	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-2-5'	91.03500	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-2-5'	91.03500	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-2-5'	91.03500	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-2-5'	91.03500	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-5'	91.03500	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-5'	91.03500	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-5'	91.03500	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-5'	91.03500	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-5'	91.03500	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-2-5'	91.03500	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-5'	91.03500	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-5'	91.03500	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-5'	91.03500	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-5'	91.03500	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-5'	91.03500	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-5'	91.03500	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-5'	91.03500	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2	91.03500	106478	< 330.		UG/KG	7/03/91		4-Chloroaniline

PF-85-2-5	1.03500	91587	< 330.	UG/KG	[illegible]91	2-Chloronaphthalene
PF-85-2-5'	91.03500	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-5'	91.03500	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-5'	91.03500	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-2-5'	91.03500	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-5'	91.03500	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-5'	91.03500	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-5'	91.03500	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-5'	91.03500	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-5'	91.03500	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-5'	91.03500	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-5'	91.03500	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-5'	91.03500	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-5'	91.03500	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-5'	91.03500	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-5'	91.03500	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-5'	91.03500	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-5'	91.03500	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-5'	91.03500	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-5'	91.03500	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-2-5'	91.03500	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-2-5'	91.03500	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-5'	91.03500	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-5'	91.03500	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-5'	91.03500	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-5'	91.03500	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-5'	91.03500	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-2-5'	91.03500	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-5'	91.03500	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-5'	91.03500	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-5'	91.03500	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-5'	91.03500	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-2-5'	91.03500	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-5'	91.03500	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-5'	91.03500	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-5'	91.03500	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-5'	91.03500	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-5'	91.03500	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-5'	91.03500	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-5'	91.03500	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-5'	91.03500	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-5'	91.03500	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-5'	91.03500	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-2-5'	91.03500	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-2-[illegible]	91.03500	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-2-5	91.03500	120821	< 330.	UG/KG	7/03/91	1,2,4-Trichlorobenzene
PF-85-2-5'	91.03500	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-5'	91.03500	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03500

none

Customer Sample Duplicate Results for Sample # 91.03500

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03500

none

REPORT NU.. ..: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03501

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/15/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-10'	91.03501	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-2-10'	91.03501	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-10'	91.03501	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-2-10'	91.03501	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-2-10'	91.03501	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-2-10'	91.03501	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-2-10'	91.03501	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-10'	91.03501	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-10'	91.03501	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-10'	91.03501	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-10'	91.03501	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-10'	91.03501	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-2-10'	91.03501	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-10'	91.03501	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-10'	91.03501	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-10'	91.03501	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-10'	91.03501	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-10'	91.03501	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-10'	91.03501	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-10'	91.03501	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2-	91.03501	106478	< 330.		UG/KG	7/03/91		4-Chloroaniline

PF-85-2-10	91.03501	91587	< 330.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-2-10'	91.03501	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-10'	91.03501	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-10'	91.03501	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-2-10'	91.03501	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-10'	91.03501	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-10'	91.03501	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-10'	91.03501	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-10'	91.03501	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-10'	91.03501	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-10'	91.03501	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-10'	91.03501	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-10'	91.03501	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-10'	91.03501	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-10'	91.03501	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-10'	91.03501	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-10'	91.03501	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-10'	91.03501	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-10'	91.03501	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-10'	91.03501	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-2-10'	91.03501	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-2-10'	91.03501	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-10'	91.03501	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-10'	91.03501	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-10'	91.03501	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-10'	91.03501	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-10'	91.03501	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-2-10'	91.03501	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-10'	91.03501	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-10'	91.03501	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-10'	91.03501	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-10'	91.03501	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-2-10'	91.03501	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-10'	91.03501	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-10'	91.03501	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-10'	91.03501	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-10'	91.03501	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-10'	91.03501	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-10'	91.03501	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-10'	91.03501	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-10'	91.03501	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-10'	91.03501	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-10'	91.03501	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-2-10'	91.03501	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-2-	91.03501	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-2-10'	91.03501	120821	< 330.	UG/KG	7/03/91	1,2,4-Trichlorobenzene
PF-85-2-10'	91.03501	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-10'	91.03501	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03501

none

Customer Sample Duplicate Results for Sample # 91.03501

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03501

none

REPORT R: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03502

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/15/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-15'	91.03502	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-2-15'	91.03502	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-15'	91.03502	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-2-15'	91.03502	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-2-15'	91.03502	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-2-15'	91.03502	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-2-15'	91.03502	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-15'	91.03502	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-15'	91.03502	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-15'	91.03502	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-15'	91.03502	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-15'	91.03502	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-2-15'	91.03502	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-15'	91.03502	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-15'	91.03502	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-15'	91.03502	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-15'	91.03502	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-15'	91.03502	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-15'	91.03502	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-15'	91.03502	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2-	91.03502	106478	< 330.		UG/KG	7/03/91		4-Chloroaniline

PF-85-2-1	91.03502	91587	< 330.	UG/KG	/91	2-Chloronaphthalene
PF-85-2-15'	91.03502	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-15'	91.03502	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-15'	91.03502	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-2-15'	91.03502	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-15'	91.03502	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-15'	91.03502	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-15'	91.03502	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-15'	91.03502	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-15'	91.03502	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-15'	91.03502	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-15'	91.03502	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-15'	91.03502	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-15'	91.03502	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-15'	91.03502	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-15'	91.03502	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-15'	91.03502	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-15'	91.03502	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-15'	91.03502	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-15'	91.03502	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-2-15'	91.03502	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-2-15'	91.03502	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-15'	91.03502	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-15'	91.03502	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-15'	91.03502	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-15'	91.03502	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-15'	91.03502	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-2-15'	91.03502	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-15'	91.03502	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-15'	91.03502	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-15'	91.03502	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-15'	91.03502	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-2-15'	91.03502	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-15'	91.03502	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-15'	91.03502	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-15'	91.03502	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-15'	91.03502	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-15'	91.03502	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-15'	91.03502	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-15'	91.03502	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-15'	91.03502	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-15'	91.03502	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-15'	91.03502	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-2-15'	91.03502	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-2-	91.03502	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-2-	91.03502	120821	< 330.	UG/KG	3/91	1,2,4-Trichlorobenzene
PF-85-2-15'	91.03502	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-15'	91.03502	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03502

none

Customer Sample Duplicate Results for Sample # 91.03502

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03502

none

REPORT NU :: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03503

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/15/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-20'	91.03503	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-2-20'	91.03503	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-20'	91.03503	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-2-20'	91.03503	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-2-20'	91.03503	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-2-20'	91.03503	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-2-20'	91.03503	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-20'	91.03503	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-20'	91.03503	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-20'	91.03503	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-20'	91.03503	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-20'	91.03503	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-2-20'	91.03503	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-20'	91.03503	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-20'	91.03503	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-20'	91.03503	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-20'	91.03503	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-20'	91.03503	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-20'	91.03503	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-20'	91.03503	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2-2[illegible]	91.03503	106478	< 330.		UG/KG	7/03/91		4-Chloroaniline

PF-85-2-20	91.03503	91587	< 330.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-2-20'	91.03503	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-20'	91.03503	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-20'	91.03503	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-2-20'	91.03503	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-20'	91.03503	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-20'	91.03503	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-20'	91.03503	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-20'	91.03503	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-20'	91.03503	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-20'	91.03503	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-20'	91.03503	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-20'	91.03503	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-20'	91.03503	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-20'	91.03503	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-20'	91.03503	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-20'	91.03503	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-20'	91.03503	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-20'	91.03503	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-20'	91.03503	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-2-20'	91.03503	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-2-20'	91.03503	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-20'	91.03503	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-20'	91.03503	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-20'	91.03503	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-20'	91.03503	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-20'	91.03503	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-2-20'	91.03503	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-20'	91.03503	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-20'	91.03503	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-20'	91.03503	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-20'	91.03503	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-2-20'	91.03503	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-20'	91.03503	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-20'	91.03503	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-20'	91.03503	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-20'	91.03503	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-20'	91.03503	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-20'	91.03503	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-20'	91.03503	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-20'	91.03503	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-20'	91.03503	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-20'	91.03503	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-2-20'	91.03503	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-2	91.03503	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-2-[illegible]	91.03503	120821	< 330.	UG/KG	[illegible]/03/91	1,2,4-Trichlorobenzene
PF-85-2-20'	91.03503	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-20'	91.03503	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03503

none

Customer Sample Duplicate Results for Sample # 91.03503

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03503

none

REPORT NUMBER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03504

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/15/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-25'	91.03504	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-2-25'	91.03504	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-25'	91.03504	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-2-25'	91.03504	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-2-25'	91.03504	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-2-25'	91.03504	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-2-25'	91.03504	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-25'	91.03504	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-25'	91.03504	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-25'	91.03504	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-25'	91.03504	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-25'	91.03504	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-2-25'	91.03504	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-25'	91.03504	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-25'	91.03504	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-25'	91.03504	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-25'	91.03504	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-25'	91.03504	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-25'	91.03504	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-25'	91.03504	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2-[illegible]	91.03504	106478	< 330.		UG/KG	7/03/91		4-Chloroaniline

PF-85-2-	91.03504	91587	< 330.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-2-25'	91.03504	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-25'	91.03504	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-25'	91.03504	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-2-25'	91.03504	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-25'	91.03504	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-25'	91.03504	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-25'	91.03504	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-25'	91.03504	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-25'	91.03504	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-25'	91.03504	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-25'	91.03504	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-25'	91.03504	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-25'	91.03504	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-25'	91.03504	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-25'	91.03504	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-25'	91.03504	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-25'	91.03504	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-25'	91.03504	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-25'	91.03504	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-2-25'	91.03504	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-2-25'	91.03504	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-25'	91.03504	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-25'	91.03504	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-25'	91.03504	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-25'	91.03504	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-25'	91.03504	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-2-25'	91.03504	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-25'	91.03504	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-25'	91.03504	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-25'	91.03504	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-25'	91.03504	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-2-25'	91.03504	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-25'	91.03504	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-25'	91.03504	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-25'	91.03504	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-25'	91.03504	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-25'	91.03504	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-25'	91.03504	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-25'	91.03504	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-25'	91.03504	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-25'	91.03504	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-25'	91.03504	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-2-25'	91.03504	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-2-	91.03504	129000	< 330.	UG/KG	7/03/91	Pyrene

PF-85-2-2	91.03504	120821	< 330.	UG/KG	7/03/91	1,2,4-Trichlorobenzene
PF-85-2-25'	91.03504	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-25'	91.03504	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03504

none

Customer Sample Duplicate Results for Sample # 91.03504

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03504

none

REPORT NUMBER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03505

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/15/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-30'	91.03505	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-2-30'	91.03505	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-30'	91.03505	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-2-30'	91.03505	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-2-30'	91.03505	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-2-30'	91.03505	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-2-30'	91.03505	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-30'	91.03505	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-30'	91.03505	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-30'	91.03505	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-30'	91.03505	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-30'	91.03505	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-2-30'	91.03505	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-30'	91.03505	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-30'	91.03505	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-30'	91.03505	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-30'	91.03505	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-30'	91.03505	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-30'	91.03505	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-30'	91.03505	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2	91.03505	106478	< 330.		UG/KG	[illegible]/91		4-Chloroaniline

PF-85-[illegible]	91.03505	91587	< 330.	UG/KG	[illegible]/03/91	2-Chloronaphthalene
PF-85-2-30'	91.03505	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-30'	91.03505	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-30'	91.03505	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-2-30'	91.03505	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-30'	91.03505	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-30'	91.03505	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-30'	91.03505	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-30'	91.03505	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-30'	91.03505	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-30'	91.03505	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-30'	91.03505	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-30'	91.03505	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-30'	91.03505	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-30'	91.03505	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-30'	91.03505	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-30'	91.03505	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-30'	91.03505	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-30'	91.03505	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-30'	91.03505	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-2-30'	91.03505	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-2-30'	91.03505	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-30'	91.03505	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-30'	91.03505	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-30'	91.03505	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-30'	91.03505	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-30'	91.03505	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-2-30'	91.03505	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-30'	91.03505	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-30'	91.03505	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-30'	91.03505	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-30'	91.03505	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-2-30'	91.03505	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-30'	91.03505	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-30'	91.03505	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-30'	91.03505	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-30'	91.03505	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-30'	91.03505	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-30'	91.03505	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-30'	91.03505	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-30'	91.03505	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-30'	91.03505	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-30'	91.03505	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-2-30'	91.03505	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-[illegible]	91.03505	129000	< 330.	UG/KG	[illegible]/91	Pyrene

PF-85-2-30'	91.03505	120821	< 330.	UG/KG	7/03/91	1,2,4-Trichlorobenzene
PF-85-2-30'	91.03505	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-30'	91.03505	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03505

none

Customer Sample Duplicate Results for Sample # 91.03505

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03505

none

REPORT NUMBER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03506

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/15/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-35'	91.03506	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-2-35'	91.03506	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-35'	91.03506	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-2-35'	91.03506	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-2-35'	91.03506	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-2-35'	91.03506	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-2-35'	91.03506	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-35'	91.03506	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-35'	91.03506	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-35'	91.03506	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-35'	91.03506	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-35'	91.03506	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-2-35'	91.03506	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-35'	91.03506	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-35'	91.03506	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-35'	91.03506	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-35'	91.03506	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-35'	91.03506	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-35'	91.03506	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-35'	91.03506	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2	91.03506	106478	< 330.		UG/KG	[illegible]/91		4-Chloroaniline

PF-85-2-35	91.03506	91587	< 330.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-2-35'	91.03506	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-35'	91.03506	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-35'	91.03506	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-2-35'	91.03506	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-35'	91.03506	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-35'	91.03506	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-35'	91.03506	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-35'	91.03506	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-35'	91.03506	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-35'	91.03506	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-35'	91.03506	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-35'	91.03506	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-35'	91.03506	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-35'	91.03506	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-35'	91.03506	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-35'	91.03506	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-35'	91.03506	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-35'	91.03506	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-35'	91.03506	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-2-35'	91.03506	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-2-35'	91.03506	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-35'	91.03506	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-35'	91.03506	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-35'	91.03506	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-35'	91.03506	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-35'	91.03506	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-2-35'	91.03506	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-35'	91.03506	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-35'	91.03506	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-35'	91.03506	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-35'	91.03506	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-2-35'	91.03506	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-35'	91.03506	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-35'	91.03506	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-35'	91.03506	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-35'	91.03506	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-35'	91.03506	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-35'	91.03506	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-35'	91.03506	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-35'	91.03506	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-35'	91.03506	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-35'	91.03506	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-2-35'	91.03506	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-[illegible]	91.03506	129000	< 330.	UG/KG	[illegible]/91	Pyrene

PF-85-2-3	91.03506	120821	< 330.	UG/KG	/91	1,2,4-Trichlorobenzene
PF-85-2-35'	91.03506	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-35'	91.03506	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03506

none

Customer Sample Duplicate Results for Sample # 91.03506

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03506

none

REPORT NUMBER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03507

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/15/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-40'	91.03507	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-2-40'	91.03507	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-40'	91.03507	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-2-40'	91.03507	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-2-40'	91.03507	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-2-40'	91.03507	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-2-40'	91.03507	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-40'	91.03507	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-40'	91.03507	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-40'	91.03507	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-40'	91.03507	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-40'	91.03507	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-2-40'	91.03507	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-40'	91.03507	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-40'	91.03507	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-40'	91.03507	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-40'	91.03507	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-40'	91.03507	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-40'	91.03507	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-40'	91.03507	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2	91.03507	106478	< 330.		UG/KG	[illegible]/91		4-Chloroaniline

PF-85-2-40	91.03507	91587	< 330.	UG/KG	7/03/91	2-Chloronaphthalene
PF-85-2-40'	91.03507	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-40'	91.03507	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-40'	91.03507	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-2-40'	91.03507	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-40'	91.03507	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-40'	91.03507	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-40'	91.03507	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-40'	91.03507	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-40'	91.03507	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-40'	91.03507	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-40'	91.03507	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-40'	91.03507	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-40'	91.03507	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-40'	91.03507	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-40'	91.03507	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-40'	91.03507	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-40'	91.03507	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-40'	91.03507	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-40'	91.03507	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-2-40'	91.03507	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-2-40'	91.03507	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-40'	91.03507	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-40'	91.03507	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-40'	91.03507	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-40'	91.03507	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-40'	91.03507	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-2-40'	91.03507	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-40'	91.03507	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-40'	91.03507	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-40'	91.03507	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-40'	91.03507	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-2-40'	91.03507	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-40'	91.03507	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-40'	91.03507	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-40'	91.03507	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-40'	91.03507	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-40'	91.03507	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-40'	91.03507	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-40'	91.03507	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-40'	91.03507	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-40'	91.03507	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-40'	91.03507	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-2-40'	91.03507	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-2	91.03507	129000	< 330.	UG/KG	[illegible]/91	Pyrene

PF-85-2-	91.03507	120821	< 330.	UG/KG	03/91	1,2,4-Trichlorobenzene
PF-85-2-40'	91.03507	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-40'	91.03507	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03507

none

Customer Sample Duplicate Results for Sample # 91.03507

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03507

none

REPORT NUMBER: 10729

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

Customer Sample Results, Sample # 91.03508

Date Collected: 4/27/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/15/91

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-2-45'	91.03508	83329	< 330.		UG/KG	7/03/91		Acenaphthene
PF-85-2-45'	91.03508	208968	< 330.		UG/KG	7/03/91		Acenaphthylene
PF-85-2-45'	91.03508	62533	< 330.		UG/KG	7/03/91		Aniline
PF-85-2-45'	91.03508	120127	< 330.		UG/KG	7/03/91		Anthracene
PF-85-2-45'	91.03508	103333	< 330.		UG/KG	7/03/91		Azobenzene
PF-85-2-45'	91.03508	92875	< 330.		UG/KG	7/03/91		m-Benzidine
PF-85-2-45'	91.03508	56553	< 330.		UG/KG	7/03/91		Benzo[a]anthracene
PF-85-2-45'	91.03508	50328	< 330.		UG/KG	7/03/91		Benzo[a]pyrene
PF-85-2-45'	91.03508	205992	< 330.		UG/KG	7/03/91		Benzo[b]fluoranthene
PF-85-2-45'	91.03508	191242	< 330.		UG/KG	7/03/91		Benzo[g,h,i]perylene
PF-85-2-45'	91.03508	207089	< 330.		UG/KG	7/03/91		Benzo[k]fluoranthene
PF-85-2-45'	91.03508	65850	< 330.		UG/KG	7/03/91		Benzoic acid
PF-85-2-45'	91.03508	100516	< 330.		UG/KG	7/03/91		Benzyl alcohol
PF-85-2-45'	91.03508	111911	< 330.		UG/KG	7/03/91		Bis(2-chloroethoxy)methane
PF-85-2-45'	91.03508	111444	< 330.		UG/KG	7/03/91		Bis(2-chloroethyl)ether
PF-85-2-45'	91.03508	108601	< 330.		UG/KG	7/03/91		Bis(2-chloroisopropyl)ether
PF-85-2-45'	91.03508	117817	< 330.		UG/KG	7/03/91		Bis(2-ethylhexyl)phthalate
PF-85-2-45'	91.03508	101553	< 330.		UG/KG	7/03/91		4-Bromophenylphenyl ether
PF-85-2-45'	91.03508	85687	< 330.		UG/KG	7/03/91		Butylbenzyl phthalate
PF-85-2-45'	91.03508	59507	< 330.		UG/KG	7/03/91		4-Chloro-3-methylphenol
PF-85-2	91.03508	106478	< 330.		UG/KG	'91		4-Chloroaniline

PF-85-2	91.03508	91587	< 330.	UG/KG	03/91	2-Chloronaphthalene
PF-85-2-45'	91.03508	95578	< 330.	UG/KG	7/03/91	o-Chlorophenol
PF-85-2-45'	91.03508	7005723	< 330.	UG/KG	7/03/91	4-Chlorophenylphenyl ether
PF-85-2-45'	91.03508	218019	< 330.	UG/KG	7/03/91	Chrysene
PF-85-2-45'	91.03508	84742	< 330.	UG/KG	7/03/91	Di-n-butyl phthalate
PF-85-2-45'	91.03508	117840	< 330.	UG/KG	7/03/91	Di-n-octyl phthalate
PF-85-2-45'	91.03508	53703	< 330.	UG/KG	7/03/91	Dibenzo[a,h]anthracene
PF-85-2-45'	91.03508	132649	< 330.	UG/KG	7/03/91	Dibenzofuran
PF-85-2-45'	91.03508	95501	< 330.	UG/KG	7/03/91	o-Dichlorobenzene (1,2)
PF-85-2-45'	91.03508	541731	< 330.	UG/KG	7/03/91	m-Dichlorobenzene (1,3)
PF-85-2-45'	91.03508	106467	< 330.	UG/KG	7/03/91	p-Dichlorobenzene (1,4)
PF-85-2-45'	91.03508	91941	< 330.	UG/KG	7/03/91	3,3'-Dichlorobenzidine
PF-85-2-45'	91.03508	120832	< 330.	UG/KG	7/03/91	2,4-Dichlorophenol
PF-85-2-45'	91.03508	84662	< 330.	UG/KG	7/03/91	Diethyl phthalate
PF-85-2-45'	91.03508	131113	< 330.	UG/KG	7/03/91	Dimethyl phthalate
PF-85-2-45'	91.03508	105679	< 330.	UG/KG	7/03/91	2,4-Dimethylphenol
PF-85-2-45'	91.03508	51285	< 330.	UG/KG	7/03/91	2,4-Dinitrophenol
PF-85-2-45'	91.03508	121142	< 330.	UG/KG	7/03/91	2,4-Dinitrotoluene
PF-85-2-45'	91.03508	606202	< 330.	UG/KG	7/03/91	2,6-Dinitrotoluene
PF-85-2-45'	91.03508	206440	< 330.	UG/KG	7/03/91	Fluoranthene
PF-85-2-45'	91.03508	86737	< 330.	UG/KG	7/03/91	Fluorene
PF-85-2-45'	91.03508	118741	< 330.	UG/KG	7/03/91	Hexachlorobenzene
PF-85-2-45'	91.03508	87683	< 330.	UG/KG	7/03/91	Hexachlorobutadiene
PF-85-2-45'	91.03508	77474	< 330.	UG/KG	7/03/91	Hexachlorocyclopentadiene
PF-85-2-45'	91.03508	67721	< 330.	UG/KG	7/03/91	Hexachloroethane
PF-85-2-45'	91.03508	193395	< 330.	UG/KG	7/03/91	Indeno[1,2,3-cd]pyrene
PF-85-2-45'	91.03508	78591	< 330.	UG/KG	7/03/91	Isophorone
PF-85-2-45'	91.03508	534521	< 330.	UG/KG	7/03/91	2-Methyl-4,6-dinitrophenol
PF-85-2-45'	91.03508	91576	< 330.	UG/KG	7/03/91	2-Methylnaphthalene
PF-85-2-45'	91.03508	95487	< 330.	UG/KG	7/03/91	2-Methylphenol
PF-85-2-45'	91.03508	106445	< 330.	UG/KG	7/03/91	4-Methylphenol
PF-85-2-45'	91.03508	91203	< 330.	UG/KG	7/03/91	Naphthalene
PF-85-2-45'	91.03508	88744	< 330.	UG/KG	7/03/91	2-Nitroaniline
PF-85-2-45'	91.03508	99092	< 330.	UG/KG	7/03/91	3-Nitroaniline
PF-85-2-45'	91.03508	100016	< 330.	UG/KG	7/03/91	4-Nitroaniline
PF-85-2-45'	91.03508	98953	< 330.	UG/KG	7/03/91	Nitrobenzene
PF-85-2-45'	91.03508	88755	< 330.	UG/KG	7/03/91	2-Nitrophenol
PF-85-2-45'	91.03508	100027	< 330.	UG/KG	7/03/91	4-Nitrophenol
PF-85-2-45'	91.03508	621647	< 330.	UG/KG	7/03/91	N-Nitrosodi-n-propylamine
PF-85-2-45'	91.03508	62759	< 330.	UG/KG	7/03/91	N-Nitrosodimethylamine
PF-85-2-45'	91.03508	86306	< 330.	UG/KG	7/03/91	N-Nitrosodiphenylamine
PF-85-2-45'	91.03508	87865	< 330.	UG/KG	7/03/91	Pentachlorophenol
PF-85-2-45'	91.03508	85018	< 330.	UG/KG	7/03/91	Phenanthrene
PF-85-2-45'	91.03508	108952	< 330.	UG/KG	7/03/91	Phenol
PF-85-2	91.03508	129000	< 330.	UG/KG	/91	Pyrene

PF-85-2-4.	91.03508	120821	< 330.	UG/KG	7/03/91	1,2,4-Trichlorobenzene
PF-85-2-45'	91.03508	95954	< 330.	UG/KG	7/03/91	2,4,5-Trichlorophenol
PF-85-2-45'	91.03508	88062	< 330.	UG/KG	7/03/91	2,4,6-Trichlorophenol

Tentatively Identified Compounds in Customer Sample # 91.03508

none

Customer Sample Duplicate Results for Sample # 91.03508

none

Tentatively Identified Compounds in Customer Sample Duplicates for Sample # 91.03508

none

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********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: LAT on 3-Jul-1991

EPA SEMIVOLATILES

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

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 HSE-9

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

Blank Results

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUN
00.20227	91.03513	83329	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Acenaphthene
00.20227	91.03513	208968	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Acenaphthylene
00.20227	91.03513	62533	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Aniline
00.20227	91.03513	120127	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Anthracene
00.20227	91.03513	103333	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Azobenzene
00.20227	91.03513	92875	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	m-Benzidine
00.20227	91.03513	56553	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[a]anthracene
00.20227	91.03513	50328	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[a]pyrene
00.20227	91.03513	205992	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[b]fluoranthene
00.20227	91.03513	191242	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[g,h,i]perylene
00.20227	91.03513	207089	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[k]fluoranthene
00.20227	91.03513	65850	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Benzoic acid
00.20227	91.03513	100516	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Benzyl alcohol
00.20227	91.03513	111911	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Bis(2-chloroethoxy)methane
00.20227	91.03513	111444	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Bis(2-chloroethyl)ether
00.20227	91.03513	108601	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Bis(2-chloroisopropyl)ether
00.20227	91.03513	117817	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
00.20227	91.03513	101553	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	4-Bromophenylphenyl ether
00.20227	91.03513	85687	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Butylbenzyl phthalate
00.20227	91.03513	59507	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	4-Chloro-3-methylphenol
00.20227	91.03513	106478	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	4-Chloroaniline
00.20227	91.03513	91587	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	2-Chloronaphthalene
00.20227	91.03513	95578	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	o-Chlorophenol
00.20227	91.03513	7005723	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	4-Chlorophenylphenyl ether
00.20227	91.03513	218019	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Chrysene
00.20227	91.03513	84742	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Di-n-butyl phthalate
00.20227	91.03513	117840	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Di-n-octyl phthalate
00.20227	91.03513	53703	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Dibenzo[a,h]anthracene
00.20227	91.03513	132649	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	Dibenzofuran
00.20227	91.03513	95501	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20227	91.03513	541731	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.2022	91.03513	106467	< 330.		UG/KG	0.0		7/03/91	UNDER CONTROL	p-Dichlorobenzene

00.20227	91.03513	91941	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	3,3'-Dichlorob .dine
00.20227	91.03513	120832	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2,4-Dichlorophenol
00.20227	91.03513	84662	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Diethyl phthalate
00.20227	91.03513	131113	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Dimethyl phthalate
00.20227	91.03513	105679	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2,4-Dimethylphenol
00.20227	91.03513	51285	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2,4-Dinitrophenol
00.20227	91.03513	121142	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2,4-Dinitrotoluene
00.20227	91.03513	606202	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2,6-Dinitrotoluene
00.20227	91.03513	206440	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Fluoranthene
00.20227	91.03513	86737	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Fluorene
00.20227	91.03513	118741	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Hexachlorobenzene
00.20227	91.03513	87683	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Hexachlorobutadiene
00.20227	91.03513	77474	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Hexachlorocyclopentadiene
00.20227	91.03513	67721	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Hexachloroethane
00.20227	91.03513	193395	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
00.20227	91.03513	78591	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Isophorone
00.20227	91.03513	534521	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
00.20227	91.03513	91576	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2-Methylnaphthalene
00.20227	91.03513	95487	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2-Methylphenol
00.20227	91.03513	106445	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	4-Methylphenol
00.20227	91.03513	91203	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Naphthalene
00.20227	91.03513	88744	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2-Nitroaniline
00.20227	91.03513	99092	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	3-Nitroaniline
00.20227	91.03513	100016	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	4-Nitroaniline
00.20227	91.03513	98953	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Nitrobenzene
00.20227	91.03513	88755	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2-Nitrophenol
00.20227	91.03513	100027	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	4-Nitrophenol
00.20227	91.03513	621647	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	N-Nitrosodi-n-propylamine
00.20227	91.03513	62759	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	N-Nitrosodimethylamine
00.20227	91.03513	86306	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	N-Nitrosodiphenylamine
00.20227	91.03513	87865	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Pentachlorophenol
00.20227	91.03513	85018	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Phenanthrene
00.20227	91.03513	108952	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Phenol
00.20227	91.03513	129000	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	Pyrene
00.20227	91.03513	120821	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20227	91.03513	95954	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2,4,5-Trichlorophenol
00.20227	91.03513	88062	< 330.	UG/KG	0.0	7/03/91	UNDER CONTROL	2,4,6-Trichlorophenol

Blank Spike Results

none

Blank Spike Duplicate Results

none

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

Blind QC Results, Sample # 91.03512

Date Collected: 4/29/91 Date Received: 4/29/91 Date Extracted: 5/09/91 Date Analyzed: 6/14/91

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
91.03512	83329	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Acenaphthene
91.03512	208968	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Acenaphthylene
91.03512	62533	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Aniline
91.03512	120127	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Anthracene
91.03512	103333	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Azobenzene
91.03512	92875	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	m-Benzidine
91.03512	56553	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[a]anthracene
91.03512	50328	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[a]pyrene
91.03512	205992	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[b]fluoranthene
91.03512	191242	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[g,h,i]perylene
91.03512	207089	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Benzo[k]fluoranthene
91.03512	65850	0.72	0.216	MG/KG	3.6	0.4	7/03/91	OUT OF CONTROL	Benzoic acid
91.03512	100516	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Benzyl alcohol
91.03512	111911	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Bis(2-chloroethoxy)methane
91.03512	111444	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Bis(2-chloroethyl)ether
91.03512	108601	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Bis(2-chloroisopropyl)ether
91.03512	117817	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Bis(2-ethylhexyl)phthalate
91.03512	101553	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	4-Bromophenylphenyl ether
91.03512	85687	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Butylbenzyl phthalate
91.03512	59507	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	4-Chloro-3-methylphenol
91.03512	106478	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	4-Chloroaniline
91.03512	91587	2.	0.6	MG/KG	3.6	0.4	7/03/91	WARNING 2-3 SIG	2-Chloronaphthalene
91.03512	95578	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	o-Chlorophenol
91.03512	7005723	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	4-Chlorophenylphenyl ether
91.03512	218019	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Chrysene
91.03512	84742	2.6	0.78	MG/KG	4.	0.4	7/03/91	UNDER CONTROL	Di-n-butyl phthalate
91.03512	117840	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Di-n-octyl phthalate
91.03512	53703	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Dibenzo[a,h]anthracene
91.03512	132649	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Dibenzofuran
91.03512	95501	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	o-Dichlorobenzene (1,2)
91.0351[illegible]	[illegible]41731	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	m-Dichlorobenzene (1,3)

91.03512	.06467	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	p-Dichlorobenzene (1,4)
91.03512	91941	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	3,3'-Dichlorobenzidine
91.03512	120832	2.4	0.72	MG/KG	4.1	0.4	7/03/91	WARNING 2-3 SIG	2,4-Dichlorophenol
91.03512	84662	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Diethyl phthalate
91.03512	131113	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Dimethyl phthalate
91.03512	105679	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2,4-Dimethylphenol
91.03512	51285	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2,4-Dinitrophenol
91.03512	121142	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2,4-Dinitrotoluene
91.03512	606202	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2,6-Dinitrotoluene
91.03512	206440	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Fluoranthene
91.03512	86737	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Fluorene
91.03512	118741	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Hexachlorobenzene
91.03512	87683	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Hexachlorobutadiene
91.03512	77474	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Hexachlorocyclopentadiene
91.03512	67721	1.7	0.51	MG/KG	3.7	0.4	7/03/91	OUT OF CONTROL	Hexachloroethane
91.03512	193395	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Indeno[1,2,3-cd]pyrene
91.03512	78591	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Isophorone
91.03512	534521	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
91.03512	91576	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2-Methylnaphthalene
91.03512	95487	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2-Methylphenol
91.03512	106445	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	4-Methylphenol
91.03512	91203	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Naphthalene
91.03512	88744	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2-Nitroaniline
91.03512	99092	0.74	0.222	MG/KG	3.4	0.3	7/03/91	OUT OF CONTROL	3-Nitroaniline
91.03512	100016	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	4-Nitroaniline
91.03512	98953	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Nitrobenzene
91.03512	88755	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2-Nitrophenol
91.03512	100027	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	4-Nitrophenol
91.03512	621647	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	N-Nitrosodi-n-propylamine
91.03512	62759	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	N-Nitrosodimethylamine
91.03512	86306	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	N-Nitrosodiphenylamine
91.03512	87865	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Pentachlorophenol
91.03512	85018	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Phenanthrene
91.03512	108952	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Phenol
91.03512	129000	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	Pyrene
91.03512	120821	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	1,2,4-Trichlorobenzene
91.03512	95954	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2,4,5-Trichlorophenol
91.03512	88062	< 0.33		MG/KG	0.0		7/03/91	UNDER CONTROL	2,4,6-Trichlorophenol

SURROGATE RESULTS FOR EPA SEMIVOLATILES

Surrogate 1 = 2-Fluorophenol (CAS # = 367124)
Surrogate 2 = Phenol-d5 (CAS # = 4165622)
Surrogate 3 = Nitrobenzene-d5 (CAS # = 4165600)
Surrogate = 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
91.03488	%	4.8	24.48	78.64	109.36	33.24	91.28	3-Jul-1991
91.03489	%	58.69	73.77	56.78	71.5	59.61	73.82	3-Jul-1991
91.03490	%	63.19	76.7	68.78	72.96	52.61	80.78	3-Jul-1991
91.03491	%	2.24	3.83	2.26	16.9	34.04	76.2	3-Jul-1991
91.03492	%	55.13	73.8	68.44	79.26	37.01	84.48	3-Jul-1991
91.03493	%	18.28	48.95	59.84	70.98	32.2	89.04	3-Jul-1991
91.03494	%	24.65	56.17	65.94	75.32	31.61	83.5	3-Jul-1991
91.03495	%	60.89	74.24	61.08	69.82	67.07	80.86	3-Jul-1991
91.03496	%	57.79	69.24	58.62	70.18	66.63	75.06	3-Jul-1991
91.03497	%	56.58	66.9	61.24	71.56	62.1	75.1	3-Jul-1991
91.03498	%	48.06	66.22	63.6	73.78	60.19	77.5	3-Jul-1991
91.03499	%	0.0	23.56	68.16	95.88	37.7	79.68	3-Jul-1991
91.03500	%	64.53	88.67	66.92	74.5	88.5	76.36	3-Jul-1991
91.03501	%	40.67	75.63	65.82	80.22	57.39	91.92	3-Jul-1991
91.03502	%	16.26	49.66	55.22	69.42	43.03	84.04	3-Jul-1991
91.03503	%	5.09	22.98	43.36	66.26	33.91	85.66	3-Jul-1991
91.03504	%	6.83	28.1	54.14	79.48	35.3	82.12	3-Jul-1991
91.03505	%	4.37	16.05	62.76	104.12	28.36	84.58	3-Jul-1991
91.03506	%	2.8	14.46	31.84	93.14	32.65	90.76	3-Jul-1991
91.03507	%	5.09	25.48	58.18	124.7	30.1	93.7	3-Jul-1991
91.03508	%	5.52	27.09	60.72	136.64	31.37	98.46	3-Jul-1991
91.03512	%	63.51	66.76	65.54	72.08	92.74	67.98	3-Jul-1991
91.03513	%	37.99	75.49	30.2	68.06	84.87	80.5	3-Jul-1991

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: 10729

Analyst	Reviewer	Section Leader	QA Officer
7-3-91	7-3-91	7/8/91	7/8/91
Date	Date	Date	Date

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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ENCLOSURE 5

RISK ASSESSMENT CALCULATION RESULTS AND METHODOLOGY

Explanation for Risk Calculation Tables

Clean closure verification of the TSL-85 surface impoundment and its associated structures was performed through five investigative phases. First, contaminated soil at and near the surface was excavated to a depth of two feet, and 24 soil samples were taken and chemically analyzed from the two-foot surface level. Second, three coreholes were drilled to a depth of approximately 49 feet, and five to ten soil samples from each corehole were taken at selected depth intervals (creating a total of 23 corehole samples) for chemical analysis. Two additional coreholes were drilled within the surface impoundment boundaries to a depth of 45 feet. Samples were collected at five-foot intervals (creating a total of 20 additional corehole samples), and analyzed for volatile and semivolatile organic constituents, and total petroleum hydrocarbons. These three sets of samples were grouped together for the purposes of risk analysis and are referred to as corehole/final soil verification samples. Third, a total of 12 soil samples were taken from underneath the underground storage tank and line for chemical analysis. These samples were referred to as UST/lines verification samples. Fourth, 11 soil samples were taken along the spill path route from the TSL-85 surface impoundment into Mortandad Canyon. These samples are referred to as canyon verification samples.

Action levels in soil are presented in three separate risk calculation tables using analytical results from soil sampled from the TSL-85 surface impoundment site (soil removal/corehole verification samples), beneath the underground storage tank and lines (UST/lines verification samples), and along the spill path route from the TSL-85 surface impoundment into Mortandad Canyon (canyon verification samples). Each set of samples was chemically analyzed for volatile organic and semivolatile organic constituents, PCBs, and metals. Unless otherwise indicated, the highest concentration of each 40 CFR Part 261 Appendix VIII constituent identified above the level of quantitation was used in the risk analysis to provide the most conservative risk assessment results.

*Calculation for Action Levels in Soil = **(RFD x W x R)/(CSF x I x AF)**

Where:

For calculating an action level for a carcinogen, an adult soil ingestion scenario is used based on the Superfund Public Health Evaluation Manual (10/86) (SPHEM), discussions with NMED, and 55 FR 30815-20 and 30865-73, July 27, 1990. Hereinafter, these three sources will be referred to as regulatory guidance. For calculating an action level for a systemic toxicant (non-carcinogen), a child soil ingestion scenario is used based on regulatory guidance.

Class = EPA category based on the weight of evidence that a constituent is a potential carcinogen.

A human carcinogen (sufficient evidence)

B1 probable human carcinogen (limited evidence in humans)

B2 probable human carcinogen (sufficient evidence in animals, limited evidence in humans)

C possible human carcinogen (limited evidence in animals)
D systemic toxicant (not classified as a carcinogen due to inadequate evidence)

ND no data given for class, CSF, or RFD.

[Explanations were based on regulatory guidance. Reference for classifications is EPA's Integrated Risk Information System (IRIS) data base (4/91 edition)].

CSF = carcinogenic slope factor for a carcinogen [1/(mg/kg-day)]; when calculating the action level for a systemic toxicant, the CSF is not applicable, and therefore, is set to 1 (1.00E+00) as a default.

RFD = reference dose for a systemic toxicant (mg/kg-day); when calculating the action level for a carcinogen, the RFD is not applicable, and therefore, is set to 1 (1.00E+00) as a default.

Reference for CSF and RFD data is EPA's IRIS data base (4/91 edition).

W = assumed weight (kg); NMED recommends assuming 10 kg for a child's body weight and 55 FR 30815-20 recommends assuming 70 kg for an adult's body weight.

R = assumed risk level for calculating the action level for a carcinogen (dimensionless); 55 FR 30815-20 recommends using a 1.0E-06 risk for a Class A or B carcinogen, and a 1.0E-05 risk for a Class C carcinogen; when calculating the action level for a systemic toxicant, R is not applicable, and therefore, is set to 1 (1.00E+00) as a default.

Some constituents are classified as carcinogens, but have risk data developed only for systemic toxicant risk calculations. In these situations, the constituents were designated as "carcinogenic class/systemic toxicant class" (i.e., "C/D" for butylbenzyl phthalate). For calculating risk based action levels, the constituents were treated as systemic toxicants.

Some constituents have risk data developed both for carcinogenic and systemic toxicant effects. In this case, both calculations were performed and the data that yielded the most conservative (lowest) action level was retained. In all cases, the carcinogenic action level was the most conservative.

LT = assumed lifetime (years); 55 FR 30815-20 recommends a 70 year average lifetime be assumed for an adult. LT is not applicable for a child soil ingestion scenario because the limited exposure duration for a child (1-6 years) cannot be averaged over an assumed 70 year lifetime to obtain the long term exposure effects associated with carcinogens. For this reason, it is not appropriate to use a child soil ingestion scenario when calculating carcinogenic action levels. When calculating the action level for a systemic toxicant, LT is not applicable, and therefore, is set to 1 (1.00E+00) as a default.

ED = assumed exposure duration (years); 55 FR 30815-20 recommends a 70 year exposure duration be assumed for an adult. When calculating an action level for a systemic toxicant, ED is not applicable, and therefore, is set to 1 as a default.

I = assumed intake (kg/day); 55 FR 30815-20 recommends that 1.0E-04 kg/day be assumed for an adult soil ingestion scenario and 2.0E-04 kg/day be assumed for a child soil ingestion scenario.

AF = assumed absorption factor (dimensionless); AF=1 (or 100%) based on 55 FR 30815-20.

TSL-85 = constituent levels found in analyses of soil from TSL-85. A "<" sign if front of these numbers indicates that the actual constituent concentration in soil from TSL-85 is less than the limit of quantitation.

The TSL-85 field is shaded to indicate that the analytical result is greater than an action level and a background soil level.

Footnotes/Bkgd category refers to footnotes and background soil metal levels (specific footnotes are explained separately for each risk analysis).

SOIL REMOVAL/COREHOLE VERIFICATION SAMPLES

Appendix VIII Constituent	Class	ORAL CSF	ORAL RFD	Risk	Weight	LT	Intake	AF	ED	Action Level*		TSL-85	Footnotes/
	(units)	1/(mg/kg-day)	(mg/kg-day)		(kg)	(yrs)	(kg/day)		(yrs)	(mg/kg)		(mg/kg)	Bkgd
VOAs													(mg/kg)
													1
Carbon disulfide	D	1.00E+00	1.00E-01	1.00E+00	10	1	2.00E-04	1	1	5.00E+03		6.00E-02	8E+3
Chloroform	B2	6.10E-03	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.15E+02		2.90E-02	1E+2
Methylene Chloride	B2	7.53E-03	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	9.30E+01		2.90E-02	9E+1
Methyl ethyl ketone	D	1.00E+00	5.00E-02	1.00E+00	10	1	2.00E-04	1	1	2.50E+03		8.10E-02	4E+3
1,1,1,2-Tetrachloroethane	C	2.60E-02	1.00E+00	1.00E-05	70	70	1.00E-04	1	70	2.69E+02		7.80E-02	3E+2
1,1,1-Trichloroethane	D	1.00E+00	9.00E-02	1.00E+00	10	1	2.00E-04	1	1	4.50E+03		1.90E-02	7E+3
Trichloroethene	ND											1.60E-01	6E+1
Semi-VOAs													2,3
Aniline	B2	5.70E-03	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.23E+02	<	1.30E+00	1E+2
Benzidine	A	2.30E+02	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	3.04E-03	<	1.30E+00	3E-3
Benzo(a)anthracene	B2-ND										<	1.30E+00	
Benzo(b)fluoranthene	B2-ND										<	1.30E+00	
Benzo(a)pyrene	B2-ND										<	1.30E+00	
Bis (2-ethylhexyl) phthalate	B2	1.40E-02	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	5.00E+01	<	1.30E+00	5E+1
4-Bromophenyl phenyl ether	D-ND										<	1.30E+00	
Butylbenzyl phthalate	C/D	1.00E+00	2.00E-01	1.00E+00	10	1	2.00E-04	1	1	1.00E+04	<	1.30E+00	2E+4
4-Chloroaniline	D	1.00E+00	4.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.00E+02	<	1.30E+00	
2-Chloronaphthalene	D	1.00E+00	8.00E-02	1.00E+00	10	1	2.00E-04	1	1	4.00E+03	<	1.30E+00	
o-Chlorophenol	D	1.00E+00	5.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.50E+02	<	1.30E+00	4E+2
Chrysene	B2-ND										<	1.30E+00	
p-Cresol	C	1.00E+00	5.00E-02	1.00E+00	10	1	2.00E-04	1	1	2.50E+03	<	1.30E+00	4E+3
Dibenzo(a,h)anthracene	B2-ND										<	1.30E+00	
o-Dichlorobenzene	D	1.00E+00	9.00E-02	1.00E+00	10	1	2.00E-04	1	1	4.50E+03	<	1.30E+00	
m-Dichlorobenzene	D-ND										<	1.30E+00	
p-Dichlorobenzene	ND										<	1.30E+00	
3,3'-Dichlorobenzidine	B2	4.50E-01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.56E+00	<	1.30E+00	2E-0
2,4-Dichlorophenol	D	1.00E+00	3.00E-03	1.00E+00	10	1	2.00E-04	1	1	1.50E+02	<	1.30E+00	2E+2
Diethyl phthalate	D	1.00E+00	8.00E-01	1.00E+00	10	1	2.00E-04	1	1	4.00E+04	<	1.30E+00	6E+4
Dimethyl phthalate	D-ND										<	1.30E+00	
2,4-Dimethylphenol	D	1.00E+00	2.00E-02	1.00E+00	10	1	2.00E-04	1	1	1.00E+03	<	1.30E+00	
Di-n-butylphthalate	D	1.00E+00	1.00E-01	1.00E+00	10	1	2.00E-04	1	1	5.00E+03	<	1.30E+00	8E+3
Di-n-octylphthalate	ND										<	1.30E+00	
2,4-Dinitrophenol	D	1.00E+00	2.00E-03	1.00E+00	10	1	2.00E-04	1	1	1.00E+02	<	1.30E+00	2E+2
2,4-Dinitrotoluene and													1E-0
2,6-Dinitrotoluene (mixture)	B2	6.80E-01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.03E+00	<	2.60E+00	4
Fluoranthene	D	1.00E+00	4.00E-02	1.00E+00	10	1	2.00E-04	1	1	2.00E+03	<	1.30E+00	

SOIL REMOVAL/COREHOLE VERIFICATION SAMPLES

Hexachlorobenzene	B2	1.60E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	4.38E-01	<	1.30E+00		
Hexachlorobutadiene	C	7.80E-02	1.00E+00	1.00E-05	70	70	1.00E-04	1	70	8.97E+01	<	1.30E+00	9E+1	
Hexachlorocyclopentadiene	D	1.00E+00	7.00E-03	1.00E+00	10	1	2.00E-04	1	1	3.50E+02	<	1.30E+00	6E+2	
Hexachloroethane	C	1.40E-02	1.00E+00	1.00E-05	70	70	1.00E-04	1	70	5.00E+02	<	1.30E+00	8E+1	
Indeno(1,2,3-cd)pyrene	B2-ND										<	1.30E+00		
Naphthalene	D-ND										<	1.30E+00		
4-Nitroaniline	ND										<	1.30E+00		
Nitrobenzene	D	1.00E+00	5.00E-04	1.00E+00	10	1	2.00E-04	1	1	2.50E+01	<	1.30E+00		
4-Nitrophenol	ND										<	1.30E+00		
n-Nitrosodimethylamine	B2	5.10E+01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.37E-02	<	1.30E+00		
n-Nitrosodi-n-propylamine	B2	7.00E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.00E-01	<	1.30E+00		
n-Nitrosodiphenylamine	B2	4.90E-03	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.43E+02	<	1.30E+00	1E+2	
Pentachlorophenol	B2	1.21E-01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	5.79E+00	<	1.30E+00	2E+3	
Phenol	D	1.00E+00	6.00E-01	1.00E+00	10	1	2.00E-04	1	1	3.00E+04	<	1.30E+00	5E+4	
1,2,4-Trichlorobenzene	D-ND										<	1.30E+00	2E+3	
2,4,5-Trichlorophenol	D	1.00E+00	1.00E-01	1.00E+00	10	1	2.00E-04	1	1	5.00E+03	<	1.30E+00	8E+3	
2,4,6-Trichlorophenol	B2	1.10E-02	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	6.36E+01	<	1.30E+00	4E+1	
													5	
PCBS (Mixed Aroclors)	B2	7.70E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	9.09E-02		3.00E-01	1.00E+01	9E-2
METALS													6,7	
										TOTAL		EPTOX	TOTAL	
Arsenic	A-ND											3.80E-02	3.90E+00	8E+1
Barium	D	1.00E+00	7.00E-02	1.00E+00	10	1	2.00E-04	1	1	3.50E+03		5.70E-01	4.10E+02	4E+3
Cadmium	B1/D	1.00E+00	5.00E-04	1.00E+00	10	1	2.00E-04	1	1	2.50E+01	<	1.00E-01	1.70E-01	4E+1
Chromium	A/D	1.00E+00	5.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.50E+02	<	2.00E-01	2.70E+01	4E+2
Lead	B2-ND											1.50E-01	2.40E+01	5E+2
Mercury	D-ND											3.20E-04	1.80E-02	2E+1
Selenium	D-ND	1.00E+00	5.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.50E+02		3.40E-02		
Silver	D	1.00E+00	3.00E-03	1.00E+00	10	1	2.00E-04	1	1	1.50E+02		2.60E-01	2E+2	

COREHOLE/FINAL SOIL VERIFICATION SAMPLE FOOTNOTES

40 CFR Part 261 Appendix VIII constituent concentrations used for this risk analysis were taken from results of chemical analyses performed on TSL-85 soil samples taken from a two-foot depth surface after excavation, and from three coreholes drilled to approximately 49 feet.

1. Volatile organic compounds were identified using SW 846 purge-and-trap (P/T) GC/MS method 8260. See Enclosure 4 for analytical results.

2. Semivolatile organic compounds were identified using SW 846 extraction and GC/MS method 8270. Phase 5 semivolatile analytical results were utilized in the risk analysis, because all of the soil samples taken at the two-foot depth (Phase 1) and some of the samples from the first set of coreholes (Phase 2) were analyzed outside of the EPA-allowable 40-day holding time, and because the Phase 5 samples were able to be analyzed with a lower semivolatile analytical LOQ than the Phase 1 and 2 samples. For these reasons, they are considered to more accurately reflect the constituent present in the samples. See Enclosure 4 for analytical results.

3. Limits of quantitation (LOQ) for the semivolatile organic compound analyses ranged from 0.330 mg/kg to 1.300 mg/kg. High levels of total petroleum hydrocarbons (waste oil) interfered with the analyses and resulted in the elevated LOQs. The heightened LOQs do <u>not</u> imply that the concentration of the analytes of interest were also elevated, just that the interference prevented the establishment of a lower LOQ. The actual concentration of the analytes of interest can be inferred only to be less than the 1.300 mg/kg LOQ, and may be as low as 0.000 mg/kg, unless a specific concentration above the LOQ has been detected. However, to employ the most conservative scenario in the risk assessment, the 1.300 mg/kg LOQ will be used in comparing action levels.

4. Because the IRIS data base provides a CSF for the mixture of both 2,4-dinitrotoluene and 2,6-dinitrotoluene compounds, the action level was calculated (1.03 mg/kg) and compared to the sum total of both compounds using the 1.300 mg/kg LOQ (1.300 mg/kg + 1.300 mg/kg = 2.600 mg/kg).

5. NMED clean closure requires a cleanup level of 10 mg/kg PCBs (Sides, M., 1991).

6. EPTOX metal analyses were performed on the corehole/final soil verification samples taken from the TSL-85 site. These analytical results are compared to action levels derived for total metals and background total metal concentrations. Units are in mg/kg equivalents. Actual analytical results may have been reported as mg/kg, ug/kg, ug/g (for solids), and ug/l and mg/l (for leachate).

7. Reference for background concentrations of metals is Ferenbaugh, et.al.(1990) (Enclosure 6).

UST/LINES VERIFICATION SAMPLES

Appendix VIII Constituent	Class	ORAL CSF	ORAL RFD	Risk	Weight	LT	Intake	AF	ED	Action Level*		TSL-85	Footnotes/
	(units)	1/(mg/kg-day)	(mg/kg-day)		(kg)	(yrs)	(kg/day)		(yrs)	(mg/kg)		(mg/kg)	Bkgd
VOAs													(mg/kg)
Methylene Chloride	B2	7.53E-03	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	9.30E+01		2.00E-02	1
Semi-VOAs													
													2,3
Aniline	B2	5.70E-03	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.23E+02	<	1.39E+00	
Benzidine	A	2.30E+02	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	3.04E-03	<	1.39E+00	
Benzo(a)anthracene	B2-ND										<	1.39E+00	
Benzo(b)fluoranthene	B2-ND										<	1.39E+00	
Benzo(a)pyrene	B2-ND										<	1.39E+00	
Bis (2-ethylhexyl) phthalate	B2	1.40E-02	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	5.00E+01	<	1.39E+00	
4-Bromophenyl phenyl ether	D-ND										<	1.39E+00	
Butylbenzyl phthalate	C/D	1.00E+00	2.00E-01	1.00E+00	10	1	2.00E-04	1	1	1.00E+04	<	1.39E+00	
4-Chloroaniline	D	1.00E+00	4.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.00E+02	<	1.39E+00	
2-Chloronaphthalene	D	1.00E+00	8.00E-02	1.00E+00	10	1	2.00E-04	1	1	4.00E+03	<	1.39E+00	
o-Chlorophenol	D	1.00E+00	5.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.50E+02	<	1.39E+00	
Chrysene	B2-ND										<	1.39E+00	
p-Cresol	C	1.00E+00	5.00E-02	1.00E+00	10	1	2.00E-04	1	1	2.50E+03	<	1.39E+00	
Dibenzo(a,h)anthracene	B2-ND										<	1.39E+00	
o-Dichlorobenzene	D	1.00E+00	9.00E-02	1.00E+00	10	1	2.00E-04	1	1	4.50E+03	<	1.39E+00	
m-Dichlorobenzene	D-ND										<	1.39E+00	
p-Dichlorobenzene	ND										<	1.39E+00	
3,3'-Dichlorobenzidine	B2	4.50E-01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.56E+00	<	1.39E+00	
2,4-Dichlorophenol	D	1.00E+00	3.00E-03	1.00E+00	10	1	2.00E-04	1	1	1.50E+02	<	1.39E+00	
Diethyl phthalate	D	1.00E+00	8.00E-01	1.00E+00	10	1	2.00E-04	1	1	4.00E+04	<	1.39E+00	
Dimethyl phthalate	D-ND										<	1.39E+00	
2,4-Dimethylphenol	D	1.00E+00	2.00E-02	1.00E+00	10	1	2.00E-04	1	1	1.00E+03	<	1.39E+00	
Di-n-butylphthalate	D	1.00E+00	1.00E-01	1.00E+00	10	1	2.00E-04	1	1	5.00E+03	<	1.39E+00	
Di-n-octylphthalate	ND										<	1.39E+00	
2,4-Dinitrophenol	D	1.00E+00	2.00E-03	1.00E+00	10	1	2.00E-04	1	1	1.00E+02	<	1.39E+00	
2,4-Dinitrotoluene and													
2,6-Dinitrotoluene (mixture)	B2	6.80E-01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.03E+00	<	2.77E+00	4
Fluoranthene	D	1.00E+00	4.00E-02	1.00E+00	10	1	2.00E-04	1	1	2.00E+03	<	1.39E+00	
Hexachlorobenzene	B2	1.60E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	4.38E-01	<	1.39E+00	
Hexachlorobutadiene	C	7.80E-02	1.00E+00	1.00E-05	70	70	1.00E-04	1	70	8.97E+01	<	1.39E+00	
Hexachlorocyclopentadiene	D	1.00E+00	7.00E-03	1.00E+00	10	1	2.00E-04	1	1	3.50E+02	<	1.39E+00	
Hexachloroethane	C	1.40E-02	1.00E+00	1.00E-05	70	70	1.00E-04	1	70	5.00E+02	<	1.39E+00	
Indeno(1,2,3-cd)pyrene	B2-ND										<	1.39E+00	
Naphthalene	D-ND										<	1.39E+00	
4-Nitroaniline	ND										<	1.39E+00	
Nitrobenzene	D	1.00E+00	5.00E-04	1.00E+00	10	1	2.00E-04	1	1	2.50E+01	<	1.39E+00	

UST/LINES VERIFICATION SAMPLES

4-Nitrophenol	ND										<	1.39E+00	
n-Nitrosodimethylamine	B2	5.10E+01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.37E-02	<	1.39E+00	
n-Nitrosodi-n-propylamine	B2	7.00E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.00E-01	<	1.39E+00	
n-Nitrosodiphenylamine	B2	4.90E-03	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.43E+02	<	1.39E+00	
Pentachlorophenol	B2	1.21E-01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	5.79E+00	<	1.39E+00	
Phenol	D	1.00E+00	6.00E-01	1.00E+00	10	1	2.00E-04	1	1	3.00E+04	<	1.39E+00	
1,2,4-Trichlorobenzene	D-ND										<	1.39E+00	
2,4,5-Trichlorophenol	D	1.00E+00	1.00E-01	1.00E+00	10	1	2.00E-04	1	1	5.00E+03	<	1.39E+00	
2,4,6-Trichlorophenol	B2	1.10E-02	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	6.36E+01	<	1.39E+00	
													5
PCBS (Mixed Aroclors)	B2	7.70E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	9.09E-02		1.10E+00	1.00E+01
METALS													6,7
										TOTAL		TOTAL	TOTAL
Antimony	D	1.00E+00	4.00E-04	1.00E+00	10	1	2.00E-04	1	1	2.00E+01		3.50E+01	
Arsenic	A-ND										<	2.50E+00	3.90E+00
Barium	D	1.00E+00	7.00E-02	1.00E+00	10	1	2.00E-04	1	1	3.50E+03		1.60E+02	4.10E+02
Beryllium	B2	4.30E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.63E-01		6.00E-01	1.90E+00
Cadmium	B1/D	1.00E+00	5.00E-04	1.00E+00	10	1	2.00E-04	1	1	2.50E+01		4.00E+00	1.70E-01
Chromium	A/D	1.00E+00	5.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.50E+02		1.40E+01	2.70E+01
Lead	B2-ND										<	1.50E+01	2.40E+01
Mercury	D-ND											4.90E-02	1.80E-02
Nickel	D	1.00E+00	2.00E-02	1.00E+00	10	1	2.00E-04	1	1	1.00E+03	<	1.20E+01	8.90E+00
Selenium	D	1.00E+00	5.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.50E+02		1.00E-01	
Silver	D	1.00E+00	3.00E-03	1.00E+00	10	1	2.00E-04	1	1	1.50E+02	<	1.50E+00	
Thallium	ND											4.00E+01	

UST/LINES VERIFICATION SAMPLE FOOTNOTES

40 CFR Part 261 Appendix VIII constituent concentrations used for this risk analysis were taken from results of chemical analyses performed on twelve soil samples taken from underneath the underground storage tank and lines connecting it to the TSL-85 surface impoundment.

1. Volatile organic compounds were identified using SW 846 purge-and-trap (P/T) GC/MS method 8260. See Enclosure 4 for analytical results.

2. Semivolatile organic compounds were identified using SW 846 extraction and GC/MS method 8270. The UST/lines verification samples were analyzed outside of the EPA-allowable 40-day holding time. For this reason, semivolatile organic analytical results are not considered valid. However, the most elevated limit of quantitation (LOQ) is presented in this risk analysis to provide a "worst case" (most conservative) scenario. See Enclosure 4 for analytical results.

3. The LOQs for the semivolatile organic compound analyses ranged from 0.330 mg/kg to 1.386 mg/kg. Elevated levels of total petroleum hydrocarbons (waste oil) interfered with the analyses and resulted in the elevated LOQs. The heightened LOQs do <u>not</u> imply that the concentration of the analytes of interest were also elevated, just that the interference prevented the establishment of a lower LOQ. The actual concentration of the analytes of interest can be inferred only to be less than the 1.386 mg/kg LOQ, and may be as low as 0.000 mg/kg, unless a specific concentration above the LOQ has been detected. However, to employ the most conservative scenario in the risk assessment, the 1.386 mg/kg LOQ will be used in comparing action levels.

4. Because the IRIS data base provides a CSF for the mixture of both 2,4-dinitrotoluene and 2,6-dinitrotoluene compounds, the action level was calculated (1.03 mg/kg) and compared to the sum total of both compounds using the 1.386 mg/kg LOQ (1.386 mg/kg + 1.386 mg/kg = 2.772 mg/kg).

5. NMED clean closure requires a cleanup level of 10 mg/kg PCBs (Sides, 1991).

6. Total metal analyses were performed on the UST/lines verification samples. These analytical results are compared to action levels derived for total metals and background total metal concentrations. Units are in mg/kg equivalents. Actual

analytical results may have been reported as mg/kg, ug/kg, ug/g (for solids), and ug/l and mg/l (for leachate).

7. Reference for background concentrations of metals is Ferenbaugh, et.al.(1990) (Enclosure 6).

CANYON VERIFICATION SAMPLES

Appendix VIII Constituent	Class	ORAL CSF	ORAL RFD	Risk	Weight	LT	Intake	AF	ED	Action Level*		TSL-85	Footnotes/
	(units)	1/(mg/kg-day)	(mg/kg-day)		(kg)	(yrs)	(kg/day)		(yrs)	(mg/kg)		(mg/kg)	Bkgd
													(mg/kg)
VOAs													
Carbon disulfide	D	1.00E+00	1.00E-01	1.00E+00	10	1	2.00E-04	1	1	5.00E+03		1.26E-01	1
Semi-VOAs													2,3
Aniline	B2	5.70E-03	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.23E+02	<	1.65E+00	
Benzidine	A	2.30E+02	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	3.04E-03	<	1.65E+00	
Benzo(a)anthracene	B2-ND										<	1.65E+00	
Benzo(b)fluoranthene	B2-ND										<	1.65E+00	
Benzo(a)pyrene	B2-ND										<	1.65E+00	
Bis (2-ethylhexyl) phthalate	B2	1.40E-02	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	5.00E+01	<	1.65E+00	
4-Bromophenyl phenyl ether	D-ND										<	1.65E+00	
Butylbenzyl phthalate	C/D	1.00E+00	2.00E-01	1.00E+00	10	1	2.00E-04	1	1	1.00E+04	<	1.65E+00	
4-Chloroaniline	D	1.00E+00	4.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.00E+02	<	1.65E+00	
2-Chloronaphthalene	D	1.00E+00	8.00E-02	1.00E+00	10	1	2.00E-04	1	1	4.00E+03	<	1.65E+00	
o-Chlorophenol	D	1.00E+00	5.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.50E+02	<	1.65E+00	
Chrysene	B2-ND										<	1.65E+00	
p-Cresol	C	1.00E+00	5.00E-02	1.00E+00	10	1	2.00E-04	1	1	2.50E+03	<	1.65E+00	
Dibenzo(a,h)anthracene	B2-ND										<	1.65E+00	
o-Dichlorobenzene	D	1.00E+00	9.00E-02	1.00E+00	10	1	2.00E-04	1	1	4.50E+03	<	1.65E+00	
m-Dichlorobenzene	D-ND										<	1.65E+00	
p-Dichlorobenzene	ND										<	1.65E+00	
3,3'-Dichlorobenzidine	B2	4.50E-01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.56E+00	<	1.65E+00	
2,4-Dichlorophenol	D	1.00E+00	3.00E-03	1.00E+00	10	1	2.00E-04	1	1	1.50E+02	<	1.65E+00	
Diethyl phthalate	D	1.00E+00	8.00E-01	1.00E+00	10	1	2.00E-04	1	1	4.00E+04	<	1.65E+00	
Dimethyl phthalate	D-ND										<	1.65E+00	
2,4-Dimethylphenol	D	1.00E+00	2.00E-02	1.00E+00	10	1	2.00E-04	1	1	1.00E+03	<	1.65E+00	
Di-n-butylphthalate	D	1.00E+00	1.00E-01	1.00E+00	10	1	2.00E-04	1	1	5.00E+03	<	1.65E+00	
Di-n-octylphthalate	ND										<	1.65E+00	
2,4-Dinitrophenol	D	1.00E+00	2.00E-03	1.00E+00	10	1	2.00E-04	1	1	1.00E+02	<	1.65E+00	
2,4-Dinitrotoluene and													
2,6-Dinitrotoluene (mixture)	B2	6.80E-01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.03E+00	<	3.30E+00	4
Fluoranthene	D	1.00E+00	4.00E-02	1.00E+00	10	1	2.00E-04	1	1	2.00E+03	<	1.65E+00	
Hexachlorobenzene	B2	1.60E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	4.38E-01	<	1.65E+00	
Hexachlorobutadiene	C	7.80E-02	1.00E+00	1.00E-05	70	70	1.00E-04	1	70	8.97E+01	<	1.65E+00	
Hexachlorocyclopentadiene	D	1.00E+00	7.00E-03	1.00E+00	10	1	2.00E-04	1	1	3.50E+02	<	1.65E+00	
Hexachloroethane	C	1.40E-02	1.00E+00	1.00E-05	70	70	1.00E-04	1	70	5.00E+02	<	1.65E+00	
Indeno(1,2,3-cd)pyrene	B2-ND										<	1.65E+00	
Naphthalene	D-ND										<	1.65E+00	
4-Nitroaniline	ND										<	1.65E+00	

CANYON VERIFICATION SAMPLES

Nitrobenzene	D	1.00E+00	5.00E-04	1.00E+00	10	1	2.00E-04	1	1	2.50E+01	<	1.65E+00	
4-Nitrophenol	ND										<	1.65E+00	
n-Nitrosodimethylamine	B2	5.10E+01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.37E-02	<	1.65E+00	
n-Nitrosodi-n-propylamine	B2	7.00E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.00E-01	<	1.65E+00	
n-Nitrosodiphenylamine	B2	4.90E-03	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	1.43E+02	<	1.65E+00	
Pentachlorophenol	B2	1.21E-01	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	5.79E+00	<	1.65E+00	
Phenol	D	1.00E+00	6.00E-01	1.00E+00	10	1	2.00E-04	1	1	3.00E+04	<	1.65E+00	
1,2,4-Trichlorobenzene	D-ND										<	1.65E+00	
2,4,5-Trichlorophenol	D	1.00E+00	1.00E-01	1.00E+00	10	1	2.00E-04	1	1	5.00E+03	<	1.65E+00	
2,4,6-Trichlorophenol	B2	1.10E-02	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	6.36E+01	<	1.65E+00	
													5
PCBS (Mixed Aroclors)	B2	7.70E+00	1.00E+00	1.00E-06	70	70	1.00E-04	1	70	9.09E-02		1.70E-01	1.00E+01
METALS													6,7
										TOTAL		EPTOX	TOTAL
Arsenic	A-ND											2.00E-03	3.90E+00
Barium	D	1.00E+00	7.00E-02	1.00E+00	10	1	2.00E-04	1	1	3.50E+03		3.00E-01	4.10E+02
Cadmium	B1/D	1.00E+00	5.00E-04	1.00E+00	10	1	2.00E-04	1	1	2.50E+01	<	1.00E-02	1.70E-01
Chromium	A/D	1.00E+00	5.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.50E+02		7.90E-02	2.70E+01
Lead	B2-ND											5.00E-04	2.40E+01
Mercury	D-ND											5.10E-04	1.80E-02
Selenium	D-ND	1.00E+00	5.00E-03	1.00E+00	10	1	2.00E-04	1	1	2.50E+02	<	1.00E-03	
Silver	D	1.00E+00	3.00E-03	1.00E+00	10	1	2.00E-04	1	1	1.50E+02		7.00E-03	

CANYON VERIFICATION SAMPLE FOOTNOTES

40 CFR Part 261 Appendix VIII constituent concentrations used for this risk analysis were taken from results of chemical analyses performed on eleven soil samples taken from the spill path route from the TSL-85 surface impoundment into Mortandad Canyon.

1. Volatile organic compounds were identified using SW 846 purge-and-trap (P/T) GC/MS method 8260. See Enclosure 4 for analytical results.

2. Semivolatile organic compounds were identified using SW 846 extraction and GC/MS method 8270. The canyon verification samples were analyzed outside of the EPA-allowable 40-day holding time. For this reason, semivolatile organic analytical results are not considered valid. However, the most elevated limit of quantitation (LOQ) is presented in this risk analysis to provide a "worst case" (most conservative) scenario. See Enclosure 4 for analytical results.

3. The LOQs for the semivolatile organic compound analyses ranged from 0.330 mg/kg to 1.650 mg/kg. Elevated levels of total petroleum hydrocarbons (waste oil) interfered with the analyses and resulted in the elevated LOQs. The heightened LOQs do <u>not</u> imply that the concentration of the analytes of interest were also elevated, just that the interference prevented the establishment of a lower LOQ. The actual concentration of the analytes of interest can be inferred only to be less than the 1.650 mg/kg LOQ, and may be as low as 0.000 mg/kg, unless a specific concentration above the LOQ has been detected. However, to employ the most conservative scenario in the risk assessment, the 1.650 mg/kg LOQ will be used in comparing action levels.

4. Because the IRIS data base provides a CSF for the mixture of both 2,4-dinitrotoluene and 2,6-dinitrotoluene compounds, the action level was calculated (1.03 mg/kg) and compared to the sum total of both compounds using the 1.650 mg/kg LOQ (1.650 mg/kg + 1.650 mg/kg = 3.300 mg/kg).

5. NMED requires a cleanup level of 10 mg/kg PCBs (Sides, 1991).

6. EPTOX metal analyses were performed on the canyon verification samples. These analytical results are compared to action levels derived for total metals and background total metal concentrations. Units are in mg/kg equivalents. Actual analytical results may have been reported as mg/kg, ug/kg, ug/g (for solids), and ug/l and mg/l (for leachate).

7. Reference for background concentrations of metals is Ferenbaugh, et.al.(1990) (Enclosure 6).

TOTAL PETROLEUM HYDROCARBON ANALYSES

To : Philip R. Fresquez, HSE-8, MS K-490

Thru : Chris Leibman, Section Leader, Organic Analysis

From : Stuart Nielsen

Date : 1 July 1991

Subject: Analytical Results for Request Number 11448

Samples 91.03488 through 91.03508 received under request number 11448 were soil samples. The request was for the determination of total recoverable petroleum hydrocarbons.

The determinations were carried out using EPA Method 418.1 as modified for soil extraction rather than water extraction. Light mineral oil was used as a standard. The results obtained are given in the attached tables.

These results are recorded in notebook A10098 on pages 127 through 137. If you have any questions concerning these results please contact me (76934) or Chris (56789).

Analytical Results for Request Number 11448

Sample Number		Total Recoverable Petroleum Hydrocarbons, µg/g of soil
91.03488	PF-85-1-S	314 ± 62
91.03489	PF-85-1-S(QA)	220 ± 44
91.03490	PF-85-1-5'	<MDL
91.03491	PF-85-1-10'	<MDL
91.03492	PF-85-1-15'	<MDL
91.03493	PF-85-1-20'	<MDL
91.03494	PF-85-1-25'	<MDL
91.03495	PF-85-1-30'	<MDL
91.03496	PF-85-1-35'	<MDL
91.03497	PF-85-1-40	<MDL
91.03498	PF-85-1-45	<MDL
91.03499	PF-85-2-S	97 ± 19
91.03500	PF-85-2-5'	<MDL
91.03501	PF-85-2-10'	<MDL
91.03502	PF-85-2-15'	<MDL
91.03503	PF-85-2-20'	<MDL
91.03504	PF-85-2-25'	<MDL
91.03505	PF-85-2-30'	<MDL
91.03506	PF-85-2-35'	<MDL
91.03507	PF-85-2-40'	<MDL
91.03508	PF-85-2-45'	<MDL

MDL = 2

REPORT NUMBER: 10710

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: NIELSEN on 1-Jul-1991

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Stuart Nielsen PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

~~Customer Sample Results, Sample # 91.03488~~

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
PF-85-1-S	91.03488	177	314.	62.	UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-S QA	91.03489	177	220.	44.	UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-5'	91.03490	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-10'	91.03491	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-15'	91.03492	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-20'	91.03493	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-25'	91.03494	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-30'	91.03495	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-35'	91.03496	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-40'	91.03497	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-1-45'	91.03498	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-S	91.03499	177	97.	19.	UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-5'	91.03500	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-10'	91.03501	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-15'	91.03502	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-20'	91.03503	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-25'	91.03504	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-30'	91.03505	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-35'	91.03506	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-40'	91.03507	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable
PF-85-2-45'	91.03508	177	< 2.		UG/G SOIL	7/01/91		Petroleum Hydrocarbons, Total Recoverable

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REPORT NUMBER: 10710 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: NIELSEN on 1-Jul-1991

REQUEST NUMBER: 11448 MATRIX: SS ANALYST: Stuart Nielsen PROGRAM CODE: M236

OWNER: Philip R. Fresquez GROUP: HSE-8 MAIL-STOP: K490 PHONE: 7-0815

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 HSE-9

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

Blank Results

none

Blank Spike Results

none

Blank Spike Duplicate Results

none

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 HSE-9

REPORT NUMBER: 10710

Analyst	Reviewer	Section Leader	QA Officer
7/6/91	7/5/91	7/5/91	7/5/91
Date	Date	Date	Date

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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GROSS ALPHA, BETA, AND GAMMA RADIOACTIVITY SCREEN

TA-35 SL-85

HSE-8 SOIL COUNT LABORATORY

Probe No. α	Probe No. β	Surface / Subsurface	Sample ID	Counts/5'/100" α	Counts/5'/100" β	Counts/5'/100" γ	pCi/g α	pCi/g β	pCi/g γ	Date	Requestor	Analyst
2	3	Surface	PF-85-1-Surface	40	56	986	≤25	≤25	0.72	04/29/91	PRF	RR-CL
5	4	Subsurface	PF-85-1-Sur(GA/GC)	26	455	959	↑	↑	0.67			
2	3		PF-85-1-5'	40	80	896	↓	↓	0.56			
5	4		PF-85-1-10'	37	66	925			0.61			
2	4		PF-85-1-15'	41	477	956			0.67			
2	4		PF-85-1-20'	38	498	891			0.55			
5	3		PF-85-1-25'	28	48	926			0.61			
2	3		PF-85-1-30'	27	46	954			0.66			
2	4		PF-85-1-35'	30	530	879			0.53			
2	4		PF-85-1-40'	31	498	887			0.54			
5	3		PF-85-1-45'	45	66	957			0.67			
			~~PF-85-1-50'~~									

TABLE III. Elemental Concentrations in Grass

Element[a]	Mean	Standard Deviation	No. of Samples	Maximum	Minimum
Al	650	770	39	4400	150
As (ppb)	360	210	38	960	60
B	14	7.0	29	34	7.0
Ba	73	50	15	200	13
Be (ppb)	12	10	14	42	4.0
Br	40	41	40	160	2.7
Cd	<200		15		
Cl (%)	0.19	0.12	40	0.60	0.034
Cr	5.5	3.2	40	13	1.6
Cu	6.8	3.0	16	14	3.3
F	1.1	0.60	40	3.4	0.60
Fe	260	190	40	810	60
Li (ppb)	40	190	11	750	200
Mg (%)	0.12	0.028	16	0.17	0.061
Mn	48	35	40	180	13
Ni	26	11	15	55	7.0
NO_3	420	380	37	1300	60
Pb	1.7	1.1	11	4.0	1.0
PO_4 (%)	0.19	0.083	40	0.47	0.070
Rb	5.6	3.2	37	18	2.1
SO_4	690	360	40	1500	120
Ti	46	60	15	250	12
Zn	21	11	15	52	9.4

[a]Data are reported in parts per million (ppm) unless otherwise noted.

TABLE IV. Elemental Concentrations in Juniper

Element[a]	Mean	Standard Deviation	No. of Samples	Maximum	Minimum
Al	350	180	21	960	140
As (ppb)	90	40	18	170	40
B	23	8.0	21	50	15
Ba	110	100	9	290	22
Be (ppb)	18	7.0	9	29	11
Br	21	18	21	65	3.2
Cd (ppb)	140	60	10	250	100
Cl	910	390	21	2000	350
Cr	3.5	1.4	21	5.9	1.5
Cu	5.9	2.5	9	10	3.5
F (ppb)	250	140	21	600	100
Fe	160	91	21	500	60
Li (ppb)	320	90	6	440	200
Mg (%)	0.24	0.061	9	0.36	0.17
Mn	48	10	21	62	26
Ni	5.2	3.7	9	11	1.9
NO_3	110	41	19	240	43
Pb	2.5	1.3	4	4.0	1.0
PO_4 (%)	0.23	0.096	21	0.43	0.11
Rb	3.1	1.4	19	6.9	1.1
SO_4	470	210	21	830	170
Ti	67	51	9	150	16
Zn	21	5.0	9	27	9.2

[a]Data are reported in parts per million (ppm) unless otherwise noted.

TABLE V. Elemental Concentrations in Piñon Pine

Element[a]	Mean	Standard Deviation	No. of Samples	Maximum	Minimum
Al	200	65	18	310	100
As (ppb)	150	60	17	300	80
B	22	7.0	18	46	11
Ba	24	6.0	3	28	17
Be (ppb)	16	7.0	4	24	8.0
Br	13	14	18	55	1.7
Cd (ppb)	110	60	4	200	50
Cl	570	860	18	4000	230
Cr	3.2	1.5	18	6.8	1.0
Cu	3.9	2.2	4	7.0	2.2
F (ppb)	190	160	18	700	100
Fe	87	33	18	150	40
Li	3.4	2.7	5	7.0	0.70
Mg (%)	0.19	0.064	6	0.31	0.12
Mn	200	160	18	540	58
Ni	5.5	4.4	4	12	2.2
NO_3 [b]					
Pb [b]					
PO_4 (%)	0.18	0.077	17	0.32	0.080
Rb	4.4	2.2	16	9.8	1.5
SO_4	750	380	17	1700	19
Ti	94	160	4	340	11
Zn	34	26	6	69	4.0

[a]Data are reported in parts per million (ppm) unless otherwise noted.
[b]No average was calculated (see data in the Appendix).

TABLE VI. Elemental Concentrations in Oak

Element[a]	Mean	Standard Deviation	No. of Samples	Maximum	Minimum
Al	510	220	9	860	210
As (ppb)	170	110	9	440	70
B	63	13	9	81	48
Ba	39	30	3	73	18
Be (ppb)	46	39	3	90	18
Br	6.4	4.6	9	16	2.2
Cd (ppb)	<200		3		
Cl	260	92	9	380	65
Cr	4.0	2.0	9	6.9	1.9
Cu	7.0	1.3	3	8.1	5.5
F (ppb)	260	150	9	600	100
Fe	210	68	9	350	140
Li	4.3	3.5	3	7.1	0.31
Mg (%)	0.25	0.026	3	0.28	0.23
Mn	500	180	9	870	220
Ni	4.4	0.40	3	4.8	4.0
NO_3	120	34	7	190	80
Pb	<3.0		3		
PO_4 (%)	0.17	0.076	9	0.28	0.019
Rb	17	10	3	26	5.9
SO_4	470	320	8	990	200
Ti	29	5.0	3	34	24
Zn	25	6.0	3	30	18

[a]Data are reported in parts per million (ppm) unless otherwise noted.

TABLE VII. Elemental Abundance in the Earth's Crust

Element	Concentrations (ppm)			
	Mason[a]	Vinogradov[b]	Vinogradov[c]	Wedepohl[d]
Al	81 300	104 500	71 300	78 300
As	1.8	6.6	5	1.7
Ba	425	800	500	590
Be	2.8	7	6	2
Br	2.5	6	5	2.9
Cd	0.2	0.3	0.5	0.1
Cl	130	160	100	320
Cr	100	160	200	70
Cu	55	57	20	30
F	625	500	200	720
Fe	50 000	33 300	38 000	35 400
Hg	0.08	0.4	0.01	0.03
Li	20	60	30	30
Mg	20 900	13 400	6 300	13 900
Mn	950	670	850	690
Ni	75	95	40	44
Pb	13	20	10	15
Rb	90	400	100	120
Ti	4 400	4 500	4 600	4 700
Zn	70	80	50	60
Ag	0.07	0.9	0.1	0.06
Au	0.004	—	—	0.004
Ca	36 300	25 300	13 700	28 700
Ce	60	30	50	75
Co	25	23	8	12
Cs	3	12	5	2.7
Dy	3	4	—	6.1
Eu	1.2	1	—	1.4
Ga	15	40	30	17
Gd	5.4	5	—	8
Ge	1.5	7	1	1.3
Hf	3	4	6	3
I	0.5	1	5	0.5
In	0.1	—	—	0.07
K	25 900	22 800	13 600	28 200
La	30	40	40	44
Lu	0.5	0.2	—	0.6
Mo	1.5	2	2	1
Na	28 300	6 600	6 300	24 500
Nb	20	20	—	20
Nd	28	18	—	>30
S	260	3 000	850	310
Sb	0.2	1	—	0.2
Sc	22	10	7	14
Se	0.05	0.6	—	0.09
Si	277 000	248 000	330 000	305 000

TABLE VII (Continued)

Element	Concentrations (ppm)			
	Mason[a]	Vinogradov[b]	Vinogradov[c]	Wedepohl[d]
Sm	6	5	—	>7
Sn	2	30	10	3
Sr	375	450	300	290
Ta	2	3.5	—	3.4
Tb	0.9	0.9	—	<1.4
Te	0.01	—	—	0.002
Th	7.2	11	6	11
U	1.8	3.2	1	3.5
V	135	130	100	95
W	1.5	—	—	1.3
Y	33	33	50	34
Yb	3.4	2.2	—	3.4
Zr	165	200	300	160

[a]Crustal concentrations (Mason 1966).
[b]Sedimentary rocks, shales, and clays (Vinogradov 1959).
[c]Soil concentrations (Vinogradov 1959).
[d]Crustal concentrations (Wedepohl 1968).

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APPENDIX

TABLE A-I. Soil: Elemental Concentrations[a]

Location	Al (%)	As (ppm)	B (ppm)	Ba (ppm)	Be (ppm)	Br (ppm)	Cd (ppb)	Cl (ppm)	Cr (ppm)	Cu (ppm)	F (ppm)	Fe (%)
1N	5.5 ± 0.5	5.8 ± 0.7	24 ± 5	680 ± 100	2.7 ± 0.2	4.0 ± 0.5	170 ± 20	<100	41 ± 4	16 ± 2	280 ± 30	2.4 ± 0.1
2N	5.8 ± 0.5	6.0 ± 0.7	27 ± 5	620 ± 90	<0.2	<0.3	150 ± 20	<100	43 ± 4	13 ± 1	260 ± 30	2.2 ± 0.1
3N	5.8 ± 0.5	3.0 ± 0.5	10 ± 5	210 ± 30	<0.2	0.87 ± 0.5	80 ± 20	<100	9.2 ± 1.1	6 ± 1	180 ± 20	1.3 ± 0.1
4N	5.9 ± 0.5	1.8 ± 0.4	10 ± 5	180 ± 30	2.6 ± 0.2	0.61 ± 0.5	290 ± 30	<100	9.0 ± 1.4	6 ± 1	50 ± 10	1.2 ± 0.1
5N	5.7 ± 0.5	3.1 ± 0.4	8 ± 5	400 ± 60	2.1 ± 0.2	1.3 ± 0.4	210 ± 20	<100	6.7 ± 1.0	15 ± 2	150 ± 10	1.2 ± 0.1
1NE	6.2 ± 0.5	4.8 ± 0.5	20 ± 5	570 ± 90	1.5 ± 0.2	5.7 ± 0.7	140 ± 20	<100	27 ± 2	13 ± 1	310 ± 30	2.0 ± 0.1
2NE	6.0 ± 0.5	6.2 ± 0.7	25 ± 5	620 ± 90	1.4 ± 0.2	3.3 ± 0.5	260 ± 20	<100	41 ± 4	18 ± 2	340 ± 30	2.1 ± 0.1
3NE	5.8 ± 0.5	1.3 ± 0.3	<5	150 ± 20	3.3 ± 0.3	0.72 ± 0.5	210 ± 20	<100	140 ± 11	6 ± 1	150 ± 10	1.1 ± 0.1
4NE	6.2 ± 0.5	1.8 ± 0.4	7 ± 5	120 ± 20	1.8 ± 0.2	1.5 ± 0.6	200 ± 20	<100	5.1 ± 1.1	5 ± 1	160 ± 20	1.1 ± 0.1
5NE	5.8 ± 0.5	2.7 ± 0.4	10 ± 5	180 ± 30	1.6 ± 0.2	0.99 ± 0.3	200 ± 20	<100	8.9 ± 1.1	6 ± 1	170 ± 20	1.2 ± 0.1
6NE	5.3 ± 0.5	3.7 ± 0.5	11 ± 5	240 ± 40	2.2 ± 0.2	1.6 ± 0.3		<100	13 ± 2	8 ± 1	190 ± 20	1.3 ± 0.1
1E	5.5 ± 0.5	5.7 ± 0.6	27 ± 5	720 ± 110	1.6 ± 0.2	2.2 ± 0.5	170 ± 20	<100	39 ± 4	15 ± 2	360 ± 40	2.1 ± 0.1
2E	6.2 ± 0.5	5.0 ± 0.6	23 ± 5	590 ± 90	<0.2	2.3 ± 0.4	80 ± 20	<100	40 ± 4	14 ± 1	210 ± 20	2.4 ± 0.1
3E	6.2 ± 0.5	4.1 ± 0.5	15 ± 5	390 ± 60	1.7 ± 0.2	1.4 ± 0.4	110 ± 20	<100	27 ± 2	9 ± 3	220 ± 20	2.1 ± 0.1
4E	5.7 ± 0.5	4.2 ± 0.6	13 ± 5	300 ± 50	2.1 ± 0.2	2.8 ± 0.6	60 ± 20	<100	15 ± 2	11 ± 1	210 ± 20	1.5 ± 0.1
5E	6.3 ± 0.5	2.8 ± 0.5	10 ± 5	260 ± 40	2.3 ± 0.2	0.57 ± 0.4	160 ± 20	<100	14 ± 2	6 ± 2	210 ± 20	1.7 ± 0.1
6E	5.9 ± 0.5	2.6 ± 0.5	9 ± 5	190 ± 30	2.0 ± 0.2	1.2 ± 0.4		<100	8.9 ± 1.2	3 ± 1	230 ± 20	1.0 ± 0.1
7E	6.2 ± 0.5	1.8 ± 0.5	10 ± 5	180 ± 30	2.6 ± 0.2	1.7 ± 0.6	100 ± 20	<100	6.8 ± 1.0	4 ± 1	300 ± 30	1.2 ± 0.1
1SE	6.0 ± 0.5	3.5 ± 0.4	14 ± 5	440 ± 70	1.8 ± 0.2	2.8 ± 0.4	160 ± 20	<100	18 ± 2	10 ± 1	240 ± 20	1.5 ± 0.1
2SE	5.4 ± 0.5	1.7 ± 0.3	9 ± 5	130 ± 20	2.1 ± 0.2	3.5 ± 0.5	140 ± 20	<100	4.4 ± 1.2	5 ± 1	190 ± 20	1.0 ± 0.1
3SE	6.0 ± 0.5	1.6 ± 0.3	7 ± 5	140 ± 20	2.2 ± 0.2	1.6 ± 0.3	260 ± 20	<100	4.3 ± 0.9	2 ± 2	270 ± 30	1.1 ± 0.1
1S	5.3 ± 0.5	4.3 ± 0.5	16 ± 5	390 ± 60	1.7 ± 0.2	3.6 ± 0.7	390 ± 30	<100	21 ± 2	14 ± 1	220 ± 20	1.7 ± 0.1
2S	5.4 ± 0.5	2.1 ± 0.4	9 ± 5	150 ± 20	1.9 ± 0.2	1.9 ± 0.6	180 ± 20	<100	4.2 ± 0.8	5 ± 1	140 ± 10	1.0 ± 0.1
3S	5.7 ± 0.5	1.7 ± 0.3	<5	350 ± 50	2.3 ± 0.2	0.70 ± 0.5	110 ± 20	<100	54 ± 4	7 ± 1	150 ± 10	2.6 ± 0.1
1SW	6.0 ± 0.5	4.5 ± 0.5	19 ± 5	590 ± 90	1.8 ± 0.2	2.9 ± 0.4	140 ± 20	<100	39 ± 4	11 ± 1	270 ± 30	2.2 ± 0.1
2SW	6.4 ± 0.5	4.9 ± 0.6	18 ± 5	380 ± 60	2.0 ± 0.2	2.7 ± 0.5		<100	26 ± 3	16 ± 2	300 ± 30	1.9 ± 0.1
3SW	6.7 ± 0.5	3.5 ± 0.4	13 ± 5	200 ± 30	2.4 ± 0.2	1.7 ± 0.5	100 ± 20	<100	16 ± 2	13 ± 1	320 ± 30	1.7 ± 0.1
1W	5.3 ± 0.5	6.7 ± 0.7	27 ± 5	810 ± 120	1.4 ± 0.2	2.8 ± 0.4	260 ± 20	<100	40 ± 4	17 ± 2	270 ± 30	2.2 ± 0.1
2W	5.9 ± 0.5	5.5 ± 0.6	24 ± 5	610 ± 90	0.9 ± 0.2	1.8 ± 0.4	190 ± 20	<100	48 ± 4	14 ± 1	320 ± 30	2.2 ± 0.1
3W	5.5 ± 0.5	4.8 ± 0.6	25 ± 5	570 ± 90	1.4 ± 0.2	0.44 ± 0.4	90 ± 20	<100	38 ± 3	11 ± 1	340 ± 30	1.9 ± 0.1
4W	6.0 ± 0.5	5.7 ± 0.6	20 ± 5	690 ± 100	1.7 ± 0.2	4.1 ± 0.6	30 ± 20	<100	42 ± 4	15 ± 2	390 ± 40	2.2 ± 0.1
5W	5.7 ± 0.5	5.7 ± 0.6	19 ± 5	700 ± 110	1.6 ± 0.2	1.0 ± 0.4	520 ± 50	<100	46 ± 4	14 ± 1	320 ± 30	2.0 ± 0.1
6W	5.5 ± 0.5	5.4 ± 0.6	25 ± 5	650 ± 100	1.8 ± 0.2	1.4 ± 0.4	130 ± 20	<100	41 ± 4	13 ± 1	160 ± 20	1.9 ± 0.1
7W	5.3 ± 0.5	5.3 ± 0.6	24 ± 5	620 ± 90	1.3 ± 0.2	3.0 ± 0.5	30 ± 20	<100	40 ± 4	12 ± 1	280 ± 30	2.0 ± 0.1
1NW	5.5 ± 0.5	5.6 ± 0.6	27 ± 5	660 ± 100	1.1 ± 0.2	2.4 ± 0.5		<100	32 ± 4	16 ± 2	310 ± 30	2.0 ± 0.1
2NW	5.4 ± 0.5	5.1 ± 0.6	26 ± 5	700 ± 110	1.4 ± 0.2	0.42 ± 0.3	150 ± 20	<100	45 ± 4	14 ± 1	250 ± 20	2.1 ± 0.1
3NW	5.7 ± 0.5	3.2 ± 0.4	9 ± 5	200 ± 30	1.5 ± 0.2	<0.3	250 ± 20	<100	7.6 ± 1.1	6 ± 1	180 ± 20	1.1 ± 0.1
4NW	5.8 ± 0.5	2.5 ± 0.4	10 ± 5	160 ± 20	2.1 ± 0.2	0.73 ± 0.5	100 ± 20	<100	8.8 ± 1.3	6 ± 1	160 ± 20	1.2 ± 0.1
5NW	6.3 ± 0.5	3.0 ± 0.4	11 ± 5	260 ± 40	2.4 ± 0.2	0.40 ± 0.4	150 ± 20	<100	11 ± 1	7 ± 1	220 ± 20	1.6 ± 0.1
6NW	6.2 ± 0.5	2.4 ± 0.4	8 ± 5	220 ± 30	2.1 ± 0.2	0.65 ± 0.5	140 ± 20	<100	8.5 ± 1.3	5 ± 1	190 ± 20	1.3 ± 0.1

TABLE A-I (Continued)

Location	Hg (ppb)	Li (ppm)	Mg (ppm)	Mn (ppm)	Ni (ppm)	NO_3 (ppm)	Pb (ppm)	PO_4 (ppm)	Rb (ppm)	SO_4 (ppm)	Ti (ppm)	Zn (ppm)
1N	22 ± 4	24 ± 2	3800 ± 380	770 ± 80	15 ± 2	6.0 ± 0.6	18 ± 2	15 ± 1	120 ± 15	10 ± 1	4200 ± 400	51 ± 3
2N	14 ± 4	23 ± 2	3400 ± 340	530 ± 50	13 ± 2	6.0 ± 0.6	33 ± 3	<0.6	120 ± 14	9.0 ± 0.9	4300 ± 450	41 ± 2
3N	18 ± 4	29 ± 3	1500 ± 150	400 ± 40	6.5 ± 1	2.0 ± 0.2	18 ± 2	<0.6	130 ± 15	4.0 ± 0.4	1200 ± 170	58 ± 3
4N		28 ± 3	850 ± 90	400 ± 40	4.7 ± 1	6.0 ± 0.6	28 ± 2	<0.6	150 ± 18	4.0 ± 0.4	1100 ± 170	52 ± 3
5N	12 ± 4	25 ± 3	2400 ± 240	350 ± 40	6.8 ± 1	10 ± 1	65 ± 6	<0.6	120 ± 13	4.0 ± 0.4	1300 ± 220	64 ± 3
1NE	22 ± 4	25 ± 3	3700 ± 370	740 ± 70	14 ± 2	23 ± 2	18 ± 2	<0.6	120 ± 14	59 ± 6	3700 ± 390	52 ± 3
2NE	27 ± 4	25 ± 3	4000 ± 400	570 ± 60	14 ± 2	<0.9	20 ± 2	2.0 ± 0.2	150 ± 18	10 ± 1	3800 ± 390	52 ± 3
3NE	14 ± 4	24 ± 2	670 ± 70	390 ± 40	3.1 ± 1	<0.9	12 ± 2	7.0 ± 0.7	120 ± 14	6.0 ± 0.6	810 ± 140	64 ± 3
4NE	10 ± 4	26 ± 3	510 ± 50	460 ± 50	2.7 ± 1	<0.9	15 ± 2	4.0 ± 0.4	130 ± 15	2.0 ± 0.2	1000 ± 180	71 ± 4
5NE	17 ± 4	26 ± 3	1200 ± 120	470 ± 50	6.8 ± 1	<0.9	32 ± 3	<0.6	120 ± 13	3.0 ± 0.3	1300 ± 140	63 ± 3
6NE	22 ± 4	26 ± 3	1600 ± 160	640 ± 60	5.2 ± 1	<0.9	30 ± 3	3.0 ± 0.3	130 ± 15	6.0 ± 0.6	1200 ± 120	71 ± 4
1E	21 ± 4	25 ± 3	3800 ± 380	630 ± 60	15 ± 2	7.0 ± 0.7	25 ± 2	8.0 ± 0.8	120 ± 17	9.0 ± 0.9	4300 ± 450	45 ± 2
2E	13 ± 4	25 ± 3	4000 ± 400	840 ± 80	19 ± 2	6.0 ± 0.6	12 ± 2	<0.6	120 ± 14	8.0 ± 0.8	4900 ± 280	50 ± 3
3E	17 ± 4	24 ± 2	2700 ± 270	430 ± 40	6.9 ± 1	11 ± 1	20 ± 2	<0.6	110 ± 12	7.0 ± 0.7	2900 ± 330	48 ± 2
4E	27 ± 4	24 ± 2	1800 ± 180	430 ± 40	6.3 ± 1	14 ± 1	25 ± 2	<0.6	90 ± 11	14 ± 1	2000 ± 240	62 ± 3
5E	11 ± 4	27 ± 3	1400 ± 140	390 ± 40	5.6 ± 1	16 ± 1	16 ± 2	<0.6	120 ± 14	5.0 ± 0.5	1700 ± 210	53 ± 3
6E	13 ± 4	26 ± 3	930 ± 90	360 ± 40	3.2 ± 1	4.0 ± 0.4	8 ± 2	<0.6	110 ± 12	3.0 ± 0.3	1100 ± 180	47 ± 2
7E	17 ± 4	29 ± 3	1100 ± 110	400 ± 40	3.8 ± 1	12 ± 1	19 ± 2	5.0 ± 0.5	130 ± 14	3.0 ± 0.3	790 ± 150	55 ± 6
1SE	15 ± 4	25 ± 3	2700 ± 270	390 ± 40	8.1 ± 1	6.0 ± 0.6	19 ± 2	3.0 ± 0.3	90 ± 10	6.0 ± 0.6	2500 ± 260	45 ± 2
2SE	13 ± 4	19 ± 2	810 ± 80	440 ± 40	3.8 ± 1	<0.9	14 ± 2	25 ± 2	120 ± 14	34 ± 3	850 ± 90	59 ± 3
3SE	7 ± 4	26 ± 3	860 ± 90	420 ± 40	12 ± 2	<0.9	8 ± 2	<0.6	110 ± 12	2.0 ± 0.2	950 ± 100	58 ± 3
1S	29 ± 4	25 ± 2	2200 ± 220	540 ± 50	8.7 ± 1	0.5 ± 0.1	28 ± 2	94 ± 9	120 ± 15	22 ± 2	2100 ± 240	62 ± 3
2S	16 ± 4	22 ± 2	760 ± 80	400 ± 40	34 ± 1	4.0 ± 0.4	19 ± 2	23 ± 2	110 ± 12	<0.6	810 ± 140	56 ± 2
3S	22 ± 4	22 ± 2	1700 ± 170	460 ± 50	13 ± 2	12 ± 1	11 ± 2	5.0 ± 0.5	100 ± 15	56 ± 6	4000 ± 920	60 ± 3
1SW	18 ± 4	24 ± 2	3400 ± 340	460 ± 50	1.6 ± 1	<0.9	19 ± 2	0.3 ± 0.1	120 ± 15	8.0 ± 0.8	4200 ± 430	49 ± 3
2SW	20 ± 4	27 ± 3	3000 ± 300	520 ± 50	7.5 ± 1	6.0 ± 0.6	20 ± 2	<0.6	120 ± 14	9.0 ± 0.9	3100 ± 340	51 ± 3
3SW	29 ± 4	28 ± 3	2800 ± 280	330 ± 30	10 ± 2	<0.9	24 ± 2	2.0 ± 0.2	110 ± 14	13 ± 1	1400 ± 190	56 ± 3
1W	17 ± 4	22 ± 2	3300 ± 330	690 ± 70	16 ± 2	8.0 ± 0.8	25 ± 2	4.0 ± 0.4	120 ± 15	10 ± 1	4200 ± 250	48 ± 2
2W	22 ± 4	25 ± 3	3600 ± 360	670 ± 70	11 ± 2	6.0 ± 0.6	24 ± 2	10 ± 1	150 ± 20	10 ± 1	3800 ± 400	46 ± 2
3W	16 ± 4	20 ± 2	3000 ± 300	540 ± 50	9.5 ± 1	22 ± 2	25 ± 2	4.0 ± 0.4	120 ± 15	10 ± 1	3600 ± 220	39 ± 2
4W	23 ± 4	26 ± 3	3900 ± 390	650 ± 60	16 ± 2	5.0 ± 0.5	25 ± 2	2.0 ± 0.2	110 ± 14	2.0 ± 0.2	3900 ± 410	45 ± 2
5W	21 ± 4	24 ± 2	3900 ± 370	600 ± 60	14 ± 2	26 ± 2	23 ± 2	<0.6	120 ± 14	12 ± 1	4200 ± 240	41 ± 2
6W	10 ± 4	21 ± 2	3300 ± 330	530 ± 50	12 ± 2	8.0 ± 0.8	25 ± 2	<0.6	100 ± 14	7.0 ± 0.7	4300 ± 460	42 ± 2
7W	18 ± 4	23 ± 2	2700 ± 270	570 ± 60	12 ± 2	6.0 ± 0.6	23 ± 2	<0.6	120 ± 14	7.0 ± 0.7	4500 ± 260	38 ± 2
1NW	31 ± 4	23 ± 2	3400 ± 340	660 ± 70	16 ± 2	2.0 ± 0.2	98 ± 9	8.0 ± 0.8	110 ± 13	12 ± 1	4300 ± 440	47 ± 2
2NW	20 ± 4	22 ± 2	3300 ± 330	640 ± 60	14 ± 2	4.0 ± 0.4	24 ± 2	<0.6	130 ± 16	9.0 ± 0.9	4400 ± 460	39 ± 2
3NW	18 ± 4	24 ± 2	1100 ± 110	330 ± 30	4.5 ± 1	2.0 ± 0.2	22 ± 2	<0.6	100 ± 12	3.0 ± 0.3	940 ± 160	48 ± 2
4NW	20 ± 4	28 ± 3	950 ± 100	360 ± 40	3.6 ± 1	2.0 ± 0.2	16 ± 2	2.0 ± 0.2	130 ± 15	4.0 ± 0.4	940 ± 150	56 ± 3
5NW	7 ± 4	39 ± 4	1200 ± 120	600 ± 60	4.8 ± 1	<0.9	22 ± 2	<0.6	160 ± 17	2.0 ± 0.2	1200 ± 160	110 ± 5
6NW	15 ± 4	23 ± 2	1100 ± 110	370 ± 40	3.7 ± 1	1.0 ± 0.1	23 ± 2	0.1 ± 0.1	110 ± 13	3.0 ± 0.3	1100 ± 170	52 ± 3

[a]Insufficient sample for analysis where no data are reported. Uncertainties represent analytical uncertainties.

TABLE A-II. Grass: Elemental Concentrations[a]

Location	Al (ppm)	As (ppm)	B (ppm)	Ba (ppm)	Be (ppb)	Br (ppm)	Cd (ppm)	Cl (ppm)	Cr (ppm)	Cu (ppm)	F (ppm)
1N	1300 ± 380	<0.08	<10			160 ± 20		2700 ± 400	5.0 ± 0.5		1.6 ± 0.2
2N	1500 ± 460	0.17 ± 0.05	22 ± 5			130 ± 10		1700 ± 260	4.3 ± 0.4		2.6 ± 0.3
3N	230 ± 70	0.06 ± 0.02	7 ± 5			16 ± 2	<0.2	1500 ± 220	3.1 ± 0.3		2.4 ± 0.2
4N	4400 ± 1300	<0.03	6 ± 5	44 ± 10	21 ± 2	31 ± 3	<0.2	2400 ± 360	4.0 ± 0.4	3.3 ± 0.3	2.2 ± 0.2
5N	320 ± 100	0.32 ± 0.06	14 ± 5	90 ± 20	11 ± 2	20 ± 2		2000 ± 300	3.7 ± 0.4	4.4 ± 0.4	1.3 ± 0.1
1NE	720 ± 220	0.57 ± 0.10	<5			110 ± 10		2400 ± 360	7.5 ± 0.8		0.8 ± 0.1
2NE	460 ± 140	0.25 ± 0.06	8 ± 5			32 ± 3		1500 ± 220	13 ± 1.3		0.9 ± 0.1
3NE	260 ± 80	0.55 ± 0.08	23 ± 5			10 ± 1		900 ± 140	9.7 ± 1.0		0.7 ± 0.1
4NE	280 ± 90	0.23 ± 0.05	<5			11 ± 1	0.07 ± 0.01	1500 ± 230	6.1 ± 0.6		0.6 ± 0.1
5NE	220 ± 70	0.51 ± 0.07	9 ± 5			10 ± 1		2600 ± 380	6.5 ± 0.7		0.6 ± 0.1
6NE	300 ± 90	0.53 ± 0.08	8 ± 5			13 ± 1		1500 ± 230	4.3 ± 0.4		0.7 ± 0.1
1E	1300 ± 380	0.17 ± 0.06	<5			51 ± 5		1400 ± 210	3.9 ± 0.4		0.9 ± 0.1
2E	310 ± 90	0.08 ± 0.05	<5			34 ± 3		960 ± 140	2.1 ± 0.2		1.5 ± 0.1
3E	2000 ± 610	0.15 ± 0.07	13 ± 5			29 ± 3	<0.2	2100 ± 310	9.6 ± 1.0		1.6 ± 0.2
4E	240 ± 70	0.50 ± 0.07	11 ± 5	50 ± 10	4 ± 2	12 ± 1		980 ± 150	2.1 ± 0.2	5.0 ± 0.5	1.1 ± 0.1
5E	290 ± 90	0.19 ± 0.07	<5			50 ± 5		2700 ± 400	2.5 ± 0.3		0.8 ± 0.1
6E	150 ± 50	0.31 ± 0.05	10 ± 5			6.2 ± 0.6	<0.2	1300 ± 190	1.6 ± 0.2		0.8 ± 0.1
7E	250 ± 80	0.61 ± 0.08	10 ± 5	42 ± 10	6 ± 2	13 ± 1	<0.2	1400 ± 220	3.5 ± 0.4	5.0 ± 0.5	1.0 ± 0.1
1SE	330 ± 100	0.33 ± 0.06	8 ± 5	13 ± 10	17 ± 2	12 ± 1	<0.2	1500 ± 220	3.3 ± 0.3	6.6 ± 0.7	0.9 ± 0.1
2SE	260 ± 80	0.24 ± 0.04	9 ± 5	86 ± 20	8 ± 2	2.7 ± 0.3	<0.2	400 ± 60	3.1 ± 0.3	4.8 ± 0.5	1.0 ± 0.1
3SE	240 ± 70	0.32 ± 0.06	14 ± 5	90 ± 20	8 ± 2	33 ± 3	<0.2	2100 ± 320	7.6 ± 0.8	14 ± 1.4	0.9 ± 0.1
1S	290 ± 90	0.19 ± 0.04	12 ± 5			13 ± 1		1100 ± 160	3.9 ± 0.4		0.6 ± 0.1
2S	250 ± 70	0.27 ± 0.04	10 ± 5			25 ± 2		1600 ± 240	3.5 ± 0.4		0.7 ± 0.1
3S	240 ± 70	0.39 ± 0.06	<5	90 ± 20	<3	15 ± 2	<0.3	6000 ± 890	13 ± 1.3	6.9 ± 0.7	0.7 ± 0.1
1SW	460 ± 140	0.31 ± 0.05	21 ± 5	22 ± 10	6 ± 2	3.9 ± 0.4	<0.2	340 ± 50	3.9 ± 0.4	9.2 ± 0.9	1.2 ± 0.1
2SW	250 ± 70	0.29 ± 0.05	9 ± 5	45 ± 10	6 ± 2	19 ± 2	<0.2	1300 ± 200	3.5 ± 0.4	7.6 ± 0.8	0.7 ± 0.1
3SW	240 ± 70	0.31 ± 0.07	<5	150 ± 30	5 ± 2	23 ± 2	<0.2	5600 ± 850	13 ± 1.3	3.9 ± 0.4	0.6 ± 0.1
1W	1500 ± 460	0.81 ± 0.12	34 ± 5			77 ± 8		1600 ± 250	6.9 ± 0.7		3.4 ± 0.3
2W	600 ± 180	0.37 ± 0.11	<5	100 ± 20	10 ± 2	98 ± 10	<0.5	1900 ± 280	4.1 ± 0.4	3.4 ± 0.3	1.3 ± 0.1
3W	1100 ± 340	0.72 ± 0.13	12 ± 5	44 ± 10	10 ± 2	150 ± 15	<0.2	4200 ± 630	5.9 ± 0.6	6.8 ± 0.7	1.2 ± 0.1
4W	810 ± 240	0.48 ± 0.10	26 ± 5			69 ± 7		940 ± 140	3.2 ± 0.3	9.7 ± 1.0	1.6 ± 0.2
5W		0.96 ± 0.14	12 ± 5			91 ± 9		2300 ± 340	13 ± 1.3	11 ± 1.1	1.5 ± 0.1
6W	1200 ± 350	0.59 ± 0.10	29 ± 5	200 ± 40	42 ± 4	72 ± 7	<0.2	2400 ± 370	2.1 ± 0.2	7.6 ± 0.8	1.0 ± 0.1
7W	710 ± 210	0.20 ± 0.06	11 ± 5	32 ± 10	16 ± 2	37 ± 4	<0.2	2000 ± 300	5.1 ± 0.5		0.8 ± 0.1
1NW	880 ± 260	0.29 ± 0.08	7 ± 5			47 ± 5		1900 ± 280	5.2 ± 0.5		1.1 ± 0.1
2NW	540 ± 160	0.62 ± 0.11	17 ± 5			24 ± 2		410 ± 60	6.3 ± 0.6		1.1 ± 0.1
3NW	190 ± 60	0.13 ± 0.04	11 ± 5			5.9 ± 0.6		1800 ± 270	8.1 ± 0.8		0.6 ± 0.1
4NW	390 ± 120	0.22 ± 0.04	<5			15 ± 2		970 ± 150	4.3 ± 0.4		0.9 ± 0.1
5NW	220 ± 70	0.25 ± 0.05	<5			17 ± 2		2300 ± 350	6.3 ± 0.6		0.7 ± 0.1
6NW	150 ± 50	0.32 ± 0.05	9 ± 5			19 ± 2		1900 ± 290	2.8 ± 0.3		0.7 ± 0.1

TABLE A-II (Continued)

Location	Fe (ppm)	Li (ppm)	Mg (ppm)	Mn (ppm)	Ni (ppm)	NO_3 (ppm)	Pb (ppm)	PO_4 (ppm)	Rb (ppm)	SO_4 (ppm)	Ti (ppm)	Zn (ppm)
1N	490 ± 100			52 ± 11		110 ± 10		2500 ± 250	4.4 ± 1.2	360 ± 40		
2N	540 ± 100			45 ± 10		810 ± 80		1400 ± 140	4.9 ± 1.2	450 ± 50		
3N	90 ± 20			28 ± 6		4.0 ± 0.4		2000 ± 200	5.3 ± 1.2	990 ± 100		
4N	810 ± 160	0.20 ± 0.10	1300 ± 130	52 ± 11	18 ± 2	1300 ± 130	3.0 ± 1.0	2000 ± 200	18 ± 1.2	270 ± 30	21 ± 3	9.4 ± 0.9
5N	130 ± 30	<0.20	1200 ± 120	17 ± 5	7.0 ± 1.0	450 ± 50	2.0 ± 1.0	1100 ± 110	7.1 ± 1.2	570 ± 60	16 ± 3	21 ± 2
1NE	300 ± 60			39 ± 8		200 ± 20		2600 ± 260	11 ± 1.2	920 ± 90		
2NE	270 ± 50			33 ± 7		93 ± 9		2100 ± 210	2.2 ± 1.2	1300 ± 130		
3NE	240 ± 50			73 ± 15		<0.9		2000 ± 200	4.3 ± 1.2	520 ± 50		
4NE	140 ± 30			32 ± 7		190 ± 20		2000 ± 200	6.4 ± 1.2	540 ± 50		
5NE	100 ± 20			35 ± 7		300 ± 30		2000 ± 200	9.5 ± 1.2	470 ± 50		
6NE	100 ± 20			57 ± 12		200 ± 20		1300 ± 130	2.6 ± 1.2	740 ± 70		
1E	460 ± 90			36 ± 8		200 ± 20		1600 ± 160	5.4 ± 1.2	320 ± 30		
2E	110 ± 20			24 ± 5		100 ± 10		1900 ± 190	<1.2	610 ± 60		
3E	230 ± 40			17 ± 4		600 ± 60		1500 ± 150	5.5 ± 1.2	1100 ± 110		
4E	110 ± 20	<0.20	1100 ± 110	23 ± 5	35 ± 4	150 ± 20	<3.0	1100 ± 110	3.6 ± 1.2	820 ± 80	16 ± 3	14 ± 1
5E	110 ± 20			24 ± 5		410 ± 40		700 ± 70	11 ± 1.2	230 ± 20		
6E	60 ± 10			31 ± 6		250 ± 30		2000 ± 200	4.2 ± 1.2	990 ± 100		
7E	90 ± 20	<0.20	1200 ± 120	31 ± 6	15 ± 2	60 ± 6	1.0 ± 1.0	820 ± 80	2.7 ± 1.2	1200 ± 120	12 ± 3	16 ± 2
1SE	150 ± 30	0.50 ± 0.05	820 ± 80	26 ± 5	28 ± 3	270 ± 30	1.0 ± 1.0	1900 ± 190	2.2 ± 1.2	1500 ± 150	29 ± 3	12 ± 1
2SE	170 ± 30	0.37 ± 0.04	1100 ± 110	79 ± 16	20 ± 3	260 ± 30	1.0 ± 1.0	1100 ± 110	2.6 ± 1.2	270 ± 30	25 ± 3	22 ± 2
3SE	150 ± 30	0.20 ± 0.10	1500 ± 150	32 ± 7	29 ± 3	<0.9	1.0 ± 1.0	1100 ± 110	8.8 ± 1.2	320 ± 30	17 ± 3	24 ± 2
1S	130 ± 20			25 ± 5		100 ± 10		1700 ± 170	4.4 ± 1.2	840 ± 80		
2S	70 ± 20			30 ± 6		100 ± 10		2300 ± 230	3.8 ± 1.2	950 ± 90		
3S	200 ± 40	<0.20	1500 ± 150	64 ± 13	32 ± 4	660 ± 70	<3.0	2000 ± 200	2.3 ± 1.2	130 ± 10	16 ± 3	39 ± 4
1SW	160 ± 30	0.71 ± 0.07	1100 ± 110	180 ± 35	22 ± 3	600 ± 60	1.0 ± 1.0	760 ± 80	<1.2	290 ± 30	22 ± 3	16 ± 2
2SW	150 ± 30	0.35 ± 0.04	980 ± 100	61 ± 12	28 ± 3	<0.9	<3.0	1400 ± 140	2.1 ± 1.2	1100 ± 110	24 ± 3	19 ± 2
3SW	150 ± 30	<0.20	1300 ± 130	60 ± 12	20 ± 3	180 ± 20	<1.0	4700 ± 470	7.0 ± 1.2	590 ± 60	36 ± 3	52 ± 5
1W	720 ± 140			87 ± 18		1200 ± 120		4100 ± 410	8.0 ± 1.2	1200 ± 120		
2W	270 ± 50	0.27 ± 0.10	610 ± 60	38 ± 8	24 ± 3	110 ± 10	<3.0	1900 ± 190	5.0 ± 1.2	880 ± 90	88 ± 8	14 ± 1
3W	610 ± 120	0.75 ± 0.08	1100 ± 110	54 ± 11	25 ± 3	690 ± 70	3.0 ± 1.0	3100 ± 310	7.0 ± 1.2	970 ± 100	56 ± 5	23 ± 2
4W	350 ± 70	0.45 ± 0.05	1000 ± 100	59 ± 12		1100 ± 110	4.0 ± 1.0	3200 ± 320	2.6 ± 1.2	450 ± 50		
5W	580 ± 120			41 ± 9		200 ± 20		1800 ± 180	4.8 ± 1.2	750 ± 80		
6W	470 ± 90	0.34 ± 0.03	1500 ± 150	52 ± 11	34 ± 4	1100 ± 110	1.0 ± 1.0	2400 ± 240	6.9 ± 1.2	740 ± 70	250 ± 25	22 ± 2
7W	430 ± 80	0.28 ± 0.03	1700 ± 170	74 ± 15	55 ± 6	310 ± 30	1.0 ± 1.0	1600 ± 160	5.0 ± 1.2	1100 ± 110	64 ± 6	15 ± 2
1NW	380 ± 70			38 ± 8		240 ± 20		2100 ± 210	3.5 ± 1.2	810 ± 80		
2NW	270 ± 50			170 ± 33		140 ± 10		910 ± 90	<1.2	880 ± 90		
3NW	130 ± 30			26 ± 6		1200 ± 120		1900 ± 190	8.1 ± 1.2	280 ± 30		
4NW	170 ± 30			26 ± 6		290 ± 30		1300 ± 130	4.3 ± 1.2	120 ± 10		
5NW	160 ± 30			31 ± 7		960 ± 100		2000 ± 200	6.3 ± 1.2	170 ± 20		
6NW	80 ± 20			13 ± 3		380 ± 40		980 ± 100	2.8 ± 1.2	850 ± 90		

[a]Insufficient sample for analysis where no data are reported. Uncertainties represent analytical uncertainties.

TABLE A-III. Juniper: Elemental Concentrations[a]

Location	Al (ppm)	As (ppm)	B (ppm)	Ba (ppm)	Be (ppb)	Br (ppm)	Cd (ppm)	Cl (ppm)	Cr (ppm)	Cu (ppm)	F (ppm)
1N	300 ± 90	0.17 ± 0.05	28 ± 5			26 ± 3		790 ± 120	3.7 ± 0.4		0.40 ± 0.04
5N	560 ± 160	0.08 ± 0.02	17 ± 5			9.5 ± 1.0	0.13 ± 0.01	780 ± 120	4.7 ± 0.5		0.30 ± 0.03
1NE	400 ± 120	0.10 ± 0.03	16 ± 5			33 ± 3		1200 ± 180	4.0 ± 0.4		0.40 ± 0.04
2NE	270 ± 80	0.05 ± 0.02	22 ± 5			5.5 ± 0.5		1100 ± 170	5.9 ± 0.6		0.30 ± 0.03
3NE	250 ± 70	0.06 ± 0.02	27 ± 5			6.3 ± 0.6	0.11 ± 0.02	1200 ± 180	3.0 ± 0.3		0.10 ± 0.01
1E	260 ± 80	0.10 ± 0.04	23 ± 5			38 ± 4	0.10 ± 0.02	1300 ± 200	2.0 ± 0.2		0.10 ± 0.01
2E	240 ± 70	0.06 ± 0.03	24 ± 5	22 ± 10	12 ± 2	42 ± 5	<0.20	920 ± 140	2.9 ± 0.3	4.7 ± 0.5	0.30 ± 0.03
3E	200 ± 60	0.06 ± 0.02	18 ± 5			7.6 ± 0.8	0.20 ± 0.02	460 ± 70	2.9 ± 0.3		0.10 ± 0.01
4E	140 ± 40	<0.02	16 ± 5			3.7 ± 0.4		350 ± 50	5.0 ± 0.5		0.10 ± 0.01
5E	150 ± 50	0.04 ± 0.02	15 ± 5			4.3 ± 0.4	0.22 ± 0.02	540 ± 80	3.5 ± 0.4		0.10 ± 0.01
7E	280 ± 80	0.15 ± 0.02	16 ± 5	52 ± 20	27 ± 2	3.8 ± 0.4	<0.20	480 ± 70	1.6 ± 0.2	3.6 ± 0.4	0.10 ± 0.01
1SE	480 ± 150	0.15 ± 0.04	17 ± 5	290 ± 50	29 ± 3	5.7 ± 0.6	<1.0	460 ± 70	1.5 ± 0.2	4.0 ± 2.0	0.20 ± 0.02
1S	250 ± 70	0.08 ± 0.02	21 ± 5			3.2 ± 0.3	0.10 ± 0.01	800 ± 120	5.9 ± 0.6		0.20 ± 0.02
1SW	330 ± 100	0.06 ± 0.02	23 ± 5	31 ± 10	14 ± 4	3.6 ± 0.4	0.10 ± 0.10	710 ± 110	1.7 ± 0.2	3.5 ± 0.4	0.10 ± 0.01
1W	310 ± 90	0.14 ± 0.04	22 ± 5			34 ± 3	0.13 ± 0.01	990 ± 150	2.9 ± 0.3		0.60 ± 0.06
2W	250 ± 70	<0.03	34 ± 5	28 ± 10	11 ± 2	30 ± 3	0.25 ± 0.10	1100 ± 170	2.5 ± 0.3	5.9 ± 0.6	0.40 ± 0.04
3W	520 ± 220	0.08 ± 0.03	27 ± 5	180 ± 40	12 ± 2	27 ± 3	<0.30	830 ± 120	4.0 ± 0.4	9.4 ± 0.9	0.30 ± 0.03
4W	460 ± 140	<0.03	50 ± 5	83 ± 20	24 ± 2	51 ± 5	0.10 ± 0.10	1400 ± 210	4.6 ± 0.5	7.7 ± 0.8	0.30 ± 0.03
6W	960 ± 290	0.06 ± 0.04	29 ± 5	220 ± 40	22 ± 2	65 ± 7	<0.70	2000 ± 290	4.7 ± 0.5	10 ± 1.0	0.40 ± 0.04
7W	430 ± 130	0.06 ± 0.02	22 ± 5	44 ± 10	14 ± 2	18 ± 2	<0.20	780 ± 120	1.9 ± 0.2	4.7 ± 0.5	0.30 ± 0.03
1NW	300 ± 90	0.08 ± 0.04	21 ± 5			32 ± 3		970 ± 150	4.1 ± 0.4		0.10 ± 0.01

TABLE A-III (Continued)

Location	Fe (ppm)	Li (ppm)	Mg (ppm)	Mn (ppm)	Ni (ppm)	NO_3 (ppm)	Pb (ppm)	PO_4 (ppm)	Rb (ppm)	SO_4 (ppm)	Ti (ppm)	Zn (ppm)
1N	140 ± 30			55 ± 11		<0.9		2400 ± 240	1.9 ± 1.2	610 ± 60		
5N	200 ± 40			37 ± 8		43 ± 4		1100 ± 110	3.0 ± 1.2	180 ± 20		
1NE	180 ± 40			38 ± 8		98 ± 10		4300 ± 430	6.9 ± 1.2	830 ± 80		
2NE	140 ± 30			57 ± 11		110 ± 10		3800 ± 380	2.4 ± 1.2	790 ± 80		
3NE	170 ± 30			58 ± 12		<0.9		1400 ± 140	2.9 ± 1.2	440 ± 40		
1E	90 ± 20			44 ± 9		88 ± 9		3400 ± 340	3.4 ± 1.2	520 ± 50		
2E	60 ± 10	<0.20	2500 ± 250	56 ± 11	9.0 ± 1.0	130 ± 10	<3.0	3200 ± 320	1.9 ± 1.2	350 ± 40	30 ± 3	20 ± 2
3E	80 ± 20			38 ± 8		90 ± 9		1500 ± 150	2.1 ± 1.2	280 ± 30		
4E	70 ± 20			26 ± 5		88 ± 9		1600 ± 160	5.0 ± 1.2	220 ± 20		
5E	80 ± 20			37 ± 8		97 ± 10		1200 ± 120	2.0 ± 1.2	280 ± 30		
7E	110 ± 20	0.24 ± 0.10	1700 ± 170	43 ± 9	3.0 ± 1.0	150 ± 20	3.0 ± 1.0	1600 ± 160	1.8 ± 1.2	530 ± 50	41 ± 5	19 ± 2
1SE	180 ± 40	<1.0	1700 ± 170	30 ± 6	2.0 ± 1.0	130 ± 10	4.0 ± 2.0	1200 ± 120	<1.2	170 ± 20	150 ± 20	9.2 ± 0.9
1S	140 ± 30			53 ± 11		55 ± 5		1900 ± 190	2.6 ± 1.2	340 ± 30		
1SW	110 ± 20	<0.20	2300 ± 230	46 ± 9	2.0 ± 1.0	71 ± 7	<3.0	1600 ± 160	1.9 ± 1.2	240 ± 20	23 ± 6	24 ± 2
1W	160 ± 30			54 ± 11		240 ± 20		2200 ± 220	<1.2	370 ± 40		
2W	140 ± 30	0.20 ± 0.10	2500 ± 250	62 ± 13	11.0 ± 2.0	120 ± 10	<3.0	2100 ± 210	2.5 ± 1.2	820 ± 80	16 ± 3	21 ± 5
3W	190 ± 40	0.30 ± 0.10	3000 ± 300	51 ± 10	4.3 ± 0.5	110 ± 10	1.0 ± 1.0	3100 ± 310	3.5 ± 1.2	560 ± 60	65 ± 6	20 ± 2
4W	240 ± 40	0.35 ± 0.04	2600 ± 260	58 ± 12	1.9 ± 0.5	110 ± 10	2.0 ± 1.0	3400 ± 340	4.7 ± 1.2	520 ± 50	48 ± 3	27 ± 3
6W	500 ± 100	0.44 ± 0.04	3600 ± 360	55 ± 11	9.8 ± 1.0	110 ± 10	<3.0	3400 ± 340	4.1 ± 1.2	600 ± 60	150 ± 15	27 ± 3
7W	170 ± 40	0.41 ± 0.04	2000 ± 200	44 ± 9	4.1 ± 0.5	110 ± 10	<3.0	2400 ± 240	1.1 ± 1.2	720 ± 70	78 ± 8	19 ± 2
1NW	160 ± 30			56 ± 11		90 ± 9		2400 ± 240	4.3 ± 1.2	590 ± 60		

[a]Insufficient sample for analysis where no data are reported. Uncertainties represent analytical uncertainties.

TABLE A-IV. Piñon: Elemental Concentrations[a]

Location	Al (ppm)	As (ppm)	B (ppm)	Ba (ppm)	Be (ppb)	Br (ppm)	Cd (ppm)	Cl (ppm)	Cr (ppm)	Cu (ppm)	F (ppm)
2N	140 ± 40	<0.03	18 ± 5			19 ± 2		320 ± 50	2.9 ± 0.3		0.40 ± 0.04
3N	190 ± 60	0.09 ± 0.03	14 ± 5			7.9 ± 0.8		230 ± 30	3.6 ± 0.4		0.30 ± 0.03
4N	130 ± 40	0.18 ± 0.04	22 ± 5			5.0 ± 0.5	0.10 ± 0.01	420 ± 60	3.1 ± 0.3		0.30 ± 0.03
4NE	220 ± 70	0.15 ± 0.03	22 ± 5			15 ± 2		280 ± 40	4.2 ± 0.4		0.10 ± 0.01
5NE	140 ± 40	0.10 ± 0.02	21 ± 5			5.1 ± 0.5		470 ± 70	2.8 ± 0.3		0.10 ± 0.01
6NE	180 ± 60	0.11 ± 0.03	11 ± 5			9.9 ± 1		330 ± 50	2.3 ± 0.2		0.10 ± 0.01
6E	140 ± 40	0.15 ± 0.02	25 ± 5	27 ±10	18 ± 2	6.0 ± 0.6	<0.30	400 ± 60	1.4 ± 0.1	2.2 ± 0.2	0.10 ± 0.01
2SE	250 ± 70	0.20 ± 0.03	17 ± 5			5.1 ± 0.5	0.10 ± 0.02	260 ± 40	1.9 ± 0.2	7.0 ± 3.0	0.20 ± 0.02
3SE	310 ± 90	0.17 ± 0.03	28 ± 5	28 ±10	13 ± 2	8.3 ± 0.8	0.20 ± 0.01	370 ± 60	3.6 ± 0.4	2.5 ± 0.3	0.10 ± 0.01
2S	230 ± 70	0.08 ± 0.02	19 ± 5	17 ±10	8 ± 2	1.7 ± 0.2	<0.20	440 ± 70	1.0 ± 0.1		0.10 ± 0.01
3S	290 ± 90	0.30 ± 0.04	18 ± 5			7.3 ± 0.7	<0.50	230 ± 40	1.8 ± 0.2	4.0 ± 1.0	0.20 ± 0.02
3SW	220 ± 70	0.21 ± 0.03	46 ± 5			9.4 ± 0.9		4000 ± 600	4.1 ± 0.4		0.20 ± 0.02
5W	280 ± 80	0.19 ± 0.04	23 ± 5			55 ± 6	0.05 ± 0.01	710 ± 110	2.1 ± 0.2		0.70 ± 0.07
2NW	100 ± 30	0.18 ± 0.05	17 ± 5			41 ± 4		460 ± 70	6.8 ± 0.7		0.10 ± 0.01
3NW	290 ± 90	0.15 ± 0.03	17 ± 5			9.7 ± 1		390 ± 60	5.2 ± 0.5		0.10 ± 0.01
4NW	200 ± 60	0.14 ± 0.04	23 ± 5	<100	24 ± 4	29 ± 3	<8.0	450 ± 70	3.3 ± 0.3	<15	0.10 ± 0.01
5NW	230 ± 70	0.08 ± 0.02	25 ± 5			3.0 ± 0.3		250 ± 40	4.8 ± 0.5		0.20 ± 0.02
6NW	120 ± 40	0.09 ± 0.02	23 ± 5			3.6 ± 0.4		330 ± 50	2.7 ± 0.3		0.10 ± 0.01

Volume 2

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ENCLOSURE 4-D

PHASE ONE CLEAN CLOSURE VERIFICATION SAMPLES: SOIL SAMPLES AT TWO FOOT DEPTH

T4-35
T3L-75
[illegible] soil

2

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HSE-9 ANALYTICAL SERVICE AGREEMENT

Request No. 7968

I. PRESAMPLING CONFERENCE

Program Code W57R

No. Samples Expected 24 ea soil } VOC SVOC PCB metals - see below

Submission Date 1-18-89

Completion Date TBA

Chain of Custody? Yes

Special Protocol? *(EPA etc.)* EPA-EPTOX

Analyses Requested: List analyses on HSE-9 Analytical Chemistry Request Sheet. VOA SemiVols PCB metals
(Indicate expected concentration range and required detection limits under remarks.)

Container Type Glass/Teflon Preservative None - Chill to 4°C
(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples.)

Storage Conditions *(circle one or more)*: None Refrigerate Freeze Darkness

Sample Hazards Present? *(Circle one or more)*
No hazard Toxic Radioactive: alpha beta gamma Flammable Explosive/Reactive

Sample Disposal: Return _____ Discard only if no RCRA compounds
(All hazardous samples or TRU wastes will be returned to the customer.)

Customer D.G. McLIN
Customer Phone -1721 MS K490

HSE-9 Section Leader _____ Organic
Robert Robinson Inorganic
_____ Radiochem

Date 1/18/89

Metals:
1.) EP tox metals
2.) Total metals for 12 ea (see below)

II. EMERGENCY SAMPLES

Emergency Status **requires the following signatures:**

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

Set A = metals
Set B = VOA
Set C = SVOA
Set D = PCB

III. SAMPLE RECEIPT

Signature [illegible] Date 1/18/89 Total No. Samples Received 24 + 2QC

HSE-9 Sample No. Range 89.15[illegible] to 89.15907.

Customer Sample No. Range 85F[illegible]-1 to 85FS-24.

TOTAL metals:
1. Antimony
2. Arsenic
3. Barium
4. Beryllium
6. Chromium
7. Lead
8. Mercury
9. Nickel
11. Silver
12. Thallium

3-8-89

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VOLATILE ORGANIC ANALYSES

January 4, 1990

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TA-35 TSL-85 SI
Final soils verification
after soil excavation

Steve,

Attached you will find the **final** report for the soil samples you submitted for VOA analysis under the request #7968. If you have any questions regarding these results, please do not hesitate to contact me at 7-5889 or stop by my office (TA-59, OH-1, Room 115). Thank you for your continued support of our VOA analysis program.

Chuck Rzeszutko
Organic Section Leader
HSE-9

REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-1	89.15879	67641	132.	39.6	UG/KG	12/06/89		Acetone
85FS-1	89.15879	71432	< 10.		UG/KG	12/06/89		Benzene
85FS-1	89.15879	108861	< 10.		UG/KG	12/06/89		Bromobenzene
85FS-1	89.15879	74975	< 10.		UG/KG	12/06/89		Bromochloromethane
85FS-1	89.15879	75274	< 10.		UG/KG	12/06/89		Bromodichloromethane
85FS-1	89.15879	75252	< 10.		UG/KG	12/06/89		Bromoform
85FS-1	89.15879	74839	< 20.		UG/KG	12/06/89		Bromomethane
85FS-1	89.15879	78933	< 20.		UG/KG	12/06/89		2-Butanone
85FS-1	89.15879	104518	< 10.		UG/KG	12/06/89		n-Butylbenzene
85FS-1	89.15879	98066	< 10.		UG/KG	12/06/89		tert-Butylbenzene
85FS-1	89.15879	135988	< 10.		UG/KG	12/06/89		sec-Butylbenzene
85FS-1	89.15879	75150	< 10.		UG/KG	12/06/89		Carbon disulfide
85FS-1	89.15879	56235	< 10.		UG/KG	12/06/89		Carbon tetrachloride
85FS-1	89.15879	108907	< 10.		UG/KG	12/06/89		Chlorobenzene
85FS-1	89.15879	124481	< 10.		UG/KG	12/06/89		Chlorodibromomethane
85FS-1	89.15879	75003	< 20.		UG/KG	12/06/89		Chloroethane
85FS-1	89.15879	67663	< 10.		UG/KG	12/06/89		Chloroform
85FS-1	89.15879	74873	< 20.		UG/KG	12/06/89		Chloromethane
85FS-1	89.15879	95498	< 10.		UG/KG	12/06/89		o-Chlorotoluene
85FS-1	89.15879	106434	< 10.		UG/KG	12/06/89		p-Chlorotoluene
85FS-1	89.15879	96128	< 10.		UG/KG	12/06/89		1,2-Dibromo-3-chloropropane
85FS-1	89.15879	106934	< 10.		UG/KG	12/06/89		1,2-Dibromoethane
85FS-1	89.15879	74953	< 10.		UG/KG	12/06/89		Dibromomethane
85FS-1	89.15879	95501	< 10.		UG/KG	12/06/89		o-Dichlorobenzene (1,2)
85FS-1	89.15879	541731	< 10.		UG/KG	12/06/89		m-Dichlorobenzene (1,3)

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85FS-1	89.15879	106467	< 10.		UG/KG	12/06/89	p-Dichlorobenzene (1,4)
85FS-1	89.15879	75343	< 10.		UG/KG	12/06/89	1,1-Dichloroethane
85FS-1	89.15879	107062	< 10.		UG/KG	12/06/89	1,2-Dichloroethane
85FS-1	89.15879	156605	< 10.		UG/KG	12/06/89	trans-1,2-Dichloroethene
85FS-1	89.15879	75354	< 10.		UG/KG	12/06/89	1,1-Dichloroethene
85FS-1	89.15879	156592	< 10.		UG/KG	12/06/89	cis-1,2-Dichloroethylene
85FS-1	89.15879	594207	< 10.		UG/KG	12/06/89	2,2-Dichloropropane
85FS-1	89.15879	142289	< 10.		UG/KG	12/06/89	1,3-Dichloropropane
85FS-1	89.15879	78875	< 10.		UG/KG	12/06/89	1,2-Dichloropropane
85FS-1	89.15879	10061026	< 10.		UG/KG	12/06/89	trans-1,3-Dichloropropene
85FS-1	89.15879	563586	< 10.		UG/KG	12/06/89	1,1-Dichloropropene
85FS-1	89.15879	10061015	< 10.		UG/KG	12/06/89	cis-1,3-Dichloropropene
85FS-1	89.15879	100414	< 10.		UG/KG	12/06/89	Ethylbenzene
85FS-1	89.15879	107062	< 10.		UG/KG	12/06/89	Ethylene chloride
85FS-1	89.15879	87683	< 10.		UG/KG	12/06/89	Hexachlorobutadiene
85FS-1	89.15879	591786	< 20.		UG/KG	12/06/89	2-Hexanone
85FS-1	89.15879	98828	< 10.		UG/KG	12/06/89	Isopropylbenzene
85FS-1	89.15879	99876	< 10.		UG/KG	12/06/89	4-Isopropyltoluene
85FS-1	89.15879	108101	< 20.		UG/KG	12/06/89	4-Methyl-2-pentanone
85FS-1	89.15879	75092	< 10.		UG/KG	12/06/89	Methylene chloride
85FS-1	89.15879	91203	< 10.		UG/KG	12/06/89	Naphthalene
85FS-1	89.15879	103651	< 10.		UG/KG	12/06/89	Propylbenzene
85FS-1	89.15879	100425	< 10.		UG/KG	12/06/89	Styrene
85FS-1	89.15879	79345	< 10.		UG/KG	12/06/89	1,1,2,2-Tetrachloroethane
85FS-1	89.15879	630206	< 10.		UG/KG	12/06/89	1,1,1,2-Tetrachloroethane
85FS-1	89.15879	127184	< 10.		UG/KG	12/06/89	Tetrachloroethylene
85FS-1	89.15879	108883	< 10.		UG/KG	12/06/89	Toluene
85FS-1	89.15879	120821	< 10.		UG/KG	12/06/89	1,2,4-Trichlorobenzene
85FS-1	89.15879	87616	< 10.		UG/KG	12/06/89	1,2,3-Trichlorobenzene
85FS-1	89.15879	71556	19.4	5.8	UG/KG	12/06/89	1,1,1-Trichloroethane
85FS-1	89.15879	79005	< 10.		UG/KG	12/06/89	1,1,2-Trichloroethane
85FS-1	89.15879	79016	< 10.		UG/KG	12/06/89	Trichloroethene
85FS-1	89.15879	75694	< 10.		UG/KG	12/06/89	Trichlorofluoromethane
85FS-1	89.15879	96184	< 10.		UG/KG	12/06/89	1,2,3-Trichloropropane
85FS-1	89.15879	108678	< 10.		UG/KG	12/06/89	1,3,5-Trimethylbenzene
85FS-1	89.15879	95636	< 10.		UG/KG	12/06/89	1,2,4-Trimethylbenzene
85FS-1	89.15879	108054	< 10.		UG/KG	12/06/89	Vinyl acetate
85FS-1	89.15879	75014	< 20.		UG/KG	12/06/89	Vinyl chloride
85FS-1	89.15879	95476	104.	31.2	UG/KG	12/06/89	o-Xylene
85FS-1	89.15879	1330207	87.	26.1	UG/KG	12/06/89	Mixed-Xylenes (m + p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS		RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-2	89.15880	67641		171.	51.3	UG/KG	12/06/89		Acetone
85FS-2	89.15880	71432		< 10.		UG/KG	12/06/89		Benzene
85FS-2	89.15880	697405	TI			UG/KG	12/07/89		Bicyclo[2.2.2]octane, 1-Bromo-4-methyl
85FS-2	89.15880	108861		< 10.		UG/KG	12/06/89		Bromobenzene
85FS-2	89.15880	74975		< 10.		UG/KG	12/06/89		Bromochloromethane
85FS-2	89.15880	75274		< 10.		UG/KG	12/06/89		Bromodichloromethane
85FS-2	89.15880	75252		< 10.		UG/KG	12/06/89		Bromoform
85FS-2	89.15880	74839		< 20.		UG/KG	12/06/89		Bromomethane
85FS-2	89.15880	78933		21.8	6.5	UG/KG	12/06/89		2-Butanone
85FS-2	89.15880	98066		< 10.		UG/KG	12/06/89		tert-Butylbenzene
85FS-2	89.15880	104518		< 10.		UG/KG	12/06/89		n-Butylbenzene
85FS-2	89.15880	135988		< 10.		UG/KG	12/06/89		sec-Butylbenzene
85FS-2	89.15880	75150		< 10.		UG/KG	12/06/89		Carbon disulfide
85FS-2	89.15880	56235		< 10.		UG/KG	12/06/89		Carbon tetrachloride
85FS-2	89.15880	108907		< 10.		UG/KG	12/06/89		Chlorobenzene
85FS-2	89.15880	124481		< 10.		UG/KG	12/06/89		Chlorodibromomethane
85FS-2	89.15880	75003		< 20.		UG/KG	12/06/89		Chloroethane
85FS-2	89.15880	67663		< 10.		UG/KG	12/06/89		Chloroform
85FS-2	89.15880	74873		< 20.		UG/KG	12/06/89		Chloromethane
85FS-2	89.15880	95498		< 10.		UG/KG	12/06/89		o-Chlorotoluene
85FS-2	89.15880	106434		< 10.		UG/KG	12/06/89		p-Chlorotoluene
85FS-2	89.15880	96128		< 10.		UG/KG	12/06/89		1,2-Dibromo-3-chloropropane
85FS-2	89.15880	106934		< 10.		UG/KG	12/06/89		1,2-Dibromoethane
85FS-2	89.15880	74953		< 10.		UG/KG	12/06/89		Dibromomethane
85FS-2	89.15880	95501		< 10.		UG/KG	12/06/89		o-Dichlorobenzene (1,2)

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85FS-2	89.15880	541731	< 10.		UG/KG	12/06/89	m-Dichlorobenzene (1,3)
85FS-2	89.15880	106467	< 10.		UG/KG	12/06/89	p-Dichlorobenzene (1,4)
85FS-2	89.15880	107062	< 10.		UG/KG	12/06/89	1,2-Dichloroethane
85FS-2	89.15880	75343	< 10.		UG/KG	12/06/89	1,1-Dichloroethane
85FS-2	89.15880	75354	< 10.		UG/KG	12/06/89	1,1-Dichloroethene
85FS-2	89.15880	156605	< 10.		UG/KG	12/06/89	trans-1,2-Dichloroethene
85FS-2	89.15880	156592	< 10.		UG/KG	12/06/89	cis-1,2-Dichloroethylene
85FS-2	89.15880	142289	< 10.		UG/KG	12/06/89	1,3-Dichloropropane
85FS-2	89.15880	594207	< 10.		UG/KG	12/06/89	2,2-Dichloropropane
85FS-2	89.15880	78875	< 10.		UG/KG	12/06/89	1,2-Dichloropropane
85FS-2	89.15880	563586	< 10.		UG/KG	12/06/89	1,1-Dichloropropene
85FS-2	89.15880	10061026	< 10.		UG/KG	12/06/89	trans-1,3-Dichloropropene
85FS-2	89.15880	10061015	< 10.		UG/KG	12/06/89	cis-1,3-Dichloropropene
85FS-2	89.15880	100414	< 10.		UG/KG	12/06/89	Ethylbenzene
85FS-2	89.15880	107062	< 10.		UG/KG	12/06/89	Ethylene chloride
85FS-2	89.15880	87683	< 10.		UG/KG	12/06/89	Hexachlorobutadiene
85FS-2	89.15880	591786	< 20.		UG/KG	12/06/89	2-Hexanone
85FS-2	89.15880	98828	12.6	3.8	UG/KG	12/06/89	Isopropylbenzene
85FS-2	89.15880	99876	< 10.		UG/KG	12/06/89	4-Isopropyltoluene
85FS-2	89.15880	108101	< 20.		UG/KG	12/06/89	4-Methyl-2-pentanone
85FS-2	89.15880	75092	< 10.		UG/KG	12/06/89	Methylene chloride
85FS-2	89.15880	91203	< 10.		UG/KG	12/06/89	Naphthalene
85FS-2	89.15880	103651	< 10.		UG/KG	12/06/89	Propylbenzene
85FS-2	89.15880	100425	< 10.		UG/KG	12/06/89	Styrene
85FS-2	89.15880	630206	< 10.		UG/KG	12/06/89	1,1,1,2-Tetrachloroethane
85FS-2	89.15880	79345	< 10.		UG/KG	12/06/89	1,1,2,2-Tetrachloroethane
85FS-2	89.15880	127184	< 10.		UG/KG	12/06/89	Tetrachloroethylene
85FS-2	89.15880	108883	< 10.		UG/KG	12/06/89	Toluene
85FS-2	89.15880	120821	< 10.		UG/KG	12/06/89	1,2,4-Trichlorobenzene
85FS-2	89.15880	87616	< 10.		UG/KG	12/06/89	1,2,3-Trichlorobenzene
85FS-2	89.15880	71556	16.4	4.9	UG/KG	12/06/89	1,1,1-Trichloroethane
85FS-2	89.15880	79005	< 10.		UG/KG	12/06/89	1,1,2-Trichloroethane
85FS-2	89.15880	79016	< 10.		UG/KG	12/06/89	Trichloroethene
85FS-2	89.15880	75694	< 10.		UG/KG	12/06/89	Trichlorofluoromethane
85FS-2	89.15880	96184	< 10.		UG/KG	12/06/89	1,2,3-Trichloropropane
85FS-2	89.15880	95636	< 10.		UG/KG	12/06/89	1,2,4-Trimethylbenzene
85FS-2	89.15880	108678	< 10.		UG/KG	12/06/89	1,3,5-Trimethylbenzene
85FS-2	89.15880	108054	< 10.		UG/KG	12/06/89	Vinyl acetate
85FS-2	89.15880	75014	< 20.		UG/KG	12/06/89	Vinyl chloride
85FS-2	89.15880	95476	50.1	15.	UG/KG	12/06/89	o-Xylene
85FS-2	89.15880	1330207	44.4	13.3	UG/KG	12/06/89	Mixed-Xylenes (m ± p)

DRAFT

REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-3	89.15881	67641	316.	94.8	UG/KG	12/06/89		Acetone
85FS-3	89.15881	71432	< 10.		UG/KG	12/06/89		Benzene
85FS-3	89.15881	108861	< 10.		UG/KG	12/06/89		Bromobenzene
85FS-3	89.15881	74975	< 10.		UG/KG	12/06/89		Bromochloromethane
85FS-3	89.15881	75274	< 10.		UG/KG	12/06/89		Bromodichloromethane
85FS-3	89.15881	75252	< 10.		UG/KG	12/06/89		Bromoform
85FS-3	89.15881	74839	< 20.		UG/KG	12/06/89		Bromomethane
85FS-3	89.15881	78933	< 20.		UG/KG	12/06/89		2-Butanone
85FS-3	89.15881	135988	< 10.		UG/KG	12/06/89		sec-Butylbenzene
85FS-3	89.15881	98066	< 10.		UG/KG	12/06/89		tert-Butylbenzene
85FS-3	89.15881	104518	< 10.		UG/KG	12/06/89		n-Butylbenzene
85FS-3	89.15881	75150	< 10.		UG/KG	12/06/89		Carbon disulfide
85FS-3	89.15881	56235	< 10.		UG/KG	12/06/89		Carbon tetrachloride
85FS-3	89.15881	108907	< 10.		UG/KG	12/06/89		Chlorobenzene
85FS-3	89.15881	124481	< 10.		UG/KG	12/06/89		Chlorodibromomethane
85FS-3	89.15881	75003	< 20.		UG/KG	12/06/89		Chloroethane
85FS-3	89.15881	67663	< 10.		UG/KG	12/06/89		Chloroform
85FS-3	89.15881	74873	< 20.		UG/KG	12/06/89		Chloromethane
85FS-3	89.15881	95498	< 10.		UG/KG	12/06/89		o-Chlorotoluene
85FS-3	89.15881	106434	< 10.		UG/KG	12/06/89		p-Chlorotoluene
85FS-3	89.15881	96128	< 10.		UG/KG	12/06/89		1,2-Dibromo-3-chloropropane
85FS-3	89.15881	106934	< 10.		UG/KG	12/06/89		1,2-Dibromoethane
85FS-3	89.15881	74953	< 10.		UG/KG	12/06/89		Dibromomethane
85FS-3	89.15881	95501	< 10.		UG/KG	12/06/89		o-Dichlorobenzene (1,2)
85FS-3	89.15881	541731	< 10.		UG/KG	12/06/89		m-Dichlorobenzene (1,3)

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85FS-3	89.15881	106467	< 10.		UG/KG	12/06/89	p-Dichlorobenzene (1,4)
85FS-3	89.15881	107062	< 10.		UG/KG	12/06/89	1,2-Dichloroethane
85FS-3	89.15881	75343	< 10.		UG/KG	12/06/89	1,1-Dichloroethane
85FS-3	89.15881	156605	< 10.		UG/KG	12/06/89	trans-1,2-Dichloroethene
85FS-3	89.15881	75354	< 10.		UG/KG	12/06/89	1,1-Dichloroethene
85FS-3	89.15881	156592	< 10.		UG/KG	12/06/89	cis-1,2-Dichloroethylene
85FS-3	89.15881	78875	< 10.		UG/KG	12/06/89	1,2-Dichloropropane
85FS-3	89.15881	142289	< 10.		UG/KG	12/06/89	1,3-Dichloropropane
85FS-3	89.15881	594207	< 10.		UG/KG	12/06/89	2,2-Dichloropropane
85FS-3	89.15881	10061015	< 10.		UG/KG	12/06/89	cis-1,3-Dichloropropene
85FS-3	89.15881	10061026	< 10.		UG/KG	12/06/89	trans-1,3-Dichloropropene
85FS-3	89.15881	563586	< 10.		UG/KG	12/06/89	1,1-Dichloropropene
85FS-3	89.15881	100414	< 10.		UG/KG	12/06/89	Ethylbenzene
85FS-3	89.15881	107062	< 10.		UG/KG	12/06/89	Ethylene chloride
85FS-3	89.15881	87683	< 10.		UG/KG	12/06/89	Hexachlorobutadiene
85FS-3	89.15881	591786	< 20.		UG/KG	12/06/89	2-Hexanone
85FS-3	89.15881	98828	< 10.		UG/KG	12/06/89	Isopropylbenzene
85FS-3	89.15881	99876	< 10.		UG/KG	12/06/89	4-Isopropyltoluene
85FS-3	89.15881	108101	< 20.		UG/KG	12/06/89	4-Methyl-2-pentanone
85FS-3	89.15881	75092	< 10.		UG/KG	12/06/89	Methylene chloride
85FS-3	89.15881	91203	< 10.		UG/KG	12/06/89	Naphthalene
85FS-3	89.15881	103651	< 10.		UG/KG	12/06/89	Propylbenzene
85FS-3	89.15881	100425	< 10.		UG/KG	12/06/89	Styrene
85FS-3	89.15881	79345	< 10.		UG/KG	12/06/89	1,1,2,2-Tetrachloroethane
85FS-3	89.15881	630206	< 10.		UG/KG	12/06/89	1,1,1,2-Tetrachloroethane
85FS-3	89.15881	127184	< 10.		UG/KG	12/06/89	Tetrachloroethylene
85FS-3	89.15881	108883	< 10.		UG/KG	12/06/89	Toluene
85FS-3	89.15881	120821	< 10.		UG/KG	12/06/89	1,2,4-Trichlorobenzene
85FS-3	89.15881	87616	< 10.		UG/KG	12/06/89	1,2,3-Trichlorobenzene
85FS-3	89.15881	79005	< 10.		UG/KG	12/06/89	1,1,2-Trichloroethane
85FS-3	89.15881	71556	11.8	3.5	UG/KG	12/06/89	1,1,1-Trichloroethane
85FS-3	89.15881	79016	< 10.		UG/KG	12/06/89	Trichloroethene
85FS-3	89.15881	75694	< 10.		UG/KG	12/06/89	Trichlorofluoromethane
85FS-3	89.15881	96184	< 10.		UG/KG	12/06/89	1,2,3-Trichloropropane
85FS-3	89.15881	95636	< 10.		UG/KG	12/06/89	1,2,4-Trimethylbenzene
85FS-3	89.15881	108678	< 10.		UG/KG	12/06/89	1,3,5-Trimethylbenzene
85FS-3	89.15881	108054	< 10.		UG/KG	12/06/89	Vinyl acetate
85FS-3	89.15881	75014	< 20.		UG/KG	12/06/89	Vinyl chloride
85FS-3	89.15881	95476	123.	36.9	UG/KG	12/06/89	o-Xylene
85FS-3	89.15881	1330207	111.	33.3	UG/KG	12/06/89	Mixed-Xylenes (m + p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-4	89.15882	67641	576.	172.8	UG/KG	12/06/89		Acetone
85FS-4	89.15882	71432	< 10.		UG/KG	12/06/89		Benzene
85FS-4	89.15882	108861	< 10.		UG/KG	12/06/89		Bromobenzene
85FS-4	89.15882	74975	< 10.		UG/KG	12/06/89		Bromochloromethane
85FS-4	89.15882	75274	< 10.		UG/KG	12/06/89		Bromodichloromethane
85FS-4	89.15882	75252	< 10.		UG/KG	12/06/89		Bromoform
85FS-4	89.15882	74839	< 20.		UG/KG	12/06/89		Bromomethane
85FS-4	89.15882	78933	< 20.		UG/KG	12/06/89		2-Butanone
85FS-4	89.15882	98066	< 10.		UG/KG	12/06/89		tert-Butylbenzene
85FS-4	89.15882	135988	< 10.		UG/KG	12/06/89		sec-Butylbenzene
85FS-4	89.15882	104518	< 10.		UG/KG	12/06/89		n-Butylbenzene
85FS-4	89.15882	75150	22.2	6.7	UG/KG	12/06/89		Carbon disulfide
85FS-4	89.15882	56235	< 10.		UG/KG	12/06/89		Carbon tetrachloride
85FS-4	89.15882	108907	< 10.		UG/KG	12/06/89		Chlorobenzene
85FS-4	89.15882	124481	< 10.		UG/KG	12/06/89		Chlorodibromomethane
85FS-4	89.15882	75003	< 20.		UG/KG	12/06/89		Chloroethane
85FS-4	89.15882	67663	26.8	8.	UG/KG	12/06/89		Chloroform
85FS-4	89.15882	74873	< 20.		UG/KG	12/06/89		Chloromethane
85FS-4	89.15882	106434	< 10.		UG/KG	12/06/89		p-Chlorotoluene
85FS-4	89.15882	95498	< 10.		UG/KG	12/06/89		o-Chlorotoluene
85FS-4	89.15882	96128	< 10.		UG/KG	12/06/89		1,2-Dibromo-3-chloropropane
85FS-4	89.15882	106934	< 10.		UG/KG	12/06/89		1,2-Dibromoethane
85FS-4	89.15882	74953	< 10.		UG/KG	12/06/89		Dibromomethane
85FS-4	89.15882	95501	< 10.		UG/KG	12/06/89		o-Dichlorobenzene (1,2)
85FS-4	89.15882	541731	< 10.		UG/KG	12/06/89		m-Dichlorobenzene (1,3)

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85FS-4	89.15882	106467	< 10.		UG/KG	12/06/89	p-Dichlorobenzene (1,4)
85FS-4	89.15882	107062	< 10.		UG/KG	12/06/89	1,2-Dichloroethane
85FS-4	89.15882	75343	< 10.		UG/KG	12/06/89	1,1-Dichloroethane
85FS-4	89.15882	75354	< 10.		UG/KG	12/06/89	1,1-Dichloroethene
85FS-4	89.15882	156605	< 10.		UG/KG	12/06/89	trans-1,2-Dichloroethene
85FS-4	89.15882	156592	< 10.		UG/KG	12/06/89	cis-1,2-Dichloroethylene
85FS-4	89.15882	78875	< 10.		UG/KG	12/06/89	1,2-Dichloropropane
85FS-4	89.15882	594207	< 10.		UG/KG	12/06/89	2,2-Dichloropropane
85FS-4	89.15882	142289	< 10.		UG/KG	12/06/89	1,3-Dichloropropane
85FS-4	89.15882	10061015	< 10.		UG/KG	12/06/89	cis-1,3-Dichloropropene
85FS-4	89.15882	10061026	< 10.		UG/KG	12/06/89	trans-1,3-Dichloropropene
85FS-4	89.15882	563586	< 10.		UG/KG	12/06/89	1,1-Dichloropropene
85FS-4	89.15882	100414	< 10.		UG/KG	12/06/89	Ethylbenzene
85FS-4	89.15882	107062	< 10.		UG/KG	12/06/89	Ethylene chloride
85FS-4	89.15882	87683	< 10.		UG/KG	12/06/89	Hexachlorobutadiene
85FS-4	89.15882	591786	< 20.		UG/KG	12/06/89	2-Hexanone
85FS-4	89.15882	98828	< 10.		UG/KG	12/06/89	Isopropylbenzene
85FS-4	89.15882	99876	< 10.		UG/KG	12/06/89	4-Isopropyltoluene
85FS-4	89.15882	108101	< 20.		UG/KG	12/06/89	4-Methyl-2-pentanone
85FS-4	89.15882	75092	< 10.		UG/KG	12/06/89	Methylene chloride
85FS-4	89.15882	91203	< 10.		UG/KG	12/06/89	Naphthalene
85FS-4	89.15882	103651	< 10.		UG/KG	12/06/89	Propylbenzene
85FS-4	89.15882	100425	< 10.		UG/KG	12/06/89	Styrene
85FS-4	89.15882	79345	< 10.		UG/KG	12/06/89	1,1,2,2-Tetrachloroethane
85FS-4	89.15882	630206	< 10.		UG/KG	12/06/89	1,1,1,2-Tetrachloroethane
85FS-4	89.15882	127184	< 10.		UG/KG	12/06/89	Tetrachloroethylene
85FS-4	89.15882	108883	< 10.		UG/KG	12/06/89	Toluene
85FS-4	89.15882	87616	< 10.		UG/KG	12/06/89	1,2,3-Trichlorobenzene
85FS-4	89.15882	120821	< 10.		UG/KG	12/06/89	1,2,4-Trichlorobenzene
85FS-4	89.15882	79005	< 10.		UG/KG	12/06/89	1,1,2-Trichloroethane
85FS-4	89.15882	71556	18.3	5.5	UG/KG	12/06/89	1,1,1-Trichloroethane
85FS-4	89.15882	79016	< 10.		UG/KG	12/06/89	Trichloroethene
85FS-4	89.15882	75694	< 10.		UG/KG	12/06/89	Trichlorofluoromethane
85FS-4	89.15882	96184	< 10.		UG/KG	12/06/89	1,2,3-Trichloropropane
85FS-4	89.15882	95636	< 10.		UG/KG	12/06/89	1,2,4-Trimethylbenzene
85FS-4	89.15882	108678	< 10.		UG/KG	12/06/89	1,3,5-Trimethylbenzene
85FS-4	89.15882	108054	< 10.		UG/KG	12/06/89	Vinyl acetate
85FS-4	89.15882	75014	< 20.		UG/KG	12/06/89	Vinyl chloride
85FS-4	89.15882	95476	55.6	16.7	UG/KG	12/06/89	o-Xylene
85FS-4	89.15882	1330207	48.3	14.5	UG/KG	12/06/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-5	89.15883	67641	282.	84.6	UG/KG	12/06/89		Acetone
85FS-5	89.15883	71432	< 10.		UG/KG	12/06/89		Benzene
85FS-5	89.15883	108861	< 10.		UG/KG	12/06/89		Bromobenzene
85FS-5	89.15883	74975	< 10.		UG/KG	12/06/89		Bromochloromethane
85FS-5	89.15883	75274	< 10.		UG/KG	12/06/89		Bromodichloromethane
85FS-5	89.15883	75252	< 10.		UG/KG	12/06/89		Bromoform
85FS-5	89.15883	74839	< 20.		UG/KG	12/06/89		Bromomethane
85FS-5	89.15883	78933	< 20.		UG/KG	12/06/89		2-Butanone
85FS-5	89.15883	98066	< 10.		UG/KG	12/06/89		tert-Butylbenzene
85FS-5	89.15883	104518	< 10.		UG/KG	12/06/89		n-Butylbenzene
85FS-5	89.15883	135988	< 10.		UG/KG	12/06/89		sec-Butylbenzene
85FS-5	89.15883	75150	< 10.		UG/KG	12/06/89		Carbon disulfide
85FS-5	89.15883	56235	< 10.		UG/KG	12/06/89		Carbon tetrachloride
85FS-5	89.15883	108907	< 10.		UG/KG	12/06/89		Chlorobenzene
85FS-5	89.15883	124481	< 10.		UG/KG	12/06/89		Chlorodibromomethane
85FS-5	89.15883	75003	< 20.		UG/KG	12/06/89		Chloroethane
85FS-5	89.15883	67663	27.9	8.4	UG/KG	12/06/89		Chloroform
85FS-5	89.15883	74873	< 20.		UG/KG	12/06/89		Chloromethane
85FS-5	89.15883	106434	< 10.		UG/KG	12/06/89		p-Chlorotoluene
85FS-5	89.15883	95498	< 10.		UG/KG	12/06/89		o-Chlorotoluene
85FS-5	89.15883	96128	< 10.		UG/KG	12/06/89		1,2-Dibromo-3-chloropropane
85FS-5	89.15883	106934	< 10.		UG/KG	12/06/89		1,2-Dibromoethane
85FS-5	89.15883	74953	< 10.		UG/KG	12/06/89		Dibromomethane
85FS-5	89.15883	95501	< 10.		UG/KG	12/06/89		o-Dichlorobenzene (1,2)
85FS-5	89.15883	541731	< 10.		UG/KG	12/06/89		m-Dichlorobenzene (1,3)

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85FS-5	89.15883	106467	< 10.		UG/KG	12/06/89	p-Dichlorobenzene (1,4)
85FS-5	89.15883	75343	< 10.		UG/KG	12/06/89	1,1-Dichloroethane
85FS-5	89.15883	107062	< 10.		UG/KG	12/06/89	1,2-Dichloroethane
85FS-5	89.15883	156605	< 10.		UG/KG	12/06/89	trans-1,2-Dichloroethene
85FS-5	89.15883	75354	< 10.		UG/KG	12/06/89	1,1-Dichloroethene
85FS-5	89.15883	156592	< 10.		UG/KG	12/06/89	cis-1,2-Dichloroethylene
85FS-5	89.15883	142289	< 10.		UG/KG	12/06/89	1,3-Dichloropropane
85FS-5	89.15883	78875	< 10.		UG/KG	12/06/89	1,2-Dichloropropane
85FS-5	89.15883	594207	< 10.		UG/KG	12/06/89	2,2-Dichloropropane
85FS-5	89.15883	10061015	< 10.		UG/KG	12/06/89	cis-1,3-Dichloropropene
85FS-5	89.15883	10061026	< 10.		UG/KG	12/06/89	trans-1,3-Dichloropropene
85FS-5	89.15883	563586	< 10.		UG/KG	12/06/89	1,1-Dichloropropene
85FS-5	89.15883	100414	< 10.		UG/KG	12/06/89	Ethylbenzene
85FS-5	89.15883	107062	< 10.		UG/KG	12/06/89	Ethylene chloride
85FS-5	89.15883	87683	< 10.		UG/KG	12/06/89	Hexachlorobutadiene
85FS-5	89.15883	591786	< 20.		UG/KG	12/06/89	2-Hexanone
85FS-5	89.15883	98828	< 10.		UG/KG	12/06/89	Isopropylbenzene
85FS-5	89.15883	99876	< 10.		UG/KG	12/06/89	4-Isopropyltoluene
85FS-5	89.15883	108101	< 20.		UG/KG	12/06/89	4-Methyl-2-pentanone
85FS-5	89.15883	75092	< 10.		UG/KG	12/06/89	Methylene chloride
85FS-5	89.15883	91203	< 10.		UG/KG	12/06/89	Naphthalene
85FS-5	89.15883	103651	< 10.		UG/KG	12/06/89	Propylbenzene
85FS-5	89.15883	100425	< 10.		UG/KG	12/06/89	Styrene
85FS-5	89.15883	79345	< 10.		UG/KG	12/06/89	1,1,2,2-Tetrachloroethane
85FS-5	89.15883	630206	< 10.		UG/KG	12/06/89	1,1,1,2-Tetrachloroethane
85FS-5	89.15883	127184	< 10.		UG/KG	12/06/89	Tetrachloroethylene
85FS-5	89.15883	108883	< 10.		UG/KG	12/06/89	Toluene
85FS-5	89.15883	120821	< 10.		UG/KG	12/06/89	1,2,4-Trichlorobenzene
85FS-5	89.15883	87616	< 10.		UG/KG	12/06/89	1,2,3-Trichlorobenzene
85FS-5	89.15883	79005	< 10.		UG/KG	12/06/89	1,1,2-Trichloroethane
85FS-5	89.15883	71556	< 10.		UG/KG	12/06/89	1,1,1-Trichloroethane
85FS-5	89.15883	79016	< 10.		UG/KG	12/06/89	Trichloroethene
85FS-5	89.15883	75694	< 10.		UG/KG	12/06/89	Trichlorofluoromethane
85FS-5	89.15883	96184	< 10.		UG/KG	12/06/89	1,2,3-Trichloropropane
85FS-5	89.15883	95636	< 10.		UG/KG	12/06/89	1,2,4-Trimethylbenzene
85FS-5	89.15883	108678	< 10.		UG/KG	12/06/89	1,3,5-Trimethylbenzene
85FS-5	89.15883	108054	< 10.		UG/KG	12/06/89	Vinyl acetate
85FS-5	89.15883	75014	< 20.		UG/KG	12/06/89	Vinyl chloride
85FS-5	89.15883	95476	30.7	9.2	UG/KG	12/06/89	o-Xylene
85FS-5	89.15883	1330207	25.4	7.6	UG/KG	12/06/89	Mixed-Xylenes (m ± p)

DRAFT

REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-6	89.15884	67641	300.	90.	UG/KG	12/06/89		Acetone
85FS-6	89.15884	71432	< 10.		UG/KG	12/06/89		Benzene
85FS-6	89.15884	108861	< 10.		UG/KG	12/06/89		Bromobenzene
85FS-6	89.15884	74975	< 10.		UG/KG	12/06/89		Bromochloromethane
85FS-6	89.15884	75274	< 10.		UG/KG	12/06/89		Bromodichloromethane
85FS-6	89.15884	75252	< 10.		UG/KG	12/06/89		Bromoform
85FS-6	89.15884	74839	< 20.		UG/KG	12/06/89		Bromomethane
85FS-6	89.15884	78933	< 20.		UG/KG	12/06/89		2-Butanone
85FS-6	89.15884	135988	< 10.		UG/KG	12/06/89		sec-Butylbenzene
85FS-6	89.15884	98066	< 10.		UG/KG	12/06/89		tert-Butylbenzene
85FS-6	89.15884	104518	< 10.		UG/KG	12/06/89		n-Butylbenzene
85FS-6	89.15884	75150	< 10.		UG/KG	12/06/89		Carbon disulfide
85FS-6	89.15884	56235	< 10.		UG/KG	12/06/89		Carbon tetrachloride
85FS-6	89.15884	108907	< 10.		UG/KG	12/06/89		Chlorobenzene
85FS-6	89.15884	124481	< 10.		UG/KG	12/06/89		Chlorodibromomethane
85FS-6	89.15884	75003	< 20.		UG/KG	12/06/89		Chloroethane
85FS-6	89.15884	67663	< 10.		UG/KG	12/06/89		Chloroform
85FS-6	89.15884	74873	< 20.		UG/KG	12/06/89		Chloromethane
85FS-6	89.15884	106434	< 10.		UG/KG	12/06/89		p-Chlorotoluene
85FS-6	89.15884	95498	< 10.		UG/KG	12/06/89		o-Chlorotoluene
85FS-6	89.15884	96128	< 10.		UG/KG	12/06/89		1,2-Dibromo-3-chloropropane
85FS-6	89.15884	106934	< 10.		UG/KG	12/06/89		1,2-Dibromoethane
85FS-6	89.15884	74953	< 10.		UG/KG	12/06/89		Dibromomethane
85FS-6	89.15884	95501	< 10.		UG/KG	12/06/89		o-Dichlorobenzene (1,2)
85FS-6	89.15884	541731	< 10.		UG/KG	12/06/89		m-Dichlorobenzene (1,3)

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85FS-6	89.15884	106467	< 10.		UG/KG	12/06/89	p-Dichlorobenzene (1,4)
85FS-6	89.15884	107062	< 10.		UG/KG	12/06/89	1,2-Dichloroethane
85FS-6	89.15884	75343	< 10.		UG/KG	12/06/89	1,1-Dichloroethane
85FS-6	89.15884	156605	< 10.		UG/KG	12/06/89	trans-1,2-Dichloroethene
85FS-6	89.15884	75354	< 10.		UG/KG	12/06/89	1,1-Dichloroethene
85FS-6	89.15884	156592	< 10.		UG/KG	12/06/89	cis-1,2-Dichloroethylene
85FS-6	89.15884	78875	< 10.		UG/KG	12/06/89	1,2-Dichloropropane
85FS-6	89.15884	594207	< 10.		UG/KG	12/06/89	2,2-Dichloropropane
85FS-6	89.15884	142289	< 10.		UG/KG	12/06/89	1,3-Dichloropropane
85FS-6	89.15884	563586	< 10.		UG/KG	12/06/89	1,1-Dichloropropene
85FS-6	89.15884	10061026	< 10.		UG/KG	12/06/89	trans-1,3-Dichloropropene
85FS-6	89.15884	10061015	< 10.		UG/KG	12/06/89	cis-1,3-Dichloropropene
85FS-6	89.15884	100414	< 10.		UG/KG	12/06/89	Ethylbenzene
85FS-6	89.15884	107062	< 10.		UG/KG	12/06/89	Ethylene chloride
85FS-6	89.15884	87683	< 10.		UG/KG	12/06/89	Hexachlorobutadiene
85FS-6	89.15884	591786	< 20.		UG/KG	12/06/89	2-Hexanone
85FS-6	89.15884	98828	< 10.		UG/KG	12/06/89	Isopropylbenzene
85FS-6	89.15884	99876	< 10.		UG/KG	12/06/89	4-Isopropyltoluene
85FS-6	89.15884	108101	< 20.		UG/KG	12/06/89	4-Methyl-2-pentanone
85FS-6	89.15884	75092	< 10.		UG/KG	12/06/89	Methylene chloride
85FS-6	89.15884	91203	< 10.		UG/KG	12/06/89	Naphthalene
85FS-6	89.15884	103651	< 10.		UG/KG	12/06/89	Propylbenzene
85FS-6	89.15884	100425	< 10.		UG/KG	12/06/89	Styrene
85FS-6	89.15884	630206	< 10.		UG/KG	12/06/89	1,1,1,2-Tetrachloroethane
85FS-6	89.15884	79345	< 10.		UG/KG	12/06/89	1,1,2,2-Tetrachloroethane
85FS-6	89.15884	127184	< 10.		UG/KG	12/06/89	Tetrachloroethylene
85FS-6	89.15884	108883	< 10.		UG/KG	12/06/89	Toluene
85FS-6	89.15884	120821	< 10.		UG/KG	12/06/89	1,2,4-Trichlorobenzene
85FS-6	89.15884	87616	< 10.		UG/KG	12/06/89	1,2,3-Trichlorobenzene
85FS-6	89.15884	71556	11.2	3.4	UG/KG	12/06/89	1,1,1-Trichloroethane
85FS-6	89.15884	79005	< 10.		UG/KG	12/06/89	1,1,2-Trichloroethane
85FS-6	89.15884	79016	< 10.		UG/KG	12/06/89	Trichloroethene
85FS-6	89.15884	75694	< 10.		UG/KG	12/06/89	Trichlorofluoromethane
85FS-6	89.15884	96184	< 10.		UG/KG	12/06/89	1,2,3-Trichloropropane
85FS-6	89.15884	95636	< 10.		UG/KG	12/06/89	1,2,4-Trimethylbenzene
85FS-6	89.15884	108678	< 10.		UG/KG	12/06/89	1,3,5-Trimethylbenzene
85FS-6	89.15884	108054	< 10.		UG/KG	12/06/89	Vinyl acetate
85FS-6	89.15884	75014	< 20.		UG/KG	12/06/89	Vinyl chloride
85FS-6	89.15884	95476	26.9	8.1	UG/KG	12/06/89	o-Xylene
85FS-6	89.15884	1330207	57.2	17.2	UG/KG	12/06/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-7	89.15885	67641	102.	30.6	UG/KG	12/07/89		Acetone
85FS-7	89.15885	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-7	89.15885	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-7	89.15885	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-7	89.15885	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-7	89.15885	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-7	89.15885	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-7	89.15885	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-7	89.15885	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-7	89.15885	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-7	89.15885	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-7	89.15885	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-7	89.15885	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-7	89.15885	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-7	89.15885	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-7	89.15885	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-7	89.15885	67663	26.7	8.	UG/KG	12/07/89		Chloroform
85FS-7	89.15885	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-7	89.15885	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-7	89.15885	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-7	89.15885	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-7	89.15885	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-7	89.15885	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-7	89.15885	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-7	89.15885	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-7	89.15885	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-7	89.15885	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-7	89.15885	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-7	89.15885	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-7	89.15885	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-7	89.15885	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-7	89.15885	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-7	89.15885	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-7	89.15885	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-7	89.15885	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-7	89.15885	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-7	89.15885	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-7	89.15885	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-7	89.15885	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-7	89.15885	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-7	89.15885	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-7	89.15885	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-7	89.15885	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-7	89.15885	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-7	89.15885	75092	< 10.		UG/KG	12/07/89	Methylene chloride
85FS-7	89.15885	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-7	89.15885	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-7	89.15885	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-7	89.15885	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-7	89.15885	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-7	89.15885	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-7	89.15885	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-7	89.15885	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-7	89.15885	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-7	89.15885	71556	< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-7	89.15885	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-7	89.15885	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-7	89.15885	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-7	89.15885	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-7	89.15885	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-7	89.15885	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-7	89.15885	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-7	89.15885	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-7	89.15885	95476	12.3	3.7	UG/KG	12/07/89	o-Xylene
85FS-7	89.15885	1330207	< 10.		UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-8	89.15886	67641	1010.	303.	UG/KG	12/07/89		Acetone
85FS-8	89.15886	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-8	89.15886	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-8	89.15886	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-8	89.15886	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-8	89.15886	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-8	89.15886	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-8	89.15886	78933	57.7	17.3	UG/KG	12/07/89		2-Butanone
85FS-8	89.15886	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-8	89.15886	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-8	89.15886	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-8	89.15886	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-8	89.15886	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-8	89.15886	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-8	89.15886	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-8	89.15886	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-8	89.15886	67663	29.2	8.8	UG/KG	12/07/89		Chloroform
85FS-8	89.15886	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-8	89.15886	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-8	89.15886	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-8	89.15886	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-8	89.15886	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-8	89.15886	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-8	89.15886	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-8	89.15886	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-8	89.15886	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-8	89.15886	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-8	89.15886	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-8	89.15886	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-8	89.15886	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-8	89.15886	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-8	89.15886	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-8	89.15886	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-8	89.15886	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-8	89.15886	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-8	89.15886	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-8	89.15886	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-8	89.15886	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-8	89.15886	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-8	89.15886	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-8	89.15886	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-8	89.15886	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-8	89.15886	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-8	89.15886	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-8	89.15886	75092	< 10.		UG/KG	12/07/89	Methylene chloride
85FS-8	89.15886	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-8	89.15886	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-8	89.15886	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-8	89.15886	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-8	89.15886	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-8	89.15886	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-8	89.15886	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-8	89.15886	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-8	89.15886	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-8	89.15886	71556	19.4	5.8	UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-8	89.15886	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-8	89.15886	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-8	89.15886	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-8	89.15886	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-8	89.15886	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-8	89.15886	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-8	89.15886	108054	94.7	28.41	UG/KG	12/07/89	Vinyl acetate
85FS-8	89.15886	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-8	89.15886	95476	26.9	8.1	UG/KG	12/07/89	o-Xylene
85FS-8	89.15886	1330207	< 10.		UG/KG	12/07/89	Mixed-Xylenes (m ± p)

DRAFT

REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-9	89.15887	67641	1660.	498.	UG/KG	12/07/89		Acetone
85FS-9	89.15887	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-9	89.15887	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-9	89.15887	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-9	89.15887	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-9	89.15887	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-9	89.15887	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-9	89.15887	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-9	89.15887	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-9	89.15887	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-9	89.15887	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-9	89.15887	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-9	89.15887	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-9	89.15887	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-9	89.15887	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-9	89.15887	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-9	89.15887	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-9	89.15887	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-9	89.15887	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-9	89.15887	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-9	89.15887	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-9	89.15887	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-9	89.15887	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-9	89.15887	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-9	89.15887	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-9	89.15887	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-9	89.15887	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-9	89.15887	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-9	89.15887	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-9	89.15887	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-9	89.15887	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-9	89.15887	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-9	89.15887	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-9	89.15887	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-9	89.15887	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-9	89.15887	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-9	89.15887	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-9	89.15887	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-9	89.15887	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-9	89.15887	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-9	89.15887	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-9	89.15887	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-9	89.15887	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-9	89.15887	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-9	89.15887	75092	< 10.		UG/KG	12/07/89	Methylene chloride
85FS-9	89.15887	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-9	89.15887	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-9	89.15887	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-9	89.15887	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-9	89.15887	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-9	89.15887	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-9	89.15887	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-9	89.15887	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-9	89.15887	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-9	89.15887	71556	17.4	5.22	UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-9	89.15887	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-9	89.15887	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-9	89.15887	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-9	89.15887	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-9	89.15887	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-9	89.15887	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-9	89.15887	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-9	89.15887	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-9	89.15887	95476	58.3	17.5	UG/KG	12/07/89	o-Xylene
85FS-9	89.15887	1330207	44.8	13.4	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-10	89.15888	67641	110.	33.	UG/KG	12/07/89		Acetone
85FS-10	89.15888	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-10	89.15888	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-10	89.15888	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-10	89.15888	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-10	89.15888	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-10	89.15888	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-10	89.15888	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-10	89.15888	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-10	89.15888	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-10	89.15888	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-10	89.15888	75150	31.5	9.5	UG/KG	12/07/89		Carbon disulfide
85FS-10	89.15888	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-10	89.15888	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-10	89.15888	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-10	89.15888	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-10	89.15888	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-10	89.15888	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-10	89.15888	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-10	89.15888	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-10	89.15888	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-10	89.15888	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-10	89.15888	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-10	89.15888	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-10	89.15888	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-10	89.15888	106467		< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-10	89.15888	75343		< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-10	89.15888	107062		< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-10	89.15888	75354		< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-10	89.15888	156605		< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-10	89.15888	156592		< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-10	89.15888	142289		< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-10	89.15888	78875		< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-10	89.15888	594207		< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-10	89.15888	10061015		< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-10	89.15888	10061026		< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-10	89.15888	563586		< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-10	89.15888	100414		< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-10	89.15888	107062		< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-10	89.15888	87683		< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-10	89.15888	591786		< 20.		UG/KG	12/07/89	2-Hexanone
85FS-10	89.15888	98828		< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-10	89.15888	99876		< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-10	89.15888	108101		< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-10	89.15888	75092		< 10.		UG/KG	12/07/89	Methylene chloride
85FS-10	89.15888	91203		< 10.		UG/KG	12/07/89	Naphthalene
85FS-10	89.15888	608935	TI			UG/KG	12/07/89	Pentachlorobenzene
85FS-10	89.15888	103651		< 10.		UG/KG	12/07/89	Propylbenzene
85FS-10	89.15888	100425		< 10.		UG/KG	12/07/89	Styrene
85FS-10	89.15888	79345		< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-10	89.15888	630206		< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-10	89.15888	127184		< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-10	89.15888	108883		< 10.		UG/KG	12/07/89	Toluene
85FS-10	89.15888	120821		< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-10	89.15888	87616		< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-10	89.15888	79005		< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-10	89.15888	71556		< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-10	89.15888	79016		< 10.		UG/KG	12/07/89	Trichloroethene
85FS-10	89.15888	75694		< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-10	89.15888	96184		< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-10	89.15888	95636		< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-10	89.15888	108678		< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-10	89.15888	108054		< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-10	89.15888	75014		< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-10	89.15888	95476		25.8	7.7	UG/KG	12/07/89	o-Xylene
85FS-10	89.15888	1330207		26.9	8.1	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-11	89.15889	67641	94.5	28.4	UG/KG	12/07/89		Acetone
85FS-11	89.15889	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-11	89.15889	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-11	89.15889	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-11	89.15889	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-11	89.15889	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-11	89.15889	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-11	89.15889	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-11	89.15889	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-11	89.15889	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-11	89.15889	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-11	89.15889	75150	33.4	10.	UG/KG	12/07/89		Carbon disulfide
85FS-11	89.15889	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-11	89.15889	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-11	89.15889	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-11	89.15889	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-11	89.15889	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-11	89.15889	74873	64.1	19.2	UG/KG	12/07/89		Chloromethane
85FS-11	89.15889	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-11	89.15889	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-11	89.15889	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-11	89.15889	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-11	89.15889	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-11	89.15889	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-11	89.15889	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-11	89.15889	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-11	89.15889	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-11	89.15889	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-11	89.15889	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-11	89.15889	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-11	89.15889	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-11	89.15889	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-11	89.15889	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-11	89.15889	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-11	89.15889	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-11	89.15889	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-11	89.15889	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-11	89.15889	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-11	89.15889	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-11	89.15889	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-11	89.15889	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-11	89.15889	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-11	89.15889	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-11	89.15889	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-11	89.15889	75092	< 10.		UG/KG	12/07/89	Methylene chloride
85FS-11	89.15889	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-11	89.15889	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-11	89.15889	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-11	89.15889	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-11	89.15889	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-11	89.15889	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-11	89.15889	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-11	89.15889	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-11	89.15889	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-11	89.15889	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-11	89.15889	71556	< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-11	89.15889	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-11	89.15889	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-11	89.15889	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-11	89.15889	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-11	89.15889	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-11	89.15889	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-11	89.15889	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-11	89.15889	95476	23.9	7.2	UG/KG	12/07/89	o-Xylene
85FS-11	89.15889	1330207	25.5	7.7	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

DRAFT

REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS		RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-12	89.15890	67641		147.	44.1	UG/KG	12/07/89		Acetone
85FS-12	89.15890	71432		< 10.		UG/KG	12/07/89		Benzene
85FS-12	89.15890	108861		< 10.		UG/KG	12/07/89		Bromobenzene
85FS-12	89.15890	74975		< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-12	89.15890	75274		< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-12	89.15890	75252		< 10.		UG/KG	12/07/89		Bromoform
85FS-12	89.15890	74839		< 20.		UG/KG	12/07/89		Bromomethane
85FS-12	89.15890	78933		< 20.		UG/KG	12/07/89		2-Butanone
85FS-12	89.15890	98066		< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-12	89.15890	135988		< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-12	89.15890	104518		< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-12	89.15890	75150		< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-12	89.15890	56235		< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-12	89.15890	108907		< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-12	89.15890	124481		< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-12	89.15890	75003		< 20.		UG/KG	12/07/89		Chloroethane
85FS-12	89.15890	67663		< 10.		UG/KG	12/07/89		Chloroform
85FS-12	89.15890	74873		64.3	19.3	UG/KG	12/07/89		Chloromethane
85FS-12	89.15890	106434		< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-12	89.15890	95498		< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-12	89.15890	112312	TI			UG/KG	12/07/89		Decanal
85FS-12	89.15890	96128		< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-12	89.15890	106934		< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-12	89.15890	74953		< 10.		UG/KG	12/07/89		Dibromomethane
85FS-12	89.15890	95501		< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)

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85FS-12	89.15890	541731		< 10.	UG/KG	12/07/89	m-Dichlorobenzene (1,3)
85FS-12	89.15890	106467		< 10.	UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-12	89.15890	75343		< 10.	UG/KG	12/07/89	1,1-Dichloroethane
85FS-12	89.15890	107062		< 10.	UG/KG	12/07/89	1,2-Dichloroethane
85FS-12	89.15890	75354		< 10.	UG/KG	12/07/89	1,1-Dichloroethene
85FS-12	89.15890	156605		< 10.	UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-12	89.15890	156592		< 10.	UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-12	89.15890	78875		< 10.	UG/KG	12/07/89	1,2-Dichloropropane
85FS-12	89.15890	142289		< 10.	UG/KG	12/07/89	1,3-Dichloropropane
85FS-12	89.15890	594207		< 10.	UG/KG	12/07/89	2,2-Dichloropropane
85FS-12	89.15890	10061026		< 10.	UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-12	89.15890	563586		< 10.	UG/KG	12/07/89	1,1-Dichloropropene
85FS-12	89.15890	10061015		< 10.	UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-12	89.15890	100414		< 10.	UG/KG	12/07/89	Ethylbenzene
85FS-12	89.15890	107062		< 10.	UG/KG	12/07/89	Ethylene chloride
85FS-12	89.15890	87683		< 10.	UG/KG	12/07/89	Hexachlorobutadiene
85FS-12	89.15890	591786		< 20.	UG/KG	12/07/89	2-Hexanone
85FS-12	89.15890	98828		< 10.	UG/KG	12/07/89	Isopropylbenzene
85FS-12	89.15890	99876		< 10.	UG/KG	12/07/89	4-Isopropyltoluene
85FS-12	89.15890	108101		< 20.	UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-12	89.15890	74630527	TI		ug/kg UG/KG	12/07/89	6-Methyl-3-undecene
85FS-12	89.15890	75092		< 10.	UG/KG	12/07/89	Methylene chloride
85FS-12	89.15890	91203		< 10.	UG/KG	12/07/89	Naphthalene
85FS-12	89.15890	124196	TI		UG/KG	12/07/89	Nonanal
85FS-12	89.15890	124130	TI		UG/KG	12/07/89	Octanal
85FS-12	89.15890	103651		< 10.	UG/KG	12/07/89	Propylbenzene
85FS-12	89.15890	100425		< 10.	UG/KG	12/07/89	Styrene
85FS-12	89.15890	630206		< 10.	UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-12	89.15890	79345		< 10.	UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-12	89.15890	127184		< 10.	UG/KG	12/07/89	Tetrachloroethylene
85FS-12	89.15890	108883		< 10.	UG/KG	12/07/89	Toluene
85FS-12	89.15890	120821		< 10.	UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-12	89.15890	87616		< 10.	UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-12	89.15890	71556		< 10.	UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-12	89.15890	79005		< 10.	UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-12	89.15890	79016		< 10.	UG/KG	12/07/89	Trichloroethene
85FS-12	89.15890	75694		< 10.	UG/KG	12/07/89	Trichlorofluoromethane
85FS-12	89.15890	96184		< 10.	UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-12	89.15890	95636		< 10.	UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-12	89.15890	108678		< 10.	UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-12	89.15890	108054		< 10.	UG/KG	12/07/89	Vinyl acetate
85FS-12	89.15890	75014		< 20.	UG/KG	12/07/89	Vinyl chloride
85FS-12	89.15890	95476		< 10.	UG/KG	12/07/89	o-Xylene
85FS-12	89.15890	1330207		< 10.	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-13	89.15891	67641	< 20.		UG/KG	12/07/89		Acetone
85FS-13	89.15891	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-13	89.15891	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-13	89.15891	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-13	89.15891	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-13	89.15891	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-13	89.15891	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-13	89.15891	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-13	89.15891	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-13	89.15891	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-13	89.15891	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-13	89.15891	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-13	89.15891	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-13	89.15891	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-13	89.15891	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-13	89.15891	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-13	89.15891	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-13	89.15891	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-13	89.15891	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-13	89.15891	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-13	89.15891	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-13	89.15891	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-13	89.15891	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-13	89.15891	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-13	89.15891	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-13	89.15891	106467	< 10.	UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-13	89.15891	75343	< 10.	UG/KG	12/07/89	1,1-Dichloroethane
85FS-13	89.15891	107062	< 10.	UG/KG	12/07/89	1,2-Dichloroethane
85FS-13	89.15891	156605	< 10.	UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-13	89.15891	75354	< 10.	UG/KG	12/07/89	1,1-Dichloroethene
85FS-13	89.15891	156592	< 10.	UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-13	89.15891	142289	< 10.	UG/KG	12/07/89	1,3-Dichloropropane
85FS-13	89.15891	78875	< 10.	UG/KG	12/07/89	1,2-Dichloropropane
85FS-13	89.15891	594207	< 10.	UG/KG	12/07/89	2,2-Dichloropropane
85FS-13	89.15891	563586	< 10.	UG/KG	12/07/89	1,1-Dichloropropene
85FS-13	89.15891	10061026	< 10.	UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-13	89.15891	10061015	< 10.	UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-13	89.15891	100414	< 10.	UG/KG	12/07/89	Ethylbenzene
85FS-13	89.15891	107062	< 10.	UG/KG	12/07/89	Ethylene chloride
85FS-13	89.15891	87683	< 10.	UG/KG	12/07/89	Hexachlorobutadiene
85FS-13	89.15891	591786	< 20.	UG/KG	12/07/89	2-Hexanone
85FS-13	89.15891	98828	< 10.	UG/KG	12/07/89	Isopropylbenzene
85FS-13	89.15891	99876	< 10.	UG/KG	12/07/89	4-Isopropyltoluene
85FS-13	89.15891	108101	< 20.	UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-13	89.15891	75092	< 10.	UG/KG	12/07/89	Methylene chloride
85FS-13	89.15891	91203	< 10.	UG/KG	12/07/89	Naphthalene
85FS-13	89.15891	103651	< 10.	UG/KG	12/07/89	Propylbenzene
85FS-13	89.15891	100425	< 10.	UG/KG	12/07/89	Styrene
85FS-13	89.15891	79345	< 10.	UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-13	89.15891	630206	< 10.	UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-13	89.15891	127184	< 10.	UG/KG	12/07/89	Tetrachloroethylene
85FS-13	89.15891	108883	< 10.	UG/KG	12/07/89	Toluene
85FS-13	89.15891	87616	< 10.	UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-13	89.15891	120821	< 10.	UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-13	89.15891	71556	< 10.	UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-13	89.15891	79005	< 10.	UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-13	89.15891	79016	< 10.	UG/KG	12/07/89	Trichloroethene
85FS-13	89.15891	75694	< 10.	UG/KG	12/07/89	Trichlorofluoromethane
85FS-13	89.15891	96184	< 10.	UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-13	89.15891	108678	< 10.	UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-13	89.15891	95636	< 10.	UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-13	89.15891	108054	< 10.	UG/KG	12/07/89	Vinyl acetate
85FS-13.	89.15891	75014	< 20.	UG/KG	12/07/89	Vinyl chloride
85FS-13	89.15891	95476	< 10.	UG/KG	12/07/89	o-Xylene
85FS-13	89.15891	1330207	< 10.	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-14	89.15892	67641	< 20.		UG/KG	12/07/89		Acetone
85FS-14	89.15892	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-14	89.15892	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-14	89.15892	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-14	89.15892	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-14	89.15892	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-14	89.15892	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-14	89.15892	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-14	89.15892	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-14	89.15892	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-14	89.15892	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-14	89.15892	75150	10.5	3.2	UG/KG	12/07/89		Carbon disulfide
85FS-14	89.15892	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-14	89.15892	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-14	89.15892	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-14	89.15892	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-14	89.15892	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-14	89.15892	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-14	89.15892	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-14	89.15892	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-14	89.15892	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-14	89.15892	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-14	89.15892	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-14	89.15892	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-14	89.15892	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-14	89.15892	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-14	89.15892	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-14	89.15892	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-14	89.15892	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-14	89.15892	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-14	89.15892	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-14	89.15892	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-14	89.15892	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-14	89.15892	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-14	89.15892	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-14	89.15892	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-14	89.15892	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-14	89.15892	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-14	89.15892	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-14	89.15892	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-14	89.15892	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-14	89.15892	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-14	89.15892	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-14	89.15892	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-14	89.15892	75092	< 10.		UG/KG	12/07/89	Methylene chloride
85FS-14	89.15892	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-14	89.15892	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-14	89.15892	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-14	89.15892	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-14	89.15892	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-14	89.15892	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-14	89.15892	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-14	89.15892	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-14	89.15892	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-14	89.15892	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-14	89.15892	71556	< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-14	89.15892	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-14	89.15892	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-14	89.15892	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-14	89.15892	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-14	89.15892	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-14	89.15892	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-14	89.15892	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-14	89.15892	95476	19.3	5.8	UG/KG	12/07/89	o-Xylene
85FS-14	89.15892	1330207	13.8	4.1	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

DRAFT

REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-15	89.15893	67641	< 20.		UG/KG	12/07/89		Acetone
85FS-15	89.15893	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-15	89.15893	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-15	89.15893	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-15	89.15893	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-15	89.15893	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-15	89.15893	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-15	89.15893	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-15	89.15893	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-15	89.15893	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-15	89.15893	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-15	89.15893	75150	11.1	3.3	UG/KG	12/07/89		Carbon disulfide
85FS-15	89.15893	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-15	89.15893	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-15	89.15893	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-15	89.15893	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-15	89.15893	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-15	89.15893	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-15	89.15893	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-15	89.15893	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-15	89.15893	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-15	89.15893	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-15	89.15893	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-15	89.15893	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-15	89.15893	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-15	89.15893	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-15	89.15893	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-15	89.15893	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-15	89.15893	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-15	89.15893	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-15	89.15893	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-15	89.15893	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-15	89.15893	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-15	89.15893	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-15	89.15893	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-15	89.15893	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-15	89.15893	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-15	89.15893	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-15	89.15893	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-15	89.15893	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-15	89.15893	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-15	89.15893	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-15	89.15893	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-15	89.15893	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-15	89.15893	75092	< 10.		UG/KG	12/07/89	Methylene chloride
85FS-15	89.15893	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-15	89.15893	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-15	89.15893	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-15	89.15893	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-15	89.15893	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-15	89.15893	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-15	89.15893	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-15	89.15893	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-15	89.15893	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-15	89.15893	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-15	89.15893	71556	< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-15	89.15893	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-15	89.15893	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-15	89.15893	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-15	89.15893	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-15	89.15893	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-15	89.15893	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-15	89.15893	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-15	89.15893	95476	18.1	5.4	UG/KG	12/07/89	o-Xylene
85FS-15	89.15893	1330207	11.6	3.5	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-16	89.15894	67641	400.	120.	UG/KG	12/07/89		Acetone
85FS-16	89.15894	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-16	89.15894	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-16	89.15894	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-16	89.15894	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-16	89.15894	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-16	89.15894	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-16	89.15894	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-16	89.15894	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-16	89.15894	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-16	89.15894	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-16	89.15894	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-16	89.15894	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-16	89.15894	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-16	89.15894	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-16	89.15894	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-16	89.15894	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-16	89.15894	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-16	89.15894	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-16	89.15894	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-16	89.15894	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-16	89.15894	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-16	89.15894	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-16	89.15894	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-16	89.15894	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-16	89.15894	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-16	89.15894	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-16	89.15894	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-16	89.15894	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-16	89.15894	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-16	89.15894	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-16	89.15894	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-16	89.15894	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-16	89.15894	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-16	89.15894	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-16	89.15894	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-16	89.15894	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-16	89.15894	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-16	89.15894	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-16	89.15894	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-16	89.15894	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-16	89.15894	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-16	89.15894	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-16	89.15894	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-16	89.15894	75092	< 10.		UG/KG	12/07/89	Methylene chloride
85FS-16	89.15894	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-16	89.15894	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-16	89.15894	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-16	89.15894	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-16	89.15894	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-16	89.15894	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-16	89.15894	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-16	89.15894	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-16	89.15894	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-16	89.15894	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-16	89.15894	71556	< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-16	89.15894	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-16	89.15894	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-16	89.15894	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-16	89.15894	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-16	89.15894	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-16	89.15894	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-16	89.15894	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-16	89.15894	95476	55.4	16.6	UG/KG	12/07/89	o-Xylene
85FS-16	89.15894	1330207	74.7	22.4	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-17	89.15895	67641	371.	111.3	UG/KG	12/07/89		Acetone
85FS-17	89.15895	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-17	89.15895	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-17	89.15895	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-17	89.15895	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-17	89.15895	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-17	89.15895	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-17	89.15895	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-17	89.15895	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-17	89.15895	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-17	89.15895	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-17	89.15895	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-17	89.15895	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-17	89.15895	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-17	89.15895	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-17	89.15895	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-17	89.15895	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-17	89.15895	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-17	89.15895	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-17	89.15895	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-17	89.15895	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-17	89.15895	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-17	89.15895	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-17	89.15895	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-17	89.15895	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-17	89.15895	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-17	89.15895	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-17	89.15895	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-17	89.15895	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-17	89.15895	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-17	89.15895	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-17	89.15895	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-17	89.15895	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-17	89.15895	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-17	89.15895	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-17	89.15895	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-17	89.15895	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-17	89.15895	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-17	89.15895	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-17	89.15895	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-17	89.15895	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-17	89.15895	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-17	89.15895	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-17	89.15895	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-17	89.15895	75092	28.8	8.6	UG/KG	12/07/89	Methylene chloride
85FS-17	89.15895	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-17	89.15895	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-17	89.15895	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-17	89.15895	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-17	89.15895	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-17	89.15895	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-17	89.15895	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-17	89.15895	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-17	89.15895	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-17	89.15895	71556	< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-17	89.15895	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-17	89.15895	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-17	89.15895	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-17	89.15895	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-17	89.15895	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-17	89.15895	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-17	89.15895	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-17	89.15895	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-17	89.15895	95476	< 10.		UG/KG	12/07/89	o-Xylene
85FS-17	89.15895	1330207	< 10.		UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-18	89.15896	67641	339.	101.7	UG/KG	12/07/89		Acetone
85FS-18	89.15896	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-18	89.15896	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-18	89.15896	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-18	89.15896	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-18	89.15896	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-18	89.15896	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-18	89.15896	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-18	89.15896	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-18	89.15896	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-18	89.15896	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-18	89.15896	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-18	89.15896	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-18	89.15896	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-18	89.15896	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-18	89.15896	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-18	89.15896	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-18	89.15896	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-18	89.15896	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-18	89.15896	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-18	89.15896	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-18	89.15896	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-18	89.15896	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-18	89.15896	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-18	89.15896	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-18	89.15896	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-18	89.15896	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-18	89.15896	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-18	89.15896	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-18	89.15896	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-18	89.15896	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-18	89.15896	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-18	89.15896	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-18	89.15896	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-18	89.15896	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-18	89.15896	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-18	89.15896	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-18	89.15896	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-18	89.15896	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-18	89.15896	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-18	89.15896	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-18	89.15896	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-18	89.15896	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-18	89.15896	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-18	89.15896	75092	< 10.		UG/KG	12/07/89	Methylene chloride
85FS-18	89.15896	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-18	89.15896	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-18	89.15896	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-18	89.15896	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-18	89.15896	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-18	89.15896	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-18	89.15896	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-18	89.15896	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-18	89.15896	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-18	89.15896	71556	< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-18	89.15896	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-18	89.15896	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-18	89.15896	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-18	89.15896	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-18	89.15896	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-18	89.15896	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-18	89.15896	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-18	89.15896	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-18	89.15896	95476	41.1	12.3	UG/KG	12/07/89	o-Xylene
85FS-18	89.15896	1330207	65.1	19.5	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-19	89.15897	67641	324.	97.2	UG/KG	12/07/89		Acetone
85FS-19	89.15897	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-19	89.15897	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-19	89.15897	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-19	89.15897	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-19	89.15897	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-19	89.15897	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-19	89.15897	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-19	89.15897	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-19	89.15897	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-19	89.15897	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-19	89.15897	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-19	89.15897	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-19	89.15897	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-19	89.15897	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-19	89.15897	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-19	89.15897	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-19	89.15897	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-19	89.15897	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-19	89.15897	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-19	89.15897	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-19	89.15897	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-19	89.15897	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-19	89.15897	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-19	89.15897	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-19	89.15897	106467	< 10.	UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-19	89.15897	75343	< 10.	UG/KG	12/07/89	1,1-Dichloroethane
85FS-19	89.15897	107062	< 10.	UG/KG	12/07/89	1,2-Dichloroethane
85FS-19	89.15897	75354	< 10.	UG/KG	12/07/89	1,1-Dichloroethene
85FS-19	89.15897	156605	< 10.	UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-19	89.15897	156592	< 10.	UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-19	89.15897	594207	< 10.	UG/KG	12/07/89	2,2-Dichloropropane
85FS-19	89.15897	142289	< 10.	UG/KG	12/07/89	1,3-Dichloropropane
85FS-19	89.15897	78875	< 10.	UG/KG	12/07/89	1,2-Dichloropropane
85FS-19	89.15897	563586	< 10.	UG/KG	12/07/89	1,1-Dichloropropene
85FS-19	89.15897	10061015	< 10.	UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-19	89.15897	10061026	< 10.	UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-19	89.15897	100414	< 10.	UG/KG	12/07/89	Ethylbenzene
85FS-19	89.15897	107062	< 10.	UG/KG	12/07/89	Ethylene chloride
85FS-19	89.15897	87683	< 10.	UG/KG	12/07/89	Hexachlorobutadiene
85FS-19	89.15897	591786	< 20.	UG/KG	12/07/89	2-Hexanone
85FS-19	89.15897	98828	< 10.	UG/KG	12/07/89	Isopropylbenzene
85FS-19	89.15897	99876	< 10.	UG/KG	12/07/89	4-Isopropyltoluene
85FS-19	89.15897	108101	< 20.	UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-19	89.15897	75092	< 10.	UG/KG	12/07/89	Methylene chloride
85FS-19	89.15897	91203	< 10.	UG/KG	12/07/89	Naphthalene
85FS-19	89.15897	103651	< 10.	UG/KG	12/07/89	Propylbenzene
85FS-19	89.15897	100425	< 10.	UG/KG	12/07/89	Styrene
85FS-19	89.15897	79345	< 10.	UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-19	89.15897	630206	< 10.	UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-19	89.15897	127184	< 10.	UG/KG	12/07/89	Tetrachloroethylene
85FS-19	89.15897	108883	< 10.	UG/KG	12/07/89	Toluene
85FS-19	89.15897	87616	< 10.	UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-19	89.15897	120821	< 10.	UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-19	89.15897	79005	< 10.	UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-19	89.15897	71556	< 10.	UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-19	89.15897	79016	< 10.	UG/KG	12/07/89	Trichloroethene
85FS-19	89.15897	75694	< 10.	UG/KG	12/07/89	Trichlorofluoromethane
85FS-19	89.15897	96184	< 10.	UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-19	89.15897	95636	< 10.	UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-19	89.15897	108678	< 10.	UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-19	89.15897	108054	< 10.	UG/KG	12/07/89	Vinyl acetate
85FS-19	89.15897	75014	< 20.	UG/KG	12/07/89	Vinyl chloride
85FS-19	89.15897	95476	< 10.	UG/KG	12/07/89	o-Xylene
85FS-19	89.15897	1330207	< 10.	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-20	89.15898	67641	2680.	804.	UG/KG	12/07/89		Acetone
85FS-20	89.15898	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-20	89.15898	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-20	89.15898	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-20	89.15898	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-20	89.15898	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-20	89.15898	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-20	89.15898	78933	67.6	20.3	UG/KG	12/07/89		2-Butanone
85FS-20	89.15898	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-20	89.15898	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-20	89.15898	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-20	89.15898	75150	59.8	17.9	UG/KG	12/07/89		Carbon disulfide
85FS-20	89.15898	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-20	89.15898	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-20	89.15898	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-20	89.15898	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-20	89.15898	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-20	89.15898	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-20	89.15898	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-20	89.15898	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-20	89.15898	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-20	89.15898	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-20	89.15898	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-20	89.15898	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-20	89.15898	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-20	89.15898	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-20	89.15898	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-20	89.15898	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-20	89.15898	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-20	89.15898	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-20	89.15898	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-20	89.15898	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-20	89.15898	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-20	89.15898	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-20	89.15898	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-20	89.15898	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-20	89.15898	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-20	89.15898	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-20	89.15898	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-20	89.15898	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-20	89.15898	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-20	89.15898	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-20	89.15898	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-20	89.15898	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-20	89.15898	75092	< 10.		UG/KG	12/07/89	Methylene chloride
85FS-20	89.15898	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-20	89.15898	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-20	89.15898	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-20	89.15898	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-20	89.15898	630206	< 10.		UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-20	89.15898	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-20	89.15898	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-20	89.15898	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-20	89.15898	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-20	89.15898	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-20	89.15898	71556	< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-20	89.15898	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-20	89.15898	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-20	89.15898	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-20	89.15898	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-20	89.15898	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-20	89.15898	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-20	89.15898	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-20	89.15898	95476	62.9	18.9	UG/KG	12/07/89	o-Xylene
85FS-20	89.15898	1330207	81.	24.3	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-21	89.15899	67641	855.	256.5	UG/KG	12/07/89		Acetone
85FS-21	89.15899	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-21	89.15899	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-21	89.15899	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-21	89.15899	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-21	89.15899	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-21	89.15899	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-21	89.15899	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-21	89.15899	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-21	89.15899	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-21	89.15899	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-21	89.15899	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-21	89.15899	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-21	89.15899	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-21	89.15899	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-21	89.15899	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-21	89.15899	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-21	89.15899	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-21	89.15899	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-21	89.15899	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-21	89.15899	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-21	89.15899	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-21	89.15899	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-21	89.15899	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-21	89.15899	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-21	89.15899	106467	< 10.	UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-21	89.15899	107062	< 10.	UG/KG	12/07/89	1,2-Dichloroethane
85FS-21	89.15899	75343	< 10.	UG/KG	12/07/89	1,1-Dichloroethane
85FS-21	89.15899	75354	< 10.	UG/KG	12/07/89	1,1-Dichloroethene
85FS-21	89.15899	156605	< 10.	UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-21	89.15899	156592	< 10.	UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-21	89.15899	78875	< 10.	UG/KG	12/07/89	1,2-Dichloropropane
85FS-21	89.15899	142289	< 10.	UG/KG	12/07/89	1,3-Dichloropropane
85FS-21	89.15899	594207	< 10.	UG/KG	12/07/89	2,2-Dichloropropane
85FS-21	89.15899	563586	< 10.	UG/KG	12/07/89	1,1-Dichloropropene
85FS-21	89.15899	10061026	< 10.	UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-21	89.15899	10061015	< 10.	UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-21	89.15899	100414	< 10.	UG/KG	12/07/89	Ethylbenzene
85FS-21	89.15899	107062	< 10.	UG/KG	12/07/89	Ethylene chloride
85FS-21	89.15899	87683	< 10.	UG/KG	12/07/89	Hexachlorobutadiene
85FS-21	89.15899	591786	< 20.	UG/KG	12/07/89	2-Hexanone
85FS-21	89.15899	98828	< 10.	UG/KG	12/07/89	Isopropylbenzene
85FS-21	89.15899	99876	< 10.	UG/KG	12/07/89	4-Isopropyltoluene
85FS-21	89.15899	108101	< 20.	UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-21	89.15899	75092	< 10.	UG/KG	12/07/89	Methylene chloride
85FS-21	89.15899	91203	< 10.	UG/KG	12/07/89	Naphthalene
85FS-21	89.15899	103651	< 10.	UG/KG	12/07/89	Propylbenzene
85FS-21	89.15899	100425	< 10.	UG/KG	12/07/89	Styrene
85FS-21	89.15899	79345	< 10.	UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-21	89.15899	630206	< 10.	UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-21	89.15899	127184	< 10.	UG/KG	12/07/89	Tetrachloroethylene
85FS-21	89.15899	108883	< 10.	UG/KG	12/07/89	Toluene
85FS-21	89.15899	87616	< 10.	UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-21	89.15899	120821	< 10.	UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-21	89.15899	71556	< 10.	UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-21	89.15899	79005	< 10.	UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-21	89.15899	79016	< 10.	UG/KG	12/07/89	Trichloroethene
85FS-21	89.15899	75694	< 10.	UG/KG	12/07/89	Trichlorofluoromethane
85FS-21	89.15899	96184	< 10.	UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-21	89.15899	95636	< 10.	UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-21	89.15899	108678	< 10.	UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-21	89.15899	108054	< 10.	UG/KG	12/07/89	Vinyl acetate
85FS-21	89.15899	75014	< 20.	UG/KG	12/07/89	Vinyl chloride
85FS-21	89.15899	95476	< 10.	UG/KG	12/07/89	o-Xylene
85FS-21	89.15899	1330207	< 10.	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-22	89.15900	67641	232.	69.6	UG/KG	12/07/89		Acetone
85FS-22	89.15900	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-22	89.15900	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-22	89.15900	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-22	89.15900	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-22	89.15900	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-22	89.15900	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-22	89.15900	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-22	89.15900	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-22	89.15900	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-22	89.15900	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-22	89.15900	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-22	89.15900	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-22	89.15900	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-22	89.15900	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-22	89.15900	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-22	89.15900	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-22	89.15900	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-22	89.15900	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-22	89.15900	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-22	89.15900	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-22	89.15900	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-22	89.15900	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-22	89.15900	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-22	89.15900	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-22	89.15900	106467	< 10.		UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-22	89.15900	107062	< 10.		UG/KG	12/07/89	1,2-Dichloroethane
85FS-22	89.15900	75343	< 10.		UG/KG	12/07/89	1,1-Dichloroethane
85FS-22	89.15900	75354	< 10.		UG/KG	12/07/89	1,1-Dichloroethene
85FS-22	89.15900	156605	< 10.		UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-22	89.15900	156592	< 10.		UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-22	89.15900	78875	< 10.		UG/KG	12/07/89	1,2-Dichloropropane
85FS-22	89.15900	594207	< 10.		UG/KG	12/07/89	2,2-Dichloropropane
85FS-22	89.15900	142289	< 10.		UG/KG	12/07/89	1,3-Dichloropropane
85FS-22	89.15900	10061015	< 10.		UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-22	89.15900	563586	< 10.		UG/KG	12/07/89	1,1-Dichloropropene
85FS-22	89.15900	10061026	< 10.		UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-22	89.15900	100414	< 10.		UG/KG	12/07/89	Ethylbenzene
85FS-22	89.15900	107062	< 10.		UG/KG	12/07/89	Ethylene chloride
85FS-22	89.15900	87683	< 10.		UG/KG	12/07/89	Hexachlorobutadiene
85FS-22	89.15900	591786	< 20.		UG/KG	12/07/89	2-Hexanone
85FS-22	89.15900	98828	< 10.		UG/KG	12/07/89	Isopropylbenzene
85FS-22	89.15900	99876	< 10.		UG/KG	12/07/89	4-Isopropyltoluene
85FS-22	89.15900	108101	< 20.		UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-22	89.15900	75092	28.7	8.6	UG/KG	12/07/89	Methylene chloride
85FS-22	89.15900	91203	< 10.		UG/KG	12/07/89	Naphthalene
85FS-22	89.15900	103651	< 10.		UG/KG	12/07/89	Propylbenzene
85FS-22	89.15900	100425	< 10.		UG/KG	12/07/89	Styrene
85FS-22	89.15900	630206	77.5	23.3	UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-22	89.15900	79345	< 10.		UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-22	89.15900	127184	< 10.		UG/KG	12/07/89	Tetrachloroethylene
85FS-22	89.15900	108883	< 10.		UG/KG	12/07/89	Toluene
85FS-22	89.15900	87616	< 10.		UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-22	89.15900	120821	< 10.		UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-22	89.15900	79005	< 10.		UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-22	89.15900	71556	< 10.		UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-22	89.15900	79016	< 10.		UG/KG	12/07/89	Trichloroethene
85FS-22	89.15900	75694	< 10.		UG/KG	12/07/89	Trichlorofluoromethane
85FS-22	89.15900	96184	< 10.		UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-22	89.15900	95636	< 10.		UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-22	89.15900	108678	< 10.		UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-22	89.15900	108054	< 10.		UG/KG	12/07/89	Vinyl acetate
85FS-22	89.15900	75014	< 20.		UG/KG	12/07/89	Vinyl chloride
85FS-22	89.15900	95476	< 10.		UG/KG	12/07/89	o-Xylene
85FS-22	89.15900	1330207	< 10.		UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-23	89.15901	67641	83.2	25.	UG/KG	12/07/89		Acetone
85FS-23	89.15901	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-23	89.15901	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-23	89.15901	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-23	89.15901	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-23	89.15901	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-23	89.15901	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-23	89.15901	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-23	89.15901	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-23	89.15901	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-23	89.15901	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-23	89.15901	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-23	89.15901	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-23	89.15901	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-23	89.15901	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-23	89.15901	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-23	89.15901	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-23	89.15901	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-23	89.15901	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-23	89.15901	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-23	89.15901	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-23	89.15901	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-23	89.15901	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-23	89.15901	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-23	89.15901	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-23	89.15901	106467	< 10.	UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-23	89.15901	107062	< 10.	UG/KG	12/07/89	1,2-Dichloroethane
85FS-23	89.15901	75343	< 10.	UG/KG	12/07/89	1,1-Dichloroethane
85FS-23	89.15901	156605	< 10.	UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-23	89.15901	75354	< 10.	UG/KG	12/07/89	1,1-Dichloroethene
85FS-23	89.15901	156592	< 10.	UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-23	89.15901	142289	< 10.	UG/KG	12/07/89	1,3-Dichloropropane
85FS-23	89.15901	78875	< 10.	UG/KG	12/07/89	1,2-Dichloropropane
85FS-23	89.15901	594207	< 10.	UG/KG	12/07/89	2,2-Dichloropropane
85FS-23	89.15901	10061015	< 10.	UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-23	89.15901	563586	< 10.	UG/KG	12/07/89	1,1-Dichloropropene
85FS-23	89.15901	10061026	< 10.	UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-23	89.15901	100414	< 10.	UG/KG	12/07/89	Ethylbenzene
85FS-23	89.15901	107062	< 10.	UG/KG	12/07/89	Ethylene chloride
85FS-23	89.15901	87683	< 10.	UG/KG	12/07/89	Hexachlorobutadiene
85FS-23	89.15901	591786	< 20.	UG/KG	12/07/89	2-Hexanone
85FS-23	89.15901	98828	< 10.	UG/KG	12/07/89	Isopropylbenzene
85FS-23	89.15901	99876	< 10.	UG/KG	12/07/89	4-Isopropyltoluene
85FS-23	89.15901	108101	< 20.	UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-23	89.15901	75092	< 10.	UG/KG	12/07/89	Methylene chloride
85FS-23	89.15901	91203	< 10.	UG/KG	12/07/89	Naphthalene
85FS-23	89.15901	103651	< 10.	UG/KG	12/07/89	Propylbenzene
85FS-23	89.15901	100425	< 10.	UG/KG	12/07/89	Styrene
85FS-23	89.15901	630206	< 10.	UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-23	89.15901	79345	< 10.	UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-23	89.15901	127184	< 10.	UG/KG	12/07/89	Tetrachloroethylene
85FS-23	89.15901	108883	< 10.	UG/KG	12/07/89	Toluene
85FS-23	89.15901	120821	< 10.	UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-23	89.15901	87616	< 10.	UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-23	89.15901	71556	< 10.	UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-23	89.15901	79005	< 10.	UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-23	89.15901	79016	< 10.	UG/KG	12/07/89	Trichloroethene
85FS-23	89.15901	75694	< 10.	UG/KG	12/07/89	Trichlorofluoromethane
85FS-23	89.15901	96184	< 10.	UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-23	89.15901	108678	< 10.	UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-23	89.15901	95636	< 10.	UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-23	89.15901	108054	< 10.	UG/KG	12/07/89	Vinyl acetate
85FS-23	89.15901	75014	< 20.	UG/KG	12/07/89	Vinyl chloride
85FS-23	89.15901	95476	< 10.	UG/KG	12/07/89	o-Xylene
85FS-23	89.15901	1330207	< 10.	UG/KG	12/07/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5135

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-24	89.15902	67641	108.	32.4	UG/KG	12/07/89		Acetone
85FS-24	89.15902	71432	< 10.		UG/KG	12/07/89		Benzene
85FS-24	89.15902	108861	< 10.		UG/KG	12/07/89		Bromobenzene
85FS-24	89.15902	74975	< 10.		UG/KG	12/07/89		Bromochloromethane
85FS-24	89.15902	75274	< 10.		UG/KG	12/07/89		Bromodichloromethane
85FS-24	89.15902	75252	< 10.		UG/KG	12/07/89		Bromoform
85FS-24	89.15902	74839	< 20.		UG/KG	12/07/89		Bromomethane
85FS-24	89.15902	78933	< 20.		UG/KG	12/07/89		2-Butanone
85FS-24	89.15902	135988	< 10.		UG/KG	12/07/89		sec-Butylbenzene
85FS-24	89.15902	104518	< 10.		UG/KG	12/07/89		n-Butylbenzene
85FS-24	89.15902	98066	< 10.		UG/KG	12/07/89		tert-Butylbenzene
85FS-24	89.15902	75150	< 10.		UG/KG	12/07/89		Carbon disulfide
85FS-24	89.15902	56235	< 10.		UG/KG	12/07/89		Carbon tetrachloride
85FS-24	89.15902	108907	< 10.		UG/KG	12/07/89		Chlorobenzene
85FS-24	89.15902	124481	< 10.		UG/KG	12/07/89		Chlorodibromomethane
85FS-24	89.15902	75003	< 20.		UG/KG	12/07/89		Chloroethane
85FS-24	89.15902	67663	< 10.		UG/KG	12/07/89		Chloroform
85FS-24	89.15902	74873	< 20.		UG/KG	12/07/89		Chloromethane
85FS-24	89.15902	106434	< 10.		UG/KG	12/07/89		p-Chlorotoluene
85FS-24	89.15902	95498	< 10.		UG/KG	12/07/89		o-Chlorotoluene
85FS-24	89.15902	96128	< 10.		UG/KG	12/07/89		1,2-Dibromo-3-chloropropane
85FS-24	89.15902	106934	< 10.		UG/KG	12/07/89		1,2-Dibromoethane
85FS-24	89.15902	74953	< 10.		UG/KG	12/07/89		Dibromomethane
85FS-24	89.15902	95501	< 10.		UG/KG	12/07/89		o-Dichlorobenzene (1,2)
85FS-24	89.15902	541731	< 10.		UG/KG	12/07/89		m-Dichlorobenzene (1,3)

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85FS-24	89.15902	106467	< 10.	UG/KG	12/07/89	p-Dichlorobenzene (1,4)
85FS-24	89.15902	75343	< 10.	UG/KG	12/07/89	1,1-Dichloroethane
85FS-24	89.15902	107062	< 10.	UG/KG	12/07/89	1,2-Dichloroethane
85FS-24	89.15902	75354	< 10.	UG/KG	12/07/89	1,1-Dichloroethene
85FS-24	89.15902	156605	< 10.	UG/KG	12/07/89	trans-1,2-Dichloroethene
85FS-24	89.15902	156592	< 10.	UG/KG	12/07/89	cis-1,2-Dichloroethylene
85FS-24	89.15902	78875	< 10.	UG/KG	12/07/89	1,2-Dichloropropane
85FS-24	89.15902	594207	< 10.	UG/KG	12/07/89	2,2-Dichloropropane
85FS-24	89.15902	142289	< 10.	UG/KG	12/07/89	1,3-Dichloropropane
85FS-24	89.15902	10061015	< 10.	UG/KG	12/07/89	cis-1,3-Dichloropropene
85FS-24	89.15902	10061026	< 10.	UG/KG	12/07/89	trans-1,3-Dichloropropene
85FS-24	89.15902	563586	< 10.	UG/KG	12/07/89	1,1-Dichloropropene
85FS-24	89.15902	100414	< 10.	UG/KG	12/07/89	Ethylbenzene
85FS-24	89.15902	107062	< 10.	UG/KG	12/07/89	Ethylene chloride
85FS-24	89.15902	87683	< 10.	UG/KG	12/07/89	Hexachlorobutadiene
85FS-24	89.15902	591786	< 20.	UG/KG	12/07/89	2-Hexanone
85FS-24	89.15902	98828	< 10.	UG/KG	12/07/89	Isopropylbenzene
85FS-24	89.15902	99876	< 10.	UG/KG	12/07/89	4-Isopropyltoluene
85FS-24	89.15902	108101	< 20.	UG/KG	12/07/89	4-Methyl-2-pentanone
85FS-24	89.15902	75092	< 10.	UG/KG	12/07/89	Methylene chloride
85FS-24	89.15902	91203	< 10.	UG/KG	12/07/89	Naphthalene
85FS-24	89.15902	103651	< 10.	UG/KG	12/07/89	Propylbenzene
85FS-24	89.15902	100425	< 10.	UG/KG	12/07/89	Styrene
85FS-24	89.15902	79345	< 10.	UG/KG	12/07/89	1,1,2,2-Tetrachloroethane
85FS-24	89.15902	630206	< 10.	UG/KG	12/07/89	1,1,1,2-Tetrachloroethane
85FS-24	89.15902	127184	< 10.	UG/KG	12/07/89	Tetrachloroethylene
85FS-24	89.15902	108883	< 10.	UG/KG	12/07/89	Toluene
85FS-24	89.15902	120821	< 10.	UG/KG	12/07/89	1,2,4-Trichlorobenzene
85FS-24	89.15902	87616	< 10.	UG/KG	12/07/89	1,2,3-Trichlorobenzene
85FS-24	89.15902	71556	< 10.	UG/KG	12/07/89	1,1,1-Trichloroethane
85FS-24	89.15902	79005	< 10.	UG/KG	12/07/89	1,1,2-Trichloroethane
85FS-24	89.15902	79016	< 10.	UG/KG	12/07/89	Trichloroethene
85FS-24	89.15902	75694	< 10.	UG/KG	12/07/89	Trichlorofluoromethane
85FS-24	89.15902	96184	< 10.	UG/KG	12/07/89	1,2,3-Trichloropropane
85FS-24	89.15902	108678	< 10.	UG/KG	12/07/89	1,3,5-Trimethylbenzene
85FS-24	89.15902	95636	< 10.	UG/KG	12/07/89	1,2,4-Trimethylbenzene
85FS-24	89.15902	108054	< 10.	UG/KG	12/07/89	Vinyl acetate
85FS-24	89.15902	75014	< 20.	UG/KG	12/07/89	Vinyl chloride
85FS-24	89.15902	95476	< 10.	UG/KG	12/07/89	o-Xylene
85FS-24	89.15902	1330207	< 10.	UG/KG	12/07/89	Mixed xylenes (m + p)

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REPORT NUMBER: 5135 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: DLN on 18-Dec-1989

EPA VOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND
00.20060	00.20060	67641	727.	218.1	UG/KG			12/07/89	OUT OF CONTROL	Acetone
00.20060	00.20060	71432	19.9	6.	UG/KG	131.	13.	12/07/89	OUT OF CONTROL	Benzene
00.20060	00.20060	108861	< 10.		UG/KG			12/07/89	UNDER CONTROL	Bromobenzene
00.20060	00.20060	74975	< 10.		UG/KG			12/07/89	UNDER CONTROL	Bromochloromethane
00.20060	00.20060	75274	< 10.		UG/KG			12/07/89	UNDER CONTROL	Bromodichloromethane
00.20060	00.20060	75252	< 10.		UG/KG			12/07/89	UNDER CONTROL	Bromoform
00.20060	00.20060	74839	< 20.		UG/KG			12/07/89	UNDER CONTROL	Bromomethane
00.20060	00.20060	78933	55.2	16.6	UG/KG			12/07/89	OUT OF CONTROL	2-Butanone
00.20060	00.20060	135988	14.9	4.5	UG/KG			12/07/89	OUT OF CONTROL	sec-Butylbenzene
00.20060	00.20060	104518	49.3	14.8	UG/KG	156.	16.	12/07/89	OUT OF CONTROL	n-Butylbenzene
00.20060	00.20060	98066	17.2	5.2	UG/KG			12/07/89	OUT OF CONTROL	tert-Butylbenzene
00.20060	00.20060	75150	< 10.		UG/KG			12/07/89	UNDER CONTROL	Carbon disulfide
00.20060	00.20060	56235	< 10.		UG/KG			12/07/89	UNDER CONTROL	Carbon tetrachloride
00.20060	00.20060	108907	< 10.		UG/KG			12/07/89	UNDER CONTROL	Chlorobenzene
00.20060	00.20060	124481	< 10.		UG/KG			12/07/89	UNDER CONTROL	Chlorodibromomethane
00.20060	00.20060	75003	< 20.		UG/KG			12/07/89	UNDER CONTROL	Chloroethane
00.20060	00.20060	67663	< 10.		UG/KG			12/07/89	UNDER CONTROL	Chloroform
00.20060	00.20060	74873	< 20.		UG/KG			12/07/89	UNDER CONTROL	Chloromethane
00.20060	00.20060	106434	< 10.		UG/KG			12/07/89	UNDER CONTROL	p-Chlorotoluene
00.20060	00.20060	95498	< 10.		UG/KG			12/07/89	UNDER CONTROL	o-Chlorotoluene
00.20060	00.20060	96128	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,2-Dibromo-3-chloropropane

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00.20060	00.20060	106934	86.6	26.	UG/KG	156.	16.	12/07/89	WARNING 2-3 SIG	1,2-Dibromoethane
00.20060	00.20060	74953	< 10.		UG/KG			12/07/89	UNDER CONTROL	Dibromomethane
00.20060	00.20060	95501	< 10.		UG/KG			12/07/89	UNDER CONTROL	o-Dichlorobenzene (1,2)
00.20060	00.20060	541731	< 10.		UG/KG			12/07/89	UNDER CONTROL	m-Dichlorobenzene (1,3)
00.20060	00.20060	106467	< 10.		UG/KG			12/07/89	UNDER CONTROL	p-Dichlorobenzene (1,4)
00.20060	00.20060	107062	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,2-Dichloroethane
00.20060	00.20060	75343	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,1-Dichloroethane
00.20060	00.20060	156605	< 10.		UG/KG			12/07/89	UNDER CONTROL	trans-1,2-Dichloroethene
00.20060	00.20060	75354	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,1-Dichloroethene
00.20060	00.20060	156592	< 10.		UG/KG			12/07/89	UNDER CONTROL	cis-1,2-Dichloroethylene
00.20060	00.20060	142289	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,3-Dichloropropane
00.20060	00.20060	594207	< 10.		UG/KG			12/07/89	UNDER CONTROL	2,2-Dichloropropane
00.20060	00.20060	78875	64.2	19.3	UG/KG	120.	12.	12/07/89	WARNING 2-3 SIG	1,2-Dichloropropane
00.20060	00.20060	563586	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,1-Dichloropropene
00.20060	00.20060	10061026	< 10.		UG/KG			12/07/89	UNDER CONTROL	trans-1,3-Dichloropropene
00.20060	00.20060	10061015	< 10.		UG/KG			12/07/89	UNDER CONTROL	cis-1,3-Dichloropropene
00.20060	00.20060	100414	< 10.		UG/KG			12/07/89	UNDER CONTROL	Ethylbenzene
00.20060	00.20060	107062	< 10.		UG/KG			12/07/89	UNDER CONTROL	Ethylene chloride
00.20060	00.20060	87683	83.3	25.	UG/KG	147.	15.	12/07/89	WARNING 2-3 SIG	Hexachlorobutadiene
00.20060	00.20060	591786	42.8	12.8	UG/KG			12/07/89	OUT OF CONTROL	2-Hexanone
00.20060	00.20060	98828	< 10.		UG/KG			12/07/89	UNDER CONTROL	Isopropylbenzene
00.20060	00.20060	99876	< 10.		UG/KG			12/07/89	UNDER CONTROL	4-Isopropyltoluene
00.20060	00.20060	108101	< 20.		UG/KG			12/07/89	UNDER CONTROL	4-Methyl-2-pentanone
00.20060	00.20060	75092	< 10.		UG/KG			12/07/89	UNDER CONTROL	Methylene chloride
00.20060	00.20060	91203	< 10.		UG/KG			12/07/89	UNDER CONTROL	Naphthalene
00.20060	00.20060	103651	43.8	13.1	UG/KG	122.	12.	12/07/89	OUT OF CONTROL	Propylbenzene
00.20060	00.20060	100425	70.3	21.1	UG/KG	123.	12.	12/07/89	WARNING 2-3 SIG	Styrene
00.20060	00.20060	630206	95.8	28.7	UG/KG	135.	14.	12/07/89	UNDER CONTROL	1,1,1,2-Tetrachloroethane
00.20060	00.20060	79345	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,1,2,2-Tetrachloroethane
00.20060	00.20060	127184	86.4	25.9	UG/KG	134.	13.	12/07/89	UNDER CONTROL	Tetrachloroethylene
00.20060	00.20060	108883	< 10.		UG/KG			12/07/89	UNDER CONTROL	Toluene
00.20060	00.20060	87616	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,2,3-Trichlorobenzene
00.20060	00.20060	120821	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,2,4-Trichlorobenzene
00.20060	00.20060	71556	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,1,1-Trichloroethane
00.20060	00.20060	79005	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,1,2-Trichloroethane
00.20060	00.20060	79016	< 10.		UG/KG			12/07/89	UNDER CONTROL	Trichloroethene
00.20060	00.20060	75694	< 10.		UG/KG			12/07/89	UNDER CONTROL	Trichlorofluoromethane
00.20060	00.20060	96184	< 10.		UG/KG			12/07/89	UNDER CONTROL	1,2,3-Trichloropropane
00.20060	00.20060	108678	10.7	3.2	UG/KG			12/07/89	OUT OF CONTROL	1,3,5-Trimethylbenzene
00.20060	00.20060	95636	53.7	16.1	UG/KG	128.	13.	12/07/89	OUT OF CONTROL	1,2,4-Trimethylbenzene
00.20060	00.20060	108054	96.6	29.	UG/KG			12/07/89	OUT OF CONTROL	Vinyl acetate
00.20060	00.20060	75014	< 20.		UG/KG			12/07/89	UNDER CONTROL	Vinyl chloride
00.20060	00.20060	95476	< 10.		UG/KG			12/07/89	UNDER CONTROL	o-Xylene
00.20060	00.20060	1330207	38.1	11.4	UG/KG	143.	14.	12/07/89	OUT OF CONTROL	Mixed-Xylenes (m ± p)

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The following analyst QA's have no CV data for comparison

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

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND-NAME
89.15905	67641	845.	253.5	UG/KG	12/07/89	OUT OF CONTROL	Acetone
89.15905	71432	107.	32.1	UG/KG	12/07/89	UNDER CONTROL	Benzene
89.15905	108861	< 10.		UG/KG	12/07/89	UNDER CONTROL	Bromobenzene
89.15905	74975	< 10.		UG/KG	12/07/89	UNDER CONTROL	Bromochloromethane
89.15905	75274	< 10.		UG/KG	12/07/89	UNDER CONTROL	Bromodichloromethane
89.15905	75252	< 10.		UG/KG	12/07/89	UNDER CONTROL	Bromoform
89.15905	74839	< 20.		UG/KG	12/07/89	UNDER CONTROL	Bromomethane
89.15905	78933	69.4	20.8	UG/KG	12/07/89	OUT OF CONTROL	2-Butanone
89.15905	98066	< 10.		UG/KG	12/07/89	UNDER CONTROL	tert-Butylbenzene
89.15905	135988	< 10.		UG/KG	12/07/89	UNDER CONTROL	sec-Butylbenzene
89.15905	104518	74.5	22.4	UG/KG	12/07/89	WARNING 2-3 SIG	n-Butylbenzene
89.15905	75150	< 10.		UG/KG	12/07/89	UNDER CONTROL	Carbon disulfide
89.15905	56235	< 10.		UG/KG	12/07/89	UNDER CONTROL	Carbon tetrachloride
89.15905	108907	< 10.		UG/KG	12/07/89	UNDER CONTROL	Chlorobenzene
89.15905	124481	< 10.		UG/KG	12/07/89	UNDER CONTROL	Chlorodibromomethane
89.15905	75003	< 20.		UG/KG	12/07/89	UNDER CONTROL	Chloroethane
89.15905	67663	< 10.		UG/KG	12/07/89	UNDER CONTROL	Chloroform
89.15905	74873	< 20.		UG/KG	12/07/89	UNDER CONTROL	Chloromethane
89.15905	106434	< 10.		UG/KG	12/07/89	UNDER CONTROL	p-Chlorotoluene
89.15905	95498	< 10.		UG/KG	12/07/89	UNDER CONTROL	o-Chlorotoluene
89.15905	96128	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,2-Dibromo-3-chloropropane
89.15905	106934	130.	39.	UG/KG	12/07/89	UNDER CONTROL	1,2-Dibromoethane
89.15905	74953	< 10.		UG/KG	12/07/89	UNDER CONTROL	Dibromomethane
89.15905	95501	< 10.		UG/KG	12/07/89	UNDER CONTROL	o-Dichlorobenzene (1,2)
89.15905	541731	< 10.		UG/KG	12/07/89	UNDER CONTROL	m-Dichlorobenzene (1,3)
89.15905	106467	< 10.		UG/KG	12/07/89	UNDER CONTROL	p-Dichlorobenzene (1,4)
89.15905	75343	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,1-Dichloroethane
89.15905	107062	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,2-Dichloroethane
89.15905	75354	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,1-Dichloroethene
89.15905	156605	< 10.		UG/KG	12/07/89	UNDER CONTROL	trans-1,2-Dichloroethene
89.15905	156592	< 10.		UG/KG	12/07/89	UNDER CONTROL	cis-1,2-Dichloroethylene

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89.15905	142289	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,3-Dichloropropane
89.15905	78875	93.3	28.	UG/KG	12/07/89	UNDER CONTROL	1,2-Dichloropropane
89.15905	594207	< 10.		UG/KG	12/07/89	UNDER CONTROL	2,2-Dichloropropane
89.15905	10061015	< 10.		UG/KG	12/07/89	UNDER CONTROL	cis-1,3-Dichloropropene
89.15905	10061026	< 10.		UG/KG	12/07/89	UNDER CONTROL	trans-1,3-Dichloropropene
89.15905	563586	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,1-Dichloropropene
89.15905	100414	< 10.		UG/KG	12/07/89	UNDER CONTROL	Ethylbenzene
89.15905	107062	< 10.		UG/KG	12/07/89	UNDER CONTROL	Ethylene chloride
89.15905	87683	61.9	18.6	UG/KG	12/07/89	OUT OF CONTROL	Hexachlorobutadiene
89.15905	591786	80.7	24.2	UG/KG	12/07/89	OUT OF CONTROL	2-Hexanone
89.15905	98828	< 10.		UG/KG	12/07/89	UNDER CONTROL	Isopropylbenzene
89.15905	99876	< 10.		UG/KG	12/07/89	UNDER CONTROL	4-Isopropyltoluene
89.15905	108101	< 20.		UG/KG	12/07/89	UNDER CONTROL	4-Methyl-2-pentanone
89.15905	75092	< 10.		UG/KG	12/07/89	UNDER CONTROL	Methylene chloride
89.15905	91203	< 10.		UG/KG	12/07/89	UNDER CONTROL	Naphthalene
89.15905	103651	60.9	18.3	UG/KG	12/07/89	WARNING 2-3 SIG	Propylbenzene
89.15905	100425	93.2	28.	UG/KG	12/07/89	UNDER CONTROL	Styrene
89.15905	630206	116.	34.8	UG/KG	12/07/89	UNDER CONTROL	1,1,1,2-Tetrachloroethane
89.15905	79345	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,1,2,2-Tetrachloroethane
89.15905	127184	108.	32.4	UG/KG	12/07/89	UNDER CONTROL	Tetrachloroethylene
89.15905	108883	< 10.		UG/KG	12/07/89	UNDER CONTROL	Toluene
89.15905	120821	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,2,4-Trichlorobenzene
89.15905	87616	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,2,3-Trichlorobenzene
89.15905	71556	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,1,1-Trichloroethane
89.15905	79005	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,1,2-Trichloroethane
89.15905	79016	< 10.		UG/KG	12/07/89	UNDER CONTROL	Trichloroethene
89.15905	75694	< 10.		UG/KG	12/07/89	UNDER CONTROL	Trichlorofluoromethane
89.15905	96184	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,2,3-Trichloropropane
89.15905	95636	79.4	23.8	UG/KG	12/07/89	UNDER CONTROL	1,2,4-Trimethylbenzene
89.15905	108678	< 10.		UG/KG	12/07/89	UNDER CONTROL	1,3,5-Trimethylbenzene
89.15905	108054	101.	30.3	UG/KG	12/07/89	OUT OF CONTROL	Vinyl acetate
89.15905	75014	< 20.		UG/KG	12/07/89	UNDER CONTROL	Vinyl chloride
89.15905	95476	103.	30.9	UG/KG	12/07/89	OUT OF CONTROL	o-Xylene
89.15905	1330207	79.3	23.8	UG/KG	12/07/89	NO DATA AVAIL.	Mixed-Xylenes (m ± p)

SURROGATE RESULTS FOR EPA VOLATILES

1,2-Dichloroethane d4 (CAS # = 17060070); EPA Range Limits: Water = 76-114 %, Soil = 70-121 %

SAMPLE NUMBER	RESULT	UNITS	COMPLETION DATE	COMMENT
00.20060	80.	%	12/07/89	
89.15879	41.	%	12/06/89	
89.15880	40.	%	12/06/89	

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89.15881	68.	%	12/06/89
89.15882	71.	%	12/06/89
89.15883	62.	%	12/06/89
89.15884	71.	%	12/06/89
89.15885	60.	%	12/07/89
89.15886	82.	%	12/07/89
89.15887	44.	%	12/07/89
89.15888	56.	%	12/07/89
89.15889	179.	%	12/07/89
89.15890	184.	%	12/07/89
89.15891	156.	%	12/07/89
89.15892	128.	%	12/07/89
89.15893	104.	%	12/07/89
89.15894	42.	%	12/07/89
89.15895	132.	%	12/07/89
89.15896	51.	%	12/07/89
89.15897	142.	%	12/07/89
89.15898	180.	%	12/07/89
89.15899	177.	%	12/07/89
89.15900	138.	%	12/07/89
89.15901	122.	%	12/07/89
89.15902	148.	%	12/07/89
89.15905	39.	%	12/07/89

Toluene d8 (CAS # = 2037265); EPA Range Limits: Water = 88-110 %, Soil = 81-117 %

SAMPLE NUMBER	RESULT	UNITS	COMPLETION DATE	COMMENT
00.20060	110.	%	12/07/89	
89.15879	54.	%	12/06/89	
89.15880	52.	%	12/06/89	
89.15881	56.	%	12/06/89	
89.15882	54.	%	12/06/89	
89.15883	54.	%	12/06/89	
89.15884	58.	%	12/06/89	
89.15885	51.	%	12/07/89	
89.15886	40.	%	12/07/89	
89.15887	51.	%	12/07/89	
89.15888	54.	%	12/07/89	
89.15889	110.	%	12/07/89	
89.15890	110.	%	12/07/89	
89.15891	115.	%	12/07/89	
89.15892	127.	%	12/07/89	
89.15893	119.	%	12/07/89	

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89.15894	120.	%	12/07/89
89.15895	102.	%	12/07/89
89.15896	108.	%	12/07/89
89.15897	111.	%	12/07/89
89.15898	422.	%	12/07/89
89.15899	88.	%	12/07/89
89.15900	106.	%	12/07/89
89.15901	119.	%	12/07/89
89.15902	186.	%	12/07/89
89.15905	117.	%	12/07/89

4-Bromofluorobenzene (CAS # = 460004); EPA Range Limits: Water = 86-115 %, Soil = 74-121 %

SAMPLE NUMBER	RESULT	UNITS	COMPLETION DATE	COMMENT
00.20060	150.	%	12/07/89	
89.15879	60.	%	12/06/89	
89.15880	64.	%	12/06/89	
89.15881	43.	%	12/06/89	
89.15882	53.	%	12/06/89	
89.15883	54.	%	12/06/89	
89.15884	51.	%	12/06/89	
89.15885	53.	%	12/07/89	
89.15886	25.	%	12/07/89	
89.15887	48.	%	12/07/89	
89.15888	46.	%	12/07/89	
89.15889	98.	%	12/07/89	
89.15890	106.	%	12/07/89	
89.15891	198.	%	12/07/89	
89.15892	205.	%	12/07/89	
89.15893	251.	%	12/07/89	
89.15894	120.	%	12/07/89	
89.15895	77.	%	12/07/89	
89.15896	86.	%	12/07/89	
89.15897	86.	%	12/07/89	
89.15898	324.	%	12/07/89	
89.15899	54.	%	12/07/89	
89.15900	85.	%	12/07/89	
89.15901	127.	%	12/07/89	
89.15902	202.	%	12/07/89	
89.15905	130.	%	12/07/89	

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Analyst	Section Leader	QA Officer
Date	Date	Date

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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SEMIVOLATILE ORGANIC ANALYSES

Rec'd 4-30-90

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TA-35 TSL-55
Final Soil Verification Samples

HSE-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Steve McLin
From: Martin Koby

Request Number: 7968
Matrix: Soil
Summary Date: 3/8/90

Sample ID	Target Compounds Found	Amount (ug/Kg)	LOQ (ug/Kg)
Blank 1	NONE	NA	330.0
Blank 2	Bis(2-ethylhexyl)phthalate	830.0	330.0
Blank 3	Bis(2-ethylhexyl)phthalate	420.0	330.0
89.15879	NONE	NA	330.0
89.15880	NONE	NA	330.0
89.15881	NONE	NA	1300.0
89.15882	NONE	NA	1600.0
89.15883	NONE	NA	330.0
89.15884	Bis(2-ethylhexyl)phthalate	800.0	330.0
89.15885	Bis(2-ethylhexyl)phthalate	1700.0	330.0
89.15886	NONE	NA	6600.0
89.15887	NONE	NA	6600.0
89.15888	NONE	NA	1300.0
89.15889	Bis(2-ethylhexyl)phthalate	380.0	330.0
89.15890	NONE	NA	1700.0
89.15891	NO DATA AVAILABLE - SAMPLE LOST DURING PREPARATION		
89.15892	Bis(2-ethylhexyl)phthalate	720.0	330.0
89.15893	NONE	NA	1300.0
89.15894	NONE	NA	1300.0
89.15895	NONE	NA	1300.0
89.15896	NONE	NA	1300.0
89.15897	Bis(2-ethylhexyl)phthalate	2800.0	330.0
89.15898	NONE	NA	1300.0
89.15899	NONE	NA	6600.0
89.15900	NONE	NA	1300.0
89.15901	NONE	NA	1300.0
89.15902	NONE	NA	1300.0

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Request 7968
Semivolatile Organic Analysis Summary

The samples were prepped by mixing approximately 30 g of sample with 60 g sodium sulfate and soxhlet extracting with methylene chloride for 18 hours. Appropriate surrogate standards were added prior to extraction as a check of method efficiency. Initial extracts were concentrated to an appropriate final volume by Kuderna-Danish and nitrogen evaporation techniques. Analysis was performed by capillary column GC/MS methods. These methods are consistent with EPA SW-846 protocol.

Bis(2-ethylhexyl)phthalate was the only HSL target compound detected at reportable limits. This compound is a common plasticizer and is frequently found in environmental samples. Unfortunately, it is also the most commonly introduced laboratory contaminant. This is evidenced by it's presence in two of the three method blanks run concurrently with this project.

These results are somewhat inconclusive in that the vast majority of samples had very complex matrices. Three samples: 89.15880, 89.15894, and 89.15897 did not contain significant amounts of coextractable hydrocarbon interference. The remainder had moderate to severe amounts of extractable interference. This definately had an affect on both qualitative and quantitaive analysis.

These sample were analyzed outside the 40 day holding time required by EPA protocol due to a malfunctioning instrument. It is the analysts opinion that this did not compromise the reliability of the data as surrogate recoveries are well within control limits. Steps have been taken to correct the problems and minimize instrument downtime.

85FS-1	89.15879	106445	< 330.	UG/KG	3/23/90	p-Cresol
85FS-1	89.15879	84742	< 330.	UG/KG	3/23/90	Di-n-butyl phthalate
85FS-1	89.15879	117840	< 330.	UG/KG	3/23/90	Di-n-octyl phthalate
85FS-1	89.15879	53703	< 330.	UG/KG	3/23/90	Dibenzo(a,h)anthracene
85FS-1	89.15879	132649	< 330.	UG/KG	3/23/90	Dibenzofuran
85FS-1	89.15879	95501	< 330.	UG/KG	3/23/90	o-Dichlorobenzene (1,2)
85FS-1	89.15879	541731	< 330.	UG/KG	3/23/90	m-Dichlorobenzene (1,3)
85FS-1	89.15879	106467	< 330.	UG/KG	3/23/90	p-Dichlorobenzene (1,4)
85FS-1	89.15879	91941	< 330.	UG/KG	3/23/90	3,3'-Dichlorobenzidine
85FS-1	89.15879	120832	< 330.	UG/KG	3/23/90	2,4-Dichlorophenol
85FS-1	89.15879	84662	< 330.	UG/KG	3/23/90	Diethyl phthalate
85FS-1	89.15879	131113	< 330.	UG/KG	3/23/90	Dimethyl phthalate
85FS-1	89.15879	105679	< 330.	UG/KG	3/23/90	2,4-Dimethylphenol
85FS-1	89.15879	51285	< 330.	UG/KG	3/23/90	2,4-Dinitrophenol
85FS-1	89.15879	121142	< 330.	UG/KG	3/23/90	2,4-Dinitrotoluene
85FS-1	89.15879	606202	< 330.	UG/KG	3/23/90	2,6-Dinitrotoluene
85FS-1	89.15879	206440	< 330.	UG/KG	3/23/90	Fluoranthene
85FS-1	89.15879	86737	< 330.	UG/KG	3/23/90	Fluorene
85FS-1	89.15879	118741	< 330.	UG/KG	3/23/90	Hexachlorobenzene
85FS-1	89.15879	87683	< 330.	UG/KG	3/23/90	Hexachlorobutadiene
85FS-1	89.15879	77474	< 330.	UG/KG	3/23/90	Hexachlorocyclopentadiene
85FS-1	89.15879	67721	< 330.	UG/KG	3/23/90	Hexachloroethane
85FS-1	89.15879	193395	< 330.	UG/KG	3/23/90	Indeno(1,2,3-cd)pyrene
85FS-1	89.15879	78591	< 330.	UG/KG	3/23/90	Isophorone
85FS-1	89.15879	534521	< 330.	UG/KG	3/23/90	2-Methyl-4,6-dinitrophenol
85FS-1	89.15879	91576	< 330.	UG/KG	3/23/90	2-Methylnaphthalene
85FS-1	89.15879	95487	< 330.	UG/KG	3/23/90	2-Methylphenol
85FS-1	89.15879	106445	< 330.	UG/KG	3/23/90	4-Methylphenol
85FS-1	89.15879	91203	< 330.	UG/KG	3/23/90	Naphthalene
85FS-1	89.15879	88744	< 330.	UG/KG	3/23/90	2-Nitroaniline
85FS-1	89.15879	99092	< 330.	UG/KG	3/23/90	3-Nitroaniline
85FS-1	89.15879	100016	< 330.	UG/KG	3/23/90	4-Nitroaniline
85FS-1	89.15879	98953	< 330.	UG/KG	3/23/90	Nitrobenzene
85FS-1	89.15879	88755	< 330.	UG/KG	3/23/90	2-Nitrophenol
85FS-1	89.15879	100027	< 330.	UG/KG	3/23/90	4-Nitrophenol
85FS-1	89.15879	621647	< 330.	UG/KG	3/23/90	N-Nitrosodi-n-propylamine
85FS-1	89.15879	62759	< 330.	UG/KG	3/23/90	N-Nitrosodimethylamine
85FS-1	89.15879	86306	< 330.	UG/KG	3/23/90	N-Nitrosodiphenylamine
85FS-1	89.15879	87865	< 330.	UG/KG	3/23/90	Pentachlorophenol
85FS-1	89.15879	85018	< 330.	UG/KG	3/23/90	Phenanthrene
85FS-1	89.15879	108952	< 330.	UG/KG	3/23/90	Phenol
85FS-1	89.15879	129000	< 330.	UG/KG	3/23/90	Pyrene
85FS-1	89.15879	120821	< 330.	UG/KG	3/23/90	1,2,4-Trichlorobenzene
85FS-1	89.15879	95954	< 330.	UG/KG	3/23/90	2,4,5-Trichlorophenol
85FS-1	89.15879	88062	< 330.	UG/KG	3/23/90	2,4,6-Trichlorophenol

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REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-1	89.15879	83329	< 330.		UG/KG	3/23/90		Acenaphthene
85FS-1	89.15879	208968	< 330.		UG/KG	3/23/90		Acenaphthylene
85FS-1	89.15879	62533	< 330.		UG/KG	3/23/90		Aniline
85FS-1	89.15879	120127	< 330.		UG/KG	3/23/90		Anthracene
85FS-1	89.15879	103333	< 330.		UG/KG	3/23/90		Azobenzene
85FS-1	89.15879	56553	< 330.		UG/KG	3/23/90		Benz(a)anthracene
85FS-1	89.15879	92875	< 330.		UG/KG	3/23/90		m-Benzidine
85FS-1	89.15879	191242	< 330.		UG/KG	3/23/90		Benzo(g,h,i)perylene
85FS-1	89.15879	50328	< 330.		UG/KG	3/23/90		Benzo-a-pyrene
85FS-1	89.15879	205992	< 330.		UG/KG	3/23/90		Benzo-b-fluoranthene
85FS-1	89.15879	207089	< 330.		UG/KG	3/23/90		Benzo-k-fluoranthene
85FS-1	89.15879	65850	< 330.		UG/KG	3/23/90		Benzoic acid
85FS-1	89.15879	100516	< 330.		UG/KG	3/23/90		Benzyl alcohol
85FS-1	89.15879	111911	< 330.		UG/KG	3/23/90		Bis(2-chloroethoxy)methane
85FS-1	89.15879	111444	< 330.		UG/KG	3/23/90		Bis(2-chloroethyl)ether
85FS-1	89.15879	108601	< 330.		UG/KG	3/23/90		Bis(2-chloroisopropyl)ether
85FS-1	89.15879	117817	< 330.		UG/KG	3/23/90		Bis(2-ethylhexyl)phthalate
85FS-1	89.15879	101553	< 330.		UG/KG	3/23/90		4-Bromophenylphenyl ether
85FS-1	89.15879	85687	< 330.		UG/KG	3/23/90		Butylbenzyl phthalate
85FS-1	89.15879	59507	< 330.		UG/KG	3/23/90		4-Chloro-3-methylphenol
85FS-1	89.15879	106478	< 330.		UG/KG	3/23/90		4-Chloroaniline
85FS-1	89.15879	91587	< 330.		UG/KG	3/23/90		2-Chloronaphthalene
85FS-1	89.15879	95578	< 330.		UG/KG	3/23/90		o-Chlorophenol
85FS-1	89.15879	7005723	< 330.		UG/KG	3/23/90		4-Chlorophenylphenyl ether
85FS-1	89.15879	218019	< 330.		UG/KG	3/23/90		Chrysene

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85FS-1	89.15879	105679	< 330.	UG/KG	3/23/90	2,4-Xylenol

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REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-2	89.15880	83329	< 330.		UG/KG	3/23/90		Acenaphthene
85FS-2	89.15880	208968	< 330.		UG/KG	3/23/90		Acenaphthylene
85FS-2	89.15880	62533	< 330.		UG/KG	3/23/90		Aniline
85FS-2	89.15880	120127	< 330.		UG/KG	3/23/90		Anthracene
85FS-2	89.15880	103333	< 330.		UG/KG	3/23/90		Azobenzene
85FS-2	89.15880	56553	< 330.		UG/KG	3/23/90		Benz(a)anthracene
85FS-2	89.15880	92875	< 330.		UG/KG	3/23/90		m-Benzidine
85FS-2	89.15880	191242	< 330.		UG/KG	3/23/90		Benzo(g,h,i)perylene
85FS-2	89.15880	50328	< 330.		UG/KG	3/23/90		Benzo-a-pyrene
85FS-2	89.15880	205992	< 330.		UG/KG	3/23/90		Benzo-b-fluoranthene
85FS-2	89.15880	207089	< 330.		UG/KG	3/23/90		Benzo-k-fluoranthene
85FS-2	89.15880	65850	< 330.		UG/KG	3/23/90		Benzoic acid
85FS-2	89.15880	100516	< 330.		UG/KG	3/23/90		Benzyl alcohol
85FS-2	89.15880	111911	< 330.		UG/KG	3/23/90		Bis(2-chloroethoxy)methane
85FS-2	89.15880	111444	< 330.		UG/KG	3/23/90		Bis(2-chloroethyl)ether
85FS-2	89.15880	108601	< 330.		UG/KG	3/23/90		Bis(2-chloroisopropyl)ether
85FS-2	89.15880	117817	< 330.		UG/KG	3/23/90		Bis(2-ethylhexyl)phthalate
85FS-2	89.15880	101553	< 330.		UG/KG	3/23/90		4-Bromophenylphenyl ether
85FS-2	89.15880	85687	< 330.		UG/KG	3/23/90		Butylbenzyl phthalate
85FS-2	89.15880	59507	< 330.		UG/KG	3/23/90		4-Chloro-3-methylphenol
85FS-2	89.15880	106478	< 330.		UG/KG	3/23/90		4-Chloroaniline
85FS-2	89.15880	91587	< 330.		UG/KG	3/23/90		2-Chloronaphthalene
85FS-2	89.15880	95578	< 330.		UG/KG	3/23/90		o-Chlorophenol
85FS-2	89.15880	7005723	< 330.		UG/KG	3/23/90		4-Chlorophenylphenyl ether
85FS-2	89.15880	218019	< 330.		UG/KG	3/23/90		Chrysene

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85FS-2	89.15880	106445	< 330.	UG/KG	3/23/90	p-Cresol
85FS-2	89.15880	84742	< 330.	UG/KG	3/23/90	Di-n-butyl phthalate
85FS-2	89.15880	117840	< 330.	UG/KG	3/23/90	Di-n-octyl phthalate
85FS-2	89.15880	53703	< 330.	UG/KG	3/23/90	Dibenzo(a,h)anthracene
85FS-2	89.15880	132649	< 330.	UG/KG	3/23/90	Dibenzofuran
85FS-2	89.15880	95501	< 330.	UG/KG	3/23/90	o-Dichlorobenzene (1,2)
85FS-2	89.15880	541731	< 330.	UG/KG	3/23/90	m-Dichlorobenzene (1,3)
85FS-2	89.15880	106467	< 330.	UG/KG	3/23/90	p-Dichlorobenzene (1,4)
85FS-2	89.15880	91941	< 330.	UG/KG	3/23/90	3,3'-Dichlorobenzidine
85FS-2	89.15880	120832	< 330.	UG/KG	3/23/90	2,4-Dichlorophenol
85FS-2	89.15880	84662	< 330.	UG/KG	3/23/90	Diethyl phthalate
85FS-2	89.15880	131113	< 330.	UG/KG	3/23/90	Dimethyl phthalate
85FS-2	89.15880	105679	< 330.	UG/KG	3/23/90	2,4-Dimethylphenol
85FS-2	89.15880	51285	< 330.	UG/KG	3/23/90	2,4-Dinitrophenol
85FS-2	89.15880	121142	< 330.	UG/KG	3/23/90	2,4-Dinitrotoluene
85FS-2	89.15880	606202	< 330.	UG/KG	3/23/90	2,6-Dinitrotoluene
85FS-2	89.15880	206440	< 330.	UG/KG	3/23/90	Fluoranthene
85FS-2	89.15880	86737	< 330.	UG/KG	3/23/90	Fluorene
85FS-2	89.15880	118741	< 330.	UG/KG	3/23/90	Hexachlorobenzene
85FS-2	89.15880	87683	< 330.	UG/KG	3/23/90	Hexachlorobutadiene
85FS-2	89.15880	77474	< 330.	UG/KG	3/23/90	Hexachlorocyclopentadiene
85FS-2	89.15880	67721	< 330.	UG/KG	3/23/90	Hexachloroethane
85FS-2	89.15880	193395	< 330.	UG/KG	3/23/90	Indeno(1,2,3-cd)pyrene
85FS-2	89.15880	78591	< 330.	UG/KG	3/23/90	Isophorone
85FS-2	89.15880	534521	< 330.	UG/KG	3/23/90	2-Methyl-4,6-dinitrophenol
85FS-2	89.15880	91576	< 330.	UG/KG	3/23/90	2-Methylnaphthalene
85FS-2	89.15880	95487	< 330.	UG/KG	3/23/90	2-Methylphenol
85FS-2	89.15880	106445	< 330.	UG/KG	3/23/90	4-Methylphenol
85FS-2	89.15880	91203	< 330.	UG/KG	3/23/90	Naphthalene
85FS-2	89.15880	88744	< 330.	UG/KG	3/23/90	2-Nitroaniline
85FS-2	89.15880	99092	< 330.	UG/KG	3/23/90	3-Nitroaniline
85FS-2	89.15880	100016	< 330.	UG/KG	3/23/90	4-Nitroaniline
85FS-2	89.15880	98953	< 330.	UG/KG	3/23/90	Nitrobenzene
85FS-2	89.15880	88755	< 330.	UG/KG	3/23/90	2-Nitrophenol
85FS-2	89.15880	100027	< 330.	UG/KG	3/23/90	4-Nitrophenol
85FS-2	89.15880	621647	< 330.	UG/KG	3/23/90	N-Nitrosodi-n-propylamine
85FS-2	89.15880	62759	< 330.	UG/KG	3/23/90	N-Nitrosodimethylamine
85FS-2	89.15880	86306	< 330.	UG/KG	3/23/90	N-Nitrosodiphenylamine
85FS-2	89.15880	87865	< 330.	UG/KG	3/23/90	Pentachlorophenol
85FS-2	89.15880	85018	< 330.	UG/KG	3/23/90	Phenanthrene
85FS-2	89.15880	108952	< 330.	UG/KG	3/23/90	Phenol
85FS-2	89.15880	129000	< 330.	UG/KG	3/23/90	Pyrene
85FS-2	89.15880	120821	< 330.	UG/KG	3/23/90	1,2,4-Trichlorobenzene
85FS-2	89.15880	95954	< 330.	UG/KG	3/23/90	2,4,5-Trichlorophenol
85FS-2	89.15880	88062	< 330.	UG/KG	3/23/90	2,4,6-Trichlorophenol

DRAFT

85FS-2	89.15880	105679	< 330.	UG/KG	3/[illegible],90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-3	89.15881	83329	< 1287.		UG/KG	3/23/90		Acenaphthene
85FS-3	89.15881	208968	< 1287.		UG/KG	3/23/90		Acenaphthylene
85FS-3	89.15881	62533	< 1287.		UG/KG	3/23/90		Aniline
85FS-3	89.15881	120127	< 1287.		UG/KG	3/23/90		Anthracene
85FS-3	89.15881	103333	< 1287.		UG/KG	3/23/90		Azobenzene
85FS-3	89.15881	56553	< 1287.		UG/KG	3/23/90		Benz(a)anthracene
85FS-3	89.15881	92875	< 1287.		UG/KG	3/23/90		m-Benzidine
85FS-3	89.15881	191242	< 1287.		UG/KG	3/23/90		Benzo(g,h,i)perylene
85FS-3	89.15881	50328	< 1287.		UG/KG	3/23/90		Benzo-a-pyrene
85FS-3	89.15881	205992	< 1287.		UG/KG	3/23/90		Benzo-b-fluoranthene
85FS-3	89.15881	207089	< 1287.		UG/KG	3/23/90		Benzo-k-fluoranthene
85FS-3	89.15881	65850	< 1287.		UG/KG	3/23/90		Benzoic acid
85FS-3	89.15881	100516	< 1287.		UG/KG	3/23/90		Benzyl alcohol
85FS-3	89.15881	111911	< 1287.		UG/KG	3/23/90		Bis(2-chloroethoxy)methane
85FS-3	89.15881	111444	< 1287.		UG/KG	3/23/90		Bis(2-chloroethyl)ether
85FS-3	89.15881	108601	< 1287.		UG/KG	3/23/90		Bis(2-chloroisopropyl)ether
85FS-3	89.15881	117817	< 1287.		UG/KG	3/23/90		Bis(2-ethylhexyl)phthalate
85FS-3	89.15881	101553	< 1287.		UG/KG	3/23/90		4-Bromophenylphenyl ether
85FS-3	89.15881	85687	< 1287.		UG/KG	3/23/90		Butylbenzyl phthalate
85FS-3	89.15881	59507	< 1287.		UG/KG	3/23/90		4-Chloro-3-methylphenol
85FS-3	89.15881	106478	< 1287.		UG/KG	3/23/90		4-Chloroaniline
85FS-3	89.15881	91587	< 1287.		UG/KG	3/23/90		2-Chloronaphthalene
85FS-3	89.15881	95578	< 1287.		UG/KG	3/23/90		o-Chlorophenol
85FS-3	89.15881	7005723	< 1287.		UG/KG	3/23/90		4-Chlorophenylphenyl ether
85FS-3	89.15881	218019	< 1287.		UG/KG	3/23/90		Chrysene

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85FS-3	89.15881	106445	< 1287.	UG/KG	3/23/90	p-Cresol
85FS-3	89.15881	84742	< 1287.	UG/KG	3/23/90	Di-n-butyl phthalate
85FS-3	89.15881	117840	< 1287.	UG/KG	3/23/90	Di-n-octyl phthalate
85FS-3	89.15881	53703	< 1287.	UG/KG	3/23/90	Dibenzo(a,h)anthracene
85FS-3	89.15881	132649	< 1287.	UG/KG	3/23/90	Dibenzofuran
85FS-3	89.15881	95501	< 1287.	UG/KG	3/23/90	o-Dichlorobenzene (1,2)
85FS-3	89.15881	541731	< 1287.	UG/KG	3/23/90	m-Dichlorobenzene (1,3)
85FS-3	89.15881	106467	< 1287.	UG/KG	3/23/90	p-Dichlorobenzene (1,4)
85FS-3	89.15881	91941	< 1287.	UG/KG	3/23/90	3,3'-Dichlorobenzidine
85FS-3	89.15881	120832	< 1287.	UG/KG	3/23/90	2,4-Dichlorophenol
85FS-3	89.15881	84662	< 1287.	UG/KG	3/23/90	Diethyl phthalate
85FS-3	89.15881	131113	< 1287.	UG/KG	3/23/90	Dimethyl phthalate
85FS-3	89.15881	105679	< 1287.	UG/KG	3/23/90	2,4-Dimethylphenol
85FS-3	89.15881	51285	< 1287.	UG/KG	3/23/90	2,4-Dinitrophenol
85FS-3	89.15881	121142	< 1287.	UG/KG	3/23/90	2,4-Dinitrotoluene
85FS-3	89.15881	606202	< 1287.	UG/KG	3/23/90	2,6-Dinitrotoluene
85FS-3	89.15881	206440	< 1287.	UG/KG	3/23/90	Fluoranthene
85FS-3	89.15881	86737	< 1287.	UG/KG	3/23/90	Fluorene
85FS-3	89.15881	118741	< 1287.	UG/KG	3/23/90	Hexachlorobenzene
85FS-3	89.15881	87683	< 1287.	UG/KG	3/23/90	Hexachlorobutadiene
85FS-3	89.15881	77474	< 1287.	UG/KG	3/23/90	Hexachlorocyclopentadiene
85FS-3	89.15881	67721	< 1287.	UG/KG	3/23/90	Hexachloroethane
85FS-3	89.15881	193395	< 1287.	UG/KG	3/23/90	Indeno(1,2,3-cd)pyrene
85FS-3	89.15881	78591	< 1287.	UG/KG	3/23/90	Isophorone
85FS-3	89.15881	534521	< 1287.	UG/KG	3/23/90	2-Methyl-4,6-dinitrophenol
85FS-3	89.15881	91576	< 1287.	UG/KG	3/23/90	2-Methylnaphthalene
85FS-3	89.15881	95487	< 1287.	UG/KG	3/23/90	2-Methylphenol
85FS-3	89.15881	106445	< 1287.	UG/KG	3/23/90	4-Methylphenol
85FS-3	89.15881	91203	< 1287.	UG/KG	3/23/90	Naphthalene
85FS-3	89.15881	88744	< 1287.	UG/KG	3/23/90	2-Nitroaniline
85FS-3	89.15881	99092	< 1287.	UG/KG	3/23/90	3-Nitroaniline
85FS-3	89.15881	100016	< 1287.	UG/KG	3/23/90	4-Nitroaniline
85FS-3	89.15881	98953	< 1287.	UG/KG	3/23/90	Nitrobenzene
85FS-3	89.15881	88755	< 1287.	UG/KG	3/23/90	2-Nitrophenol
85FS-3	89.15881	100027	< 1287.	UG/KG	3/23/90	4-Nitrophenol
85FS-3	89.15881	621647	< 1287.	UG/KG	3/23/90	N-Nitrosodi-n-propylamine
85FS-3	89.15881	62759	< 1287.	UG/KG	3/23/90	N-Nitrosodimethylamine
85FS-3	89.15881	86306	< 1287.	UG/KG	3/23/90	N-Nitrosodiphenylamine
85FS-3	89.15881	87865	< 1287.	UG/KG	3/23/90	Pentachlorophenol
85FS-3	89.15881	85018	< 1287.	UG/KG	3/23/90	Phenanthrene
85FS-3	89.15881	108952	< 1287.	UG/KG	3/23/90	Phenol
85FS-3	89.15881	129000	< 1287.	UG/KG	3/23/90	Pyrene
85FS-3	89.15881	120821	< 1287.	UG/KG	3/23/90	1,2,4-Trichlorobenzene
85FS-3	89.15881	95954	< 1287.	UG/KG	3/23/90	2,4,5-Trichlorophenol
85FS-3	89.15881	88062	< 1287.	UG/KG	3/23/90	2,4,6-Trichlorophenol

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85FS-3	89.15881	105679	< 1287.	UG/KG	3/23/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-4	89.15882	83329	< 1617.		UG/KG	3/23/90		Acenaphthene
85FS-4	89.15882	208968	< 1617.		UG/KG	3/23/90		Acenaphthylene
85FS-4	89.15882	62533	< 1617.		UG/KG	3/23/90		Aniline
85FS-4	89.15882	120127	< 1617.		UG/KG	3/23/90		Anthracene
85FS-4	89.15882	103333	< 1617.		UG/KG	3/23/90		Azobenzene
85FS-4	89.15882	56553	< 1617.		UG/KG	3/23/90		Benz(a)anthracene
85FS-4	89.15882	92875	< 1617.		UG/KG	3/23/90		m-Benzidine
85FS-4	89.15882	191242	< 1617.		UG/KG	3/23/90		Benzo(g,h,i)perylene
85FS-4	89.15882	50328	< 1617.		UG/KG	3/23/90		Benzo-a-pyrene
85FS-4	89.15882	205992	< 1617.		UG/KG	3/23/90		Benzo-b-fluoranthene
85FS-4	89.15882	207089	< 1617.		UG/KG	3/23/90		Benzo-k-fluoranthene
85FS-4	89.15882	65850	< 1617.		UG/KG	3/23/90		Benzoic acid
85FS-4	89.15882	100516	< 1617.		UG/KG	3/23/90		Benzyl alcohol
85FS-4	89.15882	111911	< 1617.		UG/KG	3/23/90		Bis(2-chloroethoxy)methane
85FS-4	89.15882	111444	< 1617.		UG/KG	3/23/90		Bis(2-chloroethyl)ether
85FS-4	89.15882	108601	< 1617.		UG/KG	3/23/90		Bis(2-chloroisopropyl)ether
85FS-4	89.15882	117817	< 1617.		UG/KG	3/23/90		Bis(2-ethylhexyl)phthalate
85FS-4	89.15882	101553	< 1617.		UG/KG	3/23/90		4-Bromophenylphenyl ether
85FS-4	89.15882	85687	< 1617.		UG/KG	3/23/90		Butylbenzyl phthalate
85FS-4	89.15882	59507	< 1617.		UG/KG	3/23/90		4-Chloro-3-methylphenol
85FS-4	89.15882	106478	< 1617.		UG/KG	3/23/90		4-Chloroaniline
85FS-4	89.15882	91587	< 1617.		UG/KG	3/23/90		2-Chloronaphthalene
85FS-4	89.15882	95578	< 1617.		UG/KG	3/23/90		o-Chlorophenol
85FS-4	89.15882	7005723	< 1617.		UG/KG	3/23/90		4-Chlorophenylphenyl ether
85FS-4	89.15882	218019	< 1617.		UG/KG	3/23/90		Chrysene

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85FS-4	89.15882	106445	< 1617.	UG/KG	3/23/90	p-Cresol
85FS-4	89.15882	84742	< 1617.	UG/KG	3/23/90	Di-n-butyl phthalate
85FS-4	89.15882	117840	< 1617.	UG/KG	3/23/90	Di-n-octyl phthalate
85FS-4	89.15882	53703	< 1617.	UG/KG	3/23/90	Dibenzo(a,h)anthracene
85FS-4	89.15882	132649	< 1617.	UG/KG	3/23/90	Dibenzofuran
85FS-4	89.15882	95501	< 1617.	UG/KG	3/23/90	o-Dichlorobenzene (1,2)
85FS-4	89.15882	541731	< 1617.	UG/KG	3/23/90	m-Dichlorobenzene (1,3)
85FS-4	89.15882	106467	< 1617.	UG/KG	3/23/90	p-Dichlorobenzene (1,4)
85FS-4	89.15882	91941	< 1617.	UG/KG	3/23/90	3,3'-Dichlorobenzidine
85FS-4	89.15882	120832	< 1617.	UG/KG	3/23/90	2,4-Dichlorophenol
85FS-4	89.15882	84662	< 1617.	UG/KG	3/23/90	Diethyl phthalate
85FS-4	89.15882	131113	< 1617.	UG/KG	3/23/90	Dimethyl phthalate
85FS-4	89.15882	105679	< 1617.	UG/KG	3/23/90	2,4-Dimethylphenol
85FS-4	89.15882	51285	< 1617.	UG/KG	3/23/90	2,4-Dinitrophenol
85FS-4	89.15882	121142	< 1617.	UG/KG	3/23/90	2,4-Dinitrotoluene
85FS-4	89.15882	606202	< 1617.	UG/KG	3/23/90	2,6-Dinitrotoluene
85FS-4	89.15882	206440	< 1617.	UG/KG	3/23/90	Fluoranthene
85FS-4	89.15882	86737	< 1617.	UG/KG	3/23/90	Fluorene
85FS-4	89.15882	118741	< 1617.	UG/KG	3/23/90	Hexachlorobenzene
85FS-4	89.15882	87683	< 1617.	UG/KG	3/23/90	Hexachlorobutadiene
85FS-4	89.15882	77474	< 1617.	UG/KG	3/23/90	Hexachlorocyclopentadiene
85FS-4	89.15882	67721	< 1617.	UG/KG	3/23/90	Hexachloroethane
85FS-4	89.15882	193395	< 1617.	UG/KG	3/23/90	Indeno(1,2,3-cd)pyrene
85FS-4	89.15882	78591	< 1617.	UG/KG	3/23/90	Isophorone
85FS-4	89.15882	534521	< 1617.	UG/KG	3/23/90	2-Methyl-4,6-dinitrophenol
85FS-4	89.15882	91576	< 1617.	UG/KG	3/23/90	2-Methylnaphthalene
85FS-4	89.15882	95487	< 1617.	UG/KG	3/23/90	2-Methylphenol
85FS-4	89.15882	106445	< 1617.	UG/KG	3/23/90	4-Methylphenol
85FS-4	89.15882	91203	< 1617.	UG/KG	3/23/90	Naphthalene
85FS-4	89.15882	88744	< 1617.	UG/KG	3/23/90	2-Nitroaniline
85FS-4	89.15882	99092	< 1617.	UG/KG	3/23/90	3-Nitroaniline
85FS-4	89.15882	100016	< 1617.	UG/KG	3/23/90	4-Nitroaniline
85FS-4	89.15882	98953	< 1617.	UG/KG	3/23/90	Nitrobenzene
85FS-4	89.15882	88755	< 1617.	UG/KG	3/23/90	2-Nitrophenol
85FS-4	89.15882	100027	< 1617.	UG/KG	3/23/90	4-Nitrophenol
85FS-4	89.15882	621647	< 1617.	UG/KG	3/23/90	N-Nitrosodi-n-propylamine
85FS-4	89.15882	62759	< 1617.	UG/KG	3/23/90	N-Nitrosodimethylamine
85FS-4	89.15882	86306	< 1617.	UG/KG	3/23/90	N-Nitrosodiphenylamine
85FS-4	89.15882	87865	< 1617.	UG/KG	3/23/90	Pentachlorophenol
85FS-4	89.15882	85018	< 1617.	UG/KG	3/23/90	Phenanthrene
85FS-4	89.15882	108952	< 1617.	UG/KG	3/23/90	Phenol
85FS-4	89.15882	129000	< 1617.	UG/KG	3/23/90	Pyrene
85FS-4	89.15882	120821	< 1617.	UG/KG	3/23/90	1,2,4-Trichlorobenzene
85FS-4	89.15882	95954	< 1617.	UG/KG	3/23/90	2,4,5-Trichlorophenol
85FS-4	89.15882	88062	< 1617.	UG/KG	3/23/90	2,4,6-Trichlorophenol

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85FS-4	89.15882	105679	< 1617.	UG/KG	3/23/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-5	89.15883	83329	< 330.		UG/KG	3/23/90		Acenaphthene
85FS-5	89.15883	208968	< 330.		UG/KG	3/23/90		Acenaphthylene
85FS-5	89.15883	62533	< 330.		UG/KG	3/23/90		Aniline
85FS-5	89.15883	120127	< 330.		UG/KG	3/23/90		Anthracene
85FS-5	89.15883	103333	< 330.		UG/KG	3/23/90		Azobenzene
85FS-5	89.15883	56553	< 330.		UG/KG	3/23/90		Benz(a)anthracene
85FS-5	89.15883	92875	< 330.		UG/KG	3/23/90		m-Benzidine
85FS-5	89.15883	191242	< 330.		UG/KG	3/23/90		Benzo(g,h,i)perylene
85FS-5	89.15883	50328	< 330.		UG/KG	3/23/90		Benzo-a-pyrene
85FS-5	89.15883	205992	< 330.		UG/KG	3/23/90		Benzo-b-fluoranthene
85FS-5	89.15883	207089	< 330.		UG/KG	3/23/90		Benzo-k-fluoranthene
85FS-5	89.15883	65850	< 330.		UG/KG	3/23/90		Benzoic acid
85FS-5	89.15883	100516	< 330.		UG/KG	3/23/90		Benzyl alcohol
85FS-5	89.15883	111911	< 330.		UG/KG	3/23/90		Bis(2-chloroethoxy)methane
85FS-5	89.15883	111444	< 330.		UG/KG	3/23/90		Bis(2-chloroethyl)ether
85FS-5	89.15883	108601	< 330.		UG/KG	3/23/90		Bis(2-chloroisopropyl)ether
85FS-5	89.15883	117817	< 330.		UG/KG	3/23/90		Bis(2-ethylhexyl)phthalate
85FS-5	89.15883	101553	< 330.		UG/KG	3/23/90		4-Bromophenylphenyl ether
85FS-5	89.15883	85687	< 330.		UG/KG	3/23/90		Butylbenzyl phthalate
85FS-5	89.15883	59507	< 330.		UG/KG	3/23/90		4-Chloro-3-methylphenol
85FS-5	89.15883	106478	< 330.		UG/KG	3/23/90		4-Chloroaniline
85FS-5	89.15883	91587	< 330.		UG/KG	3/23/90		2-Chloronaphthalene
85FS-5	89.15883	95578	< 330.		UG/KG	3/23/90		o-Chlorophenol
85FS-5	89.15883	7005723	< 330.		UG/KG	3/23/90		4-Chlorophenylphenyl ether
85FS-5	89.15883	218019	< 330.		UG/KG	3/23/90		Chrysene

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85FS-5	89.15883	106445	< 330.	UG/KG	3/23/90	p-Cresol
85FS-5	89.15883	84742	< 330.	UG/KG	3/23/90	Di-n-butyl phthalate
85FS-5	89.15883	117840	< 330.	UG/KG	3/23/90	Di-n-octyl phthalate
85FS-5	89.15883	53703	< 330.	UG/KG	3/23/90	Dibenzo(a,h)anthracene
85FS-5	89.15883	132649	< 330.	UG/KG	3/23/90	Dibenzofuran
85FS-5	89.15883	95501	< 330.	UG/KG	3/23/90	o-Dichlorobenzene (1,2)
85FS-5	89.15883	541731	< 330.	UG/KG	3/23/90	m-Dichlorobenzene (1,3)
85FS-5	89.15883	106467	< 330.	UG/KG	3/23/90	p-Dichlorobenzene (1,4)
85FS-5	89.15883	91941	< 330.	UG/KG	3/23/90	3,3'-Dichlorobenzidine
85FS-5	89.15883	120832	< 330.	UG/KG	3/23/90	2,4-Dichlorophenol
85FS-5	89.15883	84662	< 330.	UG/KG	3/23/90	Diethyl phthalate
85FS-5	89.15883	131113	< 330.	UG/KG	3/23/90	Dimethyl phthalate
85FS-5	89.15883	105679	< 330.	UG/KG	3/23/90	2,4-Dimethylphenol
85FS-5	89.15883	51285	< 330.	UG/KG	3/23/90	2,4-Dinitrophenol
85FS-5	89.15883	121142	< 330.	UG/KG	3/23/90	2,4-Dinitrotoluene
85FS-5	89.15883	606202	< 330.	UG/KG	3/23/90	2,6-Dinitrotoluene
85FS-5	89.15883	206440	< 330.	UG/KG	3/23/90	Fluoranthene
85FS-5	89.15883	86737	< 330.	UG/KG	3/23/90	Fluorene
85FS-5	89.15883	118741	< 330.	UG/KG	3/23/90	Hexachlorobenzene
85FS-5	89.15883	87683	< 330.	UG/KG	3/23/90	Hexachlorobutadiene
85FS-5	89.15883	77474	< 330.	UG/KG	3/23/90	Hexachlorocyclopentadiene
85FS-5	89.15883	67721	< 330.	UG/KG	3/23/90	Hexachloroethane
85FS-5	89.15883	193395	< 330.	UG/KG	3/23/90	Indeno(1,2,3-cd)pyrene
85FS-5	89.15883	78591	< 330.	UG/KG	3/23/90	Isophorone
85FS-5	89.15883	534521	< 330.	UG/KG	3/23/90	2-Methyl-4,6-dinitrophenol
85FS-5	89.15883	91576	< 330.	UG/KG	3/23/90	2-Methylnaphthalene
85FS-5	89.15883	95487	< 330.	UG/KG	3/23/90	2-Methylphenol
85FS-5	89.15883	106445	< 330.	UG/KG	3/23/90	4-Methylphenol
85FS-5	89.15883	91203	< 330.	UG/KG	3/23/90	Naphthalene
85FS-5	89.15883	88744	< 330.	UG/KG	3/23/90	2-Nitroaniline
85FS-5	89.15883	99092	< 330.	UG/KG	3/23/90	3-Nitroaniline
85FS-5	89.15883	100016	< 330.	UG/KG	3/23/90	4-Nitroaniline
85FS-5	89.15883	98953	< 330.	UG/KG	3/23/90	Nitrobenzene
85FS-5	89.15883	88755	< 330.	UG/KG	3/23/90	2-Nitrophenol
85FS-5	89.15883	100027	< 330.	UG/KG	3/23/90	4-Nitrophenol
85FS-5	89.15883	621647	< 330.	UG/KG	3/23/90	N-Nitrosodi-n-propylamine
85FS-5	89.15883	62759	< 330.	UG/KG	3/23/90	N-Nitrosodimethylamine
85FS-5	89.15883	86306	< 330.	UG/KG	3/23/90	N-Nitrosodiphenylamine
85FS-5	89.15883	87865	< 330.	UG/KG	3/23/90	Pentachlorophenol
85FS-5	89.15883	85018	< 330.	UG/KG	3/23/90	Phenanthrene
85FS-5	89.15883	108952	< 330.	UG/KG	3/23/90	Phenol
85FS-5	89.15883	129000	< 330.	UG/KG	3/23/90	Pyrene
85FS-5	89.15883	120821	< 330.	UG/KG	3/23/90	1,2,4-Trichlorobenzene
85FS-5	89.15883	95954	< 330.	UG/KG	3/23/90	2,4,5-Trichlorophenol
85FS-5	89.15883	88062	< 330.	UG/KG	3/23/90	2,4,6-Trichlorophenol

DRAFT

85FS-5	89.15883	105679	< 330.	UG/KG	3/[illegible] 90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-6	89.15884	83329	< 330.		UG/KG	3/27/90		Acenaphthene
85FS-6	89.15884	208968	< 330.		UG/KG	3/27/90		Acenaphthylene
85FS-6	89.15884	62533	< 330.		UG/KG	3/27/90		Aniline
85FS-6	89.15884	120127	< 330.		UG/KG	3/27/90		Anthracene
85FS-6	89.15884	103333	< 330.		UG/KG	3/27/90		Azobenzene
85FS-6	89.15884	56553	< 330.		UG/KG	3/27/90		Benz(a)anthracene
85FS-6	89.15884	92875	< 330.		UG/KG	3/27/90		m-Benzidine
85FS-6	89.15884	191242	< 330.		UG/KG	3/27/90		Benzo(g,h,i)perylene
85FS-6	89.15884	50328	< 330.		UG/KG	3/27/90		Benzo-a-pyrene
85FS-6	89.15884	205992	< 330.		UG/KG	3/27/90		Benzo-b-fluoranthene
85FS-6	89.15884	207089	< 330.		UG/KG	3/27/90		Benzo-k-fluoranthene
85FS-6	89.15884	65850	< 330.		UG/KG	3/27/90		Benzoic acid
85FS-6	89.15884	100516	< 330.		UG/KG	3/27/90		Benzyl alcohol
85FS-6	89.15884	111911	< 330.		UG/KG	3/27/90		Bis(2-chloroethoxy)methane
85FS-6	89.15884	111444	< 330.		UG/KG	3/27/90		Bis(2-chloroethyl)ether
85FS-6	89.15884	108601	< 330.		UG/KG	3/27/90		Bis(2-chloroisopropyl)ether
85FS-6	89.15884	117817	800.	160.	UG/KG	3/27/90		Bis(2-ethylhexyl)phthalate
85FS-6	89.15884	101553	< 330.		UG/KG	3/27/90		4-Bromophenylphenyl ether
85FS-6	89.15884	85687	< 330.		UG/KG	3/27/90		Butylbenzyl phthalate
85FS-6	89.15884	59507	< 330.		UG/KG	3/27/90		4-Chloro-3-methylphenol
85FS-6	89.15884	106478	< 330.		UG/KG	3/27/90		4-Chloroaniline
85FS-6	89.15884	91587	< 330.		UG/KG	3/27/90		2-Chloronaphthalene
85FS-6	89.15884	95578	< 330.		UG/KG	3/27/90		o-Chlorophenol
85FS-6	89.15884	7005723	< 330.		UG/KG	3/27/90		4-Chlorophenylphenyl ether
85FS-6	89.15884	218019	< 330.		UG/KG	3/27/90		Chrysene

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85FS-6	89.15884	106445	< 330.	UG/KG	3/27/90	p-Cresol
85FS-6	89.15884	84742	< 330.	UG/KG	3/27/90	Di-n-butyl phthalate
85FS-6	89.15884	117840	< 330.	UG/KG	3/27/90	Di-n-octyl phthalate
85FS-6	89.15884	53703	< 330.	UG/KG	3/27/90	Dibenzo(a,h)anthracene
85FS-6	89.15884	132649	< 330.	UG/KG	3/27/90	Dibenzofuran
85FS-6	89.15884	95501	< 330.	UG/KG	3/27/90	o-Dichlorobenzene (1,2)
85FS-6	89.15884	541731	< 330.	UG/KG	3/27/90	m-Dichlorobenzene (1,3)
85FS-6	89.15884	106467	< 330.	UG/KG	3/27/90	p-Dichlorobenzene (1,4)
85FS-6	89.15884	91941	< 330.	UG/KG	3/27/90	3,3'-Dichlorobenzidine
85FS-6	89.15884	120832	< 330.	UG/KG	3/27/90	2,4-Dichlorophenol
85FS-6	89.15884	84662	< 330.	UG/KG	3/27/90	Diethyl phthalate
85FS-6	89.15884	131113	< 330.	UG/KG	3/27/90	Dimethyl phthalate
85FS-6	89.15884	105679	< 330.	UG/KG	3/27/90	2,4-Dimethylphenol
85FS-6	89.15884	51285	< 330.	UG/KG	3/27/90	2,4-Dinitrophenol
85FS-6	89.15884	121142	< 330.	UG/KG	3/27/90	2,4-Dinitrotoluene
85FS-6	89.15884	606202	< 330.	UG/KG	3/27/90	2,6-Dinitrotoluene
85FS-6	89.15884	206440	< 330.	UG/KG	3/27/90	Fluoranthene
85FS-6	89.15884	86737	< 330.	UG/KG	3/27/90	Fluorene
85FS-6	89.15884	118741	< 330.	UG/KG	3/27/90	Hexachlorobenzene
85FS-6	89.15884	87683	< 330.	UG/KG	3/27/90	Hexachlorobutadiene
85FS-6	89.15884	77474	< 330.	UG/KG	3/27/90	Hexachlorocyclopentadiene
85FS-6	89.15884	67721	< 330.	UG/KG	3/27/90	Hexachloroethane
85FS-6	89.15884	193395	< 330.	UG/KG	3/27/90	Indeno(1,2,3-cd)pyrene
85FS-6	89.15884	78591	< 330.	UG/KG	3/27/90	Isophorone
85FS-6	89.15884	534521	< 330.	UG/KG	3/27/90	2-Methyl-4,6-dinitrophenol
85FS-6	89.15884	91576	< 330.	UG/KG	3/27/90	2-Methylnaphthalene
85FS-6	89.15884	95487	< 330.	UG/KG	3/27/90	2-Methylphenol
85FS-6	89.15884	106445	< 330.	UG/KG	3/27/90	4-Methylphenol
85FS-6	89.15884	91203	< 330.	UG/KG	3/27/90	Naphthalene
85FS-6	89.15884	88744	< 330.	UG/KG	3/27/90	2-Nitroaniline
85FS-6	89.15884	99092	< 330.	UG/KG	3/27/90	3-Nitroaniline
85FS-6	89.15884	100016	< 330.	UG/KG	3/27/90	4-Nitroaniline
85FS-6	89.15884	98953	< 330.	UG/KG	3/27/90	Nitrobenzene
85FS-6	89.15884	88755	< 330.	UG/KG	3/27/90	2-Nitrophenol
85FS-6	89.15884	100027	< 330.	UG/KG	3/27/90	4-Nitrophenol
85FS-6	89.15884	621647	< 330.	UG/KG	3/27/90	N-Nitrosodi-n-propylamine
85FS-6	89.15884	62759	< 330.	UG/KG	3/27/90	N-Nitrosodimethylamine
85FS-6	89.15884	86306	< 330.	UG/KG	3/27/90	N-Nitrosodiphenylamine
85FS-6	89.15884	87865	< 330.	UG/KG	3/27/90	Pentachlorophenol
85FS-6	89.15884	85018	< 330.	UG/KG	3/27/90	Phenanthrene
85FS-6	89.15884	108952	< 330.	UG/KG	3/27/90	Phenol
85FS-6	89.15884	129000	< 330.	UG/KG	3/27/90	Pyrene
85FS-6	89.15884	120821	< 330.	UG/KG	3/27/90	1,2,4-Trichlorobenzene
85FS-6	89.15884	95954	< 330.	UG/KG	3/27/90	2,4,5-Trichlorophenol
85FS-6	89.15884	88062	< 330.	UG/KG	3/27/90	2,4,6-Trichlorophenol

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85FS-6	89.15884	105679	< 330.	UG/KG	3/27/90	2,4-Xylenol

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REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-7	89.15885	83329	< 330.		UG/KG	3/27/90		Acenaphthene
85FS-7	89.15885	208968	< 330.		UG/KG	3/27/90		Acenaphthylene
85FS-7	89.15885	62533	< 330.		UG/KG	3/27/90		Aniline
85FS-7	89.15885	120127	< 330.		UG/KG	3/27/90		Anthracene
85FS-7	89.15885	103333	< 330.		UG/KG	3/27/90		Azobenzene
85FS-7	89.15885	56553	< 330.		UG/KG	3/27/90		Benz(a)anthracene
85FS-7	89.15885	92875	< 330.		UG/KG	3/27/90		m-Benzidine
85FS-7	89.15885	191242	< 330.		UG/KG	3/27/90		Benzo(g,h,i)perylene
85FS-7	89.15885	50328	< 330.		UG/KG	3/27/90		Benzo-a-pyrene
85FS-7	89.15885	205992	< 330.		UG/KG	3/27/90		Benzo-b-fluoranthene
85FS-7	89.15885	207089	< 330.		UG/KG	3/27/90		Benzo-k-fluoranthene
85FS-7	89.15885	65850	< 330.		UG/KG	3/27/90		Benzoic acid
85FS-7	89.15885	100516	< 330.		UG/KG	3/27/90		Benzyl alcohol
85FS-7	89.15885	111911	< 330.		UG/KG	3/27/90		Bis(2-chloroethoxy)methane
85FS-7	89.15885	111444	< 330.		UG/KG	3/27/90		Bis(2-chloroethyl)ether
85FS-7	89.15885	108601	< 330.		UG/KG	3/27/90		Bis(2-chloroisopropyl)ether
85FS-7	89.15885	117817	1700.	340.	UG/KG	3/27/90		Bis(2-ethylhexyl)phthalate
85FS-7	89.15885	101553	< 330.		UG/KG	3/27/90		4-Bromophenylphenyl ether
85FS-7	89.15885	85687	< 330.		UG/KG	3/27/90		Butylbenzyl phthalate
85FS-7	89.15885	59507	< 330.		UG/KG	3/27/90		4-Chloro-3-methylphenol
85FS-7	89.15885	106478	< 330.		UG/KG	3/27/90		4-Chloroaniline
85FS-7	89.15885	91587	< 330.		UG/KG	3/27/90		2-Chloronaphthalene
85FS-7	89.15885	95578	< 330.		UG/KG	3/27/90		o-Chlorophenol
85FS-7	89.15885	7005723	< 330.		UG/KG	3/27/90		4-Chlorophenylphenyl ether
85FS-7	89.15885	218019	< 330.		UG/KG	3/27/90		Chrysene

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85FS-7	89.15885	106445	< 330.	UG/KG	3/27/90	p-Cresol
85FS-7	89.15885	84742	< 330.	UG/KG	3/27/90	Di-n-butyl phthalate
85FS-7	89.15885	117840	< 330.	UG/KG	3/27/90	Di-n-octyl phthalate
85FS-7	89.15885	53703	< 330.	UG/KG	3/27/90	Dibenzo(a,h)anthracene
85FS-7	89.15885	132649	< 330.	UG/KG	3/27/90	Dibenzofuran
85FS-7	89.15885	95501	< 330.	UG/KG	3/27/90	o-Dichlorobenzene (1,2)
85FS-7	89.15885	541731	< 330.	UG/KG	3/27/90	m-Dichlorobenzene (1,3)
85FS-7	89.15885	106467	< 330.	UG/KG	3/27/90	p-Dichlorobenzene (1,4)
85FS-7	89.15885	91941	< 330.	UG/KG	3/27/90	3,3'-Dichlorobenzidine
85FS-7	89.15885	120832	< 330.	UG/KG	3/27/90	2,4-Dichlorophenol
85FS-7	89.15885	84662	< 330.	UG/KG	3/27/90	Diethyl phthalate
85FS-7	89.15885	131113	< 330.	UG/KG	3/27/90	Dimethyl phthalate
85FS-7	89.15885	105679	< 330.	UG/KG	3/27/90	2,4-Dimethylphenol
85FS-7	89.15885	51285	< 330.	UG/KG	3/27/90	2,4-Dinitrophenol
85FS-7	89.15885	121142	< 330.	UG/KG	3/27/90	2,4-Dinitrotoluene
85FS-7	89.15885	606202	< 330.	UG/KG	3/27/90	2,6-Dinitrotoluene
85FS-7	89.15885	206440	< 330.	UG/KG	3/27/90	Fluoranthene
85FS-7	89.15885	86737	< 330.	UG/KG	3/27/90	Fluorene
85FS-7	89.15885	118741	< 330.	UG/KG	3/27/90	Hexachlorobenzene
85FS-7	89.15885	87683	< 330.	UG/KG	3/27/90	Hexachlorobutadiene
85FS-7	89.15885	77474	< 330.	UG/KG	3/27/90	Hexachlorocyclopentadiene
85FS-7	89.15885	67721	< 330.	UG/KG	3/27/90	Hexachloroethane
85FS-7	89.15885	193395	< 330.	UG/KG	3/27/90	Indeno(1,2,3-cd)pyrene
85FS-7	89.15885	78591	< 330.	UG/KG	3/27/90	Isophorone
85FS-7	89.15885	534521	< 330.	UG/KG	3/27/90	2-Methyl-4,6-dinitrophenol
85FS-7	89.15885	91576	< 330.	UG/KG	3/27/90	2-Methylnaphthalene
85FS-7	89.15885	95487	< 330.	UG/KG	3/27/90	2-Methylphenol
85FS-7	89.15885	106445	< 330.	UG/KG	3/27/90	4-Methylphenol
85FS-7	89.15885	91203	< 330.	UG/KG	3/27/90	Naphthalene
85FS-7	89.15885	88744	< 330.	UG/KG	3/27/90	2-Nitroaniline
85FS-7	89.15885	99092	< 330.	UG/KG	3/27/90	3-Nitroaniline
85FS-7	89.15885	100016	< 330.	UG/KG	3/27/90	4-Nitroaniline
85FS-7	89.15885	98953	< 330.	UG/KG	3/27/90	Nitrobenzene
85FS-7	89.15885	88755	< 330.	UG/KG	3/27/90	2-Nitrophenol
85FS-7	89.15885	100027	< 330.	UG/KG	3/27/90	4-Nitrophenol
85FS-7	89.15885	621647	< 330.	UG/KG	3/27/90	N-Nitrosodi-n-propylamine
85FS-7	89.15885	62759	< 330.	UG/KG	3/27/90	N-Nitrosodimethylamine
85FS-7	89.15885	86306	< 330.	UG/KG	3/27/90	N-Nitrosodiphenylamine
85FS-7	89.15885	87865	< 330.	UG/KG	3/27/90	Pentachlorophenol
85FS-7	89.15885	85018	< 330.	UG/KG	3/27/90	Phenanthrene
85FS-7	89.15885	108952	< 330.	UG/KG	3/27/90	Phenol
85FS-7	89.15885	129000	< 330.	UG/KG	3/27/90	Pyrene
85FS-7	89.15885	120821	< 330.	UG/KG	3/27/90	1,2,4-Trichlorobenzene
85FS-7	89.15885	95954	< 330.	UG/KG	3/27/90	2,4,5-Trichlorophenol
85FS-7	89.15885	88062	< 330.	UG/KG	3/27/90	2,4,6-Trichlorophenol

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85FS-7	89.15885	105679	< 330.	UG/KG	3/27/90	2,4-Xylenol

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REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-8	89.15886	83329	< 6600.		UG/KG	3/28/90		Acenaphthene
85FS-8	89.15886	208968	< 6600.		UG/KG	3/28/90		Acenaphthylene
85FS-8	89.15886	62533	< 6600.		UG/KG	3/28/90		Aniline
85FS-8	89.15886	120127	< 6600.		UG/KG	3/28/90		Anthracene
85FS-8	89.15886	103333	< 6600.		UG/KG	3/28/90		Azobenzene
85FS-8	89.15886	56553	< 6600.		UG/KG	3/28/90		Benz(a)anthracene
85FS-8	89.15886	92875	< 6600.		UG/KG	3/28/90		m-Benzidine
85FS-8	89.15886	191242	< 6600.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-8	89.15886	50328	< 6600.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-8	89.15886	205992	< 6600.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-8	89.15886	207089	< 6600.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-8	89.15886	65850	< 6600.		UG/KG	3/28/90		Benzoic acid
85FS-8	89.15886	100516	< 6600.		UG/KG	3/28/90		Benzyl alcohol
85FS-8	89.15886	111911	< 6600.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-8	89.15886	111444	< 6600.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-8	89.15886	108601	< 6600.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-8	89.15886	117817	< 6600.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-8	89.15886	101553	< 6600.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-8	89.15886	85687	< 6600.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-8	89.15886	59507	< 6600.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-8	89.15886	106478	< 6600.		UG/KG	3/28/90		4-Chloroaniline
85FS-8	89.15886	91587	< 6600.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-8	89.15886	95578	< 6600.		UG/KG	3/28/90		o-Chlorophenol
85FS-8	89.15886	7005723	< 6600.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-8	89.15886	218019	< 6600.		UG/KG	3/28/90		Chrysene

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85FS-8	89.15886	106445	< 6600.	UG/KG	3/28/90	p-Cresol
85FS-8	89.15886	84742	< 6600.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-8	89.15886	117840	< 6600.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-8	89.15886	53703	< 6600.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-8	89.15886	132649	< 6600.	UG/KG	3/28/90	Dibenzofuran
85FS-8	89.15886	95501	< 6600.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-8	89.15886	541731	< 6600.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-8	89.15886	106467	< 6600.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-8	89.15886	91941	< 6600.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-8	89.15886	120832	< 6600.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-8	89.15886	84662	< 6600.	UG/KG	3/28/90	Diethyl phthalate
85FS-8	89.15886	131113	< 6600.	UG/KG	3/28/90	Dimethyl phthalate
85FS-8	89.15886	105679	< 6600.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-8	89.15886	51285	< 6600.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-8	89.15886	121142	< 6600.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-8	89.15886	606202	< 6600.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-8	89.15886	206440	< 6600.	UG/KG	3/28/90	Fluoranthene
85FS-8	89.15886	86737	< 6600.	UG/KG	3/28/90	Fluorene
85FS-8	89.15886	118741	< 6600.	UG/KG	3/28/90	Hexachlorobenzene
85FS-8	89.15886	87683	< 6600.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-8	89.15886	77474	< 6600.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-8	89.15886	67721	< 6600.	UG/KG	3/28/90	Hexachloroethane
85FS-8	89.15886	193395	< 6600.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-8	89.15886	78591	< 6600.	UG/KG	3/28/90	Isophorone
85FS-8	89.15886	534521	< 6600.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-8	89.15886	91576	< 6600.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-8	89.15886	95487	< 6600.	UG/KG	3/28/90	2-Methylphenol
85FS-8	89.15886	106445	< 6600.	UG/KG	3/28/90	4-Methylphenol
85FS-8	89.15886	91203	< 6600.	UG/KG	3/28/90	Naphthalene
85FS-8	89.15886	88744	< 6600.	UG/KG	3/28/90	2-Nitroaniline
85FS-8	89.15886	99092	< 6600.	UG/KG	3/28/90	3-Nitroaniline
85FS-8	89.15886	100016	< 6600.	UG/KG	3/28/90	4-Nitroaniline
85FS-8	89.15886	98953	< 6600.	UG/KG	3/28/90	Nitrobenzene
85FS-8	89.15886	88755	< 6600.	UG/KG	3/28/90	2-Nitrophenol
85FS-8	89.15886	100027	< 6600.	UG/KG	3/28/90	4-Nitrophenol
85FS-8	89.15886	621647	< 6600.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-8	89.15886	62759	< 6600.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-8	89.15886	86306	< 6600.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-8	89.15886	87865	< 6600.	UG/KG	3/28/90	Pentachlorophenol
85FS-8	89.15886	85018	< 6600.	UG/KG	3/28/90	Phenanthrene
85FS-8	89.15886	108952	< 6600.	UG/KG	3/28/90	Phenol
85FS-8	89.15886	129000	< 6600.	UG/KG	3/28/90	Pyrene
85FS-8	89.15886	120821	< 6600.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-8	89.15886	95954	< 6600.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-8	89.15886	88062	< 6600.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-8	89.15886	105679	< 6600.	UG/KG	3/ . . /90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-9	89.15887	83329	< 6600.		UG/KG	3/27/90		Acenaphthene
85FS-9	89.15887	208968	< 6600.		UG/KG	3/27/90		Acenaphthylene
85FS-9	89.15887	62533	< 6600.		UG/KG	3/27/90		Aniline
85FS-9	89.15887	120127	< 6600.		UG/KG	3/27/90		Anthracene
85FS-9	89.15887	103333	< 6600.		UG/KG	3/27/90		Azobenzene
85FS-9	89.15887	56553	< 6600.		UG/KG	3/27/90		Benz(a)anthracene
85FS-9	89.15887	92875	< 6600.		UG/KG	3/27/90		m-Benzidine
85FS-9	89.15887	191242	< 6600.		UG/KG	3/27/90		Benzo(g,h,i)perylene
85FS-9	89.15887	50328	< 6600.		UG/KG	3/27/90		Benzo-a-pyrene
85FS-9	89.15887	205992	< 6600.		UG/KG	3/27/90		Benzo-b-fluoranthene
85FS-9	89.15887	207089	< 6600.		UG/KG	3/27/90		Benzo-k-fluoranthene
85FS-9	89.15887	65850	< 6600.		UG/KG	3/27/90		Benzoic acid
85FS-9	89.15887	100516	< 6600.		UG/KG	3/27/90		Benzyl alcohol
85FS-9	89.15887	111911	< 6600.		UG/KG	3/27/90		Bis(2-chloroethoxy)methane
85FS-9	89.15887	111444	< 6600.		UG/KG	3/27/90		Bis(2-chloroethyl)ether
85FS-9	89.15887	108601	< 6600.		UG/KG	3/27/90		Bis(2-chloroisopropyl)ether
85FS-9	89.15887	117817	< 6600.		UG/KG	3/27/90		Bis(2-ethylhexyl)phthalate
85FS-9	89.15887	101553	< 6600.		UG/KG	3/27/90		4-Bromophenylphenyl ether
85FS-9	89.15887	85687	< 6600.		UG/KG	3/27/90		Butylbenzyl phthalate
85FS-9	89.15887	59507	< 6600.		UG/KG	3/27/90		4-Chloro-3-methylphenol
85FS-9	89.15887	106478	< 6600.		UG/KG	3/27/90		4-Chloroaniline
85FS-9	89.15887	91587	< 6600.		UG/KG	3/27/90		2-Chloronaphthalene
85FS-9	89.15887	95578	< 6600.		UG/KG	3/27/90		o-Chlorophenol
85FS-9	89.15887	7005723	< 6600.		UG/KG	3/27/90		4-Chlorophenylphenyl ether
85FS-9	89.15887	218019	< 6600.		UG/KG	3/27/90		Chrysene

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85FS-9	89.15887	106445	< 6600.	UG/KG	3/[illegible]/90	p-Cresol
85FS-9	89.15887	84742	< 6600.	UG/KG	3/27/90	Di-n-butyl phthalate
85FS-9	89.15887	117840	< 6600.	UG/KG	3/27/90	Di-n-octyl phthalate
85FS-9	89.15887	53703	< 6600.	UG/KG	3/27/90	Dibenzo(a,h)anthracene
85FS-9	89.15887	132649	< 6600.	UG/KG	3/27/90	Dibenzofuran
85FS-9	89.15887	95501	< 6600.	UG/KG	3/27/90	o-Dichlorobenzene (1,2)
85FS-9	89.15887	541731	< 6600.	UG/KG	3/27/90	m-Dichlorobenzene (1,3)
85FS-9	89.15887	106467	< 6600.	UG/KG	3/27/90	p-Dichlorobenzene (1,4)
85FS-9	89.15887	91941	< 6600.	UG/KG	3/27/90	3,3'-Dichlorobenzidine
85FS-9	89.15887	120832	< 6600.	UG/KG	3/27/90	2,4-Dichlorophenol
85FS-9	89.15887	84662	< 6600.	UG/KG	3/27/90	Diethyl phthalate
85FS-9	89.15887	131113	< 6600.	UG/KG	3/27/90	Dimethyl phthalate
85FS-9	89.15887	105679	< 6600.	UG/KG	3/27/90	2,4-Dimethylphenol
85FS-9	89.15887	51285	< 6600.	UG/KG	3/27/90	2,4-Dinitrophenol
85FS-9	89.15887	121142	< 6600.	UG/KG	3/27/90	2,4-Dinitrotoluene
85FS-9	89.15887	606202	< 6600.	UG/KG	3/27/90	2,6-Dinitrotoluene
85FS-9	89.15887	206440	< 6600.	UG/KG	3/27/90	Fluoranthene
85FS-9	89.15887	86737	< 6600.	UG/KG	3/27/90	Fluorene
85FS-9	89.15887	118741	< 6600.	UG/KG	3/27/90	Hexachlorobenzene
85FS-9	89.15887	87683	< 6600.	UG/KG	3/27/90	Hexachlorobutadiene
85FS-9	89.15887	77474	< 6600.	UG/KG	3/27/90	Hexachlorocyclopentadiene
85FS-9	89.15887	67721	< 6600.	UG/KG	3/27/90	Hexachloroethane
85FS-9	89.15887	193395	< 6600.	UG/KG	3/27/90	Indeno(1,2,3-cd)pyrene
85FS-9	89.15887	78591	< 6600.	UG/KG	3/27/90	Isophorone
85FS-9	89.15887	534521	< 6600.	UG/KG	3/27/90	2-Methyl-4,6-dinitrophenol
85FS-9	89.15887	91576	< 6600.	UG/KG	3/27/90	2-Methylnaphthalene
85FS-9	89.15887	95487	< 6600.	UG/KG	3/27/90	2-Methylphenol
85FS-9	89.15887	106445	< 6600.	UG/KG	3/27/90	4-Methylphenol
85FS-9	89.15887	91203	< 6600.	UG/KG	3/27/90	Naphthalene
85FS-9	89.15887	88744	< 6600.	UG/KG	3/27/90	2-Nitroaniline
85FS-9	89.15887	99092	< 6600.	UG/KG	3/27/90	3-Nitroaniline
85FS-9	89.15887	100016	< 6600.	UG/KG	3/27/90	4-Nitroaniline
85FS-9	89.15887	98953	< 6600.	UG/KG	3/27/90	Nitrobenzene
85FS-9	89.15887	88755	< 6600.	UG/KG	3/27/90	2-Nitrophenol
85FS-9	89.15887	100027	< 6600.	UG/KG	3/27/90	4-Nitrophenol
85FS-9	89.15887	621647	< 6600.	UG/KG	3/27/90	N-Nitrosodi-n-propylamine
85FS-9	89.15887	62759	< 6600.	UG/KG	3/27/90	N-Nitrosodimethylamine
85FS-9	89.15887	86306	< 6600.	UG/KG	3/27/90	N-Nitrosodiphenylamine
85FS-9	89.15887	87865	< 6600.	UG/KG	3/27/90	Pentachlorophenol
85FS-9	89.15887	85018	< 6600.	UG/KG	3/27/90	Phenanthrene
85FS-9	89.15887	108952	< 6600.	UG/KG	3/27/90	Phenol
85FS-9	89.15887	129000	< 6600.	UG/KG	3/27/90	Pyrene
85FS-9	89.15887	120821	< 6600.	UG/KG	3/27/90	1,2,4-Trichlorobenzene
85FS-9	89.15887	95954	< 6600.	UG/KG	3/27/90	2,4,5-Trichlorophenol
85FS-9	89.15887	88062	< 6600.	UG/KG	3/27/90	2,4,6-Trichlorophenol

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85FS-9	89.15887	105679	< 6600.	UG/KG	3/27/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-10	89.15888	83329	< 1287.		UG/KG	3/28/90		Acenaphthene
85FS-10	89.15888	208968	< 1287.		UG/KG	3/28/90		Acenaphthylene
85FS-10	89.15888	62533	< 1287.		UG/KG	3/28/90		Aniline
85FS-10	89.15888	120127	< 1287.		UG/KG	3/28/90		Anthracene
85FS-10	89.15888	103333	< 1287.		UG/KG	3/28/90		Azobenzene
85FS-10	89.15888	56553	< 1287.		UG/KG	3/28/90		Benz(a)anthracene
85FS-10	89.15888	92875	< 1287.		UG/KG	3/28/90		m-Benzidine
85FS-10	89.15888	191242	< 1287.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-10	89.15888	50328	< 1287.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-10	89.15888	205992	< 1287.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-10	89.15888	207089	< 1287.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-10	89.15888	65850	< 1287.		UG/KG	3/28/90		Benzoic acid
85FS-10	89.15888	100516	< 1287.		UG/KG	3/28/90		Benzyl alcohol
85FS-10	89.15888	111911	< 1287.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-10	89.15888	111444	< 1287.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-10	89.15888	108601	< 1287.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-10	89.15888	117817	< 1287.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-10	89.15888	101553	< 1287.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-10	89.15888	85687	< 1287.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-10	89.15888	59507	< 1287.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-10	89.15888	106478	< 1287.		UG/KG	3/28/90		4-Chloroaniline
85FS-10	89.15888	91587	< 1287.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-10	89.15888	95578	< 1287.		UG/KG	3/28/90		o-Chlorophenol
85FS-10	89.15888	7005723	< 1287.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-10	89.15888	218019	< 1287.		UG/KG	3/28/90		Chrysene

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85FS-10	89.15888	106445	< 1287.	UG/KG	3/28/90	p-Cresol
85FS-10	89.15888	84742	< 1287.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-10	89.15888	117840	< 1287.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-10	89.15888	53703	< 1287.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-10	89.15888	132649	< 1287.	UG/KG	3/28/90	Dibenzofuran
85FS-10	89.15888	95501	< 1287.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-10	89.15888	541731	< 1287.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-10	89.15888	106467	< 1287.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-10	89.15888	91941	< 1287.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-10	89.15888	120832	< 1287.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-10	89.15888	84662	< 1287.	UG/KG	3/28/90	Diethyl phthalate
85FS-10	89.15888	131113	< 1287.	UG/KG	3/28/90	Dimethyl phthalate
85FS-10	89.15888	105679	< 1287.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-10	89.15888	51285	< 1287.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-10	89.15888	121142	< 1287.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-10	89.15888	606202	< 1287.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-10	89.15888	206440	< 1287.	UG/KG	3/28/90	Fluoranthene
85FS-10	89.15888	86737	< 1287.	UG/KG	3/28/90	Fluorene
85FS-10	89.15888	118741	< 1287.	UG/KG	3/28/90	Hexachlorobenzene
85FS-10	89.15888	87683	< 1287.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-10	89.15888	77474	< 1287.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-10	89.15888	67721	< 1287.	UG/KG	3/28/90	Hexachloroethane
85FS-10	89.15888	193395	< 1287.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-10	89.15888	78591	< 1287.	UG/KG	3/28/90	Isophorone
85FS-10	89.15888	534521	< 1287.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-10	89.15888	91576	< 1287.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-10	89.15888	95487	< 1287.	UG/KG	3/28/90	2-Methylphenol
85FS-10	89.15888	106445	< 1287.	UG/KG	3/28/90	4-Methylphenol
85FS-10	89.15888	91203	< 1287.	UG/KG	3/28/90	Naphthalene
85FS-10	89.15888	88744	< 1287.	UG/KG	3/28/90	2-Nitroaniline
85FS-10	89.15888	99092	< 1287.	UG/KG	3/28/90	3-Nitroaniline
85FS-10	89.15888	100016	< 1287.	UG/KG	3/28/90	4-Nitroaniline
85FS-10	89.15888	98953	< 1287.	UG/KG	3/28/90	Nitrobenzene
85FS-10	89.15888	88755	< 1287.	UG/KG	3/28/90	2-Nitrophenol
85FS-10	89.15888	100027	< 1287.	UG/KG	3/28/90	4-Nitrophenol
85FS-10	89.15888	621647	< 1287.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-10	89.15888	62759	< 1287.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-10	89.15888	86306	< 1287.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-10	89.15888	87865	< 1287.	UG/KG	3/28/90	Pentachlorophenol
85FS-10	89.15888	85018	< 1287.	UG/KG	3/28/90	Phenanthrene
85FS-10	89.15888	108952	< 1287.	UG/KG	3/28/90	Phenol
85FS-10	89.15888	129000	< 1287.	UG/KG	3/28/90	Pyrene
85FS-10	89.15888	120821	< 1287.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-10	89.15888	95954	< 1287.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-10	89.15888	88062	< 1287.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-10	89.15888	105679	< 1287.	UG/KG	3/28/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-11	89.15889	83329	< 330.		UG/KG	3/27/90		Acenaphthene
85FS-11	89.15889	208968	< 330.		UG/KG	3/27/90		Acenaphthylene
85FS-11	89.15889	62533	< 330.		UG/KG	3/27/90		Aniline
85FS-11	89.15889	120127	< 330.		UG/KG	3/27/90		Anthracene
85FS-11	89.15889	103333	< 330.		UG/KG	3/27/90		Azobenzene
85FS-11	89.15889	56553	< 330.		UG/KG	3/27/90		Benz(a)anthracene
85FS-11	89.15889	92875	< 330.		UG/KG	3/27/90		m-Benzidine
85FS-11	89.15889	191242	< 330.		UG/KG	3/27/90		Benzo(g,h,i)perylene
85FS-11	89.15889	50328	< 330.		UG/KG	3/27/90		Benzo-a-pyrene
85FS-11	89.15889	205992	< 330.		UG/KG	3/27/90		Benzo-b-fluoranthene
85FS-11	89.15889	207089	< 330.		UG/KG	3/27/90		Benzo-k-fluoranthene
85FS-11	89.15889	65850	< 330.		UG/KG	3/27/90		Benzoic acid
85FS-11	89.15889	100516	< 330.		UG/KG	3/27/90		Benzyl alcohol
85FS-11	89.15889	111911	< 330.		UG/KG	3/27/90		Bis(2-chloroethoxy)methane
85FS-11	89.15889	111444	< 330.		UG/KG	3/27/90		Bis(2-chloroethyl)ether
85FS-11	89.15889	108601	< 330.		UG/KG	3/27/90		Bis(2-chloroisopropyl)ether
85FS-11	89.15889	117817	380.	76.	UG/KG	3/27/90		Bis(2-ethylhexyl)phthalate
85FS-11	89.15889	101553	< 330.		UG/KG	3/27/90		4-Bromophenylphenyl ether
85FS-11	89.15889	85687	< 330.		UG/KG	3/27/90		Butylbenzyl phthalate
85FS-11	89.15889	59507	< 330.		UG/KG	3/27/90		4-Chloro-3-methylphenol
85FS-11	89.15889	106478	< 330.		UG/KG	3/27/90		4-Chloroaniline
85FS-11	89.15889	91587	< 330.		UG/KG	3/27/90		2-Chloronaphthalene
85FS-11	89.15889	95578	< 330.		UG/KG	3/27/90		o-Chlorophenol
85FS-11	89.15889	7005723	< 330.		UG/KG	3/27/90		4-Chlorophenylphenyl ether
85FS-11	89.15889	218019	< 330.		UG/KG	3/27/90		Chrysene

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85FS-11	89.15889	106445	< 330.	UG/KG	3/27/90	p-Cresol
85FS-11	89.15889	84742	< 330.	UG/KG	3/27/90	Di-n-butyl phthalate
85FS-11	89.15889	117840	< 330.	UG/KG	3/27/90	Di-n-octyl phthalate
85FS-11	89.15889	53703	< 330.	UG/KG	3/27/90	Dibenzo(a,h)anthracene
85FS-11	89.15889	132649	< 330.	UG/KG	3/27/90	Dibenzofuran
85FS-11	89.15889	95501	< 330.	UG/KG	3/27/90	o-Dichlorobenzene (1,2)
85FS-11	89.15889	541731	< 330.	UG/KG	3/27/90	m-Dichlorobenzene (1,3)
85FS-11	89.15889	106467	< 330.	UG/KG	3/27/90	p-Dichlorobenzene (1,4)
85FS-11	89.15889	91941	< 330.	UG/KG	3/27/90	3,3'-Dichlorobenzidine
85FS-11	89.15889	120832	< 330.	UG/KG	3/27/90	2,4-Dichlorophenol
85FS-11	89.15889	84662	< 330.	UG/KG	3/27/90	Diethyl phthalate
85FS-11	89.15889	131113	< 330.	UG/KG	3/27/90	Dimethyl phthalate
85FS-11	89.15889	105679	< 330.	UG/KG	3/27/90	2,4-Dimethylphenol
85FS-11	89.15889	51285	< 330.	UG/KG	3/27/90	2,4-Dinitrophenol
85FS-11	89.15889	121142	< 330.	UG/KG	3/27/90	2,4-Dinitrotoluene
85FS-11	89.15889	606202	< 330.	UG/KG	3/27/90	2,6-Dinitrotoluene
85FS-11	89.15889	206440	< 330.	UG/KG	3/27/90	Fluoranthene
85FS-11	89.15889	86737	< 330.	UG/KG	3/27/90	Fluorene
85FS-11	89.15889	118741	< 330.	UG/KG	3/27/90	Hexachlorobenzene
85FS-11	89.15889	87683	< 330.	UG/KG	3/27/90	Hexachlorobutadiene
85FS-11	89.15889	77474	< 330.	UG/KG	3/27/90	Hexachlorocyclopentadiene
85FS-11	89.15889	67721	< 330.	UG/KG	3/27/90	Hexachloroethane
85FS-11	89.15889	193395	< 330.	UG/KG	3/27/90	Indeno(1,2,3-cd)pyrene
85FS-11	89.15889	78591	< 330.	UG/KG	3/27/90	Isophorone
85FS-11	89.15889	534521	< 330.	UG/KG	3/27/90	2-Methyl-4,6-dinitrophenol
85FS-11	89.15889	91576	< 330.	UG/KG	3/27/90	2-Methylnaphthalene
85FS-11	89.15889	95487	< 330.	UG/KG	3/27/90	2-Methylphenol
85FS-11	89.15889	106445	< 330.	UG/KG	3/27/90	4-Methylphenol
85FS-11	89.15889	91203	< 330.	UG/KG	3/27/90	Naphthalene
85FS-11	89.15889	88744	< 330.	UG/KG	3/27/90	2-Nitroaniline
85FS-11	89.15889	99092	< 330.	UG/KG	3/27/90	3-Nitroaniline
85FS-11	89.15889	100016	< 330.	UG/KG	3/27/90	4-Nitroaniline
85FS-11	89.15889	98953	< 330.	UG/KG	3/27/90	Nitrobenzene
85FS-11	89.15889	88755	< 330.	UG/KG	3/27/90	2-Nitrophenol
85FS-11	89.15889	100027	< 330.	UG/KG	3/27/90	4-Nitrophenol
85FS-11	89.15889	621647	< 330.	UG/KG	3/27/90	N-Nitrosodi-n-propylamine
85FS-11	89.15889	62759	< 330.	UG/KG	3/27/90	N-Nitrosodimethylamine
85FS-11	89.15889	86306	< 330.	UG/KG	3/27/90	N-Nitrosodiphenylamine
85FS-11	89.15889	87865	< 330.	UG/KG	3/27/90	Pentachlorophenol
85FS-11	89.15889	85018	< 330.	UG/KG	3/27/90	Phenanthrene
85FS-11	89.15889	108952	< 330.	UG/KG	3/27/90	Phenol
85FS-11	89.15889	129000	< 330.	UG/KG	3/27/90	Pyrene
85FS-11	89.15889	120821	< 330.	UG/KG	3/27/90	1,2,4-Trichlorobenzene
85FS-11	89.15889	95954	< 330.	UG/KG	3/27/90	2,4,5-Trichlorophenol
85FS-11	89.15889	88062	< 330.	UG/KG	3/27/90	2,4,6-Trichlorophenol

DRAFT

85FS-11	89.15889	105679	< 330.	UG/KG	3[illegible]/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-12	89.15890	83329	< 1716.		UG/KG	3/28/90		Acenaphthene
85FS-12	89.15890	208968	< 1716.		UG/KG	3/28/90		Acenaphthylene
85FS-12	89.15890	62533	< 1716.		UG/KG	3/28/90		Aniline
85FS-12	89.15890	120127	< 1716.		UG/KG	3/28/90		Anthracene
85FS-12	89.15890	103333	< 1716.		UG/KG	3/28/90		Azobenzene
85FS-12	89.15890	56553	< 1716.		UG/KG	3/28/90		Benz(a)anthracene
85FS-12	89.15890	92875	< 1716.		UG/KG	3/28/90		m-Benzidine
85FS-12	89.15890	191242	< 1716.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-12	89.15890	50328	< 1716.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-12	89.15890	205992	< 1716.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-12	89.15890	207089	< 1716.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-12	89.15890	65850	< 1716.		UG/KG	3/28/90		Benzoic acid
85FS-12	89.15890	100516	< 1716.		UG/KG	3/28/90		Benzyl alcohol
85FS-12	89.15890	111911	< 1716.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-12	89.15890	111444	< 1716.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-12	89.15890	108601	< 1716.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-12	89.15890	117817	< 1716.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-12	89.15890	101553	< 1716.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-12	89.15890	85687	< 1716.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-12	89.15890	59507	< 1716.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-12	89.15890	106478	< 1716.		UG/KG	3/28/90		4-Chloroaniline
85FS-12	89.15890	91587	< 1716.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-12	89.15890	95578	< 1716.		UG/KG	3/28/90		o-Chlorophenol
85FS-12	89.15890	7005723	< 1716.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-12	89.15890	218019	< 1716.		UG/KG	3/28/90		Chrysene

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85FS-12	89.15890	106445	< 1716.	UG/KG	3/28/90	p-Cresol
85FS-12	89.15890	84742	< 1716.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-12	89.15890	117840	< 1716.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-12	89.15890	53703	< 1716.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-12	89.15890	132649	< 1716.	UG/KG	3/28/90	Dibenzofuran
85FS-12	89.15890	95501	< 1716.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-12	89.15890	541731	< 1716.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-12	89.15890	106467	< 1716.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-12	89.15890	91941	< 1716.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-12	89.15890	120832	< 1716.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-12	89.15890	84662	< 1716.	UG/KG	3/28/90	Diethyl phthalate
85FS-12	89.15890	131113	< 1716.	UG/KG	3/28/90	Dimethyl phthalate
85FS-12	89.15890	105679	< 1716.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-12	89.15890	51285	< 1716.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-12	89.15890	121142	< 1716.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-12	89.15890	606202	< 1716.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-12	89.15890	206440	< 1716.	UG/KG	3/28/90	Fluoranthene
85FS-12	89.15890	86737	< 1716.	UG/KG	3/28/90	Fluorene
85FS-12	89.15890	118741	< 1716.	UG/KG	3/28/90	Hexachlorobenzene
85FS-12	89.15890	87683	< 1716.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-12	89.15890	77474	< 1716.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-12	89.15890	67721	< 1716.	UG/KG	3/28/90	Hexachloroethane
85FS-12	89.15890	193395	< 1716.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-12	89.15890	78591	< 1716.	UG/KG	3/28/90	Isophorone
85FS-12	89.15890	534521	< 1716.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-12	89.15890	91576	< 1716.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-12	89.15890	95487	< 1716.	UG/KG	3/28/90	2-Methylphenol
85FS-12	89.15890	106445	< 1716.	UG/KG	3/28/90	4-Methylphenol
85FS-12	89.15890	91203	< 1716.	UG/KG	3/28/90	Naphthalene
85FS-12	89.15890	88744	< 1716.	UG/KG	3/28/90	2-Nitroaniline
85FS-12	89.15890	99092	< 1716.	UG/KG	3/28/90	3-Nitroaniline
85FS-12	89.15890	100016	< 1716.	UG/KG	3/28/90	4-Nitroaniline
85FS-12	89.15890	98953	< 1716.	UG/KG	3/28/90	Nitrobenzene
85FS-12	89.15890	88755	< 1716.	UG/KG	3/28/90	2-Nitrophenol
85FS-12	89.15890	100027	< 1716.	UG/KG	3/28/90	4-Nitrophenol
85FS-12	89.15890	621647	< 1716.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-12	89.15890	62759	< 1716.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-12	89.15890	86306	< 1716.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-12	89.15890	87865	< 1716.	UG/KG	3/28/90	Pentachlorophenol
85FS-12	89.15890	85018	< 1716.	UG/KG	3/28/90	Phenanthrene
85FS-12	89.15890	108952	< 1716.	UG/KG	3/28/90	Phenol
85FS-12	89.15890	129000	< 1716.	UG/KG	3/28/90	Pyrene
85FS-12	89.15890	120821	< 1716.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-12	89.15890	95954	< 1716.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-12	89.15890	88062	< 1716.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-12	89.15890	105679	< 1716.	UG/KG	3/28/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-14	89.15892	83329	< 330.		UG/KG	3/27/90		Acenaphthene
85FS-14	89.15892	208968	< 330.		UG/KG	3/27/90		Acenaphthylene
85FS-14	89.15892	62533	< 330.		UG/KG	3/27/90		Aniline
85FS-14	89.15892	120127	< 330.		UG/KG	3/27/90		Anthracene
85FS-14	89.15892	103333	< 330.		UG/KG	3/27/90		Azobenzene
85FS-14	89.15892	56553	< 330.		UG/KG	3/27/90		Benz(a)anthracene
85FS-14	89.15892	92875	< 330.		UG/KG	3/27/90		m-Benzidine
85FS-14	89.15892	191242	< 330.		UG/KG	3/27/90		Benzo(g,h,i)perylene
85FS-14	89.15892	50328	< 330.		UG/KG	3/27/90		Benzo-a-pyrene
85FS-14	89.15892	205992	< 330.		UG/KG	3/27/90		Benzo-b-fluoranthene
85FS-14	89.15892	207089	< 330.		UG/KG	3/27/90		Benzo-k-fluoranthene
85FS-14	89.15892	65850	< 330.		UG/KG	3/27/90		Benzoic acid
85FS-14	89.15892	100516	< 330.		UG/KG	3/27/90		Benzyl alcohol
85FS-14	89.15892	111911	< 330.		UG/KG	3/27/90		Bis(2-chloroethoxy)methane
85FS-14	89.15892	111444	< 330.		UG/KG	3/27/90		Bis(2-chloroethyl)ether
85FS-14	89.15892	108601	< 330.		UG/KG	3/27/90		Bis(2-chloroisopropyl)ether
85FS-14	89.15892	117817	720.	144.	UG/KG	3/27/90		Bis(2-ethylhexyl)phthalate
85FS-14	89.15892	101553	< 330.		UG/KG	3/27/90		4-Bromophenylphenyl ether
85FS-14	89.15892	85687	< 330.		UG/KG	3/27/90		Butylbenzyl phthalate
85FS-14	89.15892	59507	< 330.		UG/KG	3/27/90		4-Chloro-3-methylphenol
85FS-14	89.15892	106478	< 330.		UG/KG	3/27/90		4-Chloroaniline
85FS-14	89.15892	91587	< 330.		UG/KG	3/27/90		2-Chloronaphthalene
85FS-14	89.15892	95578	< 330.		UG/KG	3/27/90		o-Chlorophenol
85FS-14	89.15892	7005723	< 330.		UG/KG	3/27/90		4-Chlorophenylphenyl ether
85FS-14	89.15892	218019	< 330.		UG/KG	3/27/90		Chrysene

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85FS-14	89.15892	106445	< 330.	UG/KG	3/27/90	p-Cresol
85FS-14	89.15892	84742	< 330.	UG/KG	3/27/90	Di-n-butyl phthalate
85FS-14	89.15892	117840	< 330.	UG/KG	3/27/90	Di-n-octyl phthalate
85FS-14	89.15892	53703	< 330.	UG/KG	3/27/90	Dibenzo(a,h)anthracene
85FS-14	89.15892	132649	< 330.	UG/KG	3/27/90	Dibenzofuran
85FS-14	89.15892	95501	< 330.	UG/KG	3/27/90	o-Dichlorobenzene (1,2)
85FS-14	89.15892	541731	< 330.	UG/KG	3/27/90	m-Dichlorobenzene (1,3)
85FS-14	89.15892	106467	< 330.	UG/KG	3/27/90	p-Dichlorobenzene (1,4)
85FS-14	89.15892	91941	< 330.	UG/KG	3/27/90	3,3'-Dichlorobenzidine
85FS-14	89.15892	120832	< 330.	UG/KG	3/27/90	2,4-Dichlorophenol
85FS-14	89.15892	84662	< 330.	UG/KG	3/27/90	Diethyl phthalate
85FS-14	89.15892	131113	< 330.	UG/KG	3/27/90	Dimethyl phthalate
85FS-14	89.15892	105679	< 330.	UG/KG	3/27/90	2,4-Dimethylphenol
85FS-14	89.15892	51285	< 330.	UG/KG	3/27/90	2,4-Dinitrophenol
85FS-14	89.15892	121142	< 330.	UG/KG	3/27/90	2,4-Dinitrotoluene
85FS-14	89.15892	606202	< 330.	UG/KG	3/27/90	2,6-Dinitrotoluene
85FS-14	89.15892	206440	< 330.	UG/KG	3/27/90	Fluoranthene
85FS-14	89.15892	86737	< 330.	UG/KG	3/27/90	Fluorene
85FS-14	89.15892	118741	< 330.	UG/KG	3/27/90	Hexachlorobenzene
85FS-14	89.15892	87683	< 330.	UG/KG	3/27/90	Hexachlorobutadiene
85FS-14	89.15892	77474	< 330.	UG/KG	3/27/90	Hexachlorocyclopentadiene
85FS-14	89.15892	67721	< 330.	UG/KG	3/27/90	Hexachloroethane
85FS-14	89.15892	193395	< 330.	UG/KG	3/27/90	Indeno(1,2,3-cd)pyrene
85FS-14	89.15892	78591	< 330.	UG/KG	3/27/90	Isophorone
85FS-14	89.15892	534521	< 330.	UG/KG	3/27/90	2-Methyl-4,6-dinitrophenol
85FS-14	89.15892	91576	< 330.	UG/KG	3/27/90	2-Methylnaphthalene
85FS-14	89.15892	95487	< 330.	UG/KG	3/27/90	2-Methylphenol
85FS-14	89.15892	106445	< 330.	UG/KG	3/27/90	4-Methylphenol
85FS-14	89.15892	91203	< 330.	UG/KG	3/27/90	Naphthalene
85FS-14	89.15892	88744	< 330.	UG/KG	3/27/90	2-Nitroaniline
85FS-14	89.15892	99092	< 330.	UG/KG	3/27/90	3-Nitroaniline
85FS-14	89.15892	100016	< 330.	UG/KG	3/27/90	4-Nitroaniline
85FS-14	89.15892	98953	< 330.	UG/KG	3/27/90	Nitrobenzene
85FS-14	89.15892	88755	< 330.	UG/KG	3/27/90	2-Nitrophenol
85FS-14	89.15892	100027	< 330.	UG/KG	3/27/90	4-Nitrophenol
85FS-14	89.15892	621647	< 330.	UG/KG	3/27/90	N-Nitrosodi-n-propylamine
85FS-14	89.15892	62759	< 330.	UG/KG	3/27/90	N-Nitrosodimethylamine
85FS-14	89.15892	86306	< 330.	UG/KG	3/27/90	N-Nitrosodiphenylamine
85FS-14	89.15892	87865	< 330.	UG/KG	3/27/90	Pentachlorophenol
85FS-14	89.15892	85018	< 330.	UG/KG	3/27/90	Phenanthrene
85FS-14	89.15892	108952	< 330.	UG/KG	3/27/90	Phenol
85FS-14	89.15892	129000	< 330.	UG/KG	3/27/90	Pyrene
85FS-14	89.15892	120821	< 330.	UG/KG	3/27/90	1,2,4-Trichlorobenzene
85FS-14	89.15892	95954	< 330.	UG/KG	3/27/90	2,4,5-Trichlorophenol
85FS-14	89.15892	88062	< 330.	UG/KG	3/27/90	2,4,6-Trichlorophenol

DRAFT

85FS-14	89.15892	105679	< 330.	UG/KG	3/27/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-15	89.15893	83329	< 1287.		UG/KG	3/28/90		Acenaphthene
85FS-15	89.15893	208968	< 1287.		UG/KG	3/28/90		Acenaphthylene
85FS-15	89.15893	62533	< 1287.		UG/KG	3/28/90		Aniline
85FS-15	89.15893	120127	< 1287.		UG/KG	3/28/90		Anthracene
85FS-15	89.15893	103333	< 1287.		UG/KG	3/28/90		Azobenzene
85FS-15	89.15893	56553	< 1287.		UG/KG	3/28/90		Benz(a)anthracene
85FS-15	89.15893	92875	< 1287.		UG/KG	3/28/90		m-Benzidine
85FS-15	89.15893	191242	< 1287.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-15	89.15893	50328	< 1287.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-15	89.15893	205992	< 1287.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-15	89.15893	207089	< 1287.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-15	89.15893	65850	< 1287.		UG/KG	3/28/90		Benzoic acid
85FS-15	89.15893	100516	< 1287.		UG/KG	3/28/90		Benzyl alcohol
85FS-15	89.15893	111911	< 1287.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-15	89.15893	111444	< 1287.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-15	89.15893	108601	< 1287.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-15	89.15893	117817	< 1287.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-15	89.15893	101553	< 1287.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-15	89.15893	85687	< 1287.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-15	89.15893	59507	< 1287.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-15	89.15893	106478	< 1287.		UG/KG	3/28/90		4-Chloroaniline
85FS-15	89.15893	91587	< 1287.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-15	89.15893	95578	< 1287.		UG/KG	3/28/90		o-Chlorophenol
85FS-15	89.15893	7005723	< 1287.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-15	89.15893	218019	< 1287.		UG/KG	3/28/90		Chrysene

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85FS-15	89.15893	106445	< 1287.	UG/KG	3/28/90	p-Cresol
85FS-15	89.15893	84742	< 1287.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-15	89.15893	117840	< 1287.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-15	89.15893	53703	< 1287.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-15	89.15893	132649	< 1287.	UG/KG	3/28/90	Dibenzofuran
85FS-15	89.15893	95501	< 1287.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-15	89.15893	541731	< 1287.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-15	89.15893	106467	< 1287.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-15	89.15893	91941	< 1287.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-15	89.15893	120832	< 1287.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-15	89.15893	84662	< 1287.	UG/KG	3/28/90	Diethyl phthalate
85FS-15	89.15893	131113	< 1287.	UG/KG	3/28/90	Dimethyl phthalate
85FS-15	89.15893	105679	< 1287.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-15	89.15893	51285	< 1287.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-15	89.15893	121142	< 1287.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-15	89.15893	606202	< 1287.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-15	89.15893	206440	< 1287.	UG/KG	3/28/90	Fluoranthene
85FS-15	89.15893	86737	< 1287.	UG/KG	3/28/90	Fluorene
85FS-15	89.15893	118741	< 1287.	UG/KG	3/28/90	Hexachlorobenzene
85FS-15	89.15893	87683	< 1287.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-15	89.15893	77474	< 1287.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-15	89.15893	67721	< 1287.	UG/KG	3/28/90	Hexachloroethane
85FS-15	89.15893	193395	< 1287.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-15	89.15893	78591	< 1287.	UG/KG	3/28/90	Isophorone
85FS-15	89.15893	534521	< 1287.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-15	89.15893	91576	< 1287.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-15	89.15893	95487	< 1287.	UG/KG	3/28/90	2-Methylphenol
85FS-15	89.15893	106445	< 1287.	UG/KG	3/28/90	4-Methylphenol
85FS-15	89.15893	91203	< 1287.	UG/KG	3/28/90	Naphthalene
85FS-15	89.15893	88744	< 1287.	UG/KG	3/28/90	2-Nitroaniline
85FS-15	89.15893	99092	< 1287.	UG/KG	3/28/90	3-Nitroaniline
85FS-15	89.15893	100016	< 1287.	UG/KG	3/28/90	4-Nitroaniline
85FS-15	89.15893	98953	< 1287.	UG/KG	3/28/90	Nitrobenzene
85FS-15	89.15893	88755	< 1287.	UG/KG	3/28/90	2-Nitrophenol
85FS-15	89.15893	100027	< 1287.	UG/KG	3/28/90	4-Nitrophenol
85FS-15	89.15893	621647	< 1287.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-15	89.15893	62759	< 1287.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-15	89.15893	86306	< 1287.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-15	89.15893	87865	< 1287.	UG/KG	3/28/90	Pentachlorophenol
85FS-15	89.15893	85018	< 1287.	UG/KG	3/28/90	Phenanthrene
85FS-15	89.15893	108952	< 1287.	UG/KG	3/28/90	Phenol
85FS-15	89.15893	129000	< 1287.	UG/KG	3/28/90	Pyrene
85FS-15	89.15893	120821	< 1287.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-15	89.15893	95954	< 1287.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-15	89.15893	88062	< 1287.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-15	89.15893	105679	< 1287.	UG/KG	3/20/90	2,4-Xylenol

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REPORT NU. _R: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-16	89.15894	83329	< 1287.		UG/KG	3/28/90		Acenaphthene
85FS-16	89.15894	208968	< 1287.		UG/KG	3/28/90		Acenaphthylene
85FS-16	89.15894	62533	< 1287.		UG/KG	3/28/90		Aniline
85FS-16	89.15894	120127	< 1287.		UG/KG	3/28/90		Anthracene
85FS-16	89.15894	103333	< 1287.		UG/KG	3/28/90		Azobenzene
85FS-16	89.15894	56553	< 1287.		UG/KG	3/28/90		Benz(a)anthracene
85FS-16	89.15894	92875	< 1287.		UG/KG	3/28/90		m-Benzidine
85FS-16	89.15894	191242	< 1287.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-16	89.15894	50328	< 1287.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-16	89.15894	205992	< 1287.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-16	89.15894	207089	< 1287.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-16	89.15894	65850	< 1287.		UG/KG	3/28/90		Benzoic acid
85FS-16	89.15894	100516	< 1287.		UG/KG	3/28/90		Benzyl alcohol
85FS-16	89.15894	111911	< 1287.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-16	89.15894	111444	< 1287.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-16	89.15894	108601	< 1287.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-16	89.15894	117817	< 1287.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-16	89.15894	101553	< 1287.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-16	89.15894	85687	< 1287.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-16	89.15894	59507	< 1287.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-16	89.15894	106478	< 1287.		UG/KG	3/28/90		4-Chloroaniline
85FS-16	89.15894	91587	< 1287.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-16	89.15894	95578	< 1287.		UG/KG	3/28/90		o-Chlorophenol
85FS-16	89.15894	7005723	< 1287.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-16	89.15894	218019	< 1287.		UG/KG	3/28/90		Chrysene

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85FS-16	89.15894	106445	< 1287.	UG/KG	3/28/90	p-Cresol
85FS-16	89.15894	84742	< 1287.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-16	89.15894	117840	< 1287.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-16	89.15894	53703	< 1287.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-16	89.15894	132649	< 1287.	UG/KG	3/28/90	Dibenzofuran
85FS-16	89.15894	95501	< 1287.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-16	89.15894	541731	< 1287.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-16	89.15894	106467	< 1287.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-16	89.15894	91941	< 1287.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-16	89.15894	120832	< 1287.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-16	89.15894	84662	< 1287.	UG/KG	3/28/90	Diethyl phthalate
85FS-16	89.15894	131113	< 1287.	UG/KG	3/28/90	Dimethyl phthalate
85FS-16	89.15894	105679	< 1287.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-16	89.15894	51285	< 1287.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-16	89.15894	121142	< 1287.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-16	89.15894	606202	< 1287.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-16	89.15894	206440	< 1287.	UG/KG	3/28/90	Fluoranthene
85FS-16	89.15894	86737	< 1287.	UG/KG	3/28/90	Fluorene
85FS-16	89.15894	118741	< 1287.	UG/KG	3/28/90	Hexachlorobenzene
85FS-16	89.15894	87683	< 1287.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-16	89.15894	77474	< 1287.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-16	89.15894	67721	< 1287.	UG/KG	3/28/90	Hexachloroethane
85FS-16	89.15894	193395	< 1287.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-16	89.15894	78591	< 1287.	UG/KG	3/28/90	Isophorone
85FS-16	89.15894	534521	< 1287.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-16	89.15894	91576	< 1287.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-16	89.15894	95487	< 1287.	UG/KG	3/28/90	2-Methylphenol
85FS-16	89.15894	106445	< 1287.	UG/KG	3/28/90	4-Methylphenol
85FS-16	89.15894	91203	< 1287.	UG/KG	3/28/90	Naphthalene
85FS-16	89.15894	88744	< 1287.	UG/KG	3/28/90	2-Nitroaniline
85FS-16	89.15894	99092	< 1287.	UG/KG	3/28/90	3-Nitroaniline
85FS-16	89.15894	100016	< 1287.	UG/KG	3/28/90	4-Nitroaniline
85FS-16	89.15894	98953	< 1287.	UG/KG	3/28/90	Nitrobenzene
85FS-16	89.15894	88755	< 1287.	UG/KG	3/28/90	2-Nitrophenol
85FS-16	89.15894	100027	< 1287.	UG/KG	3/28/90	4-Nitrophenol
85FS-16	89.15894	621647	< 1287.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-16	89.15894	62759	< 1287.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-16	89.15894	86306	< 1287.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-16	89.15894	87865	< 1287.	UG/KG	3/28/90	Pentachlorophenol
85FS-16	89.15894	85018	< 1287.	UG/KG	3/28/90	Phenanthrene
85FS-16	89.15894	108952	< 1287.	UG/KG	3/28/90	Phenol
85FS-16	89.15894	129000	< 1287.	UG/KG	3/28/90	Pyrene
85FS-16	89.15894	120821	< 1287.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-16	89.15894	95954	< 1287.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-16	89.15894	88062	< 1287.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-16	89.15894	105679	< 1287.	UG/KG	3/28/90	2,4-Xylenol

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REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-17	89.15895	83329	< 1287.		UG/KG	3/28/90		Acenaphthene
85FS-17	89.15895	208968	< 1287.		UG/KG	3/28/90		Acenaphthylene
85FS-17	89.15895	62533	< 1287.		UG/KG	3/28/90		Aniline
85FS-17	89.15895	120127	< 1287.		UG/KG	3/28/90		Anthracene
85FS-17	89.15895	103333	< 1287.		UG/KG	3/28/90		Azobenzene
85FS-17	89.15895	56553	< 1287.		UG/KG	3/28/90		Benz(a)anthracene
85FS-17	89.15895	92875	< 1287.		UG/KG	3/28/90		m-Benzidine
85FS-17	89.15895	191242	< 1287.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-17	89.15895	50328	< 1287.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-17	89.15895	205992	< 1287.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-17	89.15895	207089	< 1287.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-17	89.15895	65850	< 1287.		UG/KG	3/28/90		Benzoic acid
85FS-17	89.15895	100516	< 1287.		UG/KG	3/28/90		Benzyl alcohol
85FS-17	89.15895	111911	< 1287.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-17	89.15895	111444	< 1287.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-17	89.15895	108601	< 1287.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-17	89.15895	117817	< 1287.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-17	89.15895	101553	< 1287.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-17	89.15895	85687	< 1287.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-17	89.15895	59507	< 1287.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-17	89.15895	106478	< 1287.		UG/KG	3/28/90		4-Chloroaniline
85FS-17	89.15895	91587	< 1287.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-17	89.15895	95578	< 1287.		UG/KG	3/28/90		o-Chlorophenol
85FS-17	89.15895	7005723	< 1287.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-17	89.15895	218019	< 1287.		UG/KG	3/28/90		Chrysene

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85FS-17	89.15895	106445	< 1287.	UG/KG	3/28/90	p-Cresol
85FS-17	89.15895	84742	< 1287.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-17	89.15895	117840	< 1287.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-17	89.15895	53703	< 1287.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-17	89.15895	132649	< 1287.	UG/KG	3/28/90	Dibenzofuran
85FS-17	89.15895	95501	< 1287.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-17	89.15895	541731	< 1287.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-17	89.15895	106467	< 1287.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-17	89.15895	91941	< 1287.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-17	89.15895	120832	< 1287.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-17	89.15895	84662	< 1287.	UG/KG	3/28/90	Diethyl phthalate
85FS-17	89.15895	131113	< 1287.	UG/KG	3/28/90	Dimethyl phthalate
85FS-17	89.15895	105679	< 1287.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-17	89.15895	51285	< 1287.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-17	89.15895	121142	< 1287.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-17	89.15895	606202	< 1287.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-17	89.15895	206440	< 1287.	UG/KG	3/28/90	Fluoranthene
85FS-17	89.15895	86737	< 1287.	UG/KG	3/28/90	Fluorene
85FS-17	89.15895	118741	< 1287.	UG/KG	3/28/90	Hexachlorobenzene
85FS-17	89.15895	87683	< 1287.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-17	89.15895	77474	< 1287.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-17	89.15895	67721	< 1287.	UG/KG	3/28/90	Hexachloroethane
85FS-17	89.15895	193395	< 1287.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-17	89.15895	78591	< 1287.	UG/KG	3/28/90	Isophorone
85FS-17	89.15895	534521	< 1287.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-17	89.15895	91576	< 1287.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-17	89.15895	95487	< 1287.	UG/KG	3/28/90	2-Methylphenol
85FS-17	89.15895	106445	< 1287.	UG/KG	3/28/90	4-Methylphenol
85FS-17	89.15895	91203	< 1287.	UG/KG	3/28/90	Naphthalene
85FS-17	89.15895	88744	< 1287.	UG/KG	3/28/90	2-Nitroaniline
85FS-17	89.15895	99092	< 1287.	UG/KG	3/28/90	3-Nitroaniline
85FS-17	89.15895	100016	< 1287.	UG/KG	3/28/90	4-Nitroaniline
85FS-17	89.15895	98953	< 1287.	UG/KG	3/28/90	Nitrobenzene
85FS-17	89.15895	88755	< 1287.	UG/KG	3/28/90	2-Nitrophenol
85FS-17	89.15895	100027	< 1287.	UG/KG	3/28/90	4-Nitrophenol
85FS-17	89.15895	621647	< 1287.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-17	89.15895	62759	< 1287.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-17	89.15895	86306	< 1287.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-17	89.15895	87865	< 1287.	UG/KG	3/28/90	Pentachlorophenol
85FS-17	89.15895	85018	< 1287.	UG/KG	3/28/90	Phenanthrene
85FS-17	89.15895	108952	< 1287.	UG/KG	3/28/90	Phenol
85FS-17	89.15895	129000	< 1287.	UG/KG	3/28/90	Pyrene
85FS-17	89.15895	120821	< 1287.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-17	89.15895	95954	< 1287.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-17	89.15895	88062	< 1287.	UG/KG	3/28/90	2,4,6-Trichlorophenol

DRAFT

85FS-17	89.15895	105679	< 1287.	UG/KG	3/20/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-18	89.15896	83329	< 1287.		UG/KG	3/28/90		Acenaphthene
85FS-18	89.15896	208968	< 1287.		UG/KG	3/28/90		Acenaphthylene
85FS-18	89.15896	62533	< 1287.		UG/KG	3/28/90		Aniline
85FS-18	89.15896	120127	< 1287.		UG/KG	3/28/90		Anthracene
85FS-18	89.15896	103333	< 1287.		UG/KG	3/28/90		Azobenzene
85FS-18	89.15896	56553	< 1287.		UG/KG	3/28/90		Benz(a)anthracene
85FS-18	89.15896	92875	< 1287.		UG/KG	3/28/90		m-Benzidine
85FS-18	89.15896	191242	< 1287.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-18	89.15896	50328	< 1287.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-18	89.15896	205992	< 1287.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-18	89.15896	207089	< 1287.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-18	89.15896	65850	< 1287.		UG/KG	3/28/90		Benzoic acid
85FS-18	89.15896	100516	< 1287.		UG/KG	3/28/90		Benzyl alcohol
85FS-18	89.15896	111911	< 1287.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-18	89.15896	111444	< 1287.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-18	89.15896	108601	< 1287.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-18	89.15896	117817	< 1287.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-18	89.15896	101553	< 1287.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-18	89.15896	85687	< 1287.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-18	89.15896	59507	< 1287.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-18	89.15896	106478	< 1287.		UG/KG	3/28/90		4-Chloroaniline
85FS-18	89.15896	91587	< 1287.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-18	89.15896	95578	< 1287.		UG/KG	3/28/90		o-Chlorophenol
85FS-18	89.15896	7005723	< 1287.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-18	89.15896	218019	< 1287.		UG/KG	3/28/90		Chrysene

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85FS-18	89.15896	106445	< 1287.	UG/KG	3/28/90	p-Cresol
85FS-18	89.15896	84742	< 1287.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-18	89.15896	117840	< 1287.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-18	89.15896	53703	< 1287.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-18	89.15896	132649	< 1287.	UG/KG	3/28/90	Dibenzofuran
85FS-18	89.15896	95501	< 1287.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-18	89.15896	541731	< 1287.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-18	89.15896	106467	< 1287.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-18	89.15896	91941	< 1287.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-18	89.15896	120832	< 1287.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-18	89.15896	84662	< 1287.	UG/KG	3/28/90	Diethyl phthalate
85FS-18	89.15896	131113	< 1287.	UG/KG	3/28/90	Dimethyl phthalate
85FS-18	89.15896	105679	< 1287.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-18	89.15896	51285	< 1287.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-18	89.15896	121142	< 1287.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-18	89.15896	606202	< 1287.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-18	89.15896	206440	< 1287.	UG/KG	3/28/90	Fluoranthene
85FS-18	89.15896	86737	< 1287.	UG/KG	3/28/90	Fluorene
85FS-18	89.15896	118741	< 1287.	UG/KG	3/28/90	Hexachlorobenzene
85FS-18	89.15896	87683	< 1287.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-18	89.15896	77474	< 1287.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-18	89.15896	67721	< 1287.	UG/KG	3/28/90	Hexachloroethane
85FS-18	89.15896	193395	< 1287.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-18	89.15896	78591	< 1287.	UG/KG	3/28/90	Isophorone
85FS-18	89.15896	534521	< 1287.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-18	89.15896	91576	< 1287.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-18	89.15896	95487	< 1287.	UG/KG	3/28/90	2-Methylphenol
85FS-18	89.15896	106445	< 1287.	UG/KG	3/28/90	4-Methylphenol
85FS-18	89.15896	91203	< 1287.	UG/KG	3/28/90	Naphthalene
85FS-18	89.15896	88744	< 1287.	UG/KG	3/28/90	2-Nitroaniline
85FS-18	89.15896	99092	< 1287.	UG/KG	3/28/90	3-Nitroaniline
85FS-18	89.15896	100016	< 1287.	UG/KG	3/28/90	4-Nitroaniline
85FS-18	89.15896	98953	< 1287.	UG/KG	3/28/90	Nitrobenzene
85FS-18	89.15896	88755	< 1287.	UG/KG	3/28/90	2-Nitrophenol
85FS-18	89.15896	100027	< 1287.	UG/KG	3/28/90	4-Nitrophenol
85FS-18	89.15896	621647	< 1287.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-18	89.15896	62759	< 1287.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-18	89.15896	86306	< 1287.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-18	89.15896	87865	< 1287.	UG/KG	3/28/90	Pentachlorophenol
85FS-18	89.15896	85018	< 1287.	UG/KG	3/28/90	Phenanthrene
85FS-18	89.15896	108952	< 1287.	UG/KG	3/28/90	Phenol
85FS-18	89.15896	129000	< 1287.	UG/KG	3/28/90	Pyrene
85FS-18	89.15896	120821	< 1287.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-18	89.15896	95954	< 1287.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-18	89.15896	88062	< 1287.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-18	89.15896	105679	< 1287.	UG/KG	3/28/90	2,4-Xylenol

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REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-19	89.15897	83329	< 330.		UG/KG	3/27/90		Acenaphthene
85FS-19	89.15897	208968	< 330.		UG/KG	3/27/90		Acenaphthylene
85FS-19	89.15897	62533	< 330.		UG/KG	3/27/90		Aniline
85FS-19	89.15897	120127	< 330.		UG/KG	3/27/90		Anthracene
85FS-19	89.15897	103333	< 330.		UG/KG	3/27/90		Azobenzene
85FS-19	89.15897	56553	< 330.		UG/KG	3/27/90		Benz(a)anthracene
85FS-19	89.15897	92875	< 330.		UG/KG	3/27/90		m-Benzidine
85FS-19	89.15897	191242	< 330.		UG/KG	3/27/90		Benzo(g,h,i)perylene
85FS-19	89.15897	50328	< 330.		UG/KG	3/27/90		Benzo-a-pyrene
85FS-19	89.15897	205992	< 330.		UG/KG	3/27/90		Benzo-b-fluoranthene
85FS-19	89.15897	207089	< 330.		UG/KG	3/27/90		Benzo-k-fluoranthene
85FS-19	89.15897	65850	< 330.		UG/KG	3/27/90		Benzoic acid
85FS-19	89.15897	100516	< 330.		UG/KG	3/27/90		Benzyl alcohol
85FS-19	89.15897	111911	< 330.		UG/KG	3/27/90		Bis(2-chloroethoxy)methane
85FS-19	89.15897	111444	< 330.		UG/KG	3/27/90		Bis(2-chloroethyl)ether
85FS-19	89.15897	108601	< 330.		UG/KG	3/27/90		Bis(2-chloroisopropyl)ether
85FS-19	89.15897	117817	2800.	560.	UG/KG	3/27/90		Bis(2-ethylhexyl)phthalate
85FS-19	89.15897	101553	< 330.		UG/KG	3/27/90		4-Bromophenylphenyl ether
85FS-19	89.15897	85687	< 330.		UG/KG	3/27/90		Butylbenzyl phthalate
85FS-19	89.15897	59507	< 330.		UG/KG	3/27/90		4-Chloro-3-methylphenol
85FS-19	89.15897	106478	< 330.		UG/KG	3/27/90		4-Chloroaniline
85FS-19	89.15897	91587	< 330.		UG/KG	3/27/90		2-Chloronaphthalene
85FS-19	89.15897	95578	< 330.		UG/KG	3/27/90		o-Chlorophenol
85FS-19	89.15897	7005723	< 330.		UG/KG	3/27/90		4-Chlorophenylphenyl ether
85FS-19	89.15897	218019	< 330.		UG/KG	3/27/90		Chrysene

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85FS-19	89.15897	106445	< 330.	UG/KG	3/27/90	p-Cresol
85FS-19	89.15897	84742	< 330.	UG/KG	3/27/90	Di-n-butyl phthalate
85FS-19	89.15897	117840	< 330.	UG/KG	3/27/90	Di-n-octyl phthalate
85FS-19	89.15897	53703	< 330.	UG/KG	3/27/90	Dibenzo(a,h)anthracene
85FS-19	89.15897	132649	< 330.	UG/KG	3/27/90	Dibenzofuran
85FS-19	89.15897	95501	< 330.	UG/KG	3/27/90	o-Dichlorobenzene (1,2)
85FS-19	89.15897	541731	< 330.	UG/KG	3/27/90	m-Dichlorobenzene (1,3)
85FS-19	89.15897	106467	< 330.	UG/KG	3/27/90	p-Dichlorobenzene (1,4)
85FS-19	89.15897	91941	< 330.	UG/KG	3/27/90	3,3'-Dichlorobenzidine
85FS-19	89.15897	120832	< 330.	UG/KG	3/27/90	2,4-Dichlorophenol
85FS-19	89.15897	84662	< 330.	UG/KG	3/27/90	Diethyl phthalate
85FS-19	89.15897	131113	< 330.	UG/KG	3/27/90	Dimethyl phthalate
85FS-19	89.15897	105679	< 330.	UG/KG	3/27/90	2,4-Dimethylphenol
85FS-19	89.15897	51285	< 330.	UG/KG	3/27/90	2,4-Dinitrophenol
85FS-19	89.15897	121142	< 330.	UG/KG	3/27/90	2,4-Dinitrotoluene
85FS-19	89.15897	606202	< 330.	UG/KG	3/27/90	2,6-Dinitrotoluene
85FS-19	89.15897	206440	< 330.	UG/KG	3/27/90	Fluoranthene
85FS-19	89.15897	86737	< 330.	UG/KG	3/27/90	Fluorene
85FS-19	89.15897	118741	< 330.	UG/KG	3/27/90	Hexachlorobenzene
85FS-19	89.15897	87683	< 330.	UG/KG	3/27/90	Hexachlorobutadiene
85FS-19	89.15897	77474	< 330.	UG/KG	3/27/90	Hexachlorocyclopentadiene
85FS-19	89.15897	67721	< 330.	UG/KG	3/27/90	Hexachloroethane
85FS-19	89.15897	193395	< 330.	UG/KG	3/27/90	Indeno(1,2,3-cd)pyrene
85FS-19	89.15897	78591	< 330.	UG/KG	3/27/90	Isophorone
85FS-19	89.15897	534521	< 330.	UG/KG	3/27/90	2-Methyl-4,6-dinitrophenol
85FS-19	89.15897	91576	< 330.	UG/KG	3/27/90	2-Methylnaphthalene
85FS-19	89.15897	95487	< 330.	UG/KG	3/27/90	2-Methylphenol
85FS-19	89.15897	106445	< 330.	UG/KG	3/27/90	4-Methylphenol
85FS-19	89.15897	91203	< 330.	UG/KG	3/27/90	Naphthalene
85FS-19	89.15897	88744	< 330.	UG/KG	3/27/90	2-Nitroaniline
85FS-19	89.15897	99092	< 330.	UG/KG	3/27/90	3-Nitroaniline
85FS-19	89.15897	100016	< 330.	UG/KG	3/27/90	4-Nitroaniline
85FS-19	89.15897	98953	< 330.	UG/KG	3/27/90	Nitrobenzene
85FS-19	89.15897	88755	< 330.	UG/KG	3/27/90	2-Nitrophenol
85FS-19	89.15897	100027	< 330.	UG/KG	3/27/90	4-Nitrophenol
85FS-19	89.15897	621647	< 330.	UG/KG	3/27/90	N-Nitrosodi-n-propylamine
85FS-19	89.15897	62759	< 330.	UG/KG	3/27/90	N-Nitrosodimethylamine
85FS-19	89.15897	86306	< 330.	UG/KG	3/27/90	N-Nitrosodiphenylamine
85FS-19	89.15897	87865	< 330.	UG/KG	3/27/90	Pentachlorophenol
85FS-19	89.15897	85018	< 330.	UG/KG	3/27/90	Phenanthrene
85FS-19	89.15897	108952	< 330.	UG/KG	3/27/90	Phenol
85FS-19	89.15897	129000	< 330.	UG/KG	3/27/90	Pyrene
85FS-19	89.15897	120821	< 330.	UG/KG	3/27/90	1,2,4-Trichlorobenzene
85FS-19	89.15897	95954	< 330.	UG/KG	3/27/90	2,4,5-Trichlorophenol
85FS-19	89.15897	88062	< 330.	UG/KG	3/27/90	2,4,6-Trichlorophenol

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85FS-19	89.15897	105679	< 330.	UG/KG	3/2./90	2,4-Xylenol

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REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-20	89.15898	83329	< 1287.		UG/KG	3/28/90		Acenaphthene
85FS-20	89.15898	208968	< 1287.		UG/KG	3/28/90		Acenaphthylene
85FS-20	89.15898	62533	< 1287.		UG/KG	3/28/90		Aniline
85FS-20	89.15898	120127	< 1287.		UG/KG	3/28/90		Anthracene
85FS-20	89.15898	103333	< 1287.		UG/KG	3/28/90		Azobenzene
85FS-20	89.15898	56553	< 1287.		UG/KG	3/28/90		Benz(a)anthracene
85FS-20	89.15898	92875	< 1287.		UG/KG	3/28/90		m-Benzidine
85FS-20	89.15898	191242	< 1287.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-20	89.15898	50328	< 1287.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-20	89.15898	205992	< 1287.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-20	89.15898	207089	< 1287.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-20	89.15898	65850	< 1287.		UG/KG	3/28/90		Benzoic acid
85FS-20	89.15898	100516	< 1287.		UG/KG	3/28/90		Benzyl alcohol
85FS-20	89.15898	111911	< 1287.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-20	89.15898	111444	< 1287.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-20	89.15898	108601	< 1287.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-20	89.15898	117817	< 1287.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-20	89.15898	101553	< 1287.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-20	89.15898	85687	< 1287.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-20	89.15898	59507	< 1287.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-20	89.15898	106478	< 1287.		UG/KG	3/28/90		4-Chloroaniline
85FS-20	89.15898	91587	< 1287.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-20	89.15898	95578	< 1287.		UG/KG	3/28/90		o-Chlorophenol
85FS-20	89.15898	7005723	< 1287.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-20	89.15898	218019	< 1287.		UG/KG	3/28/90		Chrysene

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85FS-20	89.15898	106445	< 1287.	UG/KG	3/28/90	p-Cresol
85FS-20	89.15898	84742	< 1287.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-20	89.15898	117840	< 1287.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-20	89.15898	53703	< 1287.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-20	89.15898	132649	< 1287.	UG/KG	3/28/90	Dibenzofuran
85FS-20	89.15898	95501	< 1287.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-20	89.15898	541731	< 1287.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-20	89.15898	106467	< 1287.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-20	89.15898	91941	< 1287.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-20	89.15898	120832	< 1287.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-20	89.15898	84662	< 1287.	UG/KG	3/28/90	Diethyl phthalate
85FS-20	89.15898	131113	< 1287.	UG/KG	3/28/90	Dimethyl phthalate
85FS-20	89.15898	105679	< 1287.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-20	89.15898	51285	< 1287.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-20	89.15898	121142	< 1287.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-20	89.15898	606202	< 1287.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-20	89.15898	206440	< 1287.	UG/KG	3/28/90	Fluoranthene
85FS-20	89.15898	86737	< 1287.	UG/KG	3/28/90	Fluorene
85FS-20	89.15898	118741	< 1287.	UG/KG	3/28/90	Hexachlorobenzene
85FS-20	89.15898	87683	< 1287.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-20	89.15898	77474	< 1287.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-20	89.15898	67721	< 1287.	UG/KG	3/28/90	Hexachloroethane
85FS-20	89.15898	193395	< 1287.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-20	89.15898	78591	< 1287.	UG/KG	3/28/90	Isophorone
85FS-20	89.15898	534521	< 1287.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-20	89.15898	91576	< 1287.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-20	89.15898	95487	< 1287.	UG/KG	3/28/90	2-Methylphenol
85FS-20	89.15898	106445	< 1287.	UG/KG	3/28/90	4-Methylphenol
85FS-20	89.15898	91203	< 1287.	UG/KG	3/28/90	Naphthalene
85FS-20	89.15898	88744	< 1287.	UG/KG	3/28/90	2-Nitroaniline
85FS-20	89.15898	99092	< 1287.	UG/KG	3/28/90	3-Nitroaniline
85FS-20	89.15898	100016	< 1287.	UG/KG	3/28/90	4-Nitroaniline
85FS-20	89.15898	98953	< 1287.	UG/KG	3/28/90	Nitrobenzene
85FS-20	89.15898	88755	< 1287.	UG/KG	3/28/90	2-Nitrophenol
85FS-20	89.15898	100027	< 1287.	UG/KG	3/28/90	4-Nitrophenol
85FS-20	89.15898	621647	< 1287.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-20	89.15898	62759	< 1287.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-20	89.15898	86306	< 1287.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-20	89.15898	87865	< 1287.	UG/KG	3/28/90	Pentachlorophenol
85FS-20	89.15898	85018	< 1287.	UG/KG	3/28/90	Phenanthrene
85FS-20	89.15898	108952	< 1287.	UG/KG	3/28/90	Phenol
85FS-20	89.15898	129000	< 1287.	UG/KG	3/28/90	Pyrene
85FS-20	89.15898	120821	< 1287.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-20	89.15898	95954	< 1287.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-20	89.15898	88062	< 1287.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-20	89.15898	105679	< 1287.	UG/KG	3/28/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-21	89.15899	83329	< 6600.		UG/KG	3/27/90		Acenaphthene
85FS-21	89.15899	208968	< 6600.		UG/KG	3/27/90		Acenaphthylene
85FS-21	89.15899	62533	< 6600.		UG/KG	3/27/90		Aniline
85FS-21	89.15899	120127	< 6600.		UG/KG	3/27/90		Anthracene
85FS-21	89.15899	103333	< 6600.		UG/KG	3/27/90		Azobenzene
85FS-21	89.15899	56553	< 6600.		UG/KG	3/27/90		Benz(a)anthracene
85FS-21	89.15899	92875	< 6600.		UG/KG	3/27/90		m-Benzidine
85FS-21	89.15899	191242	< 6600.		UG/KG	3/27/90		Benzo(g,h,i)perylene
85FS-21	89.15899	50328	< 6600.		UG/KG	3/27/90		Benzo-a-pyrene
85FS-21	89.15899	205992	< 6600.		UG/KG	3/27/90		Benzo-b-fluoranthene
85FS-21	89.15899	207089	< 6600.		UG/KG	3/27/90		Benzo-k-fluoranthene
85FS-21	89.15899	65850	< 6600.		UG/KG	3/27/90		Benzoic acid
85FS-21	89.15899	100516	< 6600.		UG/KG	3/27/90		Benzyl alcohol
85FS-21	89.15899	111911	< 6600.		UG/KG	3/27/90		Bis(2-chloroethoxy)methane
85FS-21	89.15899	111444	< 6600.		UG/KG	3/27/90		Bis(2-chloroethyl)ether
85FS-21	89.15899	108601	< 6600.		UG/KG	3/27/90		Bis(2-chloroisopropyl)ether
85FS-21	89.15899	117817	< 6600.		UG/KG	3/27/90		Bis(2-ethylhexyl)phthalate
85FS-21	89.15899	101553	< 6600.		UG/KG	3/27/90		4-Bromophenylphenyl ether
85FS-21	89.15899	85687	< 6600.		UG/KG	3/27/90		Butylbenzyl phthalate
85FS-21	89.15899	59507	< 6600.		UG/KG	3/27/90		4-Chloro-3-methylphenol
85FS-21	89.15899	106478	< 6600.		UG/KG	3/27/90		4-Chloroaniline
85FS-21	89.15899	91587	< 6600.		UG/KG	3/27/90		2-Chloronaphthalene
85FS-21	89.15899	95578	< 6600.		UG/KG	3/27/90		o-Chlorophenol
85FS-21	89.15899	7005723	< 6600.		UG/KG	3/27/90		4-Chlorophenylphenyl ether
85FS-21	89.15899	218019	< 6600.		UG/KG	3/27/90		Chrysene

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85FS-21	89.15899	106445	< 6600.	UG/KG	3/27/90	p-Cresol
85FS-21	89.15899	84742	< 6600.	UG/KG	3/27/90	Di-n-butyl phthalate
85FS-21	89.15899	117840	< 6600.	UG/KG	3/27/90	Di-n-octyl phthalate
85FS-21	89.15899	53703	< 6600.	UG/KG	3/27/90	Dibenzo(a,h)anthracene
85FS-21	89.15899	132649	< 6600.	UG/KG	3/27/90	Dibenzofuran
85FS-21	89.15899	95501	< 6600.	UG/KG	3/27/90	o-Dichlorobenzene (1,2)
85FS-21	89.15899	541731	< 6600.	UG/KG	3/27/90	m-Dichlorobenzene (1,3)
85FS-21	89.15899	106467	< 6600.	UG/KG	3/27/90	p-Dichlorobenzene (1,4)
85FS-21	89.15899	91941	< 6600.	UG/KG	3/27/90	3,3'-Dichlorobenzidine
85FS-21	89.15899	120832	< 6600.	UG/KG	3/27/90	2,4-Dichlorophenol
85FS-21	89.15899	84662	< 6600.	UG/KG	3/27/90	Diethyl phthalate
85FS-21	89.15899	131113	< 6600.	UG/KG	3/27/90	Dimethyl phthalate
85FS-21	89.15899	105679	< 6600.	UG/KG	3/27/90	2,4-Dimethylphenol
85FS-21	89.15899	51285	< 6600.	UG/KG	3/27/90	2,4-Dinitrophenol
85FS-21	89.15899	121142	< 6600.	UG/KG	3/27/90	2,4-Dinitrotoluene
85FS-21	89.15899	606202	< 6600.	UG/KG	3/27/90	2,6-Dinitrotoluene
85FS-21	89.15899	206440	< 6600.	UG/KG	3/27/90	Fluoranthene
85FS-21	89.15899	86737	< 6600.	UG/KG	3/27/90	Fluorene
85FS-21	89.15899	118741	< 6600.	UG/KG	3/27/90	Hexachlorobenzene
85FS-21	89.15899	87683	< 6600.	UG/KG	3/27/90	Hexachlorobutadiene
85FS-21	89.15899	77474	< 6600.	UG/KG	3/27/90	Hexachlorocyclopentadiene
85FS-21	89.15899	67721	< 6600.	UG/KG	3/27/90	Hexachloroethane
85FS-21	89.15899	193395	< 6600.	UG/KG	3/27/90	Indeno(1,2,3-cd)pyrene
85FS-21	89.15899	78591	< 6600.	UG/KG	3/27/90	Isophorone
85FS-21	89.15899	534521	< 6600.	UG/KG	3/27/90	2-Methyl-4,6-dinitrophenol
85FS-21	89.15899	91576	< 6600.	UG/KG	3/27/90	2-Methylnaphthalene
85FS-21	89.15899	95487	< 6600.	UG/KG	3/27/90	2-Methylphenol
85FS-21	89.15899	106445	< 6600.	UG/KG	3/27/90	4-Methylphenol
85FS-21	89.15899	91203	< 6600.	UG/KG	3/27/90	Naphthalene
85FS-21	89.15899	88744	< 6600.	UG/KG	3/27/90	2-Nitroaniline
85FS-21	89.15899	99092	< 6600.	UG/KG	3/27/90	3-Nitroaniline
85FS-21	89.15899	100016	< 6600.	UG/KG	3/27/90	4-Nitroaniline
85FS-21	89.15899	98953	< 6600.	UG/KG	3/27/90	Nitrobenzene
85FS-21	89.15899	88755	< 6600.	UG/KG	3/27/90	2-Nitrophenol
85FS-21	89.15899	100027	< 6600.	UG/KG	3/27/90	4-Nitrophenol
85FS-21	89.15899	621647	< 6600.	UG/KG	3/27/90	N-Nitrosodi-n-propylamine
85FS-21	89.15899	62759	< 6600.	UG/KG	3/27/90	N-Nitrosodimethylamine
85FS-21	89.15899	86306	< 6600.	UG/KG	3/27/90	N-Nitrosodiphenylamine
85FS-21	89.15899	87865	< 6600.	UG/KG	3/27/90	Pentachlorophenol
85FS-21	89.15899	85018	< 6600.	UG/KG	3/27/90	Phenanthrene
85FS-21	89.15899	108952	< 6600.	UG/KG	3/27/90	Phenol
85FS-21	89.15899	129000	< 6600.	UG/KG	3/27/90	Pyrene
85FS-21	89.15899	120821	< 6600.	UG/KG	3/27/90	1,2,4-Trichlorobenzene
85FS-21	89.15899	95954	< 6600.	UG/KG	3/27/90	2,4,5-Trichlorophenol
85FS-21	89.15899	88062	< 6600.	UG/KG	3/27/90	2,4,6-Trichlorophenol

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85FS-21	89.15899	105679	< 6600.	UG/KG	3/27/90	2,4-Xylenol

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REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-22	89.15900	83329	< 1287.		UG/KG	3/28/90		Acenaphthene
85FS-22	89.15900	208968	< 1287.		UG/KG	3/28/90		Acenaphthylene
85FS-22	89.15900	62533	< 1287.		UG/KG	3/28/90		Aniline
85FS-22	89.15900	120127	< 1287.		UG/KG	3/28/90		Anthracene
85FS-22	89.15900	103333	< 1287.		UG/KG	3/28/90		Azobenzene
85FS-22	89.15900	56553	< 1287.		UG/KG	3/28/90		Benz(a)anthracene
85FS-22	89.15900	92875	< 1287.		UG/KG	3/28/90		m-Benzidine
85FS-22	89.15900	191242	< 1287.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-22	89.15900	50328	< 1287.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-22	89.15900	205992	< 1287.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-22	89.15900	207089	< 1287.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-22	89.15900	65850	< 1287.		UG/KG	3/28/90		Benzoic acid
85FS-22	89.15900	100516	< 1287.		UG/KG	3/28/90		Benzyl alcohol
85FS-22	89.15900	111911	< 1287.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-22	89.15900	111444	< 1287.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-22	89.15900	108601	< 1287.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-22	89.15900	117817	< 1287.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-22	89.15900	101553	< 1287.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-22	89.15900	85687	< 1287.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-22	89.15900	59507	< 1287.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-22	89.15900	106478	< 1287.		UG/KG	3/28/90		4-Chloroaniline
85FS-22	89.15900	91587	< 1287.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-22	89.15900	95578	< 1287.		UG/KG	3/28/90		o-Chlorophenol
85FS-22	89.15900	7005723	< 1287.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-22	89.15900	218019	< 1287.		UG/KG	3/28/90		Chrysene

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85FS-22	89.15900	106445	< 1287.	UG/KG	3/28/90	p-Cresol
85FS-22	89.15900	84742	< 1287.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-22	89.15900	117840	< 1287.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-22	89.15900	53703	< 1287.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-22	89.15900	132649	< 1287.	UG/KG	3/28/90	Dibenzofuran
85FS-22	89.15900	95501	< 1287.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-22	89.15900	541731	< 1287.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-22	89.15900	106467	< 1287.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-22	89.15900	91941	< 1287.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-22	89.15900	120832	< 1287.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-22	89.15900	84662	< 1287.	UG/KG	3/28/90	Diethyl phthalate
85FS-22	89.15900	131113	< 1287.	UG/KG	3/28/90	Dimethyl phthalate
85FS-22	89.15900	105679	< 1287.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-22	89.15900	51285	< 1287.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-22	89.15900	121142	< 1287.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-22	89.15900	606202	< 1287.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-22	89.15900	206440	< 1287.	UG/KG	3/28/90	Fluoranthene
85FS-22	89.15900	86737	< 1287.	UG/KG	3/28/90	Fluorene
85FS-22	89.15900	118741	< 1287.	UG/KG	3/28/90	Hexachlorobenzene
85FS-22	89.15900	87683	< 1287.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-22	89.15900	77474	< 1287.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-22	89.15900	67721	< 1287.	UG/KG	3/28/90	Hexachloroethane
85FS-22	89.15900	193395	< 1287.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-22	89.15900	78591	< 1287.	UG/KG	3/28/90	Isophorone
85FS-22	89.15900	534521	< 1287.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-22	89.15900	91576	< 1287.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-22	89.15900	95487	< 1287.	UG/KG	3/28/90	2-Methylphenol
85FS-22	89.15900	106445	< 1287.	UG/KG	3/28/90	4-Methylphenol
85FS-22	89.15900	91203	< 1287.	UG/KG	3/28/90	Naphthalene
85FS-22	89.15900	88744	< 1287.	UG/KG	3/28/90	2-Nitroaniline
85FS-22	89.15900	99092	< 1287.	UG/KG	3/28/90	3-Nitroaniline
85FS-22	89.15900	100016	< 1287.	UG/KG	3/28/90	4-Nitroaniline
85FS-22	89.15900	98953	< 1287.	UG/KG	3/28/90	Nitrobenzene
85FS-22	89.15900	88755	< 1287.	UG/KG	3/28/90	2-Nitrophenol
85FS-22	89.15900	100027	< 1287.	UG/KG	3/28/90	4-Nitrophenol
85FS-22	89.15900	621647	< 1287.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-22	89.15900	62759	< 1287.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-22	89.15900	86306	< 1287.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-22	89.15900	87865	< 1287.	UG/KG	3/28/90	Pentachlorophenol
85FS-22	89.15900	85018	< 1287.	UG/KG	3/28/90	Phenanthrene
85FS-22	89.15900	108952	< 1287.	UG/KG	3/28/90	Phenol
85FS-22	89.15900	129000	< 1287.	UG/KG	3/28/90	Pyrene
85FS-22	89.15900	120821	< 1287.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-22	89.15900	95954	< 1287.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-22	89.15900	88062	< 1287.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-22	89.15900	105679	< 1287.	UG/KG	3/[illegible]/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-23	89.15901	83329	< 1287.		UG/KG	3/28/90		Acenaphthene
85FS-23	89.15901	208968	< 1287.		UG/KG	3/28/90		Acenaphthylene
85FS-23	89.15901	62533	< 1287.		UG/KG	3/28/90		Aniline
85FS-23	89.15901	120127	< 1287.		UG/KG	3/28/90		Anthracene
85FS-23	89.15901	103333	< 1287.		UG/KG	3/28/90		Azobenzene
85FS-23	89.15901	56553	< 1287.		UG/KG	3/28/90		Benz(a)anthracene
85FS-23	89.15901	92875	< 1287.		UG/KG	3/28/90		m-Benzidine
85FS-23	89.15901	191242	< 1287.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-23	89.15901	50328	< 1287.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-23	89.15901	205992	< 1287.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-23	89.15901	207089	< 1287.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-23	89.15901	65850	< 1287.		UG/KG	3/28/90		Benzoic acid
85FS-23	89.15901	100516	< 1287.		UG/KG	3/28/90		Benzyl alcohol
85FS-23	89.15901	111911	< 1287.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-23	89.15901	111444	< 1287.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-23	89.15901	108601	< 1287.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-23	89.15901	117817	< 1287.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-23	89.15901	101553	< 1287.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-23	89.15901	85687	< 1287.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-23	89.15901	59507	< 1287.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-23	89.15901	106478	< 1287.		UG/KG	3/28/90		4-Chloroaniline
85FS-23	89.15901	91587	< 1287.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-23	89.15901	95578	< 1287.		UG/KG	3/28/90		o-Chlorophenol
85FS-23	89.15901	7005723	< 1287.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-23	89.15901	218019	< 1287.		UG/KG	3/28/90		Chrysene

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85FS-23	89.15901	106445	< 1287.	UG/KG	3/28/90	p-Cresol
85FS-23	89.15901	84742	< 1287.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-23	89.15901	117840	< 1287.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-23	89.15901	53703	< 1287.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-23	89.15901	132649	< 1287.	UG/KG	3/28/90	Dibenzofuran
85FS-23	89.15901	95501	< 1287.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-23	89.15901	541731	< 1287.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-23	89.15901	106467	< 1287.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-23	89.15901	91941	< 1287.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-23	89.15901	120832	< 1287.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-23	89.15901	84662	< 1287.	UG/KG	3/28/90	Diethyl phthalate
85FS-23	89.15901	131113	< 1287.	UG/KG	3/28/90	Dimethyl phthalate
85FS-23	89.15901	105679	< 1287.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-23	89.15901	51285	< 1287.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-23	89.15901	121142	< 1287.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-23	89.15901	606202	< 1287.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-23	89.15901	206440	< 1287.	UG/KG	3/28/90	Fluoranthene
85FS-23	89.15901	86737	< 1287.	UG/KG	3/28/90	Fluorene
85FS-23	89.15901	118741	< 1287.	UG/KG	3/28/90	Hexachlorobenzene
85FS-23	89.15901	87683	< 1287.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-23	89.15901	77474	< 1287.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-23	89.15901	67721	< 1287.	UG/KG	3/28/90	Hexachloroethane
85FS-23	89.15901	193395	< 1287.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-23	89.15901	78591	< 1287.	UG/KG	3/28/90	Isophorone
85FS-23	89.15901	534521	< 1287.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-23	89.15901	91576	< 1287.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-23	89.15901	95487	< 1287.	UG/KG	3/28/90	2-Methylphenol
85FS-23	89.15901	106445	< 1287.	UG/KG	3/28/90	4-Methylphenol
85FS-23	89.15901	91203	< 1287.	UG/KG	3/28/90	Naphthalene
85FS-23	89.15901	88744	< 1287.	UG/KG	3/28/90	2-Nitroaniline
85FS-23	89.15901	99092	< 1287.	UG/KG	3/28/90	3-Nitroaniline
85FS-23	89.15901	100016	< 1287.	UG/KG	3/28/90	4-Nitroaniline
85FS-23	89.15901	98953	< 1287.	UG/KG	3/28/90	Nitrobenzene
85FS-23	89.15901	88755	< 1287.	UG/KG	3/28/90	2-Nitrophenol
85FS-23	89.15901	100027	< 1287.	UG/KG	3/28/90	4-Nitrophenol
85FS-23	89.15901	621647	< 1287.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-23	89.15901	62759	< 1287.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-23	89.15901	86306	< 1287.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-23	89.15901	87865	< 1287.	UG/KG	3/28/90	Pentachlorophenol
85FS-23	89.15901	85018	< 1287.	UG/KG	3/28/90	Phenanthrene
85FS-23	89.15901	108952	< 1287.	UG/KG	3/28/90	Phenol
85FS-23	89.15901	129000	< 1287.	UG/KG	3/28/90	Pyrene
85FS-23	89.15901	120821	< 1287.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-23	89.15901	95954	< 1287.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-23	89.15901	88062	< 1287.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-23	89.15901	105679	< 1287.	UG/KG	3/28/90	2,4-Xylenol

DRAFT

REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-24	89.15902	83329	< 1287.		UG/KG	3/28/90		Acenaphthene
85FS-24	89.15902	208968	< 1287.		UG/KG	3/28/90		Acenaphthylene
85FS-24	89.15902	62533	< 1287.		UG/KG	3/28/90		Aniline
85FS-24	89.15902	120127	< 1287.		UG/KG	3/28/90		Anthracene
85FS-24	89.15902	103333	< 1287.		UG/KG	3/28/90		Azobenzene
85FS-24	89.15902	56553	< 1287.		UG/KG	3/28/90		Benz(a)anthracene
85FS-24	89.15902	92875	< 1287.		UG/KG	3/28/90		m-Benzidine
85FS-24	89.15902	191242	< 1287.		UG/KG	3/28/90		Benzo(g,h,i)perylene
85FS-24	89.15902	50328	< 1287.		UG/KG	3/28/90		Benzo-a-pyrene
85FS-24	89.15902	205992	< 1287.		UG/KG	3/28/90		Benzo-b-fluoranthene
85FS-24	89.15902	207089	< 1287.		UG/KG	3/28/90		Benzo-k-fluoranthene
85FS-24	89.15902	65850	< 1287.		UG/KG	3/28/90		Benzoic acid
85FS-24	89.15902	100516	< 1287.		UG/KG	3/28/90		Benzyl alcohol
85FS-24	89.15902	111911	< 1287.		UG/KG	3/28/90		Bis(2-chloroethoxy)methane
85FS-24	89.15902	111444	< 1287.		UG/KG	3/28/90		Bis(2-chloroethyl)ether
85FS-24	89.15902	108601	< 1287.		UG/KG	3/28/90		Bis(2-chloroisopropyl)ether
85FS-24	89.15902	117817	< 1287.		UG/KG	3/28/90		Bis(2-ethylhexyl)phthalate
85FS-24	89.15902	101553	< 1287.		UG/KG	3/28/90		4-Bromophenylphenyl ether
85FS-24	89.15902	85687	< 1287.		UG/KG	3/28/90		Butylbenzyl phthalate
85FS-24	89.15902	59507	< 1287.		UG/KG	3/28/90		4-Chloro-3-methylphenol
85FS-24	89.15902	106478	< 1287.		UG/KG	3/28/90		4-Chloroaniline
85FS-24	89.15902	91587	< 1287.		UG/KG	3/28/90		2-Chloronaphthalene
85FS-24	89.15902	95578	< 1287.		UG/KG	3/28/90		o-Chlorophenol
85FS-24	89.15902	7005723	< 1287.		UG/KG	3/28/90		4-Chlorophenylphenyl ether
85FS-24	89.15902	218019	< 1287.		UG/KG	3/28/90		Chrysene

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85FS-24	89.15902	106445	< 1287.	UG/KG	3/28/90	p-Cresol
85FS-24	89.15902	84742	< 1287.	UG/KG	3/28/90	Di-n-butyl phthalate
85FS-24	89.15902	117840	< 1287.	UG/KG	3/28/90	Di-n-octyl phthalate
85FS-24	89.15902	53703	< 1287.	UG/KG	3/28/90	Dibenzo(a,h)anthracene
85FS-24	89.15902	132649	< 1287.	UG/KG	3/28/90	Dibenzofuran
85FS-24	89.15902	95501	< 1287.	UG/KG	3/28/90	o-Dichlorobenzene (1,2)
85FS-24	89.15902	541731	< 1287.	UG/KG	3/28/90	m-Dichlorobenzene (1,3)
85FS-24	89.15902	106467	< 1287.	UG/KG	3/28/90	p-Dichlorobenzene (1,4)
85FS-24	89.15902	91941	< 1287.	UG/KG	3/28/90	3,3'-Dichlorobenzidine
85FS-24	89.15902	120832	< 1287.	UG/KG	3/28/90	2,4-Dichlorophenol
85FS-24	89.15902	84662	< 1287.	UG/KG	3/28/90	Diethyl phthalate
85FS-24	89.15902	131113	< 1287.	UG/KG	3/28/90	Dimethyl phthalate
85FS-24	89.15902	105679	< 1287.	UG/KG	3/28/90	2,4-Dimethylphenol
85FS-24	89.15902	51285	< 1287.	UG/KG	3/28/90	2,4-Dinitrophenol
85FS-24	89.15902	121142	< 1287.	UG/KG	3/28/90	2,4-Dinitrotoluene
85FS-24	89.15902	606202	< 1287.	UG/KG	3/28/90	2,6-Dinitrotoluene
85FS-24	89.15902	206440	< 1287.	UG/KG	3/28/90	Fluoranthene
85FS-24	89.15902	86737	< 1287.	UG/KG	3/28/90	Fluorene
85FS-24	89.15902	118741	< 1287.	UG/KG	3/28/90	Hexachlorobenzene
85FS-24	89.15902	87683	< 1287.	UG/KG	3/28/90	Hexachlorobutadiene
85FS-24	89.15902	77474	< 1287.	UG/KG	3/28/90	Hexachlorocyclopentadiene
85FS-24	89.15902	67721	< 1287.	UG/KG	3/28/90	Hexachloroethane
85FS-24	89.15902	193395	< 1287.	UG/KG	3/28/90	Indeno(1,2,3-cd)pyrene
85FS-24	89.15902	78591	< 1287.	UG/KG	3/28/90	Isophorone
85FS-24	89.15902	534521	< 1287.	UG/KG	3/28/90	2-Methyl-4,6-dinitrophenol
85FS-24	89.15902	91576	< 1287.	UG/KG	3/28/90	2-Methylnaphthalene
85FS-24	89.15902	95487	< 1287.	UG/KG	3/28/90	2-Methylphenol
85FS-24	89.15902	106445	< 1287.	UG/KG	3/28/90	4-Methylphenol
85FS-24	89.15902	91203	< 1287.	UG/KG	3/28/90	Naphthalene
85FS-24	89.15902	88744	< 1287.	UG/KG	3/28/90	2-Nitroaniline
85FS-24	89.15902	99092	< 1287.	UG/KG	3/28/90	3-Nitroaniline
85FS-24	89.15902	100016	< 1287.	UG/KG	3/28/90	4-Nitroaniline
85FS-24	89.15902	98953	< 1287.	UG/KG	3/28/90	Nitrobenzene
85FS-24	89.15902	88755	< 1287.	UG/KG	3/28/90	2-Nitrophenol
85FS-24	89.15902	100027	< 1287.	UG/KG	3/28/90	4-Nitrophenol
85FS-24	89.15902	621647	< 1287.	UG/KG	3/28/90	N-Nitrosodi-n-propylamine
85FS-24	89.15902	62759	< 1287.	UG/KG	3/28/90	N-Nitrosodimethylamine
85FS-24	89.15902	86306	< 1287.	UG/KG	3/28/90	N-Nitrosodiphenylamine
85FS-24	89.15902	87865	< 1287.	UG/KG	3/28/90	Pentachlorophenol
85FS-24	89.15902	85018	< 1287.	UG/KG	3/28/90	Phenanthrene
85FS-24	89.15902	108952	< 1287.	UG/KG	3/28/90	Phenol
85FS-24	89.15902	129000	< 1287.	UG/KG	3/28/90	Pyrene
85FS-24	89.15902	120821	< 1287.	UG/KG	3/28/90	1,2,4-Trichlorobenzene
85FS-24	89.15902	95954	< 1287.	UG/KG	3/28/90	2,4,5-Trichlorophenol
85FS-24	89.15902	88062	< 1287.	UG/KG	3/28/90	2,4,6-Trichlorophenol

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85FS-24	89.15902	105679	< 1287.	UG/KG	3/28/90	2,4-Xylenol

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REPORT NUMBER: 6396

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

THE FOLLOWING HAVE NO CERTIFIED VALUE DATA FOR COMPARISON
THESE MAY BE DOE EML, EPA, OR NIOSH BLIND PERFORMANCE EVALUATION SAMPLES

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	SAMPLE NAME
00.01356	00.01356	100016	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	100027	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	100516	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	101553	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	103333	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	105679	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	106445	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	106467	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	106478	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	108601	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	108952	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	111444	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	111911	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	117817	460.	92.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	117840	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	118741	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	120127	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	120821	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	120832	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	121142	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	129000	< 330.		UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)

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00.01356	00.01356	131113	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	132649	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	191242	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	193395	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	205992	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	206440	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	207089	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	208968	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	218019	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	50328	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	51285	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	534521	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	53703	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	541731	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	56553	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	59507	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	606202	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	621647	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	62533	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	62759	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	65850	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	67721	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	7005723	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	77474	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	78591	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	83329	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	84662	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	84742	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	85018	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	85687	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	86306	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	86737	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	87683	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	87865	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	88062	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	88744	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	88755	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	91203	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	91576	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	91587	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	91941	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	92875	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	95487	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	95501	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356	95578	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)

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00.01356	00.01356 95954	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356 98953	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)
00.01356	00.01356 99092	< 330.	UG/KG	3/28/90	EPA GC/MS Base Neutrals in Water-III #2 (WP1082)

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REPORT NUMBER: 6396 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: ESG on 29-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Martin Koby PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

The following analyst QA's have no CV data for comparison

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	
00.01356	00.01356	83329	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Acenaphthene
00.01356	00.01356	208968	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Acenaphthylene
00.01356	00.01356	62533	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Aniline
00.01356	00.01356	120127	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Anthracene
00.01356	00.01356	103333	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Azobenzene
00.01356	00.01356	56553	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Benz(a)anthracene
00.01356	00.01356	92875	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	m-Benzidine
00.01356	00.01356	191242	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Benzo(g,h,i)perylene
00.01356	00.01356	50328	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Benzo-a-pyrene
00.01356	00.01356	205992	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Benzo-b-fluoranthene
00.01356	00.01356	207089	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Benzo-k-fluoranthene
00.01356	00.01356	65850	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Benzoic acid
00.01356	00.01356	100516	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Benzyl alcohol
00.01356	00.01356	111911	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Bis(2-chloroethoxy)methane
00.01356	00.01356	111444	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Bis(2-chloroethyl)ether
00.01356	00.01356	108601	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Bis(2-chloroisopropyl)ether

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00.01356	00.01356 117817	460.	92.	UG/KG	3/28/90	NO DATA AVAIL.	Bis(2-ethylhexyl)phthalate
00.01356	00.01356 101553	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	4-Bromophenylphenyl ether
00.01356	00.01356 85687	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Butylbenzyl phthalate
00.01356	00.01356 59507	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	4-Chloro-3-methylphenol
00.01356	00.01356 106478	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	4-Chloroaniline
00.01356	00.01356 91587	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2-Chloronaphthalene
00.01356	00.01356 95578	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	o-Chlorophenol
00.01356	00.01356 7005723	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	4-Chlorophenylphenyl ether
00.01356	00.01356 218019	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Chrysene
00.01356	00.01356 106445	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	p-Cresol
00.01356	00.01356 84742	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Di-n-butyl phthalate
00.01356	00.01356 117840	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Di-n-octyl phthalate
00.01356	00.01356 53703	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Dibenzo(a,h)anthracene
00.01356	00.01356 132649	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Dibenzofuran
00.01356	00.01356 95501	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	o-Dichlorobenzene (1,2)
00.01356	00.01356 541731	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	m-Dichlorobenzene (1,3)
00.01356	00.01356 106467	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	p-Dichlorobenzene (1,4)
00.01356	00.01356 91941	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	3,3'-Dichlorobenzidine
00.01356	00.01356 120832	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2,4-Dichlorophenol
00.01356	00.01356 84662	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Diethyl phthalate
00.01356	00.01356 131113	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Dimethyl phthalate
00.01356	00.01356 105679	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2,4-Dimethylphenol
00.01356	00.01356 51285	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2,4-Dinitrophenol
00.01356	00.01356 121142	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2,4-Dinitrotoluene
00.01356	00.01356 606202	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2,6-Dinitrotoluene
00.01356	00.01356 206440	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Fluoranthene
00.01356	00.01356 86737	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Fluorene
00.01356	00.01356 118741	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Hexachlorobenzene
00.01356	00.01356 87683	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Hexachlorobutadiene
00.01356	00.01356 77474	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Hexachlorocyclopentadiene
00.01356	00.01356 67721	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Hexachloroethane
00.01356	00.01356 193395	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Indeno(1,2,3-cd)pyrene
00.01356	00.01356 78591	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Isophorone
00.01356	00.01356 534521	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2-Methyl-4,6-dinitrophenol
00.01356	00.01356 91576	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2-Methylnaphthalene
00.01356	00.01356 95487	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2-Methylphenol
00.01356	00.01356 106445	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	4-Methylphenol
00.01356	00.01356 91203	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Naphthalene
00.01356	00.01356 88744	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2-Nitroaniline
00.01356	00.01356 99092	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	3-Nitroaniline
00.01356	00.01356 100016	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	4-Nitroaniline
00.01356	00.01356 98953	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	Nitrobenzene
00.01356	00.01356 88755	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	2-Nitrophenol
00.01356	00.01356 100027	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	4-Nitrophenol
00.01356	00.01356 621647	< 330.		UG/KG	3/28/90	NO DATA AVAIL.	N-Nitrosodi-n-propylamine

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00.01356	00.01356 62759	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	N-Nitrosodimethylamine
00.01356	00.01356 86306	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	N-Nitrosodiphenylamine
00.01356	00.01356 87865	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	Pentachlorophenol
00.01356	00.01356 85018	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	Phenanthrene
00.01356	00.01356 108952	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	Phenol
00.01356	00.01356 129000	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	Pyrene
00.01356	00.01356 120821	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	1,2,4-Trichlorobenzene
00.01356	00.01356 95954	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	2,4,5-Trichlorophenol
00.01356	00.01356 88062	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	2,4,6-Trichlorophenol
00.01356	00.01356 105679	< 330.	UG/KG	3/28/90	NO DATA AVAIL.	2,4-Xylenol

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

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND-NAME
89.15904	83329	< 330.		UG/KG			3/28/90	UNDER CONTROL	Acenaphthene
89.15904	208968	< 330.		UG/KG			3/28/90	UNDER CONTROL	Acenaphthylene
89.15904	62533	< 330.		UG/KG			3/28/90	UNDER CONTROL	Aniline
89.15904	120127	< 330.		UG/KG			3/28/90	UNDER CONTROL	Anthracene
89.15904	103333	< 330.		UG/KG			3/28/90	UNDER CONTROL	Azobenzene
89.15904	56553	< 330.		UG/KG			3/28/90	UNDER CONTROL	Benz(a)anthracene
89.15904	92875	< 330.		UG/KG			3/28/90	UNDER CONTROL	m-Benzidine
89.15904	191242	< 330.		UG/KG			3/28/90	UNDER CONTROL	Benzo(g,h,i)perylene
89.15904	50328	< 330.		UG/KG			3/28/90	UNDER CONTROL	Benzo-a-pyrene
89.15904	205992	< 330.		UG/KG			3/28/90	UNDER CONTROL	Benzo-b-fluoranthene
89.15904	207089	< 330.		UG/KG			3/28/90	UNDER CONTROL	Benzo-k-fluoranthene
89.15904	65850	< 330.		UG/KG			3/28/90	UNDER CONTROL	Benzoic acid
89.15904	100516	< 330.		UG/KG			3/28/90	UNDER CONTROL	Benzyl alcohol
89.15904	111911	< 330.		UG/KG			3/28/90	UNDER CONTROL	Bis(2-chloroethoxy)methane
89.15904	111444	< 330.		UG/KG			3/28/90	UNDER CONTROL	Bis(2-chloroethyl)ether
89.15904	108601	< 330.		UG/KG			3/28/90	UNDER CONTROL	Bis(2-chloroisopropyl)ether
89.15904	117817	850.	170.	UG/KG			3/28/90	OUT OF CONTROL	Bis(2-ethylhexyl)phthalate
89.15904	101553	< 330.		UG/KG			3/28/90	UNDER CONTROL	4-Bromophenylphenyl ether
89.15904	85687	< 330.		UG/KG			3/28/90	UNDER CONTROL	Butylbenzyl phthalate
89.15904	59507	2400.	480.	UG/KG	100.	40.	3/28/90	UNDER CONTROL	4-Chloro-3-methylphenol
89.15904	106478	< 330.		UG/KG			3/28/90	UNDER CONTROL	4-Chloroaniline
89.15904	91587	< 330.		UG/KG			3/28/90	UNDER CONTROL	2-Chloronaphthalene
89.15904	95578	1800.	360.	UG/KG	100.	30.	3/28/90	UNDER CONTROL	o-Chlorophenol
89.15904	7005723	< 330.		UG/KG			3/28/90	UNDER CONTROL	4-Chlorophenylphenyl ether
89.15904	218019	< 330.		UG/KG			3/28/90	UNDER CONTROL	Chrysene

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89.15904	106445	< 330.		UG/KG			3/28/90	UNDER CONTROL	p-Cresol
89.15904	84742	< 330.		UG/KG			3/28/90	UNDER CONTROL	Di-n-butyl phthalate
89.15904	117840	< 330.		UG/KG			3/28/90	UNDER CONTROL	Di-n-octyl phthalate
89.15904	53703	< 330.		UG/KG			3/28/90	UNDER CONTROL	Dibenzo(a,h)anthracene
89.15904	132649	< 330.		UG/KG			3/28/90	UNDER CONTROL	Dibenzofuran
89.15904	95501	< 330.		UG/KG			3/28/90	UNDER CONTROL	o-Dichlorobenzene (1,2)
89.15904	541731	< 330.		UG/KG			3/28/90	UNDER CONTROL	m-Dichlorobenzene (1,3)
89.15904	106467	< 330.		UG/KG			3/28/90	UNDER CONTROL	p-Dichlorobenzene (1,4)
89.15904	91941	< 330.		UG/KG			3/28/90	UNDER CONTROL	3,3'-Dichlorobenzidine
89.15904	120832	1700.	340.	UG/KG	100.	30.	3/28/90	UNDER CONTROL	2,4-Dichlorophenol
89.15904	84662	< 330.		UG/KG			3/28/90	UNDER CONTROL	Diethyl phthalate
89.15904	131113	< 330.		UG/KG			3/28/90	UNDER CONTROL	Dimethyl phthalate
89.15904	105679	1800.	360.	UG/KG	100.	30.	3/28/90	UNDER CONTROL	2,4-Dimethylphenol
89.15904	51285	< 330.		UG/KG			3/28/90	UNDER CONTROL	2,4-Dinitrophenol
89.15904	121142	< 330.		UG/KG			3/28/90	UNDER CONTROL	2,4-Dinitrotoluene
89.15904	606202	< 330.		UG/KG			3/28/90	UNDER CONTROL	2,6-Dinitrotoluene
89.15904	206440	< 330.		UG/KG			3/28/90	UNDER CONTROL	Fluoranthene
89.15904	86737	< 330.		UG/KG			3/28/90	UNDER CONTROL	Fluorene
89.15904	118741	< 330.		UG/KG			3/28/90	UNDER CONTROL	Hexachlorobenzene
89.15904	87683	< 330.		UG/KG			3/28/90	UNDER CONTROL	Hexachlorobutadiene
89.15904	77474	< 330.		UG/KG			3/28/90	UNDER CONTROL	Hexachlorocyclopentadiene
89.15904	67721	< 330.		UG/KG			3/28/90	UNDER CONTROL	Hexachloroethane
89.15904	193395	< 330.		UG/KG			3/28/90	UNDER CONTROL	Indeno(1,2,3-cd)pyrene
89.15904	78591	< 330.		UG/KG			3/28/90	UNDER CONTROL	Isophorone
89.15904	534521	2100.	420.	UG/KG	100.	90.	3/28/90	UNDER CONTROL	2-Methyl-4,6-dinitrophenol
89.15904	91576	< 330.		UG/KG			3/28/90	UNDER CONTROL	2-Methylnaphthalene
89.15904	95487	< 330.		UG/KG			3/28/90	UNDER CONTROL	2-Methylphenol
89.15904	106445	< 330.		UG/KG			3/28/90	UNDER CONTROL	4-Methylphenol
89.15904	91203	< 330.		UG/KG			3/28/90	UNDER CONTROL	Naphthalene
89.15904	88744	< 330.		UG/KG			3/28/90	UNDER CONTROL	2-Nitroaniline
89.15904	99092	< 330.		UG/KG			3/28/90	UNDER CONTROL	3-Nitroaniline
89.15904	100016	< 330.		UG/KG			3/28/90	UNDER CONTROL	4-Nitroaniline
89.15904	98953	< 330.		UG/KG			3/28/90	UNDER CONTROL	Nitrobenzene
89.15904	88755	1600.	320.	UG/KG	100.	40.	3/28/90	UNDER CONTROL	2-Nitrophenol
89.15904	100027	2500.	500.	UG/KG	100.	50.	3/28/90	UNDER CONTROL	4-Nitrophenol
89.15904	621647	< 330.		UG/KG			3/28/90	UNDER CONTROL	N-Nitrosodi-n-propylamine
89.15904	62759	< 330.		UG/KG			3/28/90	UNDER CONTROL	N-Nitrosodimethylamine
89.15904	86306	< 330.		UG/KG			3/28/90	UNDER CONTROL	N-Nitrosodiphenylamine
89.15904	87865	2400.	480.	UG/KG	100.	50.	3/28/90	UNDER CONTROL	Pentachlorophenol
89.15904	85018	< 330.		UG/KG			3/28/90	UNDER CONTROL	Phenanthrene
89.15904	108952	2000.	400.	UG/KG	100.	20.	3/28/90	UNDER CONTROL	Phenol
89.15904	129000	< 330.		UG/KG			3/28/90	UNDER CONTROL	Pyrene
89.15904	120821	< 330.		UG/KG			3/28/90	UNDER CONTROL	1,2,4-Trichlorobenzene
89.15904	95954	< 330.		UG/KG			3/28/90	UNDER CONTROL	2,4,5-Trichlorophenol
89.15904	88062	2200.	440.	UG/KG	100.	30.	3/28/90	UNDER CONTROL	2,4,6-Trichlorophenol

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89.15904	105679	1800.	360.	UG/KG	100.	30.	3/28/90	UNDER CONTROL	2,4-Xylenol

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
00.01356	%	52.	59.	55.	63.	59.	103.	28-Mar-1990
89.15879	%	41.	48.	48.	66.	71.	95.	23-Mar-1990
89.15880	%	48.	54.	54.	66.	71.	96.	23-Mar-1990
89.15881	%	34.	47.	50.	80.	69.	94.	23-Mar-1990
89.15882	%	64.	66.	69.	83.	79.	95.	23-Mar-1990
89.15883	%	50.	59.	60.	75.	77.	87.	23-Mar-1990
89.15884	%	39.	51.	61.	85.	145.	39.	27-Mar-1990
89.15885	%	49.	56.	49.	66.	77.	94.	27-Mar-1990
89.15886	%	999.	40.	31.	72.	999.	999.	28-Mar-1990
89.15887	%	42.	54.	46.	74.	999.	999.	27-Mar-1990
89.15888	%	60.	67.	74.	92.	84.	111.	28-Mar-1990
89.15889	%	59.	67.	66.	84.	82.	100.	27-Mar-1990
89.15890	%	64.	67.	67.	82.	82.	93.	28-Mar-1990
89.15892	%	53.	63.	64.	80.	83.	105.	27-Mar-1990
89.15893	%	47.	57.	56.	77.	53.	104.	28-Mar-1990
89.15894	%	49.	59.	53.	76.	58.	114.	28-Mar-1990
89.15895	%	55.	65.	61.	87.	70.	111.	28-Mar-1990
89.15896	%	52.	62.	57.	84.	51.	99.	28-Mar-1990
89.15897	%	54.	62.	71.	83.	97.	83.	27-Mar-1990
89.15898	%	38.	54.	65.	88.	99.	90.	28-Mar-1990
89.15899	%	38.	54.	57.	90.	60.	123.	27-Mar-1990
89.15900	%	55.	63.	69.	86.	83.	87.	28-Mar-1990
89.15901	%	59.	72.	63.	77.	69.	106.	28-Mar-1990
89.15902	%	60.	67.	64.	81.	81.	108.	28-Mar-1990
89.15904	%	41.	50.	43.	56.	65.	103.	28-Mar-1990
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	

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Analyst	Section Leader	QA Officer
4/30/90	4/30/90	
Date	Date	Date

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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POLYCHLORINATED BIPHENYL ANALYSES

October 12, 1989

DRAFT

TA-35 TEL-85
Soil samples

Steve,

Attached you will find copies of the **final** reports for the soil samples that you submitted for [redacted] If you have any questions regarding these results, please do not hesitate to contact me at 7-5889 or stop by my office (TA-59, OH-1, Room 115) at your convenience. Thank you for your continued support of our PCB analysis programs.

Chuck Rzeszutko

Organic Section Leader

HSE-9

REPORT NUMBER: 4267

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DMS on 5-Oct-1989

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Dee Seitz

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-1	89.15955	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-2	89.15956	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-3	89.15957	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-4	89.15958	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-5	89.15959	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-6	89.15960	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-7	89.15961	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-8	89.15962	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-2-9	89.15963	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-2-10	89.15964	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-2-11	89.15965	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-2-12	89.15966	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-13	89.15967	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-14	89.15968	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-15	89.15969	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-16	89.15970	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-17	89.15971	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-18	89.15972	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C3-19	89.15973	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C3-20	89.15974	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C3-21	89.15975	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor

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85C3-22	89.15976	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C3-23	89.15977	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C3-24	89.15978	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C4-2	89.16078	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85C4-9	89.16079	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85C4-10	89.16080	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor

DETAILED PCB DATA for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-1	89.15955	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-1	89.15955	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-1	89.15955	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-1	89.15955	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-2	89.15956	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-2	89.15956	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-2	89.15956	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-2	89.15956	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-3	89.15957	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-3	89.15957	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-3	89.15957	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-3	89.15957	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-4	89.15958	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-4	89.15958	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-4	89.15958	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-4	89.15958	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-5	89.15959	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-5	89.15959	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-5	89.15959	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-5	89.15959	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-6	89.15960	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-6	89.15960	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-6	89.15960	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-6	89.15960	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-7	89.15961	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-7	89.15961	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-7	89.15961	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-7	89.15961	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-8	89.15962	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-8	89.15962	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-8	89.15962	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-8	89.15962	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260

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85-C-2-9	89.15963	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85-C-2-9	89.15963	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85-C-2-9	89.15963	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85-C-2-9	89.15963	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85-C-2-10	89.15964	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85-C-2-10	89.15964	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85-C-2-10	89.15964	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85-C-2-10	89.15964	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85-C-2-11	89.15965	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85-C-2-11	89.15965	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85-C-2-11	89.15965	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85-C-2-11	89.15965	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85-C-2-12	89.15966	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85-C-2-12	89.15966	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85-C-2-12	89.15966	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85-C-2-12	89.15966	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-13	89.15967	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-13	89.15967	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-13	89.15967	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-13	89.15967	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-14	89.15968	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-14	89.15968	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-14	89.15968	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-14	89.15968	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-15	89.15969	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-15	89.15969	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-15	89.15969	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-15	89.15969	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-16	89.15970	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-16	89.15970	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-16	89.15970	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-16	89.15970	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-17	89.15971	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-17	89.15971	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-17	89.15971	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-17	89.15971	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-18	89.15972	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-18	89.15972	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-18	89.15972	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-18	89.15972	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-19	89.15973	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-19	89.15973	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-19	89.15973	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-19	89.15973	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-20	89.15974	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor

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85C3-20	89.15974	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-20	89.15974	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-20	89.15974	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-21	89.15975	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-21	89.15975	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-21	89.15975	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-21	89.15975	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-22	89.15976	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-22	89.15976	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-22	89.15976	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-22	89.15976	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-23	89.15977	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-23	89.15977	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-23	89.15977	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-23	89.15977	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-24	89.15978	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-24	89.15978	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-24	89.15978	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-24	89.15978	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C4-2	89.16078	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85C4-2	89.16078	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85C4-2	89.16078	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85C4-2	89.16078	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85C4-9	89.16079	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85C4-9	89.16079	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85C4-9	89.16079	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85C4-9	89.16079	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85C4-10	89.16080	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85C4-10	89.16080	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85C4-10	89.16080	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85C4-10	89.16080	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260

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REPORT NUMBER: 4267 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: DMS on 5-Oct-1989

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Dee Seitz

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND
00.20070	00.20070	1336363	19.	3.8	UG/G	25.	2.	10/05/89	UNDER CONTROL	Mixed-Aroclor
00.20070	00.20070	53469219	< 0.1		UG/G			10/05/89	UNDER CONTROL	Aroclor 1242
00.20070	00.20070	11097691	< 0.1		UG/G			10/05/89	UNDER CONTROL	Aroclor 1254
00.20070	00.20070	11096825	19.	3.8	UG/G	25.	2.	10/05/89	UNDER CONTROL	Aroclor 1260

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

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND-NAME
89.16148	1336363	6.75	1.4	UG/G	10/05/89	UNDER CONTROL	Mixed-Aroclor
89.16148	53469219	< 0.1		UG/G	10/05/89	UNDER CONTROL	Aroclor 1242
89.16148	11097691	< 0.1		UG/G	10/05/89	UNDER CONTROL	Aroclor 1254
89.16148	11096825	6.75	1.4	UG/G	10/05/89	UNDER CONTROL	Aroclor 1260

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Analyst	Section Leader	QA Officer
[signature]	[signature]	mag
Date	Date	10-11-89
10/5/89	10-5-89	Date

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: 4266

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DMS on 5-Oct-1989

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Dee Seitz

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-1	89.15879	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-2	89.15880	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-3	89.15881	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-4	89.15882	1336363	0.3	0.06	UG/G	10/05/89		Mixed-Aroclor
85FS-5	89.15883	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-6	89.15884	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-7	89.15885	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-8	89.15886	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-9	89.15887	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-10	89.15888	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-11	89.15889	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-12	89.15890	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-13	89.15891	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-14	89.15892	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-15	89.15893	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-16	89.15894	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-17	89.15895	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-18	89.15896	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-19	89.15897	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-20	89.15898	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-21	89.15899	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor

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85FS-22	89.15900	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-23	89.15901	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-24	89.15902	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor

DETAILED PCB DATA for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85FS-1	89.15879	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-1	89.15879	53469219	< 0.1		UG/G	10/05/89		Aroclor 1242
85FS-1	89.15879	11097691	< 0.1		UG/G	10/05/89		Aroclor 1254
85FS-1	89.15879	11096825	< 0.1		UG/G	10/05/89		Aroclor 1260
85FS-2	89.15880	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-2	89.15880	53469219	< 0.1		UG/G	10/05/89		Aroclor 1242
85FS-2	89.15880	11097691	< 0.1		UG/G	10/05/89		Aroclor 1254
85FS-2	89.15880	11096825	< 0.1		UG/G	10/05/89		Aroclor 1260
85FS-3	89.15881	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-3	89.15881	53469219	< 0.1		UG/G	10/05/89		Aroclor 1242
85FS-3	89.15881	11097691	< 0.1		UG/G	10/05/89		Aroclor 1254
85FS-3	89.15881	11096825	< 0.1		UG/G	10/05/89		Aroclor 1260
85FS-4	89.15882	1336363	0.3	0.06	UG/G	10/05/89		Mixed-Aroclor
85FS-4	89.15882	53469219	< 0.1		UG/G	10/05/89		Aroclor 1242
85FS-4	89.15882	11097691	< 0.1		UG/G	10/05/89		Aroclor 1254
85FS-4	89.15882	11096825	0.3	0.06	UG/G	10/05/89		Aroclor 1260
85FS-5	89.15883	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-5	89.15883	53469219	< 0.1		UG/G	10/05/89		Aroclor 1242
85FS-5	89.15883	11097691	< 0.1		UG/G	10/05/89		Aroclor 1254
85FS-5	89.15883	11096825	< 0.1		UG/G	10/05/89		Aroclor 1260
85FS-6	89.15884	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-6	89.15884	53469219	< 0.1		UG/G	10/05/89		Aroclor 1242
85FS-6	89.15884	11097691	< 0.1		UG/G	10/05/89		Aroclor 1254
85FS-6	89.15884	11096825	< 0.1		UG/G	10/05/89		Aroclor 1260
85FS-7	89.15885	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-7	89.15885	53469219	< 0.1		UG/G	10/05/89		Aroclor 1242
85FS-7	89.15885	11097691	< 0.1		UG/G	10/05/89		Aroclor 1254
85FS-7	89.15885	11096825	< 0.1		UG/G	10/05/89		Aroclor 1260
85FS-8	89.15886	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-8	89.15886	53469219	< 0.1		UG/G	10/05/89		Aroclor 1242
85FS-8	89.15886	11097691	< 0.1		UG/G	10/05/89		Aroclor 1254
85FS-8	89.15886	11096825	< 0.1		UG/G	10/05/89		Aroclor 1260
85FS-9	89.15887	1336363	< 0.1		UG/G	10/05/89		Mixed-Aroclor
85FS-9	89.15887	53469219	< 0.1		UG/G	10/05/89		Aroclor 1242
85FS-9	89.15887	11097691	< 0.1		UG/G	10/05/89		Aroclor 1254

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85FS-9	89.15887	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-10	89.15888	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-10	89.15888	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-10	89.15888	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-10	89.15888	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-11	89.15889	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-11	89.15889	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-11	89.15889	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-11	89.15889	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-12	89.15890	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-12	89.15890	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-12	89.15890	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-12	89.15890	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-13	89.15891	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-13	89.15891	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-13	89.15891	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-13	89.15891	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-14	89.15892	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-14	89.15892	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-14	89.15892	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-14	89.15892	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-15	89.15893	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-15	89.15893	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-15	89.15893	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-15	89.15893	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-16	89.15894	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-16	89.15894	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-16	89.15894	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-16	89.15894	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-17	89.15895	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-17	89.15895	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-17	89.15895	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-17	89.15895	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-18	89.15896	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-18	89.15896	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-18	89.15896	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-18	89.15896	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-19	89.15897	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-19	89.15897	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-19	89.15897	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-19	89.15897	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-20	89.15898	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-20	89.15898	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-20	89.15898	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-20	89.15898	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260

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85FS-21	89.15899	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-21	89.15899	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-21	89.15899	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-21	89.15899	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-22	89.15900	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-22	89.15900	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-22	89.15900	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-22	89.15900	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-23	89.15901	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-23	89.15901	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-23	89.15901	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-23	89.15901	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85FS-24	89.15902	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85FS-24	89.15902	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85FS-24	89.15902	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85FS-24	89.15902	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260

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REPORT NUMBER: 4266 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: DMS on 5-Oct-1989

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 7968 MATRIX: SS ANALYST: Dee Seitz

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND
00.20021	00.20021	1336363	9.5	1.9	UG/G	15.	2.	10/05/89	UNDER CONTROL	Mixed-Aroclor
00.20021	00.20021	53469219	9.5	1.9	UG/G	15.	2.	10/05/89	UNDER CONTROL	Aroclor 1242
00.20021	00.20021	11097691	< 0.1		UG/G			10/05/89	UNDER CONTROL	Aroclor 1254
00.20021	00.20021	11096825	< 0.1		UG/G			10/05/89	UNDER CONTROL	Aroclor 1260

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

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND-NAME
89.15903	1336363	18.4	3.7	UG/G	10/05/89	UNDER CONTROL	Mixed-Aroclor
89.15903	53469219	18.4	3.7	UG/G	10/05/89	UNDER CONTROL	Aroclor 1242
89.15903	11097691	< 0.1		UG/G	10/05/89	UNDER CONTROL	Aroclor 1254
89.15903	11096825	< 0.1		UG/G	10/05/89	UNDER CONTROL	Aroclor 1260

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mag
10-11-89

Analyst	Section Leader	QA Officer
Date	Date	Date
10/5/89	10-5-89	10-11-89

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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METAL ANALYSES

TA-35 TSL-85
Final Soils Verification
EP tox metals

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HSE-9 ANALYTICAL SERVICE AGREEMENT

Request No. 7968

I. PRESAMPLING CONFERENCE

Program Code 7[illegible] No. Samples Expected 24 ea soil } VOC SVOC PCB metals - see below

Submission Date -18-89 Completion Date TBA

Chain of Custody Yes Special Protocol? (EPA etc.) EPA-EPTOX

Analyses Requested: List analyses on HSE-9 Analytical Chemistry Request Sheet. VOA Semivols PCB metals
(Indicate expected concentration range and required detection limits under remarks.)

Container Type 2x Return Preservative None - Chill to 4°C
(See Memo HSE 8-304. Guidelines for Collection and Preservation of Liquid Samples.)

Storage Conditions *(circle one or more)*: None Refrigerate Freeze Darkness

Sample Hazards *(Circle one or more)*
No hazard Toxic Radioactive: alpha beta gamma Flammable Explosive/Reactive

Sample Disposal: Return_____ Discard ✓ only if no RCRA compounds
(All hazardous waste or TRU wastes will be returned to the customer.)

Customer S. Hoon HSE-9 Section Leader [signature] Organic
Customer Phone 1721 MS K490 Robert Robinson Inorganic
Date 9/[illegible] _____ Radiochem

Metals:
1.) EP tox metals
2.) Total metals for 12 ea (see below)

II. EMERGENCY SAMPLES

Emergency Status requires the following signatures:

Customer Group Leader_____
HSE-9 Group Leader_____
Date_____

Set A = metals
Set B = VOA
Set C = SVOA
Set D = PCB

III. SAMPLE RECEIPT

Signature [signature] Date [illegible] Total No. Samples Received [illegible] + 24 c

HSE-9 Sample No. Range [illegible] to [illegible] 907.

Customer Sample Range [illegible] to [illegible] 24.

12 METALS:
1. Antimony
2. Arsenic
3. Barium
4. Beryllium
[illegible] Chromium
[illegible] Lead
[illegible] Mercury
[illegible] Nickel
[illegible] Silver
[illegible] Thallium

3-8-89

REPORT NUMBER: 4653

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********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CB on 6-Nov-1989

REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Trudi Foreman

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85FS-1	89.15879	AG	0.005	0.003	MG/L	10/26/89	EPTOX
85FS-1	89.15879	AG	0.011	0.003	MG/L	10/26/89	EPTOX
85FS-1	89.15879	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-1	89.15879	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-1	89.15879	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-1	89.15879	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-1	89.15879	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-1	89.15879	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-2	89.15880	AG	0.004	0.003	MG/L	10/26/89	EPTOX
85FS-2	89.15880	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-2	89.15880	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-2	89.15880	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-2	89.15880	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-3	89.15881	AG	0.003	0.003	MG/L	10/26/89	EPTOX
85FS-3	89.15881	AG	0.006	0.003	MG/L	10/26/89	EPTOX
85FS-3	89.15881	AS	2.2	2.	UG/L	10/26/89	EPTOX
85FS-3	89.15881	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-3	89.15881	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-3	89.15881	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-3	89.15881	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-3	89.15881	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-4	89.15882	AG	0.01	0.003	MG/L	10/26/89	EPTOX
85FS-4	89.15882	AG	0.003	0.003	MG/L	10/26/89	EPTOX
85FS-4	89.15882	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-4	89.15882	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-4	89.15882	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-4	89.15882	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-4	89.15882	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-4	89.15882	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-5	89.15883	AG	0.004	0.003	MG/L	10/26/89	EPTOX
85FS-5	89.15883	AG	0.004	0.003	MG/L	10/26/89	EPTOX
85FS-5	89.15883	AS	2.8	2.	UG/L	10/26/89	EPTOX
85FS-5	89.15883	AS	2.4	2.	UG/L	10/26/89	EPTOX
85FS-5	89.15883	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-5	89.15883	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-5	89.15883	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-5	89.15883	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-6	89.15884	AG	0.005	0.003	MG/L	10/26/89	EPTOX
85FS-6	89.15884	AG	0.008	0.003	MG/L	10/26/89	EPTOX
85FS-6	89.15884	AS	< 2.		UG/L	10/26/89	EPTOX

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85FS-6	89.15884	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-6	89.15884	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-6	89.15884	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-6	89.15884	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-6	89.15884	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-7	89.15885	AG	0.004	0.003	MG/L	10/26/89	EPTOX
85FS-7	89.15885	AG	0.003	0.003	MG/L	10/26/89	EPTOX
85FS-7	89.15885	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-7	89.15885	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-7	89.15885	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-7	89.15885	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-7	89.15885	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-7	89.15885	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-8	89.15886	AG	< 0.003		MG/L	10/26/89	EPTOX
85FS-8	89.15886	AG	< 0.003		MG/L	10/26/89	EPTOX
85FS-8	89.15886	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-8	89.15886	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-8	89.15886	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-8	89.15886	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-8	89.15886	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-8	89.15886	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-9	89.15887	AG	< 0.003		MG/L	10/26/89	EPTOX
85FS-9	89.15887	AG	< 0.003		MG/L	10/26/89	EPTOX
85FS-9	89.15887	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-9	89.15887	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-9	89.15887	PB	0.054	0.05	MG/L	10/26/89	EPTOX
85FS-9	89.15887	PB	0.061	0.05	MG/L	10/26/89	EPTOX
85FS-9	89.15887	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-9	89.15887	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-10	89.15888	AG	< 0.003		MG/L	10/26/89	EPTOX
85FS-10	89.15888	AG	0.009	0.003	MG/L	10/26/89	EPTOX
85FS-10	89.15888	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-10	89.15888	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-10	89.15888	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-10	89.15888	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-10	89.15888	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-10	89.15888	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-11	89.15889	AG	< 0.003		MG/L	10/26/89	EPTOX
85FS-11	89.15889	AG	0.006	0.003	MG/L	10/26/89	EPTOX
85FS-11	89.15889	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-11	89.15889	AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-11	89.15889	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-11	89.15889	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-11	89.15889	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-11	89.15889	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-12	89.15890	AG	0.024	0.002	MG/L	10/26/89	EPTOX
85FS-12	89.15890	AG	0.018	0.003	MG/L	10/26/89	EPTOX
85FS-12	89.15890	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-12	89.15890	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-12	89.15890	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-12	89.15890	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-12	89.15890	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-12	89.15890	SE	< 1.		UG/L	10/26/89	EPTOX
85FS-13	89.15891	AG	< 0.003		MG/L	10/26/89	EPTOX
85FS-13	89.15891	AG	0.003	0.003	MG/L	10/26/89	EPTOX
85FS-13	89.15891	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-13	89.15891	AS	< 2.		UG/L	10/26/89	EPTOX
85FS-13	89.15891	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-13	89.15891	PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-13	89.15891	SE	< 1.		UG/L	10/26/89	EPTOX

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85FS-13	89.15891	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-14	89.15892	AG		0.008	0.003	MG/L	10/26/89	EPTOX
85FS-14	89.15892	AG		0.005	0.003	MG/L	10/26/89	EPTOX
85FS-14	89.15892	AS		2.	2.	UG/L	10/26/89	EPTOX
85FS-14	89.15892	AS		2.	2.	UG/L	10/26/89	EPTOX
85FS-14	89.15892	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-14	89.15892	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-14	89.15892	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-14	89.15892	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-15	89.15893	AG		0.006	0.003	MG/L	10/26/89	EPTOX
85FS-15	89.15893	AG		0.004	0.003	MG/L	10/26/89	EPTOX
85FS-15	89.15893	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-15	89.15893	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-15	89.15893	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-15	89.15893	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-15	89.15893	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-15	89.15893	SE	A	1.		UG/L	10/26/89	EPTOX
85FS-16	89.15894	AG		< 0.003		MG/L	10/26/89	EPTOX
85FS-16	89.15894	AG		< 0.003		MG/L	10/26/89	EPTOX
85FS-16	89.15894	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-16	89.15894	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-16	89.15894	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-16	89.15894	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-16	89.15894	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-16	89.15894	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-17	89.15895	AG		0.003	0.003	MG/L	10/26/89	EPTOX
85FS-17	89.15895	AG		0.004	0.003	MG/L	10/26/89	EPTOX
85FS-17	89.15895	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-17	89.15895	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-17	89.15895	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-17	89.15895	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-17	89.15895	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-17	89.15895	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-18	89.15896	AG		0.005	0.003	MG/L	10/26/89	EPTOX
85FS-18	89.15896	AG		0.006	0.003	MG/L	10/26/89	EPTOX
85FS-18	89.15896	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-18	89.15896	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-18	89.15896	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-18	89.15896	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-18	89.15896	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-18	89.15896	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-19	89.15897	AG		0.003	0.003	MG/L	10/26/89	EPTOX
85FS-19	89.15897	AG		< 0.003		MG/L	10/26/89	EPTOX
85FS-19	89.15897	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-19	89.15897	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-19	89.15897	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-19	89.15897	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-19	89.15897	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-19	89.15897	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-20	89.15898	AG		< 0.003		MG/L	10/26/89	EPTOX
85FS-20	89.15898	AG		< 0.003		MG/L	10/26/89	EPTOX
85FS-20	89.15898	AS		< 2.		UG/L	10/26/89	EPTOX
85FS-20	89.15898	AS		2.	2.	UG/L	10/26/89	EPTOX
85FS-20	89.15898	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-20	89.15898	PB		< 0.05		MG/L	10/26/89	EPTOX
85FS-20	89.15898	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-20	89.15898	SE		< 1.		UG/L	10/26/89	EPTOX
85FS-21	89.15899	AG		< 0.003		MG/L	10/26/89	EPTOX
85FS-21	89.15899	AG		< 0.003		MG/L	10/26/89	EPTOX
85FS-21	89.15899	AS		2.	2.	UG/L	10/26/89	EPTOX

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85FS-21	89.15899 AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-21	89.15899 PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-21	89.15899 PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-21	89.15899 SE	< 1.		UG/L	10/26/89	EPTOX
85FS-21	89.15899 SE	< 1.		UG/L	10/26/89	EPTOX
85FS-22	89.15900 AG	0.006	0.003	MG/L	10/26/89	EPTOX
85FS-22	89.15900 AG	0.007	0.003	MG/L	10/26/89	EPTOX
85FS-22	89.15900 AS	3.9	2.	UG/L	10/26/89	EPTOX
85FS-22	89.15900 AS	3.4	2.	UG/L	10/26/89	EPTOX
85FS-22	89.15900 PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-22	89.15900 PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-22	89.15900 SE	< 1.		UG/L	10/26/89	EPTOX
85FS-22	89.15900 SE	< 1.		UG/L	10/26/89	EPTOX
85FS-23	89.15901 AG	0.012	0.003	MG/L	10/26/89	EPTOX
85FS-23	89.15901 AG	0.012	0.003	MG/L	10/26/89	EPTOX
85FS-23	89.15901 AS	2.	2.	UG/L	10/26/89	EPTOX
85FS-23	89.15901 AS	2.2	2.	UG/L	10/26/89	EPTOX
85FS-23	89.15901 PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-23	89.15901 PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-23	89.15901 SE	< 1.		UG/L	10/26/89	EPTOX
85FS-23	89.15901 SE	< 1.		UG/L	10/26/89	EPTOX
85FS-24	89.15902 AG	0.02	0.003	MG/L	10/26/89	EPTOX
85FS-24	89.15902 AG	0.016	0.003	MG/L	10/26/89	EPTOX
85FS-24	89.15902 AS	2.2	2.	UG/L	10/26/89	EPTOX
85FS-24	89.15902 AS	2.8	2.	UG/L	10/26/89	EPTOX
85FS-24	89.15902 PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-24	89.15902 PB	< 0.05		MG/L	10/26/89	EPTOX
85FS-24	89.15902 SE	< 1.		UG/L	10/26/89	EPTOX
85FS-24	89.15902 SE	< 1.		UG/L	10/26/89	EPTOX

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REPORT NUMBER: 4653 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: CB on 6-Nov-1989

REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Trudi Foreman

DRAFT

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE
00.01010	00.01010	AS	27.5	2.8	UG/L	27.	3.	10/26/89 UNDER CONTROL
00.01010	00.01010	AS	29.3	2.9	UG/L	27.	3.	10/26/89 UNDER CONTROL
00.01010	00.01010	AS	30.	3.	UG/L	27.	3.	10/26/89 UNDER CONTROL
00.01010	00.01010	AS	29.1	2.9	UG/L	27.	3.	10/26/89 UNDER CONTROL
00.01010	00.01010	SE	9.6	1.	UG/L	11.	2.	10/26/89 UNDER CONTROL
00.01010	00.01010	SE	10.9	1.1	UG/L	11.	2.	10/26/89 UNDER CONTROL
00.01010	00.01010	SE	11.2	1.1	UG/L	11.	2.	10/26/89 UNDER CONTROL
00.01010	00.01010	SE	10.7	1.1	UG/L	11.	2.	10/26/89 UNDER CONTROL
00.01036	00.01036	PB	87.	8.7	UG/L	100.	8.	10/26/89 UNDER CONTROL
00.01036	00.01036	PB	100.	10.	UG/L	100.	8.	10/26/89 UNDER CONTROL
00.01036	00.01036	PB	99.	9.9	UG/L	100.	8.	10/26/89 UNDER CONTROL
00.98805	00.98805	AG	0.51	0.051	MG/L	0.5	0.05	10/26/89 UNDER CONTROL
00.98805	00.98805	AG	0.497	0.05	MG/L	0.5	0.05	10/26/89 UNDER CONTROL
00.98805	00.98805	AG	0.512	0.051	MG/L	0.5	0.05	10/26/89 UNDER CONTROL
00.98805	00.98805	AG	0.501	0.05	MG/L	0.5	0.05	10/26/89 UNDER CONTROL
00.98805	00.98805	AG	0.49	0.049	MG/L	0.5	0.05	10/26/89 UNDER CONTROL

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

SAMPLE COMPLETION

NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	DATE	COMMENT
89.16803	AG	1.8	0.18	MG/L	10/26/89	UNDER CONTROL
89.16803	AG	1.91	0.19	MG/L	10/26/89	UNDER CONTROL
89.16803	AS	82.6	8.3	UG/L	10/26/89	UNDER CONTROL
89.16803	PB	0.946	0.095	MG/L	10/26/89	WARNING 2-3 SIG
89.16803	PB	0.951	0.095	MG/L	10/26/89	WARNING 2-3 SIG
89.16803	SE	98.2	9.8	UG/L	10/26/89	UNDER CONTROL

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Analyst	Section Leader	QA Officer
11-8-89	11-8-89	11-13-89
Date	Date	Date

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: 4366

********** HSE-9 ANALYTICAL REPORT **********

DRAFT

Prepared by: J.D. MONTOYA on 16-Oct-1989

ANALYSIS: BA REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85FS-1	89.15879	0.23	0.02	MG/L	10/16/89	EPTOX
85FS-2	89.15880	0.24	0.02	MG/L	10/16/89	EPTOX
85FS-3	89.15881	0.39	0.04	MG/L	10/16/89	EPTOX
85FS-4	89.15882	0.18	0.02	MG/L	10/16/89	EPTOX
85FS-5	89.15883	0.33	0.03	MG/L	10/16/89	EPTOX
85FS-6	89.15884	0.31	0.03	MG/L	10/16/89	EPTOX
85FS-7	89.15885	0.24	0.02	MG/L	10/16/89	EPTOX
85FS-8	89.15886	0.1	0.02	MG/L	10/16/89	EPTOX
85FS-9	89.15887	0.38	0.04	MG/L	10/16/89	EPTOX
85FS-10	89.15888	0.36	0.04	MG/L	10/16/89	EPTOX
85FS-11	89.15889	0.24	0.02	MG/L	10/16/89	EPTOX
85FS-12	89.15890	0.27	0.03	MG/L	10/16/89	EPTOX
85FS-13	89.15891	0.31	0.03	MG/L	10/16/89	EPTOX
85FS-14	89.15892	0.25	0.03	MG/L	10/16/89	EPTOX
85FS-15	89.15893	0.52	0.05	MG/L	10/16/89	EPTOX
85FS-16	89.15894	0.36	0.04	MG/L	10/16/89	EPTOX
85FS-17	89.15895	0.46	0.05	MG/L	10/16/89	EPTOX
85FS-18	89.15896	0.33	0.03	MG/L	10/16/89	EPTOX
85FS-19	89.15897	0.47	0.05	MG/L	10/16/89	EPTOX
85FS-20	89.15898	0.57	0.06	MG/L	10/16/89	EPTOX
85FS-21	89.15899	0.44	0.04	MG/L	10/16/89	EPTOX
85FS-22	89.15900	0.25	0.03	MG/L	10/16/89	EPTOX
85FS-23	89.15901	0.19	0.02	MG/L	10/16/89	EPTOX
85FS-24	89.15902	0.23	0.02	MG/L	10/16/89	EPTOX

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REPORT NUMBER: 4366 (continued)

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********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 16-Oct-1989

ANALYSIS: BA REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.01100	00.01100	92.	9.2	MG/L	100.	10.2	10/13/89	UNDER CONTROL
00.01100	00.01100	92.	9.2	MG/L	100.	10.2	10/13/89	UNDER CONTROL
00.01100	00.01100	100.	10.	MG/L	100.	10.2	10/13/89	UNDER CONTROL

Analyst	Section Leader	QA Officer
10-16-89	10/18/89	10-18-89
Date	Date	Date

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: 4367

DRAFT

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 16-Oct-1989

ANALYSIS: CD REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85FS-1	89.15879	< 0.1		MG/L	10/16/89	EPTOX
85FS-2	89.15880	< 0.1		MG/L	10/16/89	EPTOX
85FS-3	89.15881	< 0.1		MG/L	10/16/89	EPTOX
85FS-4	89.15882	< 0.1		MG/L	10/16/89	EPTOX
85FS-5	89.15883	< 0.1		MG/L	10/16/89	EPTOX
85FS-6	89.15884	< 0.1		MG/L	10/16/89	EPTOX
85FS-7	89.15885	< 0.1		MG/L	10/16/89	EPTOX
85FS-8	89.15886	< 0.1		MG/L	10/16/89	EPTOX
85FS-9	89.15887	< 0.1		MG/L	10/16/89	EPTOX
5FS-10	89.15888	< 0.1		MG/L	10/16/89	EPTOX
85FS-11	89.15889	< 0.1		MG/L	10/16/89	EPTOX
85FS-12	89.15890	< 0.1		MG/L	10/16/89	EPTOX
85FS-13	89.15891	< 0.1		MG/L	10/16/89	EPTOX
85FS-14	89.15892	< 0.1		MG/L	10/16/89	EPTOX
85FS-15	89.15893	< 0.1		MG/L	10/16/89	EPTOX
85FS-16	89.15894	< 0.1		MG/L	10/16/89	EPTOX
85FS-17	89.15895	< 0.1		MG/L	10/16/89	EPTOX
85FS-18	89.15896	< 0.1		MG/L	10/16/89	EPTOX
85FS-19	89.15897	< 0.1		MG/L	10/16/89	EPTOX
85FS-20	89.15898	< 0.1		MG/L	10/16/89	EPTOX
85FS-21	89.15899	< 0.1		MG/L	10/16/89	EPTOX
85FS-22	89.15900	< 0.1		MG/L	10/16/89	EPTOX
85FS-23	89.15901	< 0.1		MG/L	10/16/89	EPTOX
85FS-24	89.15902	< 0.1		MG/L	10/16/89	EPTOX

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REPORT NUMBER: 4367 (continued)

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********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 16-Oct-1989

ANALYSIS: CD REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.01100	00.01100	0.84	0.1	MG/L	1.	0.03	10/13/89	UNDER CONTROL
00.01100	00.01100	0.98	0.1	MG/L	1.	0.03	10/13/89	UNDER CONTROL
00.01100	00.01100	0.95	0.1	MG/L	1.	0.03	10/13/89	UNDER CONTROL

JD Montoya	[illegible]	mag
Analyst	Section Leader	QA Officer
10-16-89	10/17/89	10-18-89
Date	Date	Date

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: 4368

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********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 16-Oct-1989

ANALYSIS: CR REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85FS-1	89.15879	< 0.2		MG/L	10/13/89	EPTOX
85FS-2	89.15880	< 0.2		MG/L	10/13/89	EPTOX
85FS-3	89.15881	< 0.2		MG/L	10/13/89	EPTOX
85FS-4	89.15882	< 0.2		MG/L	10/16/89	EPTOX
85FS-5	89.15883	< 0.2		MG/L	10/16/89	EPTOX
85FS-6	89.15884	< 0.2		MG/L	10/16/89	EPTOX
85FS-7	89.15885	< 0.2		MG/L	10/16/89	EPTOX
85FS-8	89.15886	< 0.2		MG/L	10/16/89	EPTOX
85FS-9	89.15887	< 0.2		MG/L	10/16/89	EPTOX
85FS-10	89.15888	< 0.2		MG/L	10/16/89	EPTOX
85FS-11	89.15889	< 0.2		MG/L	10/16/89	EPTOX
85FS-12	89.15890	< 0.2		MG/L	10/16/89	EPTOX
85FS-13	89.15891	< 0.2		MG/L	10/16/89	EPTOX
85FS-14	89.15892	< 0.2		MG/L	10/16/89	EPTOX
85FS-15	89.15893	< 0.2		MG/L	10/16/89	EPTOX
85FS-16	89.15894	< 0.2		MG/L	10/16/89	EPTOX
85FS-17	89.15895	< 0.2		MG/L	10/16/89	EPTOX
85FS-18	89.15896	< 0.2		MG/L	10/16/89	EPTOX
85FS-19	89.15897	< 0.2		MG/L	10/16/89	EPTOX
85FS-20	89.15898	< 0.2		MG/L	10/16/89	EPTOX
85FS-21	89.15899	< 0.2		MG/L	10/16/89	EPTOX
85FS-22	89.15900	< 0.2		MG/L	10/16/89	EPTOX
85FS-23	89.15901	< 0.2		MG/L	10/16/89	EPTOX
85FS-24	89.15902	< 0.2		MG/L	10/16/89	EPTOX

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REPORT NUMBER: 4368 (continued)

DRAFT

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 16-Oct-1989

ANALYSIS: CR REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.01100	00.01100	4.5	0.5	MG/L	5.	0.42	10/13/89	UNDER CONTROL
00.01100	00.01100	5.	0.5	MG/L	5.	0.42	10/13/89	UNDER CONTROL
00.01100	00.01100	4.9	0.5	MG/L	5.	0.42	10/13/89	UNDER CONTROL

Analyst	Section Leader	QA Officer
JD Montoya	[illegible]	mag
10-16-89	10/17/89	10-18-89
Date	Date	Date

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: 4519

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********** HSE-9 ANALYTICAL REPORT **********

Prepared by: M. C. WILLIAMS on 26-Oct-1989

ANALYSIS: HG REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Malti Bhatia

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE : 7480

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85FS-1	89.15879	< 0.2		UG/L	10/19/89	
85FS-1	89.15879	< 0.2		UG/L	10/13/89	
85FS-2	89.15880	< 0.2		UG/L	10/19/89	
85FS-2	89.15880	< 0.2		UG/L	10/13/89	
85FS-3	89.15881	< 0.2		UG/L	10/13/89	
85FS-3	89.15881	< 0.2		UG/L	10/19/89	
85FS-4	89.15882	< 0.2		UG/L	10/19/89	
85FS-4	89.15882	< 0.2		UG/L	10/13/89	
85FS-5	89.15883	< 0.2		UG/L	10/19/89	
85FS-5	89.15883	< 0.2		UG/L	10/13/89	
85FS-6	89.15884	< 0.2		UG/L	10/19/89	
85FS-6	89.15884	< 0.2		UG/L	10/13/89	
85FS-7	89.15885	< 0.2		UG/L	10/13/89	
85FS-7	89.15885	< 0.2		UG/L	10/19/89	
85FS-8	89.15886	< 0.2		UG/L	10/19/89	
85FS-8	89.15886	< 0.2		UG/L	10/13/89	
85FS-9	89.15887	< 0.2		UG/L	10/13/89	
85FS-9	89.15887	< 0.2		UG/L	10/19/89	
85FS-10	89.15888	< 0.2		UG/L	10/13/89	
85FS-10	89.15888	< 0.2		UG/L	10/19/89	
85FS-11	89.15889	< 0.2		UG/L	10/13/89	
85FS-11	89.15889	< 0.2		UG/L	10/19/89	
85FS-12	89.15890	< 0.2		UG/L	10/13/89	
85FS-12	89.15890	< 0.2		UG/L	10/19/89	
85FS-13	89.15891	< 0.2		UG/L	10/19/89	
85FS-13	89.15891	< 0.2		UG/L	10/13/89	
85FS-14	89.15892	< 0.2		UG/L	10/13/89	
85FS-14	89.15892	< 0.2		UG/L	10/25/89	
85FS-15	89.15893	< 0.2		UG/L	10/13/89	
85FS-15	89.15893	< 0.2		UG/L	10/19/89	
85FS-16	89.15894	< 0.2		UG/L	10/19/89	
85FS-16	89.15894	< 0.2		UG/L	10/13/89	
85FS-17	89.15895	< 0.2		UG/L	10/13/89	
85FS-17	89.15895	< 0.2		UG/L	10/25/89	
85FS-18	89.15896	< 0.2		UG/L	10/19/89	
85FS-18	89.15896	< 0.2		UG/L	10/13/89	
85FS-19	89.15897	< 0.2		UG/L	10/13/89	
85FS-19	89.15897	< 0.2		UG/L	10/19/89	
85FS-20	89.15898	< 0.2		UG/L	10/19/89	

85FS-20	89.15898	< 0.2		UG/L	10/13/89
85FS-21	89.15899	< 0.2		UG/L	10/13/89
85FS-21	89.15899	< 0.2		UG/L	10/13/89
85FS-21	89.15899	< 0.2		UG/L	10/25/89
85FS-22	89.15900	< 0.2		UG/L	10/19/89
5FS-22	89.15900	< 0.2		UG/L	10/13/89
85FS-23	89.15901	0.32	0.2	UG/L	10/13/89
85FS-23	89.15901	0.32	0.2	UG/L	10/19/89
85FS-24	89.15902	< 0.2		UG/L	10/13/89
85FS-24	89.15902	< 0.2		UG/L	10/19/89

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********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: M. C. WILLIAMS on 26-Oct-1989

ANALYSIS: HG REQUEST NUMBER: 7968 MATRIX: WE ANALYST: Malti Bhatia

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE : 7480

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.20086	00.20086	4.1	0.4	UG/L	4.	0.4	10/25/89	UNDER CONTROL
00.20086	00.20086	4.1	0.4	UG/L	4.	0.4	10/19/89	UNDER CONTROL
00.20087	00.20087	4.1	0.4	UG/L	4.	0.4	10/25/89	UNDER CONTROL
00.20087	00.20087	4.1	0.4	UG/L	4.	0.4	10/19/89	UNDER CONTROL

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

SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
89.15907	< 0.2		UG/L	10/25/89	OUT OF CONTROL — sample not preserved with dichromate mag
89.16804	2.8	0.3	UG/L	10/25/89	UNDER CONTROL

MAB
Analyst

MGB
Section Leader

mag
QA Officer

10/26/89
Date

10-26-89
Date

10-27-89
Date

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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ENCLOSURE 4-E

PHASE TWO CLEAN CLOSURE VERIFICATION SAMPLES: COREHOLE SAMPLES TO APPROXIMATELY 49 FEET

VOLATILE ORGANIC ANALYSES

January 16, 1990

TA-35 TSL-85 S.I.
Core hole samples for
Final verification.

Steve,

Attached you will find the **final** report for the soil samples you submitted for **VOA analysis** under the request **#7969.** Please note that Acetone was detected in several of these samples in this request group. Acetone is a common laboratory solvent that is widely used at TA-59. It is highly probable that the acetone detected in these samples is due to laboratory contamination and not present in the samples themselves. If you have any questions regarding these results, please do not hesitate to contact me at 7-5889 or stop by my office (TA-59, OH-1, Room 115).

Thank you for your continued support of our VOA analysis program.

Chuck Rzeszutko

Organic Section Leader

HSE-9

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-1	89.15955	1	67641	< 20.		UG/KG	12/18/89		Acetone
85-C-1-1	89.15955	1	71432	< 10.		UG/KG	12/18/89		Benzene
85-C-1-1	89.15955	1	108861	< 10.		UG/KG	12/18/89		Bromobenzene
85-C-1-1	89.15955	1	74975	< 10.		UG/KG	12/18/89		Bromochloromethane
85-C-1-1	89.15955	1	75274	< 10.		UG/KG	12/18/89		Bromodichloromethane
85-C-1-1	89.15955	1	75252	< 10.		UG/KG	12/18/89		Bromoform
85-C-1-1	89.15955	1	74839	< 20.		UG/KG	12/18/89		Bromomethane
85-C-1-1	89.15955	1	78933	< 20.		UG/KG	12/18/89		2-Butanone
85-C-1-1	89.15955	1	98066	< 10.		UG/KG	12/18/89		tert-Butylbenzene
85-C-1-1	89.15955	1	135988	< 10.		UG/KG	12/18/89		sec-Butylbenzene
85-C-1-1	89.15955	1	104518	< 10.		UG/KG	12/18/89		n-Butylbenzene
85-C-1-1	89.15955	1	75150	< 10.		UG/KG	12/18/89		Carbon disulfide
85-C-1-1	89.15955	1	56235	< 10.		UG/KG	12/18/89		Carbon tetrachloride
85-C-1-1	89.15955	1	108907	< 10.		UG/KG	12/18/89		Chlorobenzene
85-C-1-1	89.15955	1	124481	< 10.		UG/KG	12/18/89		Chlorodibromomethane
85-C-1-1	89.15955	1	75003	< 20.		UG/KG	12/18/89		Chloroethane
85-C-1-1	89.15955	1	67663	< 10.		UG/KG	12/18/89		Chloroform
85-C-1-1	89.15955	1	74873	< 20.		UG/KG	12/18/89		Chloromethane
85-C-1-1	89.15955	1	95498	< 10.		UG/KG	12/18/89		o-Chlorotoluene
85-C-1-1	89.15955	1	106434	< 10.		UG/KG	12/18/89		p-Chlorotoluene
85-C-1-1	89.15955	1	96128	< 10.		UG/KG	12/18/89		1,2-Dibromo-3-chloropropane
85-C-1-1	89.15955	1	106934	< 10.		UG/KG	12/18/89		1,2-Dibromoethane
85-C-1-1	89.15955	1	74953	< 10.		UG/KG	12/18/89		Dibromomethane
85-C-1-1	89.15955	1	95501	< 10.		UG/KG	12/18/89		o-Dichlorobenzene (1,2)
85-C-1-1	89.15955	1	541731	< 10.		UG/KG	12/18/89		m-Dichlorobenzene (1,3)

85-C-1-1	89.15955	1	106467	< 10.		UG/KG	12/18/89	p-Dichlorobenzene (1,4)
85-C-1-1	89.15955	1	107062	< 10.		UG/KG	12/18/89	1,2-Dichloroethane
85-C-1-1	89.15955	1	75343	< 10.		UG/KG	12/18/89	1,1-Dichloroethane
85-C-1-1	89.15955	1	75354	< 10.		UG/KG	12/18/89	1,1-Dichloroethene
85-C-1-1	89.15955	1	156605	< 10.		UG/KG	12/18/89	trans-1,2-Dichloroethene
85-C-1-1	89.15955	1	156592	< 10.		UG/KG	12/18/89	cis-1,2-Dichloroethylene
85-C-1-1	89.15955	1	78875	< 10.		UG/KG	12/18/89	1,2-Dichloropropane
85-C-1-1	89.15955	1	594207	< 10.		UG/KG	12/18/89	2,2-Dichloropropane
85-C-1-1	89.15955	1	142289	< 10.		UG/KG	12/18/89	1,3-Dichloropropane
85-C-1-1	89.15955	1	10061015	< 10.		UG/KG	12/18/89	cis-1,3-Dichloropropene
85-C-1-1	89.15955	1	563586	< 10.		UG/KG	12/18/89	1,1-Dichloropropene
85-C-1-1	89.15955	1	10061026	< 20.		UG/KG	12/18/89	trans-1,3-Dichloropropene
85-C-1-1	89.15955	1	100414	< 10.		UG/KG	12/18/89	Ethylbenzene
85-C-1-1	89.15955	1	107062	< 10.		UG/KG	12/18/89	Ethylene chloride
85-C-1-1	89.15955	1	87683	< 10.		UG/KG	12/18/89	Hexachlorobutadiene
85-C-1-1	89.15955	1	591786	< 20.		UG/KG	12/18/89	2-Hexanone
85-C-1-1	89.15955	1	98828	< 10.		UG/KG	12/18/89	Isopropylbenzene
85-C-1-1	89.15955	1	99876	25.2	7.6	UG/KG	12/18/89	4-Isopropyltoluene
85-C-1-1	89.15955	1	108101	< 20.		UG/KG	12/18/89	4-Methyl-2-pentanone
85-C-1-1	89.15955	1	75092	< 10.		UG/KG	12/18/89	Methylene chloride
85-C-1-1	89.15955	1	91203	< 10.		UG/KG	12/18/89	Naphthalene
85-C-1-1	89.15955	1	103651	< 10.		UG/KG	12/18/89	Propylbenzene
85-C-1-1	89.15955	1	100425	< 10.		UG/KG	12/18/89	Styrene
85-C-1-1	89.15955	1	630206	< 10.		UG/KG	12/18/89	1,1,1,2-Tetrachloroethane
85-C-1-1	89.15955	1	79345	< 10.		UG/KG	12/18/89	1,1,2,2-Tetrachloroethane
85-C-1-1	89.15955	1	127184	< 10.		UG/KG	12/18/89	Tetrachloroethylene
85-C-1-1	89.15955	1	108883	< 10.		UG/KG	12/18/89	Toluene
85-C-1-1	89.15955	1	120821	< 10.		UG/KG	12/18/89	1,2,4-Trichlorobenzene
85-C-1-1	89.15955	1	87616	< 10.		UG/KG	12/18/89	1,2,3-Trichlorobenzene
85-C-1-1	89.15955	1	79005	< 10.		UG/KG	12/18/89	1,1,2-Trichloroethane
85-C-1-1	89.15955	1	71556	< 10.		UG/KG	12/18/89	1,1,1-Trichloroethane
85-C-1-1	89.15955	1	79016	< 10.		UG/KG	12/18/89	Trichloroethene
85-C-1-1	89.15955	1	75694	< 10.		UG/KG	12/18/89	Trichlorofluoromethane
85-C-1-1	89.15955	1	96184	< 10.		UG/KG	12/18/89	1,2,3-Trichloropropane
85-C-1-1	89.15955	1	95636	< 10.		UG/KG	12/18/89	1,2,4-Trimethylbenzene
85-C-1-1	89.15955	1	108678	< 10.		UG/KG	12/18/89	1,3,5-Trimethylbenzene
85-C-1-1	89.15955	1	108054	< 10.		UG/KG	12/18/89	Vinyl acetate
85-C-1-1	89.15955	1	75014	< 20.		UG/KG	12/18/89	Vinyl chloride
85-C-1-1	89.15955	1	95476	< 10.		UG/KG	12/18/89	o-Xylene
85-C-1-1	89.15955	1	1330207	< 10.		UG/KG	12/18/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-2	89.15956	1	67641	< 20.		UG/KG	12/18/89		Acetone
85-C-1-2	89.15956	1	71432	< 10.		UG/KG	12/18/89		Benzene
85-C-1-2	89.15956	1	108861	< 10.		UG/KG	12/18/89		Bromobenzene
85-C-1-2	89.15956	1	74975	< 10.		UG/KG	12/18/89		Bromochloromethane
85-C-1-2	89.15956	1	75274	< 10.		UG/KG	12/18/89		Bromodichloromethane
85-C-1-2	89.15956	1	75252	< 10.		UG/KG	12/18/89		Bromoform
85-C-1-2	89.15956	1	74839	< 20.		UG/KG	12/18/89		Bromomethane
85-C-1-2	89.15956	1	78933	< 20.		UG/KG	12/18/89		2-Butanone
85-C-1-2	89.15956	1	104518	< 10.		UG/KG	12/18/89		n-Butylbenzene
85-C-1-2	89.15956	1	135988	< 10.		UG/KG	12/18/89		sec-Butylbenzene
85-C-1-2	89.15956	1	98066	< 10.		UG/KG	12/18/89		tert-Butylbenzene
85-C-1-2	89.15956	1	75150	< 10.		UG/KG	12/18/89		Carbon disulfide
85-C-1-2	89.15956	1	56235	< 10.		UG/KG	12/18/89		Carbon tetrachloride
85-C-1-2	89.15956	1	108907	< 10.		UG/KG	12/18/89		Chlorobenzene
85-C-1-2	89.15956	1	124481	< 10.		UG/KG	12/18/89		Chlorodibromomethane
85-C-1-2	89.15956	1	75003	< 20.		UG/KG	12/18/89		Chloroethane
85-C-1-2	89.15956	1	67663	< 10.		UG/KG	12/18/89		Chloroform
85-C-1-2	89.15956	1	74873	< 20.		UG/KG	12/18/89		Chloromethane
85-C-1-2	89.15956	1	95498	< 10.		UG/KG	12/18/89		o-Chlorotoluene
85-C-1-2	89.15956	1	106434	< 10.		UG/KG	12/18/89		p-Chlorotoluene
85-C-1-2	89.15956	1	96128	< 10.		UG/KG	12/18/89		1,2-Dibromo-3-chloropropane
85-C-1-2	89.15956	1	106934	< 10.		UG/KG	12/18/89		1,2-Dibromoethane
85-C-1-2	89.15956	1	74953	< 10.		UG/KG	12/18/89		Dibromomethane
85-C-1-2	89.15956	1	95501	< 10.		UG/KG	12/18/89		o-Dichlorobenzene (1,2)
85-C-1-2	89.15956	1	541731	< 10.		UG/KG	12/18/89		m-Dichlorobenzene (1,3)

85-C-1-2	89.15956	1	106467	< 10.	UG/KG	12/18/89	p-Dichlorobenzene (1,4)
85-C-1-2	89.15956	1	75343	< 10.	UG/KG	12/18/89	1,1-Dichloroethane
85-C-1-2	89.15956	1	107062	< 10.	UG/KG	12/18/89	1,2-Dichloroethane
85-C-1-2	89.15956	1	156605	< 10.	UG/KG	12/18/89	trans-1,2-Dichloroethene
85-C-1-2	89.15956	1	75354	< 10.	UG/KG	12/18/89	1,1-Dichloroethene
85-C-1-2	89.15956	1	156592	< 10.	UG/KG	12/18/89	cis-1,2-Dichloroethylene
85-C-1-2	89.15956	1	78875	< 10.	UG/KG	12/18/89	1,2-Dichloropropane
85-C-1-2	89.15956	1	142289	< 10.	UG/KG	12/18/89	1,3-Dichloropropane
85-C-1-2	89.15956	1	594207	< 10.	UG/KG	12/18/89	2,2-Dichloropropane
85-C-1-2	89.15956	1	10061026	< 20.	UG/KG	12/18/89	trans-1,3-Dichloropropene
85-C-1-2	89.15956	1	10061015	< 10.	UG/KG	12/18/89	cis-1,3-Dichloropropene
85-C-1-2	89.15956	1	563586	< 10.	UG/KG	12/18/89	1,1-Dichloropropene
85-C-1-2	89.15956	1	100414	< 10.	UG/KG	12/18/89	Ethylbenzene
85-C-1-2	89.15956	1	107062	< 10.	UG/KG	12/18/89	Ethylene chloride
85-C-1-2	89.15956	1	87683	< 10.	UG/KG	12/18/89	Hexachlorobutadiene
85-C-1-2	89.15956	1	591786	< 20.	UG/KG	12/18/89	2-Hexanone
85-C-1-2	89.15956	1	98828	< 10.	UG/KG	12/18/89	Isopropylbenzene
85-C-1-2	89.15956	1	99876	< 10.	UG/KG	12/18/89	4-Isopropyltoluene
85-C-1-2	89.15956	1	108101	< 20.	UG/KG	12/18/89	4-Methyl-2-pentanone
85-C-1-2	89.15956	1	75092	< 10.	UG/KG	12/18/89	Methylene chloride
85-C-1-2	89.15956	1	91203	< 10.	UG/KG	12/18/89	Naphthalene
85-C-1-2	89.15956	1	103651	< 10.	UG/KG	12/18/89	Propylbenzene
85-C-1-2	89.15956	1	100425	< 10.	UG/KG	12/18/89	Styrene
85-C-1-2	89.15956	1	630206	< 10.	UG/KG	12/18/89	1,1,1,2-Tetrachloroethane
85-C-1-2	89.15956	1	79345	< 10.	UG/KG	12/18/89	1,1,2,2-Tetrachloroethane
85-C-1-2	89.15956	1	127184	< 10.	UG/KG	12/18/89	Tetrachloroethylene
85-C-1-2	89.15956	1	108883	< 10.	UG/KG	12/18/89	Toluene
85-C-1-2	89.15956	1	120821	< 10.	UG/KG	12/18/89	1,2,4-Trichlorobenzene
85-C-1-2	89.15956	1	87616	< 10.	UG/KG	12/18/89	1,2,3-Trichlorobenzene
85-C-1-2	89.15956	1	79005	< 10.	UG/KG	12/18/89	1,1,2-Trichloroethane
85-C-1-2	89.15956	1	71556	< 10.	UG/KG	12/18/89	1,1,1-Trichloroethane
85-C-1-2	89.15956	1	79016	< 10.	UG/KG	12/18/89	Trichloroethene
85-C-1-2	89.15956	1	75694	< 10.	UG/KG	12/18/89	Trichlorofluoromethane
85-C-1-2	89.15956	1	96184	< 10.	UG/KG	12/18/89	1,2,3-Trichloropropane
85-C-1-2	89.15956	1	108678	< 10.	UG/KG	12/18/89	1,3,5-Trimethylbenzene
85-C-1-2	89.15956	1	95636	< 10.	UG/KG	12/18/89	1,2,4-Trimethylbenzene
85-C-1-2	89.15956	1	108054	< 10.	UG/KG	12/18/89	Vinyl acetate
85-C-1-2	89.15956	1	75014	< 20.	UG/KG	12/18/89	Vinyl chloride
85-C-1-2	89.15956	1	95476	< 10.	UG/KG	12/18/89	o-Xylene
85-C-1-2	89.15956	1	1330207	< 10.	UG/KG	12/18/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-3	89.15957	1	67641	< 20.		UG/KG	12/18/89		Acetone
85-C-1-3	89.15957	1	71432	< 10.		UG/KG	12/18/89		Benzene
85-C-1-3	89.15957	1	108861	< 10.		UG/KG	12/18/89		Bromobenzene
85-C-1-3	89.15957	1	74975	< 10.		UG/KG	12/18/89		Bromochloromethane
85-C-1-3	89.15957	1	75274	< 10.		UG/KG	12/18/89		Bromodichloromethane
85-C-1-3	89.15957	1	75252	< 10.		UG/KG	12/18/89		Bromoform
85-C-1-3	89.15957	1	74839	< 20.		UG/KG	12/18/89		Bromomethane
85-C-1-3	89.15957	1	78933	< 20.		UG/KG	12/18/89		2-Butanone
85-C-1-3	89.15957	1	98066	< 10.		UG/KG	12/18/89		tert-Butylbenzene
85-C-1-3	89.15957	1	104518	< 10.		UG/KG	12/18/89		n-Butylbenzene
85-C-1-3	89.15957	1	135988	< 10.		UG/KG	12/18/89		sec-Butylbenzene
85-C-1-3	89.15957	1	75150	< 10.		UG/KG	12/18/89		Carbon disulfide
85-C-1-3	89.15957	1	56235	< 10.		UG/KG	12/18/89		Carbon tetrachloride
85-C-1-3	89.15957	1	108907	< 10.		UG/KG	12/18/89		Chlorobenzene
85-C-1-3	89.15957	1	124481	< 10.		UG/KG	12/18/89		Chlorodibromomethane
85-C-1-3	89.15957	1	75003	< 20.		UG/KG	12/18/89		Chloroethane
85-C-1-3	89.15957	1	67663	< 10.		UG/KG	12/18/89		Chloroform
85-C-1-3	89.15957	1	74873	< 20.		UG/KG	12/18/89		Chloromethane
85-C-1-3	89.15957	1	95498	< 10.		UG/KG	12/18/89		o-Chlorotoluene
85-C-1-3	89.15957	1	106434	< 10.		UG/KG	12/18/89		p-Chlorotoluene
85-C-1-3	89.15957	1	96128	< 10.		UG/KG	12/18/89		1,2-Dibromo-3-chloropropane
85-C-1-3	89.15957	1	106934	< 10.		UG/KG	12/18/89		1,2-Dibromoethane
85-C-1-3	89.15957	1	74953	< 10.		UG/KG	12/18/89		Dibromomethane
85-C-1-3	89.15957	1	95501	< 10.		UG/KG	12/18/89		o-Dichlorobenzene (1,2)
85-C-1-3	89.15957	1	541731	< 10.		UG/KG	12/18/89		m-Dichlorobenzene (1,3)

85-C-1-3	89.15957	1	106467	< 10.	UG/KG	12/18/89	p-Dichlorobenzene (1,4)	
85-C-1-3	89.15957	1	75343	< 10.	UG/KG	12/18/89	1,1-Dichloroethane	
85-C-1-3	89.15957	1	107062	< 10.	UG/KG	12/18/89	1,2-Dichloroethane	
85-C-1-3	89.15957	1	156605	< 10.	UG/KG	12/18/89	trans-1,2-Dichloroethene	
85-C-1-3	89.15957	1	75354	< 10.	UG/KG	12/18/89	1,1-Dichloroethene	
85-C-1-3	89.15957	1	156592	< 10.	UG/KG	12/18/89	cis-1,2-Dichloroethylene	
85-C-1-3	89.15957	1	78875	< 10.	UG/KG	12/18/89	1,2-Dichloropropane	
85-C-1-3	89.15957	1	594207	< 10.	UG/KG	12/18/89	2,2-Dichloropropane	
85-C-1-3	89.15957	1	142289	< 10.	UG/KG	12/18/89	1,3-Dichloropropane	
85-C-1-3	89.15957	1	563586	< 10.	UG/KG	12/18/89	1,1-Dichloropropene	
85-C-1-3	89.15957	1	10061015	< 10.	UG/KG	12/18/89	cis-1,3-Dichloropropene	
85-C-1-3	89.15957	1	10061026	< 20.	UG/KG	12/18/89	trans-1,3-Dichloropropene	
85-C-1-3	89.15957	1	100414	< 10.	UG/KG	12/18/89	Ethylbenzene	
85-C-1-3	89.15957	1	107062	< 10.	UG/KG	12/18/89	Ethylene chloride	o
85-C-1-3	89.15957	1	87683	< 10.	UG/KG	12/18/89	Hexachlorobutadiene	
85-C-1-3	89.15957	1	591786	< 20.	UG/KG	12/18/89	2-Hexanone	
85-C-1-3	89.15957	1	98828	< 10.	UG/KG	12/18/89	Isopropylbenzene	
85-C-1-3	89.15957	1	99876	< 10.	UG/KG	12/18/89	4-Isopropyltoluene	
85-C-1-3	89.15957	1	108101	< 20.	UG/KG	12/18/89	4-Methyl-2-pentanone	
85-C-1-3	89.15957	1	75092	< 10.	UG/KG	12/18/89	Methylene chloride	
85-C-1-3	89.15957	1	91203	< 10.	UG/KG	12/18/89	Naphthalene	
85-C-1-3	89.15957	1	103651	< 10.	UG/KG	12/18/89	Propylbenzene	
85-C-1-3	89.15957	1	100425	< 10.	UG/KG	12/18/89	Styrene	
85-C-1-3	89.15957	1	79345	< 10.	UG/KG	12/18/89	1,1,2,2-Tetrachloroethane	
85-C-1-3	89.15957	1	630206	< 10.	UG/KG	12/18/89	1,1,1,2-Tetrachloroethane	
85-C-1-3	89.15957	1	127184	< 10.	UG/KG	12/18/89	Tetrachloroethylene	
85-C-1-3	89.15957	1	108883	< 10.	UG/KG	12/18/89	Toluene	
85-C-1-3	89.15957	1	120821	< 10.	UG/KG	12/18/89	1,2,4-Trichlorobenzene	
85-C-1-3	89.15957	1	87616	< 10.	UG/KG	12/18/89	1,2,3-Trichlorobenzene	
85-C-1-3	89.15957	1	71556	< 10.	UG/KG	12/18/89	1,1,1-Trichloroethane	
85-C-1-3	89.15957	1	79005	< 10.	UG/KG	12/18/89	1,1,2-Trichloroethane	
85-C-1-3	89.15957	1	79016	< 10.	UG/KG	12/18/89	Trichloroethene	
85-C-1-3	89.15957	1	75694	< 10.	UG/KG	12/18/89	Trichlorofluoromethane	
85-C-1-3	89.15957	1	96184	< 10.	UG/KG	12/18/89	1,2,3-Trichloropropane	
85-C-1-3	89.15957	1	108678	< 10.	UG/KG	12/18/89	1,3,5-Trimethylbenzene	
85-C-1-3	89.15957	1	95636	< 10.	UG/KG	12/18/89	1,2,4-Trimethylbenzene	
85-C-1-3	89.15957	1	108054	< 10.	UG/KG	12/18/89	Vinyl acetate	
85-C-1-3	89.15957	1	75014	< 20.	UG/KG	12/18/89	Vinyl chloride	
85-C-1-3	89.15957	1	95476	< 10.	UG/KG	12/18/89	o-Xylene	
85-C-1-3	89.15957	1	1330207	< 10.	UG/KG	12/18/89	Mixed-Xylenes (m ± p)	

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-4	89.15958	1	67641	113.	33.9	UG/KG	12/18/89		Acetone
85-C-1-4	89.15958	1	71432	17.8	5.3	UG/KG	12/18/89		Benzene
85-C-1-4	89.15958	1	108861	< 10.		UG/KG	12/18/89		Bromobenzene
85-C-1-4	89.15958	1	74975	< 10.		UG/KG	12/18/89		Bromochloromethane
85-C-1-4	89.15958	1	75274	< 10.		UG/KG	12/18/89		Bromodichloromethane
85-C-1-4	89.15958	1	75252	< 10.		UG/KG	12/18/89		Bromoform
85-C-1-4	89.15958	1	74839	< 20.		UG/KG	12/18/89		Bromomethane
85-C-1-4	89.15958	1	78933	< 20.		UG/KG	12/18/89		2-Butanone
85-C-1-4	89.15958	1	98066	< 10.		UG/KG	12/18/89		tert-Butylbenzene
85-C-1-4	89.15958	1	135988	< 10.		UG/KG	12/18/89		sec-Butylbenzene
85-C-1-4	89.15958	1	104518	< 10.		UG/KG	12/18/89		n-Butylbenzene
85-C-1-4	89.15958	1	75150	< 10.		UG/KG	12/18/89		Carbon disulfide
85-C-1-4	89.15958	1	56235	< 10.		UG/KG	12/18/89		Carbon tetrachloride
85-C-1-4	89.15958	1	108907	< 10.		UG/KG	12/18/89		Chlorobenzene
85-C-1-4	89.15958	1	124481	< 10.		UG/KG	12/18/89		Chlorodibromomethane
85-C-1-4	89.15958	1	75003	< 20.		UG/KG	12/18/89		Chloroethane
85-C-1-4	89.15958	1	67663	< 10.		UG/KG	12/18/89		Chloroform
85-C-1-4	89.15958	1	74873	< 20.		UG/KG	12/18/89		Chloromethane
85-C-1-4	89.15958	1	95498	< 10.		UG/KG	12/18/89		o-Chlorotoluene
85-C-1-4	89.15958	1	106434	< 10.		UG/KG	12/18/89		p-Chlorotoluene
85-C-1-4	89.15958	1	96128	< 10.		UG/KG	12/18/89		1,2-Dibromo-3-chloropropane
85-C-1-4	89.15958	1	106934	< 10.		UG/KG	12/18/89		1,2-Dibromoethane
85-C-1-4	89.15958	1	74953	< 10.		UG/KG	12/18/89		Dibromomethane
85-C-1-4	89.15958	1	95501	< 10.		UG/KG	12/18/89		o-Dichlorobenzene (1,2)
85-C-1-4	89.15958	1	541731	< 10.		UG/KG	12/18/89		m-Dichlorobenzene (1,3)

85-C-1-4	89.15958	1	106467	< 10.	UG/KG	_/18/89	p-Dichlorobenzene (1,4)
85-C-1-4	89.15958	1	107062	< 10.	UG/KG	12/18/89	1,2-Dichloroethane
85-C-1-4	89.15958	1	75343	< 10.	UG/KG	12/18/89	1,1-Dichloroethane
85-C-1-4	89.15958	1	75354	< 10.	UG/KG	12/18/89	1,1-Dichloroethene
85-C-1-4	89.15958	1	156605	< 10.	UG/KG	12/18/89	trans-1,2-Dichloroethene
85-C-1-4	89.15958	1	156592	< 10.	UG/KG	12/18/89	cis-1,2-Dichloroethylene
85-C-1-4	89.15958	1	78875	< 10.	UG/KG	12/18/89	1,2-Dichloropropane
85-C-1-4	89.15958	1	594207	< 10.	UG/KG	12/18/89	2,2-Dichloropropane
85-C-1-4	89.15958	1	142289	< 10.	UG/KG	12/18/89	1,3-Dichloropropane
85-C-1-4	89.15958	1	563586	< 10.	UG/KG	12/18/89	1,1-Dichloropropene
85-C-1-4	89.15958	1	10061026	< 20.	UG/KG	12/18/89	trans-1,3-Dichloropropene
85-C-1-4	89.15958	1	10061015	< 10.	UG/KG	12/18/89	cis-1,3-Dichloropropene
85-C-1-4	89.15958	1	100414	< 10.	UG/KG	12/18/89	Ethylbenzene
85-C-1-4	89.15958	1	107062	< 10.	UG/KG	12/18/89	Ethylene chloride
85-C-1-4	89.15958	1	87683	< 10.	UG/KG	12/18/89	Hexachlorobutadiene
85-C-1-4	89.15958	1	591786	< 20.	UG/KG	12/18/89	2-Hexanone
85-C-1-4	89.15958	1	98828	< 10.	UG/KG	12/18/89	Isopropylbenzene
85-C-1-4	89.15958	1	99876	< 10.	UG/KG	12/18/89	4-Isopropyltoluene
85-C-1-4	89.15958	1	108101	< 20.	UG/KG	12/18/89	4-Methyl-2-pentanone
85-C-1-4	89.15958	1	75092	< 10.	UG/KG	12/18/89	Methylene chloride
85-C-1-4	89.15958	1	91203	< 10.	UG/KG	12/18/89	Naphthalene
85-C-1-4	89.15958	1	103651	< 10.	UG/KG	12/18/89	Propylbenzene
85-C-1-4	89.15958	1	100425	< 10.	UG/KG	12/18/89	Styrene
85-C-1-4	89.15958	1	630206	< 10.	UG/KG	12/18/89	1,1,1,2-Tetrachloroethane
85-C-1-4	89.15958	1	79345	< 10.	UG/KG	12/18/89	1,1,2,2-Tetrachloroethane
85-C-1-4	89.15958	1	127184	< 10.	UG/KG	12/18/89	Tetrachloroethylene
85-C-1-4	89.15958	1	108883	< 10.	UG/KG	12/18/89	Toluene
85-C-1-4	89.15958	1	120821	< 10.	UG/KG	12/18/89	1,2,4-Trichlorobenzene
85-C-1-4	89.15958	1	87616	< 10.	UG/KG	12/18/89	1,2,3-Trichlorobenzene
85-C-1-4	89.15958	1	71556	< 10.	UG/KG	12/18/89	1,1,1-Trichloroethane
85-C-1-4	89.15958	1	79005	< 10.	UG/KG	12/18/89	1,1,2-Trichloroethane
85-C-1-4	89.15958	1	79016	< 10.	UG/KG	12/18/89	Trichloroethene
85-C-1-4	89.15958	1	75694	< 10.	UG/KG	12/18/89	Trichlorofluoromethane
85-C-1-4	89.15958	1	96184	< 10.	UG/KG	12/18/89	1,2,3-Trichloropropane
85-C-1-4	89.15958	1	95636	< 10.	UG/KG	12/18/89	1,2,4-Trimethylbenzene
85-C-1-4	89.15958	1	108678	< 10.	UG/KG	12/18/89	1,3,5-Trimethylbenzene
85-C-1-4	89.15958	1	108054	< 10.	UG/KG	12/18/89	Vinyl acetate
85-C-1-4	89.15958	1	75014	< 20.	UG/KG	12/18/89	Vinyl chloride
85-C-1-4	89.15958	1	95476	< 10.	UG/KG	12/18/89	o-Xylene
85-C-1-4	89.15958	1	1330207	< 10.	UG/KG	12/18/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-5	89.15959	1	67641	65.1	19.5	UG/KG	12/18/89		Acetone
85-C-1-5	89.15959	1	71432	< 10.		UG/KG	12/18/89		Benzene
85-C-1-5	89.15959	1	108861	< 10.		UG/KG	12/18/89		Bromobenzene
85-C-1-5	89.15959	1	74975	< 10.		UG/KG	12/18/89		Bromochloromethane
85-C-1-5	89.15959	1	75274	< 10.		UG/KG	12/18/89		Bromodichloromethane
85-C-1-5	89.15959	1	75252	< 10.		UG/KG	12/18/89		Bromoform
85-C-1-5	89.15959	1	74839	< 20.		UG/KG	12/18/89		Bromomethane
85-C-1-5	89.15959	1	78933	< 20.		UG/KG	12/18/89		2-Butanone
85-C-1-5	89.15959	1	104518	< 10.		UG/KG	12/18/89		n-Butylbenzene
85-C-1-5	89.15959	1	135988	< 10.		UG/KG	12/18/89		sec-Butylbenzene
85-C-1-5	89.15959	1	98066	< 10.		UG/KG	12/18/89		tert-Butylbenzene
85-C-1-5	89.15959	1	75150	< 10.		UG/KG	12/18/89		Carbon disulfide
85-C-1-5	89.15959	1	56235	< 10.		UG/KG	12/18/89		Carbon tetrachloride
85-C-1-5	89.15959	1	108907	< 10.		UG/KG	12/18/89		Chlorobenzene
85-C-1-5	89.15959	1	124481	< 10.		UG/KG	12/18/89		Chlorodibromomethane
85-C-1-5	89.15959	1	75003	< 20.		UG/KG	12/18/89		Chloroethane
85-C-1-5	89.15959	1	67663	< 10.		UG/KG	12/18/89		Chloroform
85-C-1-5	89.15959	1	74873	< 20.		UG/KG	12/18/89		Chloromethane
85-C-1-5	89.15959	1	95498	< 10.		UG/KG	12/18/89		o-Chlorotoluene
85-C-1-5	89.15959	1	106434	< 10.		UG/KG	12/18/89		p-Chlorotoluene
85-C-1-5	89.15959	1	96128	< 10.		UG/KG	12/18/89		1,2-Dibromo-3-chloropropane
85-C-1-5	89.15959	1	106934	< 10.		UG/KG	12/18/89		1,2-Dibromoethane
85-C-1-5	89.15959	1	74953	< 10.		UG/KG	12/18/89		Dibromomethane
85-C-1-5	89.15959	1	95501	< 10.		UG/KG	12/18/89		o-Dichlorobenzene (1,2)
85-C-1-5	89.15959	1	541731	< 10.		UG/KG	12/18/89		m-Dichlorobenzene (1,3)

85-C-1-5	89.15959	1	106467	< 10.	UG/KG	12/18/89	p-Dichlorobenzene (1,4)
85-C-1-5	89.15959	1	75343	< 10.	UG/KG	12/18/89	1,1-Dichloroethane
85-C-1-5	89.15959	1	107062	< 10.	UG/KG	12/18/89	1,2-Dichloroethane
85-C-1-5	89.15959	1	156605	< 10.	UG/KG	12/18/89	trans-1,2-Dichloroethene
85-C-1-5	89.15959	1	75354	< 10.	UG/KG	12/18/89	1,1-Dichloroethene
85-C-1-5	89.15959	1	156592	< 10.	UG/KG	12/18/89	cis-1,2-Dichloroethylene
85-C-1-5	89.15959	1	142289	< 10.	UG/KG	12/18/89	1,3-Dichloropropane
85-C-1-5	89.15959	1	78875	< 10.	UG/KG	12/18/89	1,2-Dichloropropane
85-C-1-5	89.15959	1	594207	< 10.	UG/KG	12/18/89	2,2-Dichloropropane
85-C-1-5	89.15959	1	10061015	< 10.	UG/KG	12/18/89	cis-1,3-Dichloropropene
85-C-1-5	89.15959	1	563586	< 10.	UG/KG	12/18/89	1,1-Dichloropropene
85-C-1-5	89.15959	1	10061026	< 20.	UG/KG	12/18/89	trans-1,3-Dichloropropene
85-C-1-5	89.15959	1	100414	< 10.	UG/KG	12/18/89	Ethylbenzene
85-C-1-5	89.15959	1	107062	< 10.	UG/KG	12/18/89	Ethylene chloride
85-C-1-5	89.15959	1	87683	< 10.	UG/KG	12/18/89	Hexachlorobutadiene
85-C-1-5	89.15959	1	591786	< 20.	UG/KG	12/18/89	2-Hexanone
85-C-1-5	89.15959	1	98828	< 10.	UG/KG	12/18/89	Isopropylbenzene
85-C-1-5	89.15959	1	99876	< 10.	UG/KG	12/18/89	4-Isopropyltoluene
85-C-1-5	89.15959	1	108101	< 20.	UG/KG	12/18/89	4-Methyl-2-pentanone
85-C-1-5	89.15959	1	75092	< 10.	UG/KG	12/18/89	Methylene chloride
85-C-1-5	89.15959	1	91203	< 10.	UG/KG	12/18/89	Naphthalene
85-C-1-5	89.15959	1	103651	< 10.	UG/KG	12/18/89	Propylbenzene
85-C-1-5	89.15959	1	100425	< 10.	UG/KG	12/18/89	Styrene
85-C-1-5	89.15959	1	630206	< 10.	UG/KG	12/18/89	1,1,1,2-Tetrachloroethane
85-C-1-5	89.15959	1	79345	< 10.	UG/KG	12/18/89	1,1,2,2-Tetrachloroethane
85-C-1-5	89.15959	1	127184	< 10.	UG/KG	12/18/89	Tetrachloroethylene
85-C-1-5	89.15959	1	108883	< 10.	UG/KG	12/18/89	Toluene
85-C-1-5	89.15959	1	87616	< 10.	UG/KG	12/18/89	1,2,3-Trichlorobenzene
85-C-1-5	89.15959	1	120821	< 10.	UG/KG	12/18/89	1,2,4-Trichlorobenzene
85-C-1-5	89.15959	1	71556	< 10.	UG/KG	12/18/89	1,1,1-Trichloroethane
85-C-1-5	89.15959	1	79005	< 10.	UG/KG	12/18/89	1,1,2-Trichloroethane
85-C-1-5	89.15959	1	79016	< 10.	UG/KG	12/18/89	Trichloroethene
85-C-1-5	89.15959	1	75694	< 10.	UG/KG	12/18/89	Trichlorofluoromethane
85-C-1-5	89.15959	1	96184	< 10.	UG/KG	12/18/89	1,2,3-Trichloropropane
85-C-1-5	89.15959	1	95636	< 10.	UG/KG	12/18/89	1,2,4-Trimethylbenzene
85-C-1-5	89.15959	1	108678	< 10.	UG/KG	12/18/89	1,3,5-Trimethylbenzene
85-C-1-5	89.15959	1	108054	< 10.	UG/KG	12/18/89	Vinyl acetate
85-C-1-5	89.15959	1	75014	< 20.	UG/KG	12/18/89	Vinyl chloride
85-C-1-5	89.15959	1	95476	< 10.	UG/KG	12/18/89	o-Xylene
85-C-1-5	89.15959	1	1330207	< 10.	UG/KG	12/18/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-6	89.15960	1	67641	70.2	21.1	UG/KG	12/18/89		Acetone
85-C-1-6	89.15960	1	71432	14.9	4.5	UG/KG	12/18/89		Benzene
85-C-1-6	89.15960	1	108861	< 10.		UG/KG	12/18/89		Bromobenzene
85-C-1-6	89.15960	1	74975	< 10.		UG/KG	12/18/89		Bromochloromethane
85-C-1-6	89.15960	1	75274	< 10.		UG/KG	12/18/89		Bromodichloromethane
85-C-1-6	89.15960	1	75252	< 10.		UG/KG	12/18/89		Bromoform
85-C-1-6	89.15960	1	74839	< 20.		UG/KG	12/18/89		Bromomethane
85-C-1-6	89.15960	1	78933	< 20.		UG/KG	12/18/89		2-Butanone
85-C-1-6	89.15960	1	135988	< 10.		UG/KG	12/18/89		sec-Butylbenzene
85-C-1-6	89.15960	1	98066	< 10.		UG/KG	12/18/89		tert-Butylbenzene
85-C-1-6	89.15960	1	104518	< 10.		UG/KG	12/18/89		n-Butylbenzene
85-C-1-6	89.15960	1	75150	< 10.		UG/KG	12/18/89		Carbon disulfide
85-C-1-6	89.15960	1	56235	< 10.		UG/KG	12/18/89		Carbon tetrachloride
85-C-1-6	89.15960	1	108907	< 10.		UG/KG	12/18/89		Chlorobenzene
85-C-1-6	89.15960	1	124481	< 10.		UG/KG	12/18/89		Chlorodibromomethane
85-C-1-6	89.15960	1	75003	< 20.		UG/KG	12/18/89		Chloroethane
85-C-1-6	89.15960	1	67663	< 10.		UG/KG	12/18/89		Chloroform
85-C-1-6	89.15960	1	74873	< 20.		UG/KG	12/18/89		Chloromethane
85-C-1-6	89.15960	1	95498	< 10.		UG/KG	12/18/89		o-Chlorotoluene
85-C-1-6	89.15960	1	106434	< 10.		UG/KG	12/18/89		p-Chlorotoluene
85-C-1-6	89.15960	1	96128	< 10.		UG/KG	12/18/89		1,2-Dibromo-3-chloropropane
85-C-1-6	89.15960	1	106934	< 10.		UG/KG	12/18/89		1,2-Dibromoethane
85-C-1-6	89.15960	1	74953	< 10.		UG/KG	12/18/89		Dibromomethane
85-C-1-6	89.15960	1	95501	< 10.		UG/KG	12/18/89		o-Dichlorobenzene (1,2)
85-C-1-6	89.15960	1	541731	< 10.		UG/KG	12/18/89		m-Dichlorobenzene (1,3)

85-C-1-6	89.15960	1	106467	< 10.	UG/KG	12/18/89	p-Dichlorobenzene (1,4)
85-C-1-6	89.15960	1	107062	< 10.	UG/KG	12/18/89	1,2-Dichloroethane
85-C-1-6	89.15960	1	75343	< 10.	UG/KG	12/18/89	1,1-Dichloroethane
85-C-1-6	89.15960	1	156605	< 10.	UG/KG	12/18/89	trans-1,2-Dichloroethene
85-C-1-6	89.15960	1	75354	< 10.	UG/KG	12/18/89	1,1-Dichloroethene
85-C-1-6	89.15960	1	156592	< 10.	UG/KG	12/18/89	cis-1,2-Dichloroethylene
85-C-1-6	89.15960	1	594207	< 10.	UG/KG	12/18/89	2,2-Dichloropropane
85-C-1-6	89.15960	1	78875	< 10.	UG/KG	12/18/89	1,2-Dichloropropane
85-C-1-6	89.15960	1	142289	< 10.	UG/KG	12/18/89	1,3-Dichloropropane
85-C-1-6	89.15960	1	10061015	< 10.	UG/KG	12/18/89	cis-1,3-Dichloropropene
85-C-1-6	89.15960	1	10061026	< 20.	UG/KG	12/18/89	trans-1,3-Dichloropropene
85-C-1-6	89.15960	1	563586	< 10.	UG/KG	12/18/89	1,1-Dichloropropene
85-C-1-6	89.15960	1	100414	< 10.	UG/KG	12/18/89	Ethylbenzene
85-C-1-6	89.15960	1	107062	< 10.	UG/KG	12/18/89	Ethylene chloride
85-C-1-6	89.15960	1	87683	< 10.	UG/KG	12/18/89	Hexachlorobutadiene
85-C-1-6	89.15960	1	591786	< 20.	UG/KG	12/18/89	2-Hexanone
85-C-1-6	89.15960	1	98828	< 10.	UG/KG	12/18/89	Isopropylbenzene
85-C-1-6	89.15960	1	99876	< 10.	UG/KG	12/18/89	4-Isopropyltoluene
85-C-1-6	89.15960	1	108101	< 20.	UG/KG	12/18/89	4-Methyl-2-pentanone
85-C-1-6	89.15960	1	75092	< 10.	UG/KG	12/18/89	Methylene chloride
85-C-1-6	89.15960	1	91203	< 10.	UG/KG	12/18/89	Naphthalene
85-C-1-6	89.15960	1	103651	< 10.	UG/KG	12/18/89	Propylbenzene
85-C-1-6	89.15960	1	100425	< 10.	UG/KG	12/18/89	Styrene
85-C-1-6	89.15960	1	79345	< 10.	UG/KG	12/18/89	1,1,2,2-Tetrachloroethane
85-C-1-6	89.15960	1	630206	< 10.	UG/KG	12/18/89	1,1,1,2-Tetrachloroethane
85-C-1-6	89.15960	1	127184	< 10.	UG/KG	12/18/89	Tetrachloroethylene
85-C-1-6	89.15960	1	108883	< 10.	UG/KG	12/18/89	Toluene
85-C-1-6	89.15960	1	87616	< 10.	UG/KG	12/18/89	1,2,3-Trichlorobenzene
85-C-1-6	89.15960	1	120821	< 10.	UG/KG	12/18/89	1,2,4-Trichlorobenzene
85-C-1-6	89.15960	1	71556	< 10.	UG/KG	12/18/89	1,1,1-Trichloroethane
85-C-1-6	89.15960	1	79005	< 10.	UG/KG	12/18/89	1,1,2-Trichloroethane
85-C-1-6	89.15960	1	79016	< 10.	UG/KG	12/18/89	Trichloroethene
85-C-1-6	89.15960	1	75694	< 10.	UG/KG	12/18/89	Trichlorofluoromethane
85-C-1-6	89.15960	1	96184	< 10.	UG/KG	12/18/89	1,2,3-Trichloropropane
85-C-1-6	89.15960	1	108678	< 10.	UG/KG	12/18/89	1,3,5-Trimethylbenzene
85-C-1-6	89.15960	1	95636	< 10.	UG/KG	12/18/89	1,2,4-Trimethylbenzene
85-C-1-6	89.15960	1	108054	< 10.	UG/KG	12/18/89	Vinyl acetate
85-C-1-6	89.15960	1	75014	< 20.	UG/KG	12/18/89	Vinyl chloride
85-C-1-6	89.15960	1	95476	< 10.	UG/KG	12/18/89	o-Xylene
85-C-1-6	89.15960	1	1330207	< 10.	UG/KG	12/18/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-7	89.15961	1	67641	80.8	24.2	UG/KG	12/18/89		Acetone
85-C-1-7	89.15961	1	71432	< 10.		UG/KG	12/18/89		Benzene
85-C-1-7	89.15961	1	108861	< 10.		UG/KG	12/18/89		Bromobenzene
85-C-1-7	89.15961	1	74975	< 10.		UG/KG	12/18/89		Bromochloromethane
85-C-1-7	89.15961	1	75274	< 10.		UG/KG	12/18/89		Bromodichloromethane
85-C-1-7	89.15961	1	75252	< 10.		UG/KG	12/18/89		Bromoform
85-C-1-7	89.15961	1	74839	< 20.		UG/KG	12/18/89		Bromomethane
85-C-1-7	89.15961	1	78933	< 20.		UG/KG	12/18/89		2-Butanone
85-C-1-7	89.15961	1	135988	< 10.		UG/KG	12/18/89		sec-Butylbenzene
85-C-1-7	89.15961	1	98066	< 10.		UG/KG	12/18/89		tert-Butylbenzene
85-C-1-7	89.15961	1	104518	< 10.		UG/KG	12/18/89		n-Butylbenzene
85-C-1-7	89.15961	1	75150	< 10.		UG/KG	12/18/89		Carbon disulfide
85-C-1-7	89.15961	1	56235	< 10.		UG/KG	12/18/89		Carbon tetrachloride
85-C-1-7	89.15961	1	108907	< 10.		UG/KG	12/18/89		Chlorobenzene
85-C-1-7	89.15961	1	124481	< 10.		UG/KG	12/18/89		Chlorodibromomethane
85-C-1-7	89.15961	1	75003	< 20.		UG/KG	12/18/89		Chloroethane
85-C-1-7	89.15961	1	67663	< 10.		UG/KG	12/18/89		Chloroform
85-C-1-7	89.15961	1	74873	< 20.		UG/KG	12/18/89		Chloromethane
85-C-1-7	89.15961	1	106434	< 10.		UG/KG	12/18/89		p-Chlorotoluene
85-C-1-7	89.15961	1	95498	< 10.		UG/KG	12/18/89		o-Chlorotoluene
85-C-1-7	89.15961	1	96128	< 10.		UG/KG	12/18/89		1,2-Dibromo-3-chloropropane
85-C-1-7	89.15961	1	106934	< 10.		UG/KG	12/18/89		1,2-Dibromoethane
85-C-1-7	89.15961	1	74953	< 10.		UG/KG	12/18/89		Dibromomethane
85-C-1-7	89.15961	1	95501	< 10.		UG/KG	12/18/89		o-Dichlorobenzene (1,2)
85-C-1-7	89.15961	1	541731	< 10.		UG/KG	12/18/89		m-Dichlorobenzene (1,3)

85-C-1-7	89.15961	1	106467	< 10.	UG/KG	.2/18/89	p-Dichlorobenzene (1,4)
85-C-1-7	89.15961	1	75343	< 10.	UG/KG	12/18/89	1,1-Dichloroethane
85-C-1-7	89.15961	1	107062	< 10.	UG/KG	12/18/89	1,2-Dichloroethane
85-C-1-7	89.15961	1	75354	< 10.	UG/KG	12/18/89	1,1-Dichloroethene
85-C-1-7	89.15961	1	156605	< 10.	UG/KG	12/18/89	trans-1,2-Dichloroethene
85-C-1-7	89.15961	1	156592	< 10.	UG/KG	12/18/89	cis-1,2-Dichloroethylene
85-C-1-7	89.15961	1	142289	< 10.	UG/KG	12/18/89	1,3-Dichloropropane
85-C-1-7	89.15961	1	78875	< 10.	UG/KG	12/18/89	1,2-Dichloropropane
85-C-1-7	89.15961	1	594207	< 10.	UG/KG	12/18/89	2,2-Dichloropropane
85-C-1-7	89.15961	1	563586	< 10.	UG/KG	12/18/89	1,1-Dichloropropene
85-C-1-7	89.15961	1	10061015	< 10.	UG/KG	12/18/89	cis-1,3-Dichloropropene
85-C-1-7	89.15961	1	10061026	< 20.	UG/KG	12/18/89	trans-1,3-Dichloropropene
85-C-1-7	89.15961	1	100414	< 10.	UG/KG	12/18/89	Ethylbenzene
85-C-1-7	89.15961	1	107062	< 10.	UG/KG	12/18/89	Ethylene chloride
85-C-1-7	89.15961	1	87683	< 10.	UG/KG	12/18/89	Hexachlorobutadiene
85-C-1-7	89.15961	1	591786	< 20.	UG/KG	12/18/89	2-Hexanone
85-C-1-7	89.15961	1	98828	< 10.	UG/KG	12/18/89	Isopropylbenzene
85-C-1-7	89.15961	1	99876	< 10.	UG/KG	12/18/89	4-Isopropyltoluene
85-C-1-7	89.15961	1	108101	< 20.	UG/KG	12/18/89	4-Methyl-2-pentanone
85-C-1-7	89.15961	1	75092	< 10.	UG/KG	12/18/89	Methylene chloride
85-C-1-7	89.15961	1	91203	< 10.	UG/KG	12/18/89	Naphthalene
85-C-1-7	89.15961	1	103651	< 10.	UG/KG	12/18/89	Propylbenzene
85-C-1-7	89.15961	1	100425	< 10.	UG/KG	12/18/89	Styrene
85-C-1-7	89.15961	1	630206	< 10.	UG/KG	12/18/89	1,1,1,2-Tetrachloroethane
85-C-1-7	89.15961	1	79345	< 10.	UG/KG	12/18/89	1,1,2,2-Tetrachloroethane
85-C-1-7	89.15961	1	127184	< 10.	UG/KG	12/18/89	Tetrachloroethylene
85-C-1-7	89.15961	1	108883	< 10.	UG/KG	12/18/89	Toluene
85-C-1-7	89.15961	1	120821	< 10.	UG/KG	12/18/89	1,2,4-Trichlorobenzene
85-C-1-7	89.15961	1	87616	< 10.	UG/KG	12/18/89	1,2,3-Trichlorobenzene
85-C-1-7	89.15961	1	71556	< 10.	UG/KG	12/18/89	1,1,1-Trichloroethane
85-C-1-7	89.15961	1	79005	< 10.	UG/KG	12/18/89	1,1,2-Trichloroethane
85-C-1-7	89.15961	1	79016	< 10.	UG/KG	12/18/89	Trichloroethene
85-C-1-7	89.15961	1	75694	< 10.	UG/KG	12/18/89	Trichlorofluoromethane
85-C-1-7	89.15961	1	96184	< 10.	UG/KG	12/18/89	1,2,3-Trichloropropane
85-C-1-7	89.15961	1	95636	< 10.	UG/KG	12/18/89	1,2,4-Trimethylbenzene
85-C-1-7	89.15961	1	108678	< 10.	UG/KG	12/18/89	1,3,5-Trimethylbenzene
85-C-1-7	89.15961	1	108054	< 10.	UG/KG	12/18/89	Vinyl acetate
85-C-1-7	89.15961	1	75014	< 20.	UG/KG	12/18/89	Vinyl chloride
85-C-1-7	89.15961	1	95476	< 10.	UG/KG	12/18/89	o-Xylene
85-C-1-7	89.15961	1	1330207	< 10.	UG/KG	12/18/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-8	89.15962	1	67641	124.	37.2	UG/KG	12/18/89		Acetone
85-C-1-8	89.15962	1	71432	14.9	4.5	UG/KG	12/18/89		Benzene
85-C-1-8	89.15962	1	108861	< 10.		UG/KG	12/18/89		Bromobenzene
85-C-1-8	89.15962	1	74975	< 10.		UG/KG	12/18/89		Bromochloromethane
85-C-1-8	89.15962	1	75274	< 10.		UG/KG	12/18/89		Bromodichloromethane
85-C-1-8	89.15962	1	75252	< 10.		UG/KG	12/18/89		Bromoform
85-C-1-8	89.15962	1	74839	< 20.		UG/KG	12/18/89		Bromomethane
85-C-1-8	89.15962	1	78933	< 20.		UG/KG	12/18/89		2-Butanone
85-C-1-8	89.15962	1	104518	< 10.		UG/KG	12/18/89		n-Butylbenzene
85-C-1-8	89.15962	1	135988	< 10.		UG/KG	12/18/89		sec-Butylbenzene
85-C-1-8	89.15962	1	98066	< 10.		UG/KG	12/18/89		tert-Butylbenzene
85-C-1-8	89.15962	1	75150	< 10.		UG/KG	12/18/89		Carbon disulfide
85-C-1-8	89.15962	1	56235	< 10.		UG/KG	12/18/89		Carbon tetrachloride
85-C-1-8	89.15962	1	108907	< 10.		UG/KG	12/18/89		Chlorobenzene
85-C-1-8	89.15962	1	124481	< 10.		UG/KG	12/18/89		Chlorodibromomethane
85-C-1-8	89.15962	1	75003	< 20.		UG/KG	12/18/89		Chloroethane
85-C-1-8	89.15962	1	67663	< 10.		UG/KG	12/18/89		Chloroform
85-C-1-8	89.15962	1	74873	< 20.		UG/KG	12/18/89		Chloromethane
85-C-1-8	89.15962	1	106434	< 10.		UG/KG	12/18/89		p-Chlorotoluene
85-C-1-8	89.15962	1	95498	< 10.		UG/KG	12/18/89		o-Chlorotoluene
85-C-1-8	89.15962	1	96128	< 10.		UG/KG	12/18/89		1,2-Dibromo-3-chloropropane
85-C-1-8	89.15962	1	106934	< 10.		UG/KG	12/18/89		1,2-Dibromoethane
85-C-1-8	89.15962	1	74953	< 10.		UG/KG	12/18/89		Dibromomethane
85-C-1-8	89.15962	1	95501	< 10.		UG/KG	12/18/89		o-Dichlorobenzene (1,2)
85-C-1-8	89.15962	1	541731	< 10.		UG/KG	12/18/89		m-Dichlorobenzene (1,3)

85-C-1-8	89.15962	1	106467	< 10.	UG/KG	12/18/89	p-Dichlorobenzene (1,4)
85-C-1-8	89.15962	1	107062	< 10.	UG/KG	12/18/89	1,2-Dichloroethane
85-C-1-8	89.15962	1	75343	< 10.	UG/KG	12/18/89	1,1-Dichloroethane
85-C-1-8	89.15962	1	75354	< 10.	UG/KG	12/18/89	1,1-Dichloroethene
85-C-1-8	89.15962	1	156605	< 10.	UG/KG	12/18/89	trans-1,2-Dichloroethene
85-C-1-8	89.15962	1	156592	< 10.	UG/KG	12/18/89	cis-1,2-Dichloroethylene
85-C-1-8	89.15962	1	78875	< 10.	UG/KG	12/18/89	1,2-Dichloropropane
85-C-1-8	89.15962	1	594207	< 10.	UG/KG	12/18/89	2,2-Dichloropropane
85-C-1-8	89.15962	1	142289	< 10.	UG/KG	12/18/89	1,3-Dichloropropane
85-C-1-8	89.15962	1	10061015	< 10.	UG/KG	12/18/89	cis-1,3-Dichloropropene
85-C-1-8	89.15962	1	10061026	< 20.	UG/KG	12/18/89	trans-1,3-Dichloropropene
85-C-1-8	89.15962	1	563586	< 10.	UG/KG	12/18/89	1,1-Dichloropropene
85-C-1-8	89.15962	1	100414	< 10.	UG/KG	12/18/89	Ethylbenzene
85-C-1-8	89.15962	1	107062	< 10.	UG/KG	12/18/89	Ethylene chloride
85-C-1-8	89.15962	1	87683	< 10.	UG/KG	12/18/89	Hexachlorobutadiene
85-C-1-8	89.15962	1	591786	< 20.	UG/KG	12/18/89	2-Hexanone
85-C-1-8	89.15962	1	98828	< 10.	UG/KG	12/18/89	Isopropylbenzene
85-C-1-8	89.15962	1	99876	< 10.	UG/KG	12/18/89	4-Isopropyltoluene
85-C-1-8	89.15962	1	108101	< 20.	UG/KG	12/18/89	4-Methyl-2-pentanone
85-C-1-8	89.15962	1	75092	< 10.	UG/KG	12/18/89	Methylene chloride
85-C-1-8	89.15962	1	91203	< 10.	UG/KG	12/18/89	Naphthalene
85-C-1-8	89.15962	1	103651	< 10.	UG/KG	12/18/89	Propylbenzene
85-C-1-8	89.15962	1	100425	< 10.	UG/KG	12/18/89	Styrene
85-C-1-8	89.15962	1	79345	< 10.	UG/KG	12/18/89	1,1,2,2-Tetrachloroethane
85-C-1-8	89.15962	1	630206	< 10.	UG/KG	12/18/89	1,1,1,2-Tetrachloroethane
85-C-1-8	89.15962	1	127184	< 10.	UG/KG	12/18/89	Tetrachloroethylene
85-C-1-8	89.15962	1	108883	< 10.	UG/KG	12/18/89	Toluene
85-C-1-8	89.15962	1	120821	< 10.	UG/KG	12/18/89	1,2,4-Trichlorobenzene
85-C-1-8	89.15962	1	87616	< 10.	UG/KG	12/18/89	1,2,3-Trichlorobenzene
85-C-1-8	89.15962	1	71556	< 10.	UG/KG	12/18/89	1,1,1-Trichloroethane
85-C-1-8	89.15962	1	79005	< 10.	UG/KG	12/18/89	1,1,2-Trichloroethane
85-C-1-8	89.15962	1	79016	< 10.	UG/KG	12/18/89	Trichloroethene
85-C-1-8	89.15962	1	75694	< 10.	UG/KG	12/18/89	Trichlorofluoromethane
85-C-1-8	89.15962	1	96184	< 10.	UG/KG	12/18/89	1,2,3-Trichloropropane
85-C-1-8	89.15962	1	95636	< 10.	UG/KG	12/18/89	1,2,4-Trimethylbenzene
85-C-1-8	89.15962	1	108678	< 10.	UG/KG	12/18/89	1,3,5-Trimethylbenzene
85-C-1-8	89.15962	1	108054	< 10.	UG/KG	12/18/89	Vinyl acetate
85-C-1-8	89.15962	1	75014	< 20.	UG/KG	12/18/89	Vinyl chloride
85-C-1-8	89.15962	1	95476	< 10.	UG/KG	12/18/89	o-Xylene
85-C-1-8	89.15962	1	1330207	< 10.	UG/KG	12/18/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-2-9	89.15963	1	67641	54.3	16.3	UG/KG	12/19/89		Acetone
85-C-2-9	89.15963	1	71432	< 10.		UG/KG	12/19/89		Benzene
85-C-2-9	89.15963	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85-C-2-9	89.15963	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85-C-2-9	89.15963	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85-C-2-9	89.15963	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85-C-2-9	89.15963	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85-C-2-9	89.15963	1	78933	< 20.		UG/KG	12/19/89		2-Butanone
85-C-2-9	89.15963	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85-C-2-9	89.15963	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85-C-2-9	89.15963	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85-C-2-9	89.15963	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85-C-2-9	89.15963	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85-C-2-9	89.15963	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85-C-2-9	89.15963	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85-C-2-9	89.15963	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85-C-2-9	89.15963	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85-C-2-9	89.15963	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85-C-2-9	89.15963	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85-C-2-9	89.15963	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85-C-2-9	89.15963	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85-C-2-9	89.15963	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85-C-2-9	89.15963	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85-C-2-9	89.15963	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85-C-2-9	89.15963	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85-C-2-9	89.15963	1	106467	< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85-C-2-9	89.15963	1	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85-C-2-9	89.15963	1	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85-C-2-9	89.15963	1	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85-C-2-9	89.15963	1	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85-C-2-9	89.15963	1	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85-C-2-9	89.15963	1	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85-C-2-9	89.15963	1	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85-C-2-9	89.15963	1	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85-C-2-9	89.15963	1	10061026	< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85-C-2-9	89.15963	1	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85-C-2-9	89.15963	1	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85-C-2-9	89.15963	1	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85-C-2-9	89.15963	1	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85-C-2-9	89.15963	1	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85-C-2-9	89.15963	1	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85-C-2-9	89.15963	1	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85-C-2-9	89.15963	1	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85-C-2-9	89.15963	1	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85-C-2-9	89.15963	1	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85-C-2-9	89.15963	1	91203	< 10.	UG/KG	12/19/89	Naphthalene
85-C-2-9	89.15963	1	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85-C-2-9	89.15963	1	100425	< 10.	UG/KG	12/19/89	Styrene
85-C-2-9	89.15963	1	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85-C-2-9	89.15963	1	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85-C-2-9	89.15963	1	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85-C-2-9	89.15963	1	108883	< 10.	UG/KG	12/19/89	Toluene
85-C-2-9	89.15963	1	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85-C-2-9	89.15963	1	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85-C-2-9	89.15963	1	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85-C-2-9	89.15963	1	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85-C-2-9	89.15963	1	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85-C-2-9	89.15963	1	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85-C-2-9	89.15963	1	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85-C-2-9	89.15963	1	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85-C-2-9	89.15963	1	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85-C-2-9	89.15963	1	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85-C-2-9	89.15963	1	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85-C-2-9	89.15963	1	95476	< 10.	UG/KG	12/19/89	o-Xylene
85-C-2-9	89.15963	1	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

85-C-2-10	89.15964	1	106467	< 10.	UG/KG	.2/19/89	p-Dichlorobenzene (1,4)
85-C-2-10	89.15964	1	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85-C-2-10	89.15964	1	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85-C-2-10	89.15964	1	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85-C-2-10	89.15964	1	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85-C-2-10	89.15964	1	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85-C-2-10	89.15964	1	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85-C-2-10	89.15964	1	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85-C-2-10	89.15964	1	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85-C-2-10	89.15964	1	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85-C-2-10	89.15964	1	10061026	< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85-C-2-10	89.15964	1	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85-C-2-10	89.15964	1	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85-C-2-10	89.15964	1	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85-C-2-10	89.15964	1	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85-C-2-10	89.15964	1	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85-C-2-10	89.15964	1	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85-C-2-10	89.15964	1	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85-C-2-10	89.15964	1	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85-C-2-10	89.15964	1	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85-C-2-10	89.15964	1	91203	< 10.	UG/KG	12/19/89	Naphthalene
85-C-2-10	89.15964	1	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85-C-2-10	89.15964	1	100425	< 10.	UG/KG	12/19/89	Styrene
85-C-2-10	89.15964	1	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85-C-2-10	89.15964	1	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85-C-2-10	89.15964	1	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85-C-2-10	89.15964	1	108883	< 10.	UG/KG	12/19/89	Toluene
85-C-2-10	89.15964	1	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85-C-2-10	89.15964	1	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85-C-2-10	89.15964	1	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85-C-2-10	89.15964	1	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85-C-2-10	89.15964	1	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85-C-2-10	89.15964	1	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85-C-2-10	89.15964	1	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85-C-2-10	89.15964	1	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85-C-2-10	89.15964	1	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85-C-2-10	89.15964	1	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85-C-2-10	89.15964	1	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85-C-2-10	89.15964	1	95476	< 10.	UG/KG	12/19/89	o-Xylene
85-C-2-10	89.15964	1	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-2-11	89.15965	1	67641	180.	54.	UG/KG	12/19/89		Acetone
85-C-2-11	89.15965	1	71432	16.2	4.9	UG/KG	12/19/89		Benzene
85-C-2-11	89.15965	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85-C-2-11	89.15965	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85-C-2-11	89.15965	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85-C-2-11	89.15965	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85-C-2-11	89.15965	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85-C-2-11	89.15965	1	78933	17.9	5.4	UG/KG	12/19/89		2-Butanone
85-C-2-11	89.15965	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85-C-2-11	89.15965	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85-C-2-11	89.15965	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85-C-2-11	89.15965	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85-C-2-11	89.15965	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85-C-2-11	89.15965	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85-C-2-11	89.15965	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85-C-2-11	89.15965	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85-C-2-11	89.15965	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85-C-2-11	89.15965	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85-C-2-11	89.15965	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85-C-2-11	89.15965	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85-C-2-11	89.15965	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85-C-2-11	89.15965	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85-C-2-11	89.15965	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85-C-2-11	89.15965	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85-C-2-11	89.15965	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85-C-2-11	89.15965	1	106467		< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85-C-2-11	89.15965	1	75343		< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85-C-2-11	89.15965	1	107062		< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85-C-2-11	89.15965	1	156605		< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85-C-2-11	89.15965	1	75354		< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85-C-2-11	89.15965	1	156592		< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85-C-2-11	89.15965	1	594207		< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85-C-2-11	89.15965	1	142289		< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85-C-2-11	89.15965	1	78875		< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85-C-2-11	89.15965	1	10061015		< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85-C-2-11	89.15965	1	10061026		< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85-C-2-11	89.15965	1	563586		< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85-C-2-11	89.15965	1	100414		< 10.	UG/KG	12/19/89	Ethylbenzene
85-C-2-11	89.15965	1	107062		< 10.	UG/KG	12/19/89	Ethylene chloride
85-C-2-11	89.15965	1	87683		< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85-C-2-11	89.15965	1	591786		< 20.	UG/KG	12/19/89	2-Hexanone
85-C-2-11	89.15965	1	98828		< 10.	UG/KG	12/19/89	Isopropylbenzene
85-C-2-11	89.15965	1	99876		< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85-C-2-11	89.15965	1	108101		< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85-C-2-11	89.15965	1	75092		< 10.	UG/KG	12/19/89	Methylene chloride
85-C-2-11	89.15965	1	91203		< 10.	UG/KG	12/19/89	Naphthalene
85-C-2-11	89.15965	1	103651		< 10.	UG/KG	12/19/89	Propylbenzene
85-C-2-11	89.15965	1	100425		< 10.	UG/KG	12/19/89	Styrene
85-C-2-11	89.15965	1	630206		< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85-C-2-11	89.15965	1	79345		< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85-C-2-11	89.15965	1	127184		< 10.	UG/KG	12/19/89	Tetrachloroethylene
85-C-2-11	89.15965	1	109999	TI		UG/KG	12/19/89	Tetrahydrofuran
85-C-2-11	89.15965	1	108883		< 10.	UG/KG	12/19/89	Toluene
85-C-2-11	89.15965	1	120821		< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85-C-2-11	89.15965	1	87616		< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85-C-2-11	89.15965	1	71556		< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85-C-2-11	89.15965	1	79005		< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85-C-2-11	89.15965	1	79016		< 10.	UG/KG	12/19/89	Trichloroethene
85-C-2-11	89.15965	1	75694		< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85-C-2-11	89.15965	1	96184		< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85-C-2-11	89.15965	1	95636		< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85-C-2-11	89.15965	1	108678		< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85-C-2-11	89.15965	1	108054		< 10.	UG/KG	12/19/89	Vinyl acetate
85-C-2-11	89.15965	1	75014		< 20.	UG/KG	12/19/89	Vinyl chloride
85-C-2-11	89.15965	1	95476		< 10.	UG/KG	12/19/89	o-Xylene
85-C-2-11	89.15965	1	1330207		< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-2-12	89.15966	1	67641	175.	52.5	UG/KG	12/19/89		Acetone
85-C-2-12	89.15966	1	71432	< 10.		UG/KG	12/19/89		Benzene
85-C-2-12	89.15966	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85-C-2-12	89.15966	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85-C-2-12	89.15966	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85-C-2-12	89.15966	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85-C-2-12	89.15966	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85-C-2-12	89.15966	1	78933	29.7	8.9	UG/KG	12/19/89		2-Butanone
85-C-2-12	89.15966	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85-C-2-12	89.15966	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85-C-2-12	89.15966	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85-C-2-12	89.15966	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85-C-2-12	89.15966	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85-C-2-12	89.15966	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85-C-2-12	89.15966	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85-C-2-12	89.15966	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85-C-2-12	89.15966	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85-C-2-12	89.15966	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85-C-2-12	89.15966	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85-C-2-12	89.15966	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85-C-2-12	89.15966	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85-C-2-12	89.15966	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85-C-2-12	89.15966	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85-C-2-12	89.15966	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85-C-2-12	89.15966	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85-C-2-12	89.15966	1	106467	< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85-C-2-12	89.15966	1	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85-C-2-12	89.15966	1	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85-C-2-12	89.15966	1	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85-C-2-12	89.15966	1	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85-C-2-12	89.15966	1	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85-C-2-12	89.15966	1	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85-C-2-12	89.15966	1	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85-C-2-12	89.15966	1	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85-C-2-12	89.15966	1	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85-C-2-12	89.15966	1	10061026	< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85-C-2-12	89.15966	1	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85-C-2-12	89.15966	1	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85-C-2-12	89.15966	1	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85-C-2-12	89.15966	1	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85-C-2-12	89.15966	1	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85-C-2-12	89.15966	1	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85-C-2-12	89.15966	1	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85-C-2-12	89.15966	1	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85-C-2-12	89.15966	1	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85-C-2-12	89.15966	1	91203	< 10.	UG/KG	12/19/89	Naphthalene
85-C-2-12	89.15966	1	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85-C-2-12	89.15966	1	100425	< 10.	UG/KG	12/19/89	Styrene
85-C-2-12	89.15966	1	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85-C-2-12	89.15966	1	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85-C-2-12	89.15966	1	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85-C-2-12	89.15966	1	108883	< 10.	UG/KG	12/19/89	Toluene
85-C-2-12	89.15966	1	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85-C-2-12	89.15966	1	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85-C-2-12	89.15966	1	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85-C-2-12	89.15966	1	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85-C-2-12	89.15966	1	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85-C-2-12	89.15966	1	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85-C-2-12	89.15966	1	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85-C-2-12	89.15966	1	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85-C-2-12	89.15966	1	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85-C-2-12	89.15966	1	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85-C-2-12	89.15966	1	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85-C-2-12	89.15966	1	95476	< 10.	UG/KG	12/19/89	o-Xylene
85-C-2-12	89.15966	1	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT N ER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-13	89.15967	1	67641	153.	45.9	UG/KG	12/19/89		Acetone
85C2-13	89.15967	1	71432	< 10.		UG/KG	12/19/89		Benzene
85C2-13	89.15967	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C2-13	89.15967	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C2-13	89.15967	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C2-13	89.15967	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C2-13	89.15967	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C2-13	89.15967	1	78933	40.8	12.2	UG/KG	12/19/89		2-Butanone
85C2-13	89.15967	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C2-13	89.15967	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C2-13	89.15967	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C2-13	89.15967	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C2-13	89.15967	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C2-13	89.15967	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C2-13	89.15967	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C2-13	89.15967	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C2-13	89.15967	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C2-13	89.15967	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C2-13	89.15967	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C2-13	89.15967	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C2-13	89.15967	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C2-13	89.15967	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C2-13	89.15967	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C2-13	89.15967	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C2-13	89.15967	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C2-13	89.15967	1	106467		< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85C2-13	89.15967	1	75343		< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C2-13	89.15967	1	107062		< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C2-13	89.15967	1	75354		< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C2-13	89.15967	1	156605		< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C2-13	89.15967	1	156592		< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C2-13	89.15967	1	78875		< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C2-13	89.15967	1	594207		< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C2-13	89.15967	1	142289		< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C2-13	89.15967	1	10061015		< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C2-13	89.15967	1	563586		< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C2-13	89.15967	1	10061026		< 10.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C2-13	89.15967	1	762629	TI		UG/KG	12/19/89	4,4-Dimethyl-1-pentene
85C2-13	89.15967	1	100414		< 10.	UG/KG	12/19/89	Ethylbenzene
85C2-13	89.15967	1	107062		< 10.	UG/KG	12/19/89	Ethylene chloride
85C2-13	89.15967	1	87683		< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C2-13	89.15967	1	591786		< 20.	UG/KG	12/19/89	2-Hexanone
85C2-13	89.15967	1	98828		< 10.	UG/KG	12/19/89	Isopropylbenzene
85C2-13	89.15967	1	99876		< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C2-13	89.15967	1	108101		< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C2-13	89.15967	1	75092		< 10.	UG/KG	12/19/89	Methylene chloride
85C2-13	89.15967	1	91203		< 10.	UG/KG	12/19/89	Naphthalene
85C2-13	89.15967	1	103651		< 10.	UG/KG	12/19/89	Propylbenzene
85C2-13	89.15967	1	100425		< 10.	UG/KG	12/19/89	Styrene
85C2-13	89.15967	1	79345		< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C2-13	89.15967	1	630206		< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C2-13	89.15967	1	127184		< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C2-13	89.15967	1	108883		< 10.	UG/KG	12/19/89	Toluene
85C2-13	89.15967	1	120821		< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C2-13	89.15967	1	87616		< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C2-13	89.15967	1	71556		< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C2-13	89.15967	1	79005		< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C2-13	89.15967	1	79016		< 10.	UG/KG	12/19/89	Trichloroethene
85C2-13	89.15967	1	75694		< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C2-13	89.15967	1	96184		< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C2-13	89.15967	1	95636		< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C2-13	89.15967	1	108678		< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C2-13	89.15967	1	108054		< 10.	UG/KG	12/19/89	Vinyl acetate
85C2-13	89.15967	1	75014		< 20.	UG/KG	12/19/89	Vinyl chloride
85C2-13	89.15967	1	95476		< 10.	UG/KG	12/19/89	o-Xylene
85C2-13	89.15967	1	1330207		< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT [illegible]R: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-14	89.15968	1	67641	< 20.		UG/KG	12/19/89		Acetone
85C2-14	89.15968	1	71432	< 10.		UG/KG	12/19/89		Benzene
85C2-14	89.15968	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C2-14	89.15968	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C2-14	89.15968	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C2-14	89.15968	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C2-14	89.15968	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C2-14	89.15968	1	78933	< 20.		UG/KG	12/19/89		2-Butanone
85C2-14	89.15968	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C2-14	89.15968	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C2-14	89.15968	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C2-14	89.15968	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C2-14	89.15968	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C2-14	89.15968	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C2-14	89.15968	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C2-14	89.15968	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C2-14	89.15968	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C2-14	89.15968	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C2-14	89.15968	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C2-14	89.15968	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C2-14	89.15968	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C2-14	89.15968	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C2-14	89.15968	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C2-14	89.15968	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C2-14	89.15968	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C2-14	89.15968	1	106467	< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85C2-14	89.15968	1	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C2-14	89.15968	1	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C2-14	89.15968	1	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C2-14	89.15968	1	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C2-14	89.15968	1	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C2-14	89.15968	1	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C2-14	89.15968	1	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C2-14	89.15968	1	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C2-14	89.15968	1	10061026	< 10.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C2-14	89.15968	1	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C2-14	89.15968	1	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C2-14	89.15968	1	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85C2-14	89.15968	1	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85C2-14	89.15968	1	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C2-14	89.15968	1	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85C2-14	89.15968	1	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85C2-14	89.15968	1	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C2-14	89.15968	1	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C2-14	89.15968	1	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85C2-14	89.15968	1	91203	< 10.	UG/KG	12/19/89	Naphthalene
85C2-14	89.15968	1	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85C2-14	89.15968	1	100425	< 10.	UG/KG	12/19/89	Styrene
85C2-14	89.15968	1	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C2-14	89.15968	1	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C2-14	89.15968	1	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C2-14	89.15968	1	108883	< 10.	UG/KG	12/19/89	Toluene
85C2-14	89.15968	1	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C2-14	89.15968	1	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C2-14	89.15968	1	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C2-14	89.15968	1	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C2-14	89.15968	1	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85C2-14	89.15968	1	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C2-14	89.15968	1	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C2-14	89.15968	1	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C2-14	89.15968	1	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C2-14	89.15968	1	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85C2-14	89.15968	1	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85C2-14	89.15968	1	95476	< 10.	UG/KG	12/19/89	o-Xylene
85C2-14	89.15968	1	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-15	89.15969	1	67641	196.	59.	UG/KG	12/19/89		Acetone
85C2-15	89.15969	1	71432	< 10.		UG/KG	12/19/89		Benzene
85C2-15	89.15969	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C2-15	89.15969	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C2-15	89.15969	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C2-15	89.15969	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C2-15	89.15969	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C2-15	89.15969	1	78933	27.8	8.3	UG/KG	12/19/89		2-Butanone
85C2-15	89.15969	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C2-15	89.15969	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C2-15	89.15969	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C2-15	89.15969	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C2-15	89.15969	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C2-15	89.15969	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C2-15	89.15969	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C2-15	89.15969	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C2-15	89.15969	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C2-15	89.15969	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C2-15	89.15969	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C2-15	89.15969	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C2-15	89.15969	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C2-15	89.15969	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C2-15	89.15969	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C2-15	89.15969	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C2-15	89.15969	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C2-15	89.15969	1	106467		< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85C2-15	89.15969	1	75343		< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C2-15	89.15969	1	107062		< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C2-15	89.15969	1	156605		< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C2-15	89.15969	1	75354		< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C2-15	89.15969	1	156592		< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C2-15	89.15969	1	78875		< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C2-15	89.15969	1	594207		< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C2-15	89.15969	1	142289		< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C2-15	89.15969	1	10061026		< 10.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C2-15	89.15969	1	563586		< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C2-15	89.15969	1	10061015		< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C2-15	89.15969	1	100414		< 10.	UG/KG	12/19/89	Ethylbenzene
85C2-15	89.15969	1	107062		< 10.	UG/KG	12/19/89	Ethylene chloride
85C2-15	89.15969	1	87683		< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C2-15	89.15969	1	591786		< 20.	UG/KG	12/19/89	2-Hexanone
85C2-15	89.15969	1	98828		< 10.	UG/KG	12/19/89	Isopropylbenzene
85C2-15	89.15969	1	99876		< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C2-15	89.15969	1	108101		< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C2-15	89.15969	1	75092		< 10.	UG/KG	12/19/89	Methylene chloride
85C2-15	89.15969	1	91203		< 10.	UG/KG	12/19/89	Naphthalene
85C2-15	89.15969	1	10599754	TI		UG/KG	12/19/89	n-Pentylidene-methanamine
85C2-15	89.15969	1	103651		< 10.	UG/KG	12/19/89	Propylbenzene
85C2-15	89.15969	1	100425		< 10.	UG/KG	12/19/89	Styrene
85C2-15	89.15969	1	630206		< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C2-15	89.15969	1	79345		< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C2-15	89.15969	1	127184		< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C2-15	89.15969	1	109999	TI		UG/KG	12/19/89	Tetrahydrofuran
85C2-15	89.15969	1	108883		< 10.	UG/KG	12/19/89	Toluene
85C2-15	89.15969	1	120821		< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C2-15	89.15969	1	87616		< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C2-15	89.15969	1	71556		< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C2-15	89.15969	1	79005		< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C2-15	89.15969	1	79016		< 10.	UG/KG	12/19/89	Trichloroethene
85C2-15	89.15969	1	75694		< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C2-15	89.15969	1	96184		< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C2-15	89.15969	1	108678		< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C2-15	89.15969	1	95636		< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C2-15	89.15969	1	108054		< 10.	UG/KG	12/19/89	Vinyl acetate
85C2-15	89.15969	1	75014		< 20.	UG/KG	12/19/89	Vinyl chloride
85C2-15	89.15969	1	95476		< 10.	UG/KG	12/19/89	o-Xylene
85C2-15	89.15969	1	1330207		< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-16	89.15970	1	67641	107.	32.1	UG/KG	12/19/89		Acetone
85C2-16	89.15970	1	71432	< 10.		UG/KG	12/19/89		Benzene
85C2-16	89.15970	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C2-16	89.15970	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C2-16	89.15970	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C2-16	89.15970	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C2-16	89.15970	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C2-16	89.15970	1	78933	< 20.		UG/KG	12/19/89		2-Butanone
85C2-16	89.15970	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C2-16	89.15970	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C2-16	89.15970	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C2-16	89.15970	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C2-16	89.15970	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C2-16	89.15970	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C2-16	89.15970	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C2-16	89.15970	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C2-16	89.15970	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C2-16	89.15970	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C2-16	89.15970	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C2-16	89.15970	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C2-16	89.15970	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C2-16	89.15970	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C2-16	89.15970	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C2-16	89.15970	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C2-16	89.15970	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C2-16	89.15970	1	106467	< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85C2-16	89.15970	1	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C2-16	89.15970	1	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C2-16	89.15970	1	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C2-16	89.15970	1	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C2-16	89.15970	1	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C2-16	89.15970	1	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C2-16	89.15970	1	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C2-16	89.15970	1	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C2-16	89.15970	1	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C2-16	89.15970	1	10061026	< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C2-16	89.15970	1	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C2-16	89.15970	1	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85C2-16	89.15970	1	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85C2-16	89.15970	1	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C2-16	89.15970	1	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85C2-16	89.15970	1	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85C2-16	89.15970	1	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C2-16	89.15970	1	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C2-16	89.15970	1	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85C2-16	89.15970	1	91203	< 10.	UG/KG	12/19/89	Naphthalene
85C2-16	89.15970	1	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85C2-16	89.15970	1	100425	< 10.	UG/KG	12/19/89	Styrene
85C2-16	89.15970	1	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C2-16	89.15970	1	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C2-16	89.15970	1	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C2-16	89.15970	1	108883	< 10.	UG/KG	12/19/89	Toluene
85C2-16	89.15970	1	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C2-16	89.15970	1	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C2-16	89.15970	1	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C2-16	89.15970	1	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C2-16	89.15970	1	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85C2-16	89.15970	1	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C2-16	89.15970	1	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C2-16	89.15970	1	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C2-16	89.15970	1	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C2-16	89.15970	1	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85C2-16	89.15970	1	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85C2-16	89.15970	1	95476	< 10.	UG/KG	12/19/89	o-Xylene
85C2-16	89.15970	1	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-17	89.15971	1	67641	67.8	20.3	UG/KG	12/19/89		Acetone
85C2-17	89.15971	1	71432	< 10.		UG/KG	12/19/89		Benzene
85C2-17	89.15971	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C2-17	89.15971	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C2-17	89.15971	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C2-17	89.15971	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C2-17	89.15971	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C2-17	89.15971	1	78933	< 20.		UG/KG	12/19/89		2-Butanone
85C2-17	89.15971	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C2-17	89.15971	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C2-17	89.15971	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C2-17	89.15971	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C2-17	89.15971	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C2-17	89.15971	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C2-17	89.15971	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C2-17	89.15971	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C2-17	89.15971	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C2-17	89.15971	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C2-17	89.15971	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C2-17	89.15971	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C2-17	89.15971	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C2-17	89.15971	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C2-17	89.15971	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C2-17	89.15971	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C2-17	89.15971	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C2-17	89.15971	1	106467	< 10.	UG/KG	.2/19/89	p-Dichlorobenzene (1,4)
85C2-17	89.15971	1	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C2-17	89.15971	1	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C2-17	89.15971	1	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C2-17	89.15971	1	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C2-17	89.15971	1	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C2-17	89.15971	1	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C2-17	89.15971	1	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C2-17	89.15971	1	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C2-17	89.15971	1	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C2-17	89.15971	1	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C2-17	89.15971	1	10061026	< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C2-17	89.15971	1	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85C2-17	89.15971	1	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85C2-17	89.15971	1	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C2-17	89.15971	1	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85C2-17	89.15971	1	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85C2-17	89.15971	1	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C2-17	89.15971	1	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C2-17	89.15971	1	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85C2-17	89.15971	1	91203	< 10.	UG/KG	12/19/89	Naphthalene
85C2-17	89.15971	1	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85C2-17	89.15971	1	100425	< 10.	UG/KG	12/19/89	Styrene
85C2-17	89.15971	1	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C2-17	89.15971	1	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C2-17	89.15971	1	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C2-17	89.15971	1	108883	< 10.	UG/KG	12/19/89	Toluene
85C2-17	89.15971	1	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C2-17	89.15971	1	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C2-17	89.15971	1	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C2-17	89.15971	1	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C2-17	89.15971	1	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85C2-17	89.15971	1	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C2-17	89.15971	1	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C2-17	89.15971	1	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C2-17	89.15971	1	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C2-17	89.15971	1	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85C2-17	89.15971	1	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85C2-17	89.15971	1	95476	< 10.	UG/KG	12/19/89	o-Xylene
85C2-17	89.15971	1	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-18	89.15972	1	67641	< 20.		UG/KG	12/19/89		Acetone
85C2-18	89.15972	1	71432	< 10.		UG/KG	12/19/89		Benzene
85C2-18	89.15972	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C2-18	89.15972	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C2-18	89.15972	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C2-18	89.15972	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C2-18	89.15972	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C2-18	89.15972	1	78933	< 20.		UG/KG	12/19/89		2-Butanone
85C2-18	89.15972	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C2-18	89.15972	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C2-18	89.15972	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C2-18	89.15972	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C2-18	89.15972	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C2-18	89.15972	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C2-18	89.15972	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C2-18	89.15972	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C2-18	89.15972	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C2-18	89.15972	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C2-18	89.15972	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C2-18	89.15972	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C2-18	89.15972	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C2-18	89.15972	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C2-18	89.15972	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C2-18	89.15972	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C2-18	89.15972	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C2-18	89.15972	1	106467	< 10.	UG/KG	_/19/89	p-Dichlorobenzene (1,4)
85C2-18	89.15972	1	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C2-18	89.15972	1	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C2-18	89.15972	1	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C2-18	89.15972	1	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C2-18	89.15972	1	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C2-18	89.15972	1	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C2-18	89.15972	1	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C2-18	89.15972	1	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C2-18	89.15972	1	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C2-18	89.15972	1	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C2-18	89.15972	1	10061026	< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C2-18	89.15972	1	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85C2-18	89.15972	1	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85C2-18	89.15972	1	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C2-18	89.15972	1	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85C2-18	89.15972	1	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85C2-18	89.15972	1	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C2-18	89.15972	1	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C2-18	89.15972	1	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85C2-18	89.15972	1	91203	< 10.	UG/KG	12/19/89	Naphthalene
85C2-18	89.15972	1	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85C2-18	89.15972	1	100425	< 10.	UG/KG	12/19/89	Styrene
85C2-18	89.15972	1	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C2-18	89.15972	1	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C2-18	89.15972	1	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C2-18	89.15972	1	108883	< 10.	UG/KG	12/19/89	Toluene
85C2-18	89.15972	1	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C2-18	89.15972	1	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C2-18	89.15972	1	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C2-18	89.15972	1	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C2-18	89.15972	1	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85C2-18	89.15972	1	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C2-18	89.15972	1	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C2-18	89.15972	1	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C2-18	89.15972	1	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C2-18	89.15972	1	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85C2-18	89.15972	1	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85C2-18	89.15972	1	95476	< 10.	UG/KG	12/19/89	o-Xylene
85C2-18	89.15972	1	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-19	89.15973	1	67641	248.	74.4	UG/KG	12/19/89		Acetone
85C3-19	89.15973	1	71432	< 10.		UG/KG	12/19/89		Benzene
85C3-19	89.15973	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C3-19	89.15973	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C3-19	89.15973	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C3-19	89.15973	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C3-19	89.15973	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C3-19	89.15973	1	78933	< 20.		UG/KG	12/19/89		2-Butanone
85C3-19	89.15973	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C3-19	89.15973	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C3-19	89.15973	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C3-19	89.15973	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C3-19	89.15973	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C3-19	89.15973	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C3-19	89.15973	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C3-19	89.15973	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C3-19	89.15973	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C3-19	89.15973	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C3-19	89.15973	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C3-19	89.15973	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C3-19	89.15973	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C3-19	89.15973	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C3-19	89.15973	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C3-19	89.15973	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C3-19	89.15973	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C3-19	89.15973	1	106467	< 10.		UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85C3-19	89.15973	1	107062	< 10.		UG/KG	12/19/89	1,2-Dichloroethane
85C3-19	89.15973	1	75343	< 10.		UG/KG	12/19/89	1,1-Dichloroethane
85C3-19	89.15973	1	75354	< 10.		UG/KG	12/19/89	1,1-Dichloroethene
85C3-19	89.15973	1	156605	< 10.		UG/KG	12/19/89	trans-1,2-Dichloroethene
85C3-19	89.15973	1	156592	< 10.		UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C3-19	89.15973	1	142289	< 10.		UG/KG	12/19/89	1,3-Dichloropropane
85C3-19	89.15973	1	78875	< 10.		UG/KG	12/19/89	1,2-Dichloropropane
85C3-19	89.15973	1	594207	< 10.		UG/KG	12/19/89	2,2-Dichloropropane
85C3-19	89.15973	1	10061015	< 10.		UG/KG	12/19/89	cis-1,3-Dichloropropene
85C3-19	89.15973	1	563586	< 10.		UG/KG	12/19/89	1,1-Dichloropropene
85C3-19	89.15973	1	10061026	< 20.		UG/KG	12/19/89	trans-1,3-Dichloropropene
85C3-19	89.15973	1	100414	< 10.		UG/KG	12/19/89	Ethylbenzene
85C3-19	89.15973	1	107062	< 10.		UG/KG	12/19/89	Ethylene chloride
85C3-19	89.15973	1	87683	< 10.		UG/KG	12/19/89	Hexachlorobutadiene
85C3-19	89.15973	1	591786	< 20.		UG/KG	12/19/89	2-Hexanone
85C3-19	89.15973	1	98828	< 10.		UG/KG	12/19/89	Isopropylbenzene
85C3-19	89.15973	1	99876	< 10.		UG/KG	12/19/89	4-Isopropyltoluene
85C3-19	89.15973	1	108101	< 20.		UG/KG	12/19/89	4-Methyl-2-pentanone
85C3-19	89.15973	1	75092	< 10.		UG/KG	12/19/89	Methylene chloride
85C3-19	89.15973	1	91203	< 10.		UG/KG	12/19/89	Naphthalene
85C3-19	89.15973	1	103651	< 10.		UG/KG	12/19/89	Propylbenzene
85C3-19	89.15973	1	100425	< 10.		UG/KG	12/19/89	Styrene
85C3-19	89.15973	1	79345	< 10.		UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C3-19	89.15973	1	630206	< 10.		UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C3-19	89.15973	1	127184	160.	48.	UG/KG	12/19/89	Tetrachloroethylene
85C3-19	89.15973	1	108883	< 10.		UG/KG	12/19/89	Toluene
85C3-19	89.15973	1	87616	< 10.		UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C3-19	89.15973	1	120821	< 10.		UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C3-19	89.15973	1	79005	< 10.		UG/KG	12/19/89	1,1,2-Trichloroethane
85C3-19	89.15973	1	71556	< 10.		UG/KG	12/19/89	1,1,1-Trichloroethane
85C3-19	89.15973	1	79016	< 10.		UG/KG	12/19/89	Trichloroethene
85C3-19	89.15973	1	75694	< 10.		UG/KG	12/19/89	Trichlorofluoromethane
85C3-19	89.15973	1	96184	< 10.		UG/KG	12/19/89	1,2,3-Trichloropropane
85C3-19	89.15973	1	95636	< 10.		UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C3-19	89.15973	1	108678	< 10.		UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C3-19	89.15973	1	108054	< 10.		UG/KG	12/19/89	Vinyl acetate
85C3-19	89.15973	1	75014	< 20.		UG/KG	12/19/89	Vinyl chloride
85C3-19	89.15973	1	95476	< 10.		UG/KG	12/19/89	o-Xylene
85C3-19	89.15973	1	1330207	< 10.		UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-20	89.15974	1	67641	101.	30.3	UG/KG	12/19/89		Acetone
85C3-20	89.15974	1	71432	< 10.		UG/KG	12/19/89		Benzene
85C3-20	89.15974	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C3-20	89.15974	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C3-20	89.15974	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C3-20	89.15974	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C3-20	89.15974	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C3-20	89.15974	1	78933	< 20.		UG/KG	12/19/89		2-Butanone
85C3-20	89.15974	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C3-20	89.15974	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C3-20	89.15974	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C3-20	89.15974	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C3-20	89.15974	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C3-20	89.15974	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C3-20	89.15974	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C3-20	89.15974	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C3-20	89.15974	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C3-20	89.15974	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C3-20	89.15974	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C3-20	89.15974	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C3-20	89.15974	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C3-20	89.15974	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C3-20	89.15974	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C3-20	89.15974	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C3-20	89.15974	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C3-20	89.15974	1	106467		< 10.	UG/KG	../19/89	p-Dichlorobenzene (1,4)
85C3-20	89.15974	1	75343		< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C3-20	89.15974	1	107062		< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C3-20	89.15974	1	75354		< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C3-20	89.15974	1	156605		< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C3-20	89.15974	1	156592		< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C3-20	89.15974	1	142289		< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C3-20	89.15974	1	594207		< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C3-20	89.15974	1	78875		< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C3-20	89.15974	1	10061026		< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C3-20	89.15974	1	563586		< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C3-20	89.15974	1	10061015		< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C3-20	89.15974	1	100414		< 10.	UG/KG	12/19/89	Ethylbenzene
85C3-20	89.15974	1	107062		< 10.	UG/KG	12/19/89	Ethylene chloride
85C3-20	89.15974	1	87683		< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C3-20	89.15974	1	591786		< 20.	UG/KG	12/19/89	2-Hexanone
85C3-20	89.15974	1	98828		< 10.	UG/KG	12/19/89	Isopropylbenzene
85C3-20	89.15974	1	99876		< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C3-20	89.15974	1	108101		< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C3-20	89.15974	1	75092		< 10.	UG/KG	12/19/89	Methylene chloride
85C3-20	89.15974	1	91203		< 10.	UG/KG	12/19/89	Naphthalene
85C3-20	89.15974	1	103651		< 10.	UG/KG	12/19/89	Propylbenzene
85C3-20	89.15974	1	100425		< 10.	UG/KG	12/19/89	Styrene
85C3-20	89.15974	1	79345		< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C3-20	89.15974	1	630206		< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C3-20	89.15974	1	127184		< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C3-20	89.15974	1	109999	TI		UG/KG	12/19/89	Tetrahydrofuran
85C3-20	89.15974	1	108883		< 10.	UG/KG	12/19/89	Toluene
85C3-20	89.15974	1	87616		< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C3-20	89.15974	1	120821		< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C3-20	89.15974	1	71556		< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C3-20	89.15974	1	79005		< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C3-20	89.15974	1	79016		< 10.	UG/KG	12/19/89	Trichloroethene
85C3-20	89.15974	1	75694		< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C3-20	89.15974	1	96184		< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C3-20	89.15974	1	108678		< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C3-20	89.15974	1	95636		< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C3-20	89.15974	1	108054		< 10.	UG/KG	12/19/89	Vinyl acetate
85C3-20	89.15974	1	75014		< 20.	UG/KG	12/19/89	Vinyl chloride
85C3-20	89.15974	1	95476		< 10.	UG/KG	12/19/89	o-Xylene
85C3-20	89.15974	1	1330207		< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-21	89.15975	1	67641	136.	40.8	UG/KG	1/04/90		Acetone
85C3-21	89.15975	1	71432	< 10.		UG/KG	1/04/90		Benzene
85C3-21	89.15975	1	108861	< 10.		UG/KG	1/04/90		Bromobenzene
85C3-21	89.15975	1	74975	< 10.		UG/KG	1/04/90		Bromochloromethane
85C3-21	89.15975	1	75274	< 10.		UG/KG	1/04/90		Bromodichloromethane
85C3-21	89.15975	1	75252	< 10.		UG/KG	1/04/90		Bromoform
85C3-21	89.15975	1	74839	< 20.		UG/KG	1/04/90		Bromomethane
85C3-21	89.15975	1	78933	< 20.		UG/KG	1/04/90		2-Butanone
85C3-21	89.15975	1	104518	< 10.		UG/KG	1/04/90		n-Butylbenzene
85C3-21	89.15975	1	135988	< 10.		UG/KG	1/04/90		sec-Butylbenzene
85C3-21	89.15975	1	98066	< 10.		UG/KG	1/04/90		tert-Butylbenzene
85C3-21	89.15975	1	75150	< 10.		UG/KG	1/04/90		Carbon disulfide
85C3-21	89.15975	1	56235	< 10.		UG/KG	1/04/90		Carbon tetrachloride
85C3-21	89.15975	1	108907	< 10.		UG/KG	1/04/90		Chlorobenzene
85C3-21	89.15975	1	124481	< 10.		UG/KG	1/04/90		Chlorodibromomethane
85C3-21	89.15975	1	75003	< 20.		UG/KG	1/04/90		Chloroethane
85C3-21	89.15975	1	67663	< 10.		UG/KG	1/04/90		Chloroform
85C3-21	89.15975	1	74873	< 20.		UG/KG	1/04/90		Chloromethane
85C3-21	89.15975	1	106434	< 10.		UG/KG	1/04/90		p-Chlorotoluene
85C3-21	89.15975	1	95498	< 10.		UG/KG	1/04/90		o-Chlorotoluene
85C3-21	89.15975	1	96128	< 10.		UG/KG	1/04/90		1,2-Dibromo-3-chloropropane
85C3-21	89.15975	1	106934	< 10.		UG/KG	1/04/90		1,2-Dibromoethane
85C3-21	89.15975	1	74953	< 10.		UG/KG	1/04/90		Dibromomethane
85C3-21	89.15975	1	95501	< 10.		UG/KG	1/04/90		o-Dichlorobenzene (1,2)
85C3-21	89.15975	1	541731	< 10.		UG/KG	1/04/90		m-Dichlorobenzene (1,3)

85C3-21	89.15975	1	106467		< 10.	UG/KG	1/04/90	p-Dichlorobenzene (1,4)
85C3-21	89.15975	1	75343		< 10.	UG/KG	1/04/90	1,1-Dichloroethane
85C3-21	89.15975	1	107062		< 10.	UG/KG	1/04/90	1,2-Dichloroethane
85C3-21	89.15975	1	75354		< 10.	UG/KG	1/04/90	1,1-Dichloroethene
85C3-21	89.15975	1	156605		< 10.	UG/KG	1/04/90	trans-1,2-Dichloroethene
85C3-21	89.15975	1	156592		< 10.	UG/KG	1/04/90	cis-1,2-Dichloroethylene
85C3-21	89.15975	1	78875		< 10.	UG/KG	1/04/90	1,2-Dichloropropane
85C3-21	89.15975	1	142289		< 10.	UG/KG	1/04/90	1,3-Dichloropropane
85C3-21	89.15975	1	594207		< 20.	UG/KG	1/04/90	2,2-Dichloropropane
85C3-21	89.15975	1	10061026		< 10.	UG/KG	1/04/90	trans-1,3-Dichloropropene
85C3-21	89.15975	1	563586		< 10.	UG/KG	1/04/90	1,1-Dichloropropene
85C3-21	89.15975	1	10061015		< 10.	UG/KG	1/04/90	cis-1,3-Dichloropropene
85C3-21	89.15975	1	100414		< 10.	UG/KG	1/04/90	Ethylbenzene
85C3-21	89.15975	1	107062		< 10.	UG/KG	1/04/90	Ethylene chloride
85C3-21	89.15975	1	87683		< 10.	UG/KG	1/04/90	Hexachlorobutadiene
85C3-21	89.15975	1	591786		< 20.	UG/KG	1/04/90	2-Hexanone
85C3-21	89.15975	1	98828		< 10.	UG/KG	1/04/90	Isopropylbenzene
85C3-21	89.15975	1	99876		< 10.	UG/KG	1/04/90	4-Isopropyltoluene
85C3-21	89.15975	1	108101		< 20.	UG/KG	1/04/90	4-Methyl-2-pentanone
85C3-21	89.15975	1	75092		< 10.	UG/KG	1/04/90	Methylene chloride
85C3-21	89.15975	1	91203		< 10.	UG/KG	1/04/90	Naphthalene
85C3-21	89.15975	1	103651		< 10.	UG/KG	1/04/90	Propylbenzene
85C3-21	89.15975	1	100425		< 10.	UG/KG	1/04/90	Styrene
85C3-21	89.15975	1	79345		< 10.	UG/KG	1/04/90	1,1,2,2-Tetrachloroethane
85C3-21	89.15975	1	630206		< 10.	UG/KG	1/04/90	1,1,1,2-Tetrachloroethane
85C3-21	89.15975	1	127184		< 10.	UG/KG	1/04/90	Tetrachloroethylene
85C3-21	89.15975	1	109999	TI		UG/KG	12/19/89	Tetrahydrofuran
85C3-21	89.15975	1	108883		< 10.	UG/KG	1/04/90	Toluene
85C3-21	89.15975	1	87616		< 10.	UG/KG	1/04/90	1,2,3-Trichlorobenzene
85C3-21	89.15975	1	120821		< 10.	UG/KG	1/04/90	1,2,4-Trichlorobenzene
85C3-21	89.15975	1	71556		< 10.	UG/KG	1/04/90	1,1,1-Trichloroethane
85C3-21	89.15975	1	79005		< 10.	UG/KG	1/04/90	1,1,2-Trichloroethane
85C3-21	89.15975	1	79016		< 10.	UG/KG	1/04/90	Trichloroethene
85C3-21	89.15975	1	75694		< 10.	UG/KG	1/04/90	Trichlorofluoromethane
85C3-21	89.15975	1	96184		< 10.	UG/KG	1/04/90	1,2,3-Trichloropropane
85C3-21	89.15975	1	95636		< 10.	UG/KG	1/04/90	1,2,4-Trimethylbenzene
85C3-21	89.15975	1	108678		< 10.	UG/KG	1/04/90	1,3,5-Trimethylbenzene
85C3-21	89.15975	1	108054		< 20.	UG/KG	1/04/90	Vinyl acetate
85C3-21	89.15975	1	75014		< 20.	UG/KG	1/04/90	Vinyl chloride
85C3-21	89.15975	1	95476		< 10.	UG/KG	1/04/90	o-Xylene
85C3-21	89.15975	1	1330207		< 10.	UG/KG	1/04/90	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5249

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 9-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-22	89.15976	67641	270.	74.	UG/KG	12/19/89		Acetone
85C3-22	89.15976	71432	< 10.		UG/KG	12/19/89		Benzene
85C3-22	89.15976	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C3-22	89.15976	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C3-22	89.15976	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C3-22	89.15976	75252	< 10.		UG/KG	12/19/89		Bromoform
85C3-22	89.15976	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C3-22	89.15976	78933	81.	24.	UG/KG	12/19/89		2-Butanone
85C3-22	89.15976	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C3-22	89.15976	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C3-22	89.15976	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C3-22	89.15976	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C3-22	89.15976	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C3-22	89.15976	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C3-22	89.15976	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C3-22	89.15976	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C3-22	89.15976	67663	< 10.		UG/KG	12/19/89		Chloroform
85C3-22	89.15976	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C3-22	89.15976	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C3-22	89.15976	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C3-22	89.15976	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C3-22	89.15976	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C3-22	89.15976	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C3-22	89.15976	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C3-22	89.15976	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C3-22	89.15976	106467	< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85C3-22	89.15976	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C3-22	89.15976	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C3-22	89.15976	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C3-22	89.15976	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C3-22	89.15976	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C3-22	89.15976	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C3-22	89.15976	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C3-22	89.15976	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C3-22	89.15976	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C3-22	89.15976	10061026	< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C3-22	89.15976	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C3-22	89.15976	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85C3-22	89.15976	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85C3-22	89.15976	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C3-22	89.15976	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85C3-22	89.15976	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85C3-22	89.15976	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C3-22	89.15976	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C3-22	89.15976	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85C3-22	89.15976	91203	< 10.	UG/KG	12/19/89	Naphthalene
85C3-22	89.15976	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85C3-22	89.15976	100425	< 10.	UG/KG	12/19/89	Styrene
85C3-22	89.15976	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C3-22	89.15976	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C3-22	89.15976	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C3-22	89.15976	108883	< 10.	UG/KG	12/19/89	Toluene
85C3-22	89.15976	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C3-22	89.15976	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C3-22	89.15976	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C3-22	89.15976	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C3-22	89.15976	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85C3-22	89.15976	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C3-22	89.15976	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C3-22	89.15976	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C3-22	89.15976	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C3-22	89.15976	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85C3-22	89.15976	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85C3-22	89.15976	95476	< 10.	UG/KG	12/19/89	o-Xylene
85C3-22	89.15976	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-23	89.15977	1	67641	94.7	28.4	UG/KG	12/19/89		Acetone
85C3-23	89.15977	1	71432	< 10.		UG/KG	12/19/89		Benzene
85C3-23	89.15977	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C3-23	89.15977	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C3-23	89.15977	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C3-23	89.15977	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C3-23	89.15977	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C3-23	89.15977	1	78933	< 20.		UG/KG	12/19/89		2-Butanone
85C3-23	89.15977	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C3-23	89.15977	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C3-23	89.15977	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C3-23	89.15977	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C3-23	89.15977	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C3-23	89.15977	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C3-23	89.15977	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C3-23	89.15977	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C3-23	89.15977	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C3-23	89.15977	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C3-23	89.15977	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C3-23	89.15977	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C3-23	89.15977	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C3-23	89.15977	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C3-23	89.15977	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C3-23	89.15977	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C3-23	89.15977	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C3-23	89.15977	1	106467	< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85C3-23	89.15977	1	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C3-23	89.15977	1	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C3-23	89.15977	1	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C3-23	89.15977	1	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C3-23	89.15977	1	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C3-23	89.15977	1	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C3-23	89.15977	1	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C3-23	89.15977	1	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C3-23	89.15977	1	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C3-23	89.15977	1	10061026	< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C3-23	89.15977	1	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C3-23	89.15977	1	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85C3-23	89.15977	1	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85C3-23	89.15977	1	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C3-23	89.15977	1	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85C3-23	89.15977	1	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85C3-23	89.15977	1	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C3-23	89.15977	1	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C3-23	89.15977	1	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85C3-23	89.15977	1	91203	< 10.	UG/KG	12/19/89	Naphthalene
85C3-23	89.15977	1	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85C3-23	89.15977	1	100425	< 10.	UG/KG	12/19/89	Styrene
85C3-23	89.15977	1	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C3-23	89.15977	1	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C3-23	89.15977	1	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C3-23	89.15977	1	108883	< 10.	UG/KG	12/19/89	Toluene
85C3-23	89.15977	1	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C3-23	89.15977	1	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C3-23	89.15977	1	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C3-23	89.15977	1	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C3-23	89.15977	1	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85C3-23	89.15977	1	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C3-23	89.15977	1	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C3-23	89.15977	1	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C3-23	89.15977	1	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C3-23	89.15977	1	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85C3-23	89.15977	1	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85C3-23	89.15977	1	95476	< 10.	UG/KG	12/19/89	o-Xylene
85C3-23	89.15977	1	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

REPORT NUMBER: 5236

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-24	89.15978	1	67641	< 20.		UG/KG	12/19/89		Acetone
85C3-24	89.15978	1	71432	15.3	4.6	UG/KG	12/19/89		Benzene
85C3-24	89.15978	1	108861	< 10.		UG/KG	12/19/89		Bromobenzene
85C3-24	89.15978	1	74975	< 10.		UG/KG	12/19/89		Bromochloromethane
85C3-24	89.15978	1	75274	< 10.		UG/KG	12/19/89		Bromodichloromethane
85C3-24	89.15978	1	75252	< 10.		UG/KG	12/19/89		Bromoform
85C3-24	89.15978	1	74839	< 20.		UG/KG	12/19/89		Bromomethane
85C3-24	89.15978	1	78933	72.8	21.8	UG/KG	12/19/89		2-Butanone
85C3-24	89.15978	1	104518	< 10.		UG/KG	12/19/89		n-Butylbenzene
85C3-24	89.15978	1	135988	< 10.		UG/KG	12/19/89		sec-Butylbenzene
85C3-24	89.15978	1	98066	< 10.		UG/KG	12/19/89		tert-Butylbenzene
85C3-24	89.15978	1	75150	< 10.		UG/KG	12/19/89		Carbon disulfide
85C3-24	89.15978	1	56235	< 10.		UG/KG	12/19/89		Carbon tetrachloride
85C3-24	89.15978	1	108907	< 10.		UG/KG	12/19/89		Chlorobenzene
85C3-24	89.15978	1	124481	< 10.		UG/KG	12/19/89		Chlorodibromomethane
85C3-24	89.15978	1	75003	< 20.		UG/KG	12/19/89		Chloroethane
85C3-24	89.15978	1	67663	< 10.		UG/KG	12/19/89		Chloroform
85C3-24	89.15978	1	74873	< 20.		UG/KG	12/19/89		Chloromethane
85C3-24	89.15978	1	95498	< 10.		UG/KG	12/19/89		o-Chlorotoluene
85C3-24	89.15978	1	106434	< 10.		UG/KG	12/19/89		p-Chlorotoluene
85C3-24	89.15978	1	96128	< 10.		UG/KG	12/19/89		1,2-Dibromo-3-chloropropane
85C3-24	89.15978	1	106934	< 10.		UG/KG	12/19/89		1,2-Dibromoethane
85C3-24	89.15978	1	74953	< 10.		UG/KG	12/19/89		Dibromomethane
85C3-24	89.15978	1	95501	< 10.		UG/KG	12/19/89		o-Dichlorobenzene (1,2)
85C3-24	89.15978	1	541731	< 10.		UG/KG	12/19/89		m-Dichlorobenzene (1,3)

85C3-24	89.15978	1	106467	< 10.	UG/KG	12/19/89	p-Dichlorobenzene (1,4)
85C3-24	89.15978	1	107062	< 10.	UG/KG	12/19/89	1,2-Dichloroethane
85C3-24	89.15978	1	75343	< 10.	UG/KG	12/19/89	1,1-Dichloroethane
85C3-24	89.15978	1	75354	< 10.	UG/KG	12/19/89	1,1-Dichloroethene
85C3-24	89.15978	1	156605	< 10.	UG/KG	12/19/89	trans-1,2-Dichloroethene
85C3-24	89.15978	1	156592	< 10.	UG/KG	12/19/89	cis-1,2-Dichloroethylene
85C3-24	89.15978	1	594207	< 10.	UG/KG	12/19/89	2,2-Dichloropropane
85C3-24	89.15978	1	78875	< 10.	UG/KG	12/19/89	1,2-Dichloropropane
85C3-24	89.15978	1	142289	< 10.	UG/KG	12/19/89	1,3-Dichloropropane
85C3-24	89.15978	1	10061015	< 10.	UG/KG	12/19/89	cis-1,3-Dichloropropene
85C3-24	89.15978	1	563586	< 10.	UG/KG	12/19/89	1,1-Dichloropropene
85C3-24	89.15978	1	10061026	< 20.	UG/KG	12/19/89	trans-1,3-Dichloropropene
85C3-24	89.15978	1	100414	< 10.	UG/KG	12/19/89	Ethylbenzene
85C3-24	89.15978	1	107062	< 10.	UG/KG	12/19/89	Ethylene chloride
85C3-24	89.15978	1	87683	< 10.	UG/KG	12/19/89	Hexachlorobutadiene
85C3-24	89.15978	1	591786	< 20.	UG/KG	12/19/89	2-Hexanone
85C3-24	89.15978	1	98828	< 10.	UG/KG	12/19/89	Isopropylbenzene
85C3-24	89.15978	1	99876	< 10.	UG/KG	12/19/89	4-Isopropyltoluene
85C3-24	89.15978	1	108101	< 20.	UG/KG	12/19/89	4-Methyl-2-pentanone
85C3-24	89.15978	1	75092	< 10.	UG/KG	12/19/89	Methylene chloride
85C3-24	89.15978	1	91203	< 10.	UG/KG	12/19/89	Naphthalene
85C3-24	89.15978	1	103651	< 10.	UG/KG	12/19/89	Propylbenzene
85C3-24	89.15978	1	100425	< 10.	UG/KG	12/19/89	Styrene
85C3-24	89.15978	1	630206	< 10.	UG/KG	12/19/89	1,1,1,2-Tetrachloroethane
85C3-24	89.15978	1	79345	< 10.	UG/KG	12/19/89	1,1,2,2-Tetrachloroethane
85C3-24	89.15978	1	127184	< 10.	UG/KG	12/19/89	Tetrachloroethylene
85C3-24	89.15978	1	108883	< 10.	UG/KG	12/19/89	Toluene
85C3-24	89.15978	1	120821	< 10.	UG/KG	12/19/89	1,2,4-Trichlorobenzene
85C3-24	89.15978	1	87616	< 10.	UG/KG	12/19/89	1,2,3-Trichlorobenzene
85C3-24	89.15978	1	79005	< 10.	UG/KG	12/19/89	1,1,2-Trichloroethane
85C3-24	89.15978	1	71556	< 10.	UG/KG	12/19/89	1,1,1-Trichloroethane
85C3-24	89.15978	1	79016	< 10.	UG/KG	12/19/89	Trichloroethene
85C3-24	89.15978	1	75694	< 10.	UG/KG	12/19/89	Trichlorofluoromethane
85C3-24	89.15978	1	96184	< 10.	UG/KG	12/19/89	1,2,3-Trichloropropane
85C3-24	89.15978	1	95636	< 10.	UG/KG	12/19/89	1,2,4-Trimethylbenzene
85C3-24	89.15978	1	108678	< 10.	UG/KG	12/19/89	1,3,5-Trimethylbenzene
85C3-24	89.15978	1	108054	< 10.	UG/KG	12/19/89	Vinyl acetate
85C3-24	89.15978	1	75014	< 20.	UG/KG	12/19/89	Vinyl chloride
85C3-24	89.15978	1	95476	< 10.	UG/KG	12/19/89	o-Xylene
85C3-24	89.15978	1	1330207	< 10.	UG/KG	12/19/89	Mixed-Xylenes (m ± p)

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REPORT NUMBER: 5236 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: CPR on 5-Jan-1990

EPA VOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Laura Tsiagkouris

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 PROGRAM CODE: WA45 TASK-ID:

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

____ No QC samples run with this sample batch.

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

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

SAMPLE NUM	PHASE	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND-NAME
89.16091	1	67641	497.	149.1	UG/KG	12/19/89	OUT OF CONTROL	Acetone
89.16091	1	71432	149.	44.7	UG/KG	12/19/89	UNDER CONTROL	Benzene
89.16091	1	108861	< 10.		UG/KG	12/19/89	UNDER CONTROL	Bromobenzene
89.16091	1	74975	170.	51.	UG/KG	12/19/89	UNDER CONTROL	Bromochloromethane
89.16091	1	75274	< 10.		UG/KG	12/19/89	UNDER CONTROL	Bromodichloromethane
89.16091	1	75252	< 10.		UG/KG	12/19/89	UNDER CONTROL	Bromoform
89.16091	1	74839	< 20.		UG/KG	12/19/89	UNDER CONTROL	Bromomethane
89.16091	1	78933	470.	141.	UG/KG	12/19/89	WARNING 2-3 SIG	2-Butanone

89.16091	1	98066	< 10.		UG/KG	12/19/89	UNDER CONTROL	tert-Butylbenzene
89.16091	1	135988	< 10.		UG/KG	12/19/89	UNDER CONTROL	sec-Butylbenzene
89.16091	1	104518	< 10.		UG/KG	12/19/89	UNDER CONTROL	n-Butylbenzene
89.16091	1	75150	< 10.		UG/KG	12/19/89	UNDER CONTROL	Carbon disulfide
89.16091	1	56235	133.	39.9	UG/KG	12/19/89	UNDER CONTROL	Carbon tetrachloride
89.16091	1	108907	< 10.		UG/KG	12/19/89	UNDER CONTROL	Chlorobenzene
89.16091	1	124481	< 10.		UG/KG	12/19/89	UNDER CONTROL	Chlorodibromomethane
89.16091	1	75003	< 20.		UG/KG	12/19/89	UNDER CONTROL	Chloroethane
89.16091	1	67663	< 10.		UG/KG	12/19/89	UNDER CONTROL	Chloroform
89.16091	1	74873	< 20.		UG/KG	12/19/89	UNDER CONTROL	Chloromethane
89.16091	1	95498	58.9	17.7	UG/KG	12/19/89	OUT OF CONTROL	o-Chlorotoluene
89.16091	1	106434	< 10.		UG/KG	12/19/89	UNDER CONTROL	p-Chlorotoluene
89.16091	1	96128	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2-Dibromo-3-chloropropane
89.16091	1	106934	116.	34.8	UG/KG	12/19/89	UNDER CONTROL	1,2-Dibromoethane
89.16091	1	74953	< 10.		UG/KG	12/19/89	UNDER CONTROL	Dibromomethane
89.16091	1	95501	< 10.		UG/KG	12/19/89	UNDER CONTROL	o-Dichlorobenzene (1,2)
89.16091	1	541731	< 10.		UG/KG	12/19/89	UNDER CONTROL	m-Dichlorobenzene (1,3)
89.16091	1	106467	< 10.		UG/KG	12/19/89	UNDER CONTROL	p-Dichlorobenzene (1,4)
89.16091	1	75343	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1-Dichloroethane
89.16091	1	107062	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2-Dichloroethane
89.16091	1	75354	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1-Dichloroethene
89.16091	1	156605	< 10.		UG/KG	12/19/89	UNDER CONTROL	trans-1,2-Dichloroethene
89.16091	1	156592	< 10.		UG/KG	12/19/89	UNDER CONTROL	cis-1,2-Dichloroethylene
89.16091	1	78875	111.	33.3	UG/KG	12/19/89	UNDER CONTROL	1,2-Dichloropropane
89.16091	1	594207	< 10.		UG/KG	12/19/89	UNDER CONTROL	2,2-Dichloropropane
89.16091	1	142289	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,3-Dichloropropane
89.16091	1	563586	29.1	8.7	UG/KG	12/19/89	OUT OF CONTROL	1,1-Dichloropropene
89.16091	1	10061026	< 20.		UG/KG	12/19/89	UNDER CONTROL	trans-1,3-Dichloropropene
89.16091	1	10061015	< 10.		UG/KG	12/19/89	UNDER CONTROL	cis-1,3-Dichloropropene
89.16091	1	100414	< 10.		UG/KG	12/19/89	UNDER CONTROL	Ethylbenzene
89.16091	1	107062	< 10.		UG/KG	12/19/89	UNDER CONTROL	Ethylene chloride
89.16091	1	87683	116.	34.8	UG/KG	12/19/89	OUT OF CONTROL	Hexachlorobutadiene
89.16091	1	591786	82.1	24.6	UG/KG	12/19/89	OUT OF CONTROL	2-Hexanone
89.16091	1	98828	< 10.		UG/KG	12/19/89	UNDER CONTROL	Isopropylbenzene
89.16091	1	99876	< 10.		UG/KG	12/19/89	UNDER CONTROL	4-Isopropyltoluene
89.16091	1	108101	114.	34.2	UG/KG	12/19/89	UNDER CONTROL	4-Methyl-2-pentanone
89.16091	1	75092	< 10.		UG/KG	12/19/89	UNDER CONTROL	Methylene chloride
89.16091	1	91203	< 10.		UG/KG	12/19/89	UNDER CONTROL	Naphthalene
89.16091	1	103651	< 10.		UG/KG	12/19/89	UNDER CONTROL	Propylbenzene
89.16091	1	100425	100.	30.	UG/KG	12/19/89	UNDER CONTROL	Styrene
89.16091	1	79345	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1,2,2-Tetrachloroethane
89.16091	1	630206	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1,1,2-Tetrachloroethane
89.16091	1	127184	86.9	26.1	UG/KG	12/19/89	UNDER CONTROL	Tetrachloroethylene
89.16091	1	108883	< 10.		UG/KG	12/19/89	UNDER CONTROL	Toluene
89.16091	1	120821	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2,4-Trichlorobenzene

89.16091		87616	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2,3-Trichlorobenzene
89.16091	1	71556	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1,1-Trichloroethane
89.16091	1	79005	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1,2-Trichloroethane
89.16091	1	79016	< 10.		UG/KG	12/19/89	UNDER CONTROL	Trichloroethene
89.16091	1	75694	< 10.		UG/KG	12/19/89	UNDER CONTROL	Trichlorofluoromethane
89.16091	1	96184	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2,3-Trichloropropane
89.16091	1	95636	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2,4-Trimethylbenzene
89.16091	1	108678	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,3,5-Trimethylbenzene
89.16091	1	108054	480.	144.	UG/KG	12/19/89	OUT OF CONTROL	Vinyl acetate
89.16091	1	75014	< 20.		UG/KG	12/19/89	UNDER CONTROL	Vinyl chloride
89.16091	1	95476	< 10.		UG/KG	12/19/89	UNDER CONTROL	o-Xylene
89.16091	1	1330207	124.	37.2	UG/KG	12/19/89	UNDER CONTROL	Mixed-Xylenes (m ± p)
89.16092	1	67641	24.6	7.4	UG/KG	12/19/89	OUT OF CONTROL	Acetone
89.16092	1	71432	61.5	18.5	UG/KG	12/19/89	OUT OF CONTROL	Benzene
89.16092	1	108861	< 10.		UG/KG	12/19/89	UNDER CONTROL	Bromobenzene
89.16092	1	74975	< 10.		UG/KG	12/19/89	UNDER CONTROL	Bromochloromethane
89.16092	1	75274	< 10.		UG/KG	12/19/89	UNDER CONTROL	Bromodichloromethane
89.16092	1	75252	< 10.		UG/KG	12/19/89	UNDER CONTROL	Bromoform
89.16092	1	74839	< 20.		UG/KG	12/19/89	UNDER CONTROL	Bromomethane
89.16092	1	78933	66.5	20.	UG/KG	12/19/89	OUT OF CONTROL	2-Butanone
89.16092	1	98066	< 10.		UG/KG	12/19/89	UNDER CONTROL	tert-Butylbenzene
89.16092	1	104518	67.1	20.1	UG/KG	12/19/89	WARNING 2-3 SIG	n-Butylbenzene
89.16092	1	135988	< 10.		UG/KG	12/19/89	UNDER CONTROL	sec-Butylbenzene
89.16092	1	75150	< 10.		UG/KG	12/19/89	UNDER CONTROL	Carbon disulfide
89.16092	1	56235	< 10.		UG/KG	12/19/89	UNDER CONTROL	Carbon tetrachloride
89.16092	1	108907	< 10.		UG/KG	12/19/89	UNDER CONTROL	Chlorobenzene
89.16092	1	124481	< 10.		UG/KG	12/19/89	UNDER CONTROL	Chlorodibromomethane
89.16092	1	75003	< 20.		UG/KG	12/19/89	UNDER CONTROL	Chloroethane
89.16092	1	67663	< 10.		UG/KG	12/19/89	UNDER CONTROL	Chloroform
89.16092	1	74873	< 20.		UG/KG	12/19/89	UNDER CONTROL	Chloromethane
89.16092	1	95498	< 10.		UG/KG	12/19/89	UNDER CONTROL	o-Chlorotoluene
89.16092	1	106434	< 10.		UG/KG	12/19/89	UNDER CONTROL	p-Chlorotoluene
89.16092	1	96128	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2-Dibromo-3-chloropropane
89.16092	1	106934	56.	16.8	UG/KG	12/19/89	OUT OF CONTROL	1,2-Dibromoethane
89.16092	1	74953	< 10.		UG/KG	12/19/89	UNDER CONTROL	Dibromomethane
89.16092	1	95501	< 10.		UG/KG	12/19/89	UNDER CONTROL	o-Dichlorobenzene (1,2)
89.16092	1	541731	< 10.		UG/KG	12/19/89	UNDER CONTROL	m-Dichlorobenzene (1,3)
89.16092	1	106467	< 10.		UG/KG	12/19/89	UNDER CONTROL	p-Dichlorobenzene (1,4)
89.16092	1	75343	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1-Dichloroethane
89.16092	1	107062	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2-Dichloroethane
89.16092	1	75354	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1-Dichloroethene
89.16092	1	156605	< 10.		UG/KG	12/19/89	UNDER CONTROL	trans-1,2-Dichloroethene
89.16092	1	156592	< 10.		UG/KG	12/19/89	UNDER CONTROL	cis-1,2-Dichloroethylene
89.16092	1	594207	< 10.		UG/KG	12/19/89	UNDER CONTROL	2,2-Dichloropropane
89.16092	1	78875	47.1	14.1	UG/KG	12/19/89	OUT OF CONTROL	1,2-Dichloropropane

89.16092	.	142289	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,3-Dichloropropane
89.16092	1	10061015	< 10.		UG/KG	12/19/89	UNDER CONTROL	cis-1,3-Dichloropropene
89.16092	1	10061026	< 20.		UG/KG	12/19/89	UNDER CONTROL	trans-1,3-Dichloropropene
89.16092	1	563586	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1-Dichloropropene
89.16092	1	100414	< 10.		UG/KG	12/19/89	UNDER CONTROL	Ethylbenzene
89.16092	1	107062	< 10.		UG/KG	12/19/89	UNDER CONTROL	Ethylene chloride
89.16092	1	87683	62.	18.6	UG/KG	12/19/89	OUT OF CONTROL	Hexachlorobutadiene
89.16092	1	591786	37.7	11.3	UG/KG	12/19/89	OUT OF CONTROL	2-Hexanone
89.16092	1	98828	< 10.		UG/KG	12/19/89	UNDER CONTROL	Isopropylbenzene
89.16092	1	99876	< 10.		UG/KG	12/19/89	UNDER CONTROL	4-Isopropyltoluene
89.16092	1	108101	< 20.		UG/KG	12/19/89	UNDER CONTROL	4-Methyl-2-pentanone
89.16092	1	75092	< 10.		UG/KG	12/19/89	UNDER CONTROL	Methylene chloride
89.16092	1	91203	< 10.		UG/KG	12/19/89	UNDER CONTROL	Naphthalene
89.16092	1	103651	37.8	11.3	UG/KG	12/19/89	OUT OF CONTROL	Propylbenzene
89.16092	1	100425	67.7	20.3	UG/KG	12/19/89	UNDER CONTROL	Styrene
89.16092	1	630206	77.3	23.2	UG/KG	12/19/89	WARNING 2-3 SIG	1,1,1,2-Tetrachloroethane
89.16092	1	79345	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1,2,2-Tetrachloroethane
89.16092	1	127184	67.8	20.3	UG/KG	12/19/89	WARNING 2-3 SIG	Tetrachloroethylene
89.16092	1	108883	< 10.		UG/KG	12/19/89	UNDER CONTROL	Toluene
89.16092	1	87616	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2,3-Trichlorobenzene
89.16092	1	120821	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2,4-Trichlorobenzene
89.16092	1	71556	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1,1-Trichloroethane
89.16092	1	79005	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,1,2-Trichloroethane
89.16092	1	79016	< 10.		UG/KG	12/19/89	UNDER CONTROL	Trichloroethene
89.16092	1	75694	< 10.		UG/KG	12/19/89	UNDER CONTROL	Trichlorofluoromethane
89.16092	1	96184	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,2,3-Trichloropropane
89.16092	1	108678	< 10.		UG/KG	12/19/89	UNDER CONTROL	1,3,5-Trimethylbenzene
89.16092	1	95636	67.	20.1	UG/KG	12/19/89	WARNING 2-3 SIG	1,2,4-Trimethylbenzene
89.16092	1	108054	< 10.		UG/KG	12/19/89	UNDER CONTROL	Vinyl acetate
89.16092	1	75014	< 20.		UG/KG	12/19/89	UNDER CONTROL	Vinyl chloride
89.16092	1	95476	< 10.		UG/KG	12/19/89	UNDER CONTROL	o-Xylene
89.16092	1	1330207	32.9	9.9	UG/KG	12/19/89	OUT OF CONTROL	Mixed-Xylenes (m ± p)

SURROGATE RESULTS FOR EPA VOLATILES

1,2-Dichloroethane d4 (CAS # = 17060070); EPA Range Limits: Water = 76-114 %, Soil = 70-121 %

SAMPLE NUMBER	PHASE	RESULT	UNITS	COMPLETION DATE	COMMENT
89.15955	1	181.	%	12/18/89	
89.15956	1	129.	%	12/18/89	
89.15957	1	103.	%	12/18/89	
89.15958	1	108.	%	12/18/89	
89.15959	1	106.	%	12/18/89	

89.15960	1	107.	%	12/18/89
89.15961	1	153.	%	12/18/89
89.15962	1	106.	%	12/18/89
89.15963	1	209.	%	12/19/89
89.15964	1	151.	%	12/19/89
89.15965	1	122.	%	12/19/89
89.15966	1	132.	%	12/19/89
89.15967	1	124.	%	12/19/89
89.15968	1	168.	%	12/19/89
89.15969	1	133.	%	12/19/89
89.15970	1	110.	%	12/19/89
89.15971	1	170.	%	12/19/89
89.15972	1	142.	%	12/19/89
89.15973	1	151.	%	12/19/89
89.15974	1	124.	%	12/19/89
89.15975	1	128.	%	1/04/90
89.15976	1	343.	%	12/19/89
89.15977	1	125.	%	12/19/89
89.15978	1	221.	%	12/19/89
89.16091	1	112.	%	12/19/89
89.16092	1	86.5	%	12/19/89

Toluene d8 (CAS # = 2037265); EPA Range Limits: Water = 88-110 %, Soil = 81-117 %

SAMPLE NUMBER	PHASE	RESULT	UNITS	COMPLETION DATE	COMMENT
89.15955	1	64.7	%	12/18/89	
89.15956	1	144.	%	12/18/89	
89.15957	1	94.6	%	12/18/89	
89.15958	1	126.	%	12/18/89	
89.15959	1	123.	%	12/18/89	
89.15960	1	127.	%	12/18/89	
89.15961	1	113.	%	12/18/89	
89.15962	1	125.	%	12/18/89	
89.15963	1	124.	%	12/19/89	
89.15964	1	108.	%	12/19/89	
89.15965	1	111.	%	12/19/89	
89.15966	1	125.	%	12/19/89	
89.15967	1	128.	%	12/19/89	
89.15968	1	104.	%	12/19/89	
89.15969	1	128	%	12/19/89	
89.15970	1	131.	%	12/19/89	
89.15971	1	166.	%	12/19/89	
89.15972	1	112.	%	12/19/89	

89.15973	1	117.	%	12/19/89
89.15974	1	129.	%	12/19/89
89.15975	1	127.	%	1/04/90
89.15976	1	449.	%	12/19/89
89.15977	1	129.	%	12/19/89
89.15978	1	131.	%	12/19/89
89.16091	1	123.	%	12/19/89
89.16092	1	92.5	%	12/19/89

4-Bromofluorobenzene (CAS # = 460004); EPA Range Limits: Water = 86-115 %, Soil = 74-121 %

SAMPLE NUMBER	PHASE	RESULT	UNITS	COMPLETION DATE	COMMENT
89.15955	1	205.	%	12/18/89	
89.15956	1	136.	%	12/18/89	
89.15957	1	111.	%	12/18/89	
89.15958	1	134.	%	12/18/89	
89.15959	1	131.	%	12/18/89	
89.15960	1	137.	%	12/18/89	
89.15961	1	143.	%	12/18/89	
89.15962	1	133.	%	12/18/89	
89.15963	1	120.	%	12/19/89	
89.15964	1	128.	%	12/19/89	
89.15965	1	86.5	%	12/19/89	
89.15966	1	124.	%	12/19/89	
89.15967	1	127.	%	12/19/89	
89.15968	1	125.	%	12/19/89	
89.15969	1	127.	%	12/19/89	
89.15970	1	122.	%	12/19/89	
89.15971	1	146.	%	12/19/89	
89.15972	1	131.	%	12/19/89	
89.15973	1	86.4	%	12/19/89	
89.15974	1	123.	%	12/19/89	
89.15975	1	124.	%	1/04/90	
89.15976	1	446.	%	12/19/89	
89.15977	1	123.	%	12/19/89	
89.15978	1	142.	%	12/19/89	
89.16091	1	132.	%	12/19/89	
89.16092	1	115.	%	12/19/89	

Analyst Section Leader QA Officer

1/9/90	1-9-90	1-12-90
Date	Date	Date

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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SEMIVOLATILE ORGANIC ANALYSES

Rec'd 4-30-90

TA-35 TSL-85
Final Soil Verification Samples

HSE-9 SEMIVOLATILE ORGANIC ANALYSIS
SUMMARY OF ANALYTICAL RESULTS

To: Steve McLin
From: Martin Koby

Request Number: 7968
Matrix: Soil
Summary Date: 3/8/90

Sample ID	Target Compounds Found	Amount (ug/Kg)	LOQ (ug/Kg)
Blank 1	NONE	NA	330.0
Blank 2	Bis(2-ethylhexyl)phthalate	830.0	330.0
Blank 3	Bis(2-ethylhexyl)phthalate	420.0	330.0
89.15879	NONE	NA	330.0
89.15880	NONE	NA	330.0
89.15881	NONE	NA	1300.0
89.15882	NONE	NA	1600.0
89.15883	NONE	NA	330.0
89.15884	Bis(2-ethylhexyl)phthalate	800.0	330.0
89.15885	Bis(2-ethylhexyl)phthalate	1700.0	330.0
89.15886	NONE	NA	6600.0
89.15887	NONE	NA	6600.0
89.15888	NONE	NA	1300.0
89.15889	Bis(2-ethylhexyl)phthalate	380.0	330.0
89.15890	NONE	NA	1700.0
89.15891	NO DATA AVAILABLE - SAMPLE LOST DURING PREPARATION		
89.15892	Bis(2-ethylhexyl)phthalate	720.0	330.0
89.15893	NONE	NA	1300.0
89.15894	NONE	NA	1300.0
89.15895	NONE	NA	1300.0
89.15896	NONE	NA	1300.0
89.15897	Bis(2-ethylhexyl)phthalate	2800.0	330.0
89.15898	NONE	NA	1300.0
89.15899	NONE	NA	6600.0
89.15900	NONE	NA	1300.0
89.15901	NONE	NA	1300.0
89.15902	NONE	NA	1300.0

24 (lost)
− 1
23 analyzed

8 330
10 1300
1 1600
1 1700
~~3~~ 6600

May 3, 1990

TA-35 TSL-35
Low sampled
Semi-Volatiles
Rec'd 5-4-90
LYW

To: Roger Ferenbaugh

From: Craig Leasure CSL

Subject: Anomalies from Request Number 7969

The following samples were analyzed after the 40 day holding time for analysis had expired.

89.15962
89.15965-9
89.15971-8

The data for these samples are not legally defensible, therefore, resampling may be necessary. We apologize for any inconvenience that may cause.

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-1	89.15955	83329	< 330.		UG/KG	4/27/90		Acenaphthene
85-C-1-1	89.15955	208968	< 330.		UG/KG	4/27/90		Acenaphthylene
85-C-1-1	89.15955	62533	< 330.		UG/KG	4/27/90		Aniline
85-C-1-1	89.15955	120127	< 330.		UG/KG	4/27/90		Anthracene
85-C-1-1	89.15955	103333	< 330.		UG/KG	4/27/90		Azobenzene
85-C-1-1	89.15955	56553	< 330.		UG/KG	4/27/90		Benz(a)anthracene
85-C-1-1	89.15955	92875	< 330.		UG/KG	4/27/90		m-Benzidine
85-C-1-1	89.15955	191242	< 330.		UG/KG	4/27/90		Benzo(g,h,i)perylene
85-C-1-1	89.15955	50328	< 330.		UG/KG	4/27/90		Benzo-a-pyrene
85-C-1-1	89.15955	205992	< 330.		UG/KG	4/27/90		Benzo-b-fluoranthene
85-C-1-1	89.15955	207089	< 330.		UG/KG	4/27/90		Benzo-k-fluoranthene
85-C-1-1	89.15955	65850	< 330.		UG/KG	4/27/90		Benzoic acid
85-C-1-1	89.15955	100516	< 330.		UG/KG	4/27/90		Benzyl alcohol
85-C-1-1	89.15955	111911	< 330.		UG/KG	4/27/90		Bis(2-chloroethoxy)methane
85-C-1-1	89.15955	111444	< 330.		UG/KG	4/27/90		Bis(2-chloroethyl)ether
85-C-1-1	89.15955	108601	< 330.		UG/KG	4/27/90		Bis(2-chloroisopropyl)ether
85-C-1-1	89.15955	117817	< 330.		UG/KG	4/27/90		Bis(2-ethylhexyl)phthalate
85-C-1-1	89.15955	101553	< 330.		UG/KG	4/27/90		4-Bromophenylphenyl ether
85-C-1-1	89.15955	85687	< 330.		UG/KG	4/27/90		Butylbenzyl phthalate
85-C-1-1	89.15955	59507	< 330.		UG/KG	4/27/90		4-Chloro-3-methylphenol
85-C-1-1	89.15955	106478	< 330.		UG/KG	4/27/90		4-Chloroaniline
85-C-1-1	89.15955	91587	< 330.		UG/KG	4/27/90		2-Chloronaphthalene
85-C-1-1	89.15955	95578	< 330.		UG/KG	4/27/90		o-Chlorophenol
85-C-1-1	89.15955	7005723	< 330.		UG/KG	4/27/90		4-Chlorophenylphenyl ether
85-C-1-1	89.15955	218019	< 330.		UG/KG	4/27/90		Chrysene

85-C-1-1	89.15955	106445	< 330.	UG/KG	4/27/90	p-Cresol
85-C-1-1	89.15955	84742	< 330.	UG/KG	4/27/90	Di-n-butyl phthalate
85-C-1-1	89.15955	117840	< 330.	UG/KG	4/27/90	Di-n-octyl phthalate
85-C-1-1	89.15955	53703	< 330.	UG/KG	4/27/90	Dibenzo(a,h)anthracene
85-C-1-1	89.15955	132649	< 330.	UG/KG	4/27/90	Dibenzofuran
85-C-1-1	89.15955	95501	< 330.	UG/KG	4/27/90	o-Dichlorobenzene (1,2)
85-C-1-1	89.15955	541731	< 330.	UG/KG	4/27/90	m-Dichlorobenzene (1,3)
85-C-1-1	89.15955	106467	< 330.	UG/KG	4/27/90	p-Dichlorobenzene (1,4)
85-C-1-1	89.15955	91941	< 330.	UG/KG	4/27/90	3,3'-Dichlorobenzidine
85-C-1-1	89.15955	120832	< 330.	UG/KG	4/27/90	2,4-Dichlorophenol
85-C-1-1	89.15955	84662	< 330.	UG/KG	4/27/90	Diethyl phthalate
85-C-1-1	89.15955	131113	< 330.	UG/KG	4/27/90	Dimethyl phthalate
85-C-1-1	89.15955	105679	< 330.	UG/KG	4/27/90	2,4-Dimethylphenol
85-C-1-1	89.15955	51285	< 330.	UG/KG	4/27/90	2,4-Dinitrophenol
85-C-1-1	89.15955	121142	< 330.	UG/KG	4/27/90	2,4-Dinitrotoluene
85-C-1-1	89.15955	606202	< 330.	UG/KG	4/27/90	2,6-Dinitrotoluene
85-C-1-1	89.15955	206440	< 330.	UG/KG	4/27/90	Fluoranthene
85-C-1-1	89.15955	86737	< 330.	UG/KG	4/27/90	Fluorene
85-C-1-1	89.15955	118741	< 330.	UG/KG	4/27/90	Hexachlorobenzene
85-C-1-1	89.15955	87683	< 330.	UG/KG	4/27/90	Hexachlorobutadiene
85-C-1-1	89.15955	77474	< 330.	UG/KG	4/27/90	Hexachlorocyclopentadiene
85-C-1-1	89.15955	67721	< 330.	UG/KG	4/27/90	Hexachloroethane
85-C-1-1	89.15955	193395	< 330.	UG/KG	4/27/90	Indeno(1,2,3-cd)pyrene
85-C-1-1	89.15955	78591	< 330.	UG/KG	4/27/90	Isophorone
85-C-1-1	89.15955	534521	< 330.	UG/KG	4/27/90	2-Methyl-4,6-dinitrophenol
85-C-1-1	89.15955	91576	< 330.	UG/KG	4/27/90	2-Methylnaphthalene
85-C-1-1	89.15955	95487	< 330.	UG/KG	4/27/90	2-Methylphenol
85-C-1-1	89.15955	106445	< 330.	UG/KG	4/27/90	4-Methylphenol
85-C-1-1	89.15955	91203	< 330.	UG/KG	4/27/90	Naphthalene
85-C-1-1	89.15955	88744	< 330.	UG/KG	4/27/90	2-Nitroaniline
85-C-1-1	89.15955	99092	< 330.	UG/KG	4/27/90	3-Nitroaniline
85-C-1-1	89.15955	100016	< 330.	UG/KG	4/27/90	4-Nitroaniline
85-C-1-1	89.15955	98953	< 330.	UG/KG	4/27/90	Nitrobenzene
85-C-1-1	89.15955	88755	< 330.	UG/KG	4/27/90	2-Nitrophenol
85-C-1-1	89.15955	100027	< 330.	UG/KG	4/27/90	4-Nitrophenol
85-C-1-1	89.15955	621647	< 330.	UG/KG	4/27/90	N-Nitrosodi-n-propylamine
85-C-1-1	89.15955	62759	< 330.	UG/KG	4/27/90	N-Nitrosodimethylamine
85-C-1-1	89.15955	86306	< 330.	UG/KG	4/27/90	N-Nitrosodiphenylamine
85-C-1-1	89.15955	87865	< 330.	UG/KG	4/27/90	Pentachlorophenol
85-C-1-1	89.15955	85018	< 330.	UG/KG	4/27/90	Phenanthrene
85-C-1-1	89.15955	108952	< 330.	UG/KG	4/27/90	Phenol
85-C-1-1	89.15955	129000	< 330.	UG/KG	4/27/90	Pyrene
85-C-1-1	89.15955	120821	< 330.	UG/KG	4/27/90	1,2,4-Trichlorobenzene
85-C-1-1	89.15955	95954	< 330.	UG/KG	4/27/90	2,4,5-Trichlorophenol
85-C-1-1	89.15955	88062	< 330.	UG/KG	4/27/90	2,4,6-Trichlorophenol

85-C-1-1	89.15955	105679	< 330.	UG/KG	4/27/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-2	89.15956	83329	< 330.		UG/KG	4/27/90		Acenaphthene
85-C-1-2	89.15956	208968	< 330.		UG/KG	4/27/90		Acenaphthylene
85-C-1-2	89.15956	62533	< 330.		UG/KG	4/27/90		Aniline
85-C-1-2	89.15956	120127	< 330.		UG/KG	4/27/90		Anthracene
85-C-1-2	89.15956	103333	< 330.		UG/KG	4/27/90		Azobenzene
85-C-1-2	89.15956	56553	< 330.		UG/KG	4/27/90		Benz(a)anthracene
85-C-1-2	89.15956	92875	< 330.		UG/KG	4/27/90		m-Benzidine
85-C-1-2	89.15956	191242	< 330.		UG/KG	4/27/90		Benzo(g,h,i)perylene
85-C-1-2	89.15956	50328	< 330.		UG/KG	4/27/90		Benzo-a-pyrene
85-C-1-2	89.15956	205992	< 330.		UG/KG	4/27/90		Benzo-b-fluoranthene
85-C-1-2	89.15956	207089	< 330.		UG/KG	4/27/90		Benzo-k-fluoranthene
85-C-1-2	89.15956	65850	< 330.		UG/KG	4/27/90		Benzoic acid
85-C-1-2	89.15956	100516	< 330.		UG/KG	4/27/90		Benzyl alcohol
85-C-1-2	89.15956	111911	< 330.		UG/KG	4/27/90		Bis(2-chloroethoxy)methane
85-C-1-2	89.15956	111444	< 330.		UG/KG	4/27/90		Bis(2-chloroethyl)ether
85-C-1-2	89.15956	108601	< 330.		UG/KG	4/27/90		Bis(2-chloroisopropyl)ether
85-C-1-2	89.15956	117817	< 330.		UG/KG	4/27/90		Bis(2-ethylhexyl)phthalate
85-C-1-2	89.15956	101553	< 330.		UG/KG	4/27/90		4-Bromophenylphenyl ether
85-C-1-2	89.15956	85687	< 330.		UG/KG	4/27/90		Butylbenzyl phthalate
85-C-1-2	89.15956	59507	< 330.		UG/KG	4/27/90		4-Chloro-3-methylphenol
85-C-1-2	89.15956	106478	< 330.		UG/KG	4/27/90		4-Chloroaniline
85-C-1-2	89.15956	91587	< 330.		UG/KG	4/27/90		2-Chloronaphthalene
85-C-1-2	89.15956	95578	< 330.		UG/KG	4/27/90		o-Chlorophenol
85-C-1-2	89.15956	7005723	< 330.		UG/KG	4/27/90		4-Chlorophenylphenyl ether
85-C-1-2	89.15956	218019	< 330.		UG/KG	4/27/90		Chrysene

85-C-1-2	89.15956	106445	< 330.	UG/KG	4/27/90	p-Cresol
85-C-1-2	89.15956	84742	< 330.	UG/KG	4/27/90	Di-n-butyl phthalate
85-C-1-2	89.15956	117840	< 330.	UG/KG	4/27/90	Di-n-octyl phthalate
85-C-1-2	89.15956	53703	< 330.	UG/KG	4/27/90	Dibenzo(a,h)anthracene
85-C-1-2	89.15956	132649	< 330.	UG/KG	4/27/90	Dibenzofuran
85-C-1-2	89.15956	95501	< 330.	UG/KG	4/27/90	o-Dichlorobenzene (1,2)
85-C-1-2	89.15956	541731	< 330.	UG/KG	4/27/90	m-Dichlorobenzene (1,3)
85-C-1-2	89.15956	106467	< 330.	UG/KG	4/27/90	p-Dichlorobenzene (1,4)
85-C-1-2	89.15956	91941	< 330.	UG/KG	4/27/90	3,3'-Dichlorobenzidine
85-C-1-2	89.15956	120832	< 330.	UG/KG	4/27/90	2,4-Dichlorophenol
85-C-1-2	89.15956	84662	< 330.	UG/KG	4/27/90	Diethyl phthalate
85-C-1-2	89.15956	131113	< 330.	UG/KG	4/27/90	Dimethyl phthalate
85-C-1-2	89.15956	105679	< 330.	UG/KG	4/27/90	2,4-Dimethylphenol
85-C-1-2	89.15956	51285	< 330.	UG/KG	4/27/90	2,4-Dinitrophenol
85-C-1-2	89.15956	121142	< 330.	UG/KG	4/27/90	2,4-Dinitrotoluene
85-C-1-2	89.15956	606202	< 330.	UG/KG	4/27/90	2,6-Dinitrotoluene
85-C-1-2	89.15956	206440	< 330.	UG/KG	4/27/90	Fluoranthene
85-C-1-2	89.15956	86737	< 330.	UG/KG	4/27/90	Fluorene
85-C-1-2	89.15956	118741	< 330.	UG/KG	4/27/90	Hexachlorobenzene
85-C-1-2	89.15956	87683	< 330.	UG/KG	4/27/90	Hexachlorobutadiene
85-C-1-2	89.15956	77474	< 330.	UG/KG	4/27/90	Hexachlorocyclopentadiene
85-C-1-2	89.15956	67721	< 330.	UG/KG	4/27/90	Hexachloroethane
85-C-1-2	89.15956	193395	< 330.	UG/KG	4/27/90	Indeno(1,2,3-cd)pyrene
85-C-1-2	89.15956	78591	< 330.	UG/KG	4/27/90	Isophorone
85-C-1-2	89.15956	534521	< 330.	UG/KG	4/27/90	2-Methyl-4,6-dinitrophenol
85-C-1-2	89.15956	91576	< 330.	UG/KG	4/27/90	2-Methylnaphthalene
85-C-1-2	89.15956	95487	< 330.	UG/KG	4/27/90	2-Methylphenol
85-C-1-2	89.15956	106445	< 330.	UG/KG	4/27/90	4-Methylphenol
85-C-1-2	89.15956	91203	< 330.	UG/KG	4/27/90	Naphthalene
85-C-1-2	89.15956	88744	< 330.	UG/KG	4/27/90	2-Nitroaniline
85-C-1-2	89.15956	99092	< 330.	UG/KG	4/27/90	3-Nitroaniline
85-C-1-2	89.15956	100016	< 330.	UG/KG	4/27/90	4-Nitroaniline
85-C-1-2	89.15956	98953	< 330.	UG/KG	4/27/90	Nitrobenzene
85-C-1-2	89.15956	88755	< 330.	UG/KG	4/27/90	2-Nitrophenol
85-C-1-2	89.15956	100027	< 330.	UG/KG	4/27/90	4-Nitrophenol
85-C-1-2	89.15956	621647	< 330.	UG/KG	4/27/90	N-Nitrosodi-n-propylamine
85-C-1-2	89.15956	62759	< 330.	UG/KG	4/27/90	N-Nitrosodimethylamine
85-C-1-2	89.15956	86306	< 330.	UG/KG	4/27/90	N-Nitrosodiphenylamine
85-C-1-2	89.15956	87865	< 330.	UG/KG	4/27/90	Pentachlorophenol
85-C-1-2	89.15956	85018	< 330.	UG/KG	4/27/90	Phenanthrene
85-C-1-2	89.15956	108952	< 330.	UG/KG	4/27/90	Phenol
85-C-1-2	89.15956	129000	< 330.	UG/KG	4/27/90	Pyrene
85-C-1-2	89.15956	120821	< 330.	UG/KG	4/27/90	1,2,4-Trichlorobenzene
85-C-1-2	89.15956	95954	< 330.	UG/KG	4/27/90	2,4,5-Trichlorophenol
85-C-1-2	89.15956	88062	< 330.	UG/KG	4/27/90	2,4,6-Trichlorophenol

85-C-1-2	89.15956	105679	< 330.	UG/KG	4/27/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-3	89.15957	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-1-3	89.15957	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-1-3	89.15957	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-1-3	89.15957	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-1-3	89.15957	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-1-3	89.15957	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-1-3	89.15957	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-1-3	89.15957	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-1-3	89.15957	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-1-3	89.15957	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-1-3	89.15957	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-1-3	89.15957	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-1-3	89.15957	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-1-3	89.15957	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-1-3	89.15957	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-1-3	89.15957	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-1-3	89.15957	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-1-3	89.15957	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-1-3	89.15957	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-1-3	89.15957	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-1-3	89.15957	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-1-3	89.15957	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-1-3	89.15957	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-1-3	89.15957	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-1-3	89.15957	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-1-3	89.15957	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-1-3	89.15957	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-1-3	89.15957	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-1-3	89.15957	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-1-3	89.15957	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-1-3	89.15957	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-1-3	89.15957	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-1-3	89.15957	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-1-3	89.15957	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-1-3	89.15957	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-1-3	89.15957	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-1-3	89.15957	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-1-3	89.15957	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-1-3	89.15957	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-1-3	89.15957	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-1-3	89.15957	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-1-3	89.15957	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-1-3	89.15957	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-1-3	89.15957	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-1-3	89.15957	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-1-3	89.15957	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-1-3	89.15957	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-1-3	89.15957	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-1-3	89.15957	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-1-3	89.15957	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-1-3	89.15957	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-1-3	89.15957	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-1-3	89.15957	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-1-3	89.15957	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-1-3	89.15957	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-1-3	89.15957	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-1-3	89.15957	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-1-3	89.15957	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-1-3	89.15957	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-1-3	89.15957	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-1-3	89.15957	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-1-3	89.15957	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-1-3	89.15957	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-1-3	89.15957	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-1-3	89.15957	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-1-3	89.15957	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-1-3	89.15957	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-1-3	89.15957	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-1-3	89.15957	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-1-3	89.15957	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-1-3	89.15957	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-4	89.15958	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-1-4	89.15958	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-1-4	89.15958	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-1-4	89.15958	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-1-4	89.15958	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-1-4	89.15958	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-1-4	89.15958	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-1-4	89.15958	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-1-4	89.15958	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-1-4	89.15958	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-1-4	89.15958	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-1-4	89.15958	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-1-4	89.15958	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-1-4	89.15958	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-1-4	89.15958	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-1-4	89.15958	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-1-4	89.15958	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-1-4	89.15958	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-1-4	89.15958	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-1-4	89.15958	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-1-4	89.15958	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-1-4	89.15958	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-1-4	89.15958	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-1-4	89.15958	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-1-4	89.15958	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-1-4	89.15958	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-1-4	89.15958	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-1-4	89.15958	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-1-4	89.15958	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-1-4	89.15958	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-1-4	89.15958	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-1-4	89.15958	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-1-4	89.15958	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-1-4	89.15958	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-1-4	89.15958	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-1-4	89.15958	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-1-4	89.15958	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-1-4	89.15958	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-1-4	89.15958	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-1-4	89.15958	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-1-4	89.15958	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-1-4	89.15958	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-1-4	89.15958	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-1-4	89.15958	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-1-4	89.15958	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-1-4	89.15958	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-1-4	89.15958	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-1-4	89.15958	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-1-4	89.15958	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-1-4	89.15958	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-1-4	89.15958	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-1-4	89.15958	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-1-4	89.15958	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-1-4	89.15958	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-1-4	89.15958	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-1-4	89.15958	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-1-4	89.15958	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-1-4	89.15958	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-1-4	89.15958	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-1-4	89.15958	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-1-4	89.15958	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-1-4	89.15958	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-1-4	89.15958	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-1-4	89.15958	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-1-4	89.15958	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-1-4	89.15958	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-1-4	89.15958	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-1-4	89.15958	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-1-4	89.15958	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-1-4	89.15958	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-1-4	89.15958	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-5	89.15959	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-1-5	89.15959	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-1-5	89.15959	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-1-5	89.15959	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-1-5	89.15959	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-1-5	89.15959	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-1-5	89.15959	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-1-5	89.15959	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-1-5	89.15959	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-1-5	89.15959	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-1-5	89.15959	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-1-5	89.15959	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-1-5	89.15959	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-1-5	89.15959	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-1-5	89.15959	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-1-5	89.15959	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-1-5	89.15959	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-1-5	89.15959	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-1-5	89.15959	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-1-5	89.15959	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-1-5	89.15959	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-1-5	89.15959	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-1-5	89.15959	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-1-5	89.15959	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-1-5	89.15959	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-1-5	89.15959	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-1-5	89.15959	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-1-5	89.15959	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-1-5	89.15959	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-1-5	89.15959	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-1-5	89.15959	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-1-5	89.15959	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-1-5	89.15959	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-1-5	89.15959	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-1-5	89.15959	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-1-5	89.15959	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-1-5	89.15959	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-1-5	89.15959	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-1-5	89.15959	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-1-5	89.15959	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-1-5	89.15959	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-1-5	89.15959	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-1-5	89.15959	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-1-5	89.15959	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-1-5	89.15959	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-1-5	89.15959	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-1-5	89.15959	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-1-5	89.15959	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-1-5	89.15959	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-1-5	89.15959	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-1-5	89.15959	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-1-5	89.15959	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-1-5	89.15959	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-1-5	89.15959	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-1-5	89.15959	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-1-5	89.15959	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-1-5	89.15959	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-1-5	89.15959	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-1-5	89.15959	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-1-5	89.15959	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-1-5	89.15959	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-1-5	89.15959	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-1-5	89.15959	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-1-5	89.15959	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-1-5	89.15959	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-1-5	89.15959	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-1-5	89.15959	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-1-5	89.15959	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-1-5	89.15959	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-1-5	89.15959	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-1-5	89.15959	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-6	89.15960	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-1-6	89.15960	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-1-6	89.15960	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-1-6	89.15960	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-1-6	89.15960	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-1-6	89.15960	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-1-6	89.15960	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-1-6	89.15960	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-1-6	89.15960	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-1-6	89.15960	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-1-6	89.15960	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-1-6	89.15960	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-1-6	89.15960	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-1-6	89.15960	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-1-6	89.15960	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-1-6	89.15960	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-1-6	89.15960	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-1-6	89.15960	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-1-6	89.15960	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-1-6	89.15960	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-1-6	89.15960	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-1-6	89.15960	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-1-6	89.15960	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-1-6	89.15960	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-1-6	89.15960	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-1-6	89.15960	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-1-6	89.15960	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-1-6	89.15960	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-1-6	89.15960	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-1-6	89.15960	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-1-6	89.15960	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-1-6	89.15960	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-1-6	89.15960	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-1-6	89.15960	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-1-6	89.15960	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-1-6	89.15960	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-1-6	89.15960	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-1-6	89.15960	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-1-6	89.15960	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-1-6	89.15960	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-1-6	89.15960	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-1-6	89.15960	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-1-6	89.15960	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-1-6	89.15960	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-1-6	89.15960	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-1-6	89.15960	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-1-6	89.15960	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-1-6	89.15960	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-1-6	89.15960	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-1-6	89.15960	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-1-6	89.15960	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-1-6	89.15960	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-1-6	89.15960	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-1-6	89.15960	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-1-6	89.15960	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-1-6	89.15960	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-1-6	89.15960	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-1-6	89.15960	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-1-6	89.15960	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-1-6	89.15960	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-1-6	89.15960	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-1-6	89.15960	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-1-6	89.15960	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-1-6	89.15960	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-1-6	89.15960	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-1-6	89.15960	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-1-6	89.15960	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-1-6	89.15960	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-1-6	89.15960	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-1-6	89.15960	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-1-6	89.15960	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-7	89.15961	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-1-7	89.15961	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-1-7	89.15961	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-1-7	89.15961	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-1-7	89.15961	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-1-7	89.15961	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-1-7	89.15961	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-1-7	89.15961	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-1-7	89.15961	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-1-7	89.15961	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-1-7	89.15961	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-1-7	89.15961	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-1-7	89.15961	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-1-7	89.15961	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-1-7	89.15961	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-1-7	89.15961	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-1-7	89.15961	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-1-7	89.15961	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-1-7	89.15961	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-1-7	89.15961	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-1-7	89.15961	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-1-7	89.15961	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-1-7	89.15961	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-1-7	89.15961	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-1-7	89.15961	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-1-7	89.15961	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-1-7	89.15961	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-1-7	89.15961	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-1-7	89.15961	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-1-7	89.15961	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-1-7	89.15961	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-1-7	89.15961	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-1-7	89.15961	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-1-7	89.15961	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-1-7	89.15961	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-1-7	89.15961	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-1-7	89.15961	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-1-7	89.15961	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-1-7	89.15961	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-1-7	89.15961	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-1-7	89.15961	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-1-7	89.15961	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-1-7	89.15961	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-1-7	89.15961	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-1-7	89.15961	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-1-7	89.15961	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-1-7	89.15961	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-1-7	89.15961	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-1-7	89.15961	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-1-7	89.15961	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-1-7	89.15961	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-1-7	89.15961	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-1-7	89.15961	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-1-7	89.15961	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-1-7	89.15961	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-1-7	89.15961	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-1-7	89.15961	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-1-7	89.15961	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-1-7	89.15961	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-1-7	89.15961	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-1-7	89.15961	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-1-7	89.15961	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-1-7	89.15961	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-1-7	89.15961	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-1-7	89.15961	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-1-7	89.15961	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-1-7	89.15961	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-1-7	89.15961	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-1-7	89.15961	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-1-7	89.15961	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-1-7	89.15961	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-8	89.15962	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-1-8	89.15962	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-1-8	89.15962	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-1-8	89.15962	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-1-8	89.15962	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-1-8	89.15962	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-1-8	89.15962	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-1-8	89.15962	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-1-8	89.15962	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-1-8	89.15962	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-1-8	89.15962	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-1-8	89.15962	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-1-8	89.15962	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-1-8	89.15962	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-1-8	89.15962	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-1-8	89.15962	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-1-8	89.15962	117817	550.	165.	UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-1-8	89.15962	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-1-8	89.15962	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-1-8	89.15962	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-1-8	89.15962	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-1-8	89.15962	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-1-8	89.15962	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-1-8	89.15962	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-1-8	89.15962	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-1-8	89.15962	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-1-8	89.15962	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-1-8	89.15962	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-1-8	89.15962	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-1-8	89.15962	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-1-8	89.15962	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-1-8	89.15962	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-1-8	89.15962	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-1-8	89.15962	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-1-8	89.15962	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-1-8	89.15962	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-1-8	89.15962	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-1-8	89.15962	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-1-8	89.15962	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-1-8	89.15962	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-1-8	89.15962	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-1-8	89.15962	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-1-8	89.15962	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-1-8	89.15962	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-1-8	89.15962	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-1-8	89.15962	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-1-8	89.15962	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-1-8	89.15962	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-1-8	89.15962	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-1-8	89.15962	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-1-8	89.15962	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-1-8	89.15962	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-1-8	89.15962	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-1-8	89.15962	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-1-8	89.15962	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-1-8	89.15962	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-1-8	89.15962	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-1-8	89.15962	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-1-8	89.15962	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-1-8	89.15962	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-1-8	89.15962	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-1-8	89.15962	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-1-8	89.15962	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-1-8	89.15962	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-1-8	89.15962	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-1-8	89.15962	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-1-8	89.15962	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-1-8	89.15962	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-1-8	89.15962	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-1-8	89.15962	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-1-8	89.15962	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-2-9	89.15963	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-2-9	89.15963	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-2-9	89.15963	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-2-9	89.15963	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-2-9	89.15963	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-2-9	89.15963	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-2-9	89.15963	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-2-9	89.15963	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-2-9	89.15963	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-2-9	89.15963	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-2-9	89.15963	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-2-9	89.15963	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-2-9	89.15963	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-2-9	89.15963	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-2-9	89.15963	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-2-9	89.15963	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-2-9	89.15963	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-2-9	89.15963	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-2-9	89.15963	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-2-9	89.15963	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-2-9	89.15963	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-2-9	89.15963	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-2-9	89.15963	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-2-9	89.15963	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-2-9	89.15963	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-2-9	89.15963	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-2-9	89.15963	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-2-9	89.15963	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-2-9	89.15963	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-2-9	89.15963	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-2-9	89.15963	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-2-9	89.15963	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-2-9	89.15963	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-2-9	89.15963	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-2-9	89.15963	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-2-9	89.15963	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-2-9	89.15963	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-2-9	89.15963	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-2-9	89.15963	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-2-9	89.15963	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-2-9	89.15963	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-2-9	89.15963	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-2-9	89.15963	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-2-9	89.15963	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-2-9	89.15963	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-2-9	89.15963	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-2-9	89.15963	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-2-9	89.15963	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-2-9	89.15963	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-2-9	89.15963	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-2-9	89.15963	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-2-9	89.15963	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-2-9	89.15963	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-2-9	89.15963	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-2-9	89.15963	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-2-9	89.15963	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-2-9	89.15963	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-2-9	89.15963	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-2-9	89.15963	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-2-9	89.15963	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-2-9	89.15963	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-2-9	89.15963	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-2-9	89.15963	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-2-9	89.15963	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-2-9	89.15963	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-2-9	89.15963	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-2-9	89.15963	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-2-9	89.15963	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-2-9	89.15963	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-2-9	89.15963	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-2-9	89.15963	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-2-10	89.15964	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-2-10	89.15964	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-2-10	89.15964	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-2-10	89.15964	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-2-10	89.15964	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-2-10	89.15964	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-2-10	89.15964	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-2-10	89.15964	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-2-10	89.15964	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-2-10	89.15964	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-2-10	89.15964	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-2-10	89.15964	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-2-10	89.15964	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-2-10	89.15964	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-2-10	89.15964	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-2-10	89.15964	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-2-10	89.15964	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-2-10	89.15964	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-2-10	89.15964	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-2-10	89.15964	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-2-10	89.15964	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-2-10	89.15964	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-2-10	89.15964	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-2-10	89.15964	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-2-10	89.15964	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-2-10	89.15964	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-2-10	89.15964	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-2-10	89.15964	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-2-10	89.15964	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-2-10	89.15964	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-2-10	89.15964	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-2-10	89.15964	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-2-10	89.15964	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-2-10	89.15964	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-2-10	89.15964	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-2-10	89.15964	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-2-10	89.15964	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-2-10	89.15964	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-2-10	89.15964	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-2-10	89.15964	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-2-10	89.15964	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-2-10	89.15964	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-2-10	89.15964	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-2-10	89.15964	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-2-10	89.15964	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-2-10	89.15964	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-2-10	89.15964	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-2-10	89.15964	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-2-10	89.15964	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-2-10	89.15964	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-2-10	89.15964	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-2-10	89.15964	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-2-10	89.15964	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-2-10	89.15964	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-2-10	89.15964	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-2-10	89.15964	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-2-10	89.15964	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-2-10	89.15964	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-2-10	89.15964	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-2-10	89.15964	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-2-10	89.15964	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-2-10	89.15964	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-2-10	89.15964	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-2-10	89.15964	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-2-10	89.15964	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-2-10	89.15964	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-2-10	89.15964	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-2-10	89.15964	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-2-10	89.15964	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-2-10	89.15964	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-2-10	89.15964	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-2-11	89.15965	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-2-11	89.15965	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-2-11	89.15965	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-2-11	89.15965	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-2-11	89.15965	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-2-11	89.15965	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-2-11	89.15965	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-2-11	89.15965	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-2-11	89.15965	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-2-11	89.15965	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-2-11	89.15965	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-2-11	89.15965	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-2-11	89.15965	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-2-11	89.15965	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-2-11	89.15965	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-2-11	89.15965	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-2-11	89.15965	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-2-11	89.15965	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-2-11	89.15965	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-2-11	89.15965	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-2-11	89.15965	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-2-11	89.15965	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-2-11	89.15965	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-2-11	89.15965	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-2-11	89.15965	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-2-11	89.15965	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-2-11	89.15965	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-2-11	89.15965	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-2-11	89.15965	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-2-11	89.15965	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-2-11	89.15965	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-2-11	89.15965	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-2-11	89.15965	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-2-11	89.15965	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-2-11	89.15965	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-2-11	89.15965	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-2-11	89.15965	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-2-11	89.15965	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-2-11	89.15965	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-2-11	89.15965	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-2-11	89.15965	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-2-11	89.15965	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-2-11	89.15965	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-2-11	89.15965	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-2-11	89.15965	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-2-11	89.15965	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-2-11	89.15965	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-2-11	89.15965	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-2-11	89.15965	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-2-11	89.15965	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-2-11	89.15965	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-2-11	89.15965	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-2-11	89.15965	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-2-11	89.15965	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-2-11	89.15965	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-2-11	89.15965	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-2-11	89.15965	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-2-11	89.15965	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-2-11	89.15965	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-2-11	89.15965	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-2-11	89.15965	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-2-11	89.15965	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-2-11	89.15965	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-2-11	89.15965	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-2-11	89.15965	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-2-11	89.15965	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-2-11	89.15965	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-2-11	89.15965	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-2-11	89.15965	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-2-11	89.15965	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-2-11	89.15965	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-2-12	89.15966	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85-C-2-12	89.15966	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85-C-2-12	89.15966	62533	< 330.		UG/KG	4/28/90		Aniline
85-C-2-12	89.15966	120127	< 330.		UG/KG	4/28/90		Anthracene
85-C-2-12	89.15966	103333	< 330.		UG/KG	4/28/90		Azobenzene
85-C-2-12	89.15966	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85-C-2-12	89.15966	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85-C-2-12	89.15966	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85-C-2-12	89.15966	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85-C-2-12	89.15966	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85-C-2-12	89.15966	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85-C-2-12	89.15966	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85-C-2-12	89.15966	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85-C-2-12	89.15966	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85-C-2-12	89.15966	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85-C-2-12	89.15966	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85-C-2-12	89.15966	117817	660.	198.	UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85-C-2-12	89.15966	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85-C-2-12	89.15966	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85-C-2-12	89.15966	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85-C-2-12	89.15966	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85-C-2-12	89.15966	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85-C-2-12	89.15966	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85-C-2-12	89.15966	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85-C-2-12	89.15966	218019	< 330.		UG/KG	4/28/90		Chrysene

85-C-2-12	89.15966	106445	< 330.	UG/KG	4/28/90	p-Cresol
85-C-2-12	89.15966	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85-C-2-12	89.15966	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85-C-2-12	89.15966	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85-C-2-12	89.15966	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85-C-2-12	89.15966	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85-C-2-12	89.15966	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85-C-2-12	89.15966	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85-C-2-12	89.15966	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85-C-2-12	89.15966	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85-C-2-12	89.15966	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85-C-2-12	89.15966	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85-C-2-12	89.15966	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85-C-2-12	89.15966	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85-C-2-12	89.15966	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85-C-2-12	89.15966	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85-C-2-12	89.15966	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85-C-2-12	89.15966	86737	< 330.	UG/KG	4/28/90	Fluorene
85-C-2-12	89.15966	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85-C-2-12	89.15966	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85-C-2-12	89.15966	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85-C-2-12	89.15966	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85-C-2-12	89.15966	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85-C-2-12	89.15966	78591	< 330.	UG/KG	4/28/90	Isophorone
85-C-2-12	89.15966	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85-C-2-12	89.15966	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85-C-2-12	89.15966	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85-C-2-12	89.15966	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85-C-2-12	89.15966	91203	< 330.	UG/KG	4/28/90	Naphthalene
85-C-2-12	89.15966	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85-C-2-12	89.15966	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85-C-2-12	89.15966	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85-C-2-12	89.15966	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85-C-2-12	89.15966	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85-C-2-12	89.15966	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85-C-2-12	89.15966	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85-C-2-12	89.15966	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85-C-2-12	89.15966	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85-C-2-12	89.15966	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85-C-2-12	89.15966	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85-C-2-12	89.15966	108952	< 330.	UG/KG	4/28/90	Phenol
85-C-2-12	89.15966	129000	< 330.	UG/KG	4/28/90	Pyrene
85-C-2-12	89.15966	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85-C-2-12	89.15966	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85-C-2-12	89.15966	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85-C-2-12	89.15966	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-13	89.15967	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C2-13	89.15967	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C2-13	89.15967	62533	< 330.		UG/KG	4/28/90		Aniline
85C2-13	89.15967	120127	< 330.		UG/KG	4/28/90		Anthracene
85C2-13	89.15967	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C2-13	89.15967	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C2-13	89.15967	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C2-13	89.15967	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C2-13	89.15967	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C2-13	89.15967	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C2-13	89.15967	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C2-13	89.15967	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C2-13	89.15967	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C2-13	89.15967	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C2-13	89.15967	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C2-13	89.15967	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C2-13	89.15967	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C2-13	89.15967	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C2-13	89.15967	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C2-13	89.15967	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C2-13	89.15967	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C2-13	89.15967	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C2-13	89.15967	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C2-13	89.15967	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C2-13	89.15967	218019	< 330.		UG/KG	4/28/90		Chrysene

85C2-13	89.15967	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C2-13	89.15967	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C2-13	89.15967	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C2-13	89.15967	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C2-13	89.15967	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C2-13	89.15967	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C2-13	89.15967	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C2-13	89.15967	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C2-13	89.15967	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C2-13	89.15967	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C2-13	89.15967	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C2-13	89.15967	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C2-13	89.15967	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C2-13	89.15967	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C2-13	89.15967	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C2-13	89.15967	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C2-13	89.15967	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C2-13	89.15967	86737	< 330.	UG/KG	4/28/90	Fluorene
85C2-13	89.15967	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C2-13	89.15967	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C2-13	89.15967	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C2-13	89.15967	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C2-13	89.15967	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C2-13	89.15967	78591	< 330.	UG/KG	4/28/90	Isophorone
85C2-13	89.15967	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C2-13	89.15967	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C2-13	89.15967	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C2-13	89.15967	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C2-13	89.15967	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C2-13	89.15967	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C2-13	89.15967	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C2-13	89.15967	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C2-13	89.15967	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C2-13	89.15967	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C2-13	89.15967	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C2-13	89.15967	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C2-13	89.15967	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C2-13	89.15967	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C2-13	89.15967	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C2-13	89.15967	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C2-13	89.15967	108952	< 330.	UG/KG	4/28/90	Phenol
85C2-13	89.15967	129000	< 330.	UG/KG	4/28/90	Pyrene
85C2-13	89.15967	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C2-13	89.15967	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C2-13	89.15967	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C2-13	89.15967	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-14	89.15968	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C2-14	89.15968	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C2-14	89.15968	62533	< 330.		UG/KG	4/28/90		Aniline
85C2-14	89.15968	120127	< 330.		UG/KG	4/28/90		Anthracene
85C2-14	89.15968	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C2-14	89.15968	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C2-14	89.15968	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C2-14	89.15968	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C2-14	89.15968	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C2-14	89.15968	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C2-14	89.15968	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C2-14	89.15968	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C2-14	89.15968	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C2-14	89.15968	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C2-14	89.15968	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C2-14	89.15968	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C2-14	89.15968	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C2-14	89.15968	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C2-14	89.15968	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C2-14	89.15968	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C2-14	89.15968	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C2-14	89.15968	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C2-14	89.15968	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C2-14	89.15968	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C2-14	89.15968	218019	< 330.		UG/KG	4/28/90		Chrysene

85C2-14	89.15968	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C2-14	89.15968	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C2-14	89.15968	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C2-14	89.15968	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C2-14	89.15968	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C2-14	89.15968	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C2-14	89.15968	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C2-14	89.15968	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C2-14	89.15968	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C2-14	89.15968	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C2-14	89.15968	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C2-14	89.15968	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C2-14	89.15968	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C2-14	89.15958	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C2-14	89.15968	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C2-14	89.15968	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C2-14	89.15968	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C2-14	89.15968	86737	< 330.	UG/KG	4/28/90	Fluorene
85C2-14	89.15968	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C2-14	89.15968	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C2-14	89.15968	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C2-14	89.15968	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C2-14	89.15968	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C2-14	89.15968	78591	< 330.	UG/KG	4/28/90	Isophorone
85C2-14	89.15968	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C2-14	89.15968	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C2-14	89.15968	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C2-14	89.15968	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C2-14	89.15968	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C2-14	89.15968	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C2-14	89.15968	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C2-14	89.15968	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C2-14	89.15968	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C2-14	89.15968	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C2-14	89.15968	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C2-14	89.15968	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C2-14	89.15968	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C2-14	89.15968	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C2-14	89.15968	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C2-14	89.15968	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C2-14	89.15968	108952	< 330.	UG/KG	4/28/90	Phenol
85C2-14	89.15968	129000	< 330.	UG/KG	4/28/90	Pyrene
85C2-14	89.15968	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C2-14	89.15968	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C2-14	89.15968	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C2-14	89.15968	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-15	89.15969	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C2-15	89.15969	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C2-15	89.15969	62533	< 330.		UG/KG	4/28/90		Aniline
85C2-15	89.15969	120127	< 330.		UG/KG	4/28/90		Anthracene
85C2-15	89.15969	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C2-15	89.15969	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C2-15	89.15969	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C2-15	89.15969	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C2-15	89.15969	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C2-15	89.15969	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C2-15	89.15969	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C2-15	89.15969	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C2-15	89.15969	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C2-15	89.15969	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C2-15	89.15969	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C2-15	89.15969	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C2-15	89.15969	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C2-15	89.15969	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C2-15	89.15969	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C2-15	89.15969	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C2-15	89.15969	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C2-15	89.15969	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C2-15	89.15969	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C2-15	89.15969	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C2-15	89.15969	218019	< 330.		UG/KG	4/28/90		Chrysene

85C2-15	89.15969	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C2-15	89.15969	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C2-15	89.15969	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C2-15	89.15969	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C2-15	89.15969	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C2-15	89.15969	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C2-15	89.15969	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C2-15	89.15969	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C2-15	89.15969	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C2-15	89.15969	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C2-15	89.15969	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C2-15	89.15969	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C2-15	89.15969	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C2-15	89.15969	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C2-15	89.15969	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C2-15	89.15969	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C2-15	89.15969	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C2-15	89.15969	86737	< 330.	UG/KG	4/28/90	Fluorene
85C2-15	89.15969	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C2-15	89.15969	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C2-15	89.15969	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C2-15	89.15969	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C2-15	89.15969	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C2-15	89.15969	78591	< 330.	UG/KG	4/28/90	Isophorone
85C2-15	89.15969	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C2-15	89.15969	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C2-15	89.15969	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C2-15	89.15969	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C2-15	89.15969	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C2-15	89.15969	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C2-15	89.15969	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C2-15	89.15969	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C2-15	89.15969	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C2-15	89.15969	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C2-15	89.15969	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C2-15	89.15969	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C2-15	89.15969	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C2-15	89.15969	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C2-15	89.15969	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C2-15	89.15969	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C2-15	89.15969	108952	< 330.	UG/KG	4/28/90	Phenol
85C2-15	89.15969	129000	< 330.	UG/KG	4/28/90	Pyrene
85C2-15	89.15969	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C2-15	89.15969	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C2-15	89.15969	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C2-15	89.15969	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-16	89.15970	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C2-16	89.15970	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C2-16	89.15970	62533	< 330.		UG/KG	4/28/90		Aniline
85C2-16	89.15970	120127	< 330.		UG/KG	4/28/90		Anthracene
85C2-16	89.15970	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C2-16	89.15970	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C2-16	89.15970	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C2-16	89.15970	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C2-16	89.15970	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C2-16	89.15970	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C2-16	89.15970	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C2-16	89.15970	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C2-16	89.15970	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C2-16	89.15970	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C2-16	89.15970	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C2-16	89.15970	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C2-16	89.15970	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C2-16	89.15970	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C2-16	89.15970	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C2-16	89.15970	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C2-16	89.15970	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C2-16	89.15970	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C2-16	89.15970	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C2-16	89.15970	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C2-16	89.15970	218019	< 330.		UG/KG	4/28/90		Chrysene

85C2-16	89.15970	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C2-16	89.15970	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C2-16	89.15970	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C2-16	89.15970	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C2-16	89.15970	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C2-16	89.15970	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C2-16	89.15970	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C2-16	89.15970	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C2-16	89.15970	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C2-16	89.15970	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C2-16	89.15970	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C2-16	89.15970	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C2-16	89.15970	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C2-16	89.15970	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C2-16	89.15970	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C2-16	89.15970	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C2-16	89.15970	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C2-16	89.15970	86737	< 330.	UG/KG	4/28/90	Fluorene
85C2-16	89.15970	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C2-16	89.15970	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C2-16	89.15970	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C2-16	89.15970	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C2-16	89.15970	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C2-16	89.15970	78591	< 330.	UG/KG	4/28/90	Isophorone
85C2-16	89.15970	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C2-16	89.15970	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C2-16	89.15970	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C2-16	89.15970	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C2-16	89.15970	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C2-16	89.15970	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C2-16	89.15970	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C2-16	89.15970	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C2-16	89.15970	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C2-16	89.15970	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C2-16	89.15970	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C2-16	89.15970	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C2-16	89.15970	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C2-16	89.15970	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C2-16	89.15970	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C2-16	89.15970	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C2-16	89.15970	108952	< 330.	UG/KG	4/28/90	Phenol
85C2-16	89.15970	129000	< 330.	UG/KG	4/28/90	Pyrene
85C2-16	89.15970	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C2-16	89.15970	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C2-16	89.15970	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C2-16	89.15970	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-17	89.15971	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C2-17	89.15971	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C2-17	89.15971	62533	< 330.		UG/KG	4/28/90		Aniline
85C2-17	89.15971	120127	< 330.		UG/KG	4/28/90		Anthracene
85C2-17	89.15971	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C2-17	89.15971	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C2-17	89.15971	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C2-17	89.15971	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C2-17	89.15971	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C2-17	89.15971	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C2-17	89.15971	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C2-17	89.15971	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C2-17	89.15971	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C2-17	89.15971	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C2-17	89.15971	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C2-17	89.15971	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C2-17	89.15971	117817	880.	264.	UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C2-17	89.15971	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C2-17	89.15971	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C2-17	89.15971	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C2-17	89.15971	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C2-17	89.15971	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C2-17	89.15971	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C2-17	89.15971	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C2-17	89.15971	218019	< 330.		UG/KG	4/28/90		Chrysene

85C2-17	89.15971	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C2-17	89.15971	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C2-17	89.15971	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C2-17	89.15971	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C2-17	89.15971	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C2-17	89.15971	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C2-17	89.15971	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C2-17	89.15971	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C2-17	89.15971	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C2-17	89.15971	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C2-17	89.15971	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C2-17	89.15971	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C2-17	89.15971	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C2-17	89.15971	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C2-17	89.15971	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C2-17	89.15971	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C2-17	89.15971	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C2-17	89.15971	86737	< 330.	UG/KG	4/28/90	Fluorene
85C2-17	89.15971	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C2-17	89.15971	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C2-17	89.15971	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C2-17	89.15971	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C2-17	89.15971	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C2-17	89.15971	78591	< 330.	UG/KG	4/28/90	Isophorone
85C2-17	89.15971	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C2-17	89.15971	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C2-17	89.15971	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C2-17	89.15971	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C2-17	89.15971	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C2-17	89.15971	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C2-17	89.15971	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C2-17	89.15971	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C2-17	89.15971	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C2-17	89.15971	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C2-17	89.15971	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C2-17	89.15971	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C2-17	89.15971	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C2-17	89.15971	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C2-17	89.15971	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C2-17	89.15971	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C2-17	89.15971	108952	< 330.	UG/KG	4/28/90	Phenol
85C2-17	89.15971	129000	< 330.	UG/KG	4/28/90	Pyrene
85C2-17	89.15971	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C2-17	89.15971	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C2-17	89.15971	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C2-17	89.15971	105679	< 330.	UG/KG	4/20/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C2-18	89.15972	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C2-18	89.15972	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C2-18	89.15972	62533	< 330.		UG/KG	4/28/90		Aniline
85C2-18	89.15972	120127	< 330.		UG/KG	4/28/90		Anthracene
85C2-18	89.15972	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C2-18	89.15972	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C2-18	89.15972	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C2-18	89.15972	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C2-18	89.15972	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C2-18	89.15972	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C2-18	89.15972	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C2-18	89.15972	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C2-18	89.15972	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C2-18	89.15972	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C2-18	89.15972	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C2-18	89.15972	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C2-18	89.15972	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C2-18	89.15972	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C2-18	89.15972	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C2-18	89.15972	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C2-18	89.15972	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C2-18	89.15972	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C2-18	89.15972	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C2-18	89.15972	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C2-18	89.15972	218019	< 330.		UG/KG	4/28/90		Chrysene

85C2-18	89.15972	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C2-18	89.15972	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C2-18	89.15972	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C2-18	89.15972	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C2-18	89.15972	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C2-18	89.15972	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C2-18	89.15972	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C2-18	89.15972	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C2-18	89.15972	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C2-18	89.15972	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C2-18	89.15972	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C2-18	89.15972	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C2-18	89.15972	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C2-18	89.15972	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C2-18	89.15972	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C2-18	89.15972	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C2-18	89.15972	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C2-18	89.15972	86737	< 330.	UG/KG	4/28/90	Fluorene
85C2-18	89.15972	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C2-18	89.15972	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C2-18	89.15972	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C2-18	89.15972	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C2-18	89.15972	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C2-18	89.15972	78591	< 330.	UG/KG	4/28/90	Isophorone
85C2-18	89.15972	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C2-18	89.15972	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C2-18	89.15972	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C2-18	89.15972	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C2-18	89.15972	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C2-18	89.15972	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C2-18	89.15972	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C2-18	89.15972	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C2-18	89.15972	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C2-18	89.15972	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C2-18	89.15972	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C2-18	89.15972	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C2-18	89.15972	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C2-18	89.15972	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C2-18	89.15972	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C2-18	89.15972	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C2-18	89.15972	108952	< 330.	UG/KG	4/28/90	Phenol
85C2-18	89.15972	129000	< 330.	UG/KG	4/28/90	Pyrene
85C2-18	89.15972	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C2-18	89.15972	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C2-18	89.15972	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C2-18	89.15972	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-19	89.15973	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C3-19	89.15973	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C3-19	89.15973	62533	< 330.		UG/KG	4/28/90		Aniline
85C3-19	89.15973	120127	< 330.		UG/KG	4/28/90		Anthracene
85C3-19	89.15973	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C3-19	89.15973	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C3-19	89.15973	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C3-19	89.15973	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C3-19	89.15973	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C3-19	89.15973	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C3-19	89.15973	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C3-19	89.15973	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C3-19	89.15973	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C3-19	89.15973	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C3-19	89.15973	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C3-19	89.15973	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C3-19	89.15973	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C3-19	89.15973	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C3-19	89.15973	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C3-19	89.15973	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C3-19	89.15973	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C3-19	89.15973	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C3-19	89.15973	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C3-19	89.15973	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C3-19	89.15973	218019	< 330.		UG/KG	4/28/90		Chrysene

85C3-19	89.15973	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C3-19	89.15973	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C3-19	89.15973	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C3-19	89.15973	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C3-19	89.15973	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C3-19	89.15973	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C3-19	89.15973	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C3-19	89.15973	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C3-19	89.15973	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C3-19	89.15973	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C3-19	89.15973	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C3-19	89.15973	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C3-19	89.15973	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C3-19	89.15973	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C3-19	89.15973	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C3-19	89.15973	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C3-19	89.15973	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C3-19	89.15973	86737	< 330.	UG/KG	4/28/90	Fluorene
85C3-19	89.15973	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C3-19	89.15973	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C3-19	89.15973	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C3-19	89.15973	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C3-19	89.15973	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C3-19	89.15973	78591	< 330.	UG/KG	4/28/90	Isophorone
85C3-19	89.15973	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C3-19	89.15973	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C3-19	89.15973	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C3-19	89.15973	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C3-19	89.15973	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C3-19	89.15973	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C3-19	89.15973	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C3-19	89.15973	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C3-19	89.15973	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C3-19	89.15973	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C3-19	89.15973	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C3-19	89.15973	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C3-19	89.15973	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C3-19	89.15973	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C3-19	89.15973	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C3-19	89.15973	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C3-19	89.15973	108952	< 330.	UG/KG	4/28/90	Phenol
85C3-19	89.15973	129000	< 330.	UG/KG	4/28/90	Pyrene
85C3-19	89.15973	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C3-19	89.15973	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C3-19	89.15973	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C3-19	89.15973	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-20	89.15974	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C3-20	89.15974	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C3-20	89.15974	62533	< 330.		UG/KG	4/28/90		Aniline
85C3-20	89.15974	120127	< 330.		UG/KG	4/28/90		Anthracene
85C3-20	89.15974	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C3-20	89.15974	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C3-20	89.15974	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C3-20	89.15974	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C3-20	89.15974	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C3-20	89.15974	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C3-20	89.15974	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C3-20	89.15974	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C3-20	89.15974	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C3-20	89.15974	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C3-20	89.15974	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C3-20	89.15974	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C3-20	89.15974	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C3-20	89.15974	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C3-20	89.15974	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C3-20	89.15974	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C3-20	89.15974	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C3-20	89.15974	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C3-20	89.15974	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C3-20	89.15974	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C3-20	89.15974	218019	< 330.		UG/KG	4/28/90		Chrysene

85C3-20	89.15974	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C3-20	89.15974	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C3-20	89.15974	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C3-20	89.15974	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C3-20	89.15974	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C3-20	89.15974	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C3-20	89.15974	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C3-20	89.15974	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C3-20	89.15974	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C3-20	89.15974	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C3-20	89.15974	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C3-20	89.15974	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C3-20	89.15974	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C3-20	89.15974	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C3-20	89.15974	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C3-20	89.15974	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C3-20	89.15974	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C3-20	89.15974	86737	< 330.	UG/KG	4/28/90	Fluorene
85C3-20	89.15974	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C3-20	89.15974	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C3-20	89.15974	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C3-20	89.15974	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C3-20	89.15974	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C3-20	89.15974	78591	< 330.	UG/KG	4/28/90	Isophorone
85C3-20	89.15974	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C3-20	89.15974	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C3-20	89.15974	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C3-20	89.15974	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C3-20	89.15974	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C3-20	89.15974	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C3-20	89.15974	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C3-20	89.15974	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C3-20	89.15974	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C3-20	89.15974	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C3-20	89.15974	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C3-20	89.15974	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C3-20	89.15974	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C3-20	89.15974	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C3-20	89.15974	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C3-20	89.15974	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C3-20	89.15974	108952	< 330.	UG/KG	4/28/90	Phenol
85C3-20	89.15974	129000	< 330.	UG/KG	4/28/90	Pyrene
85C3-20	89.15974	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C3-20	89.15974	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C3-20	89.15974	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C3-20	89.15974	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-21	89.15975	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C3-21	89.15975	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C3-21	89.15975	62533	< 330.		UG/KG	4/28/90		Aniline
85C3-21	89.15975	120127	< 330.		UG/KG	4/28/90		Anthracene
85C3-21	89.15975	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C3-21	89.15975	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C3-21	89.15975	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C3-21	89.15975	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C3-21	89.15975	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C3-21	89.15975	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C3-21	89.15975	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C3-21	89.15975	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C3-21	89.15975	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C3-21	89.15975	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C3-21	89.15975	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C3-21	89.15975	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C3-21	89.15975	117817	< 330.		UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C3-21	89.15975	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C3-21	89.15975	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C3-21	89.15975	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C3-21	89.15975	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C3-21	89.15975	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C3-21	89.15975	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C3-21	89.15975	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C3-21	89.15975	218019	< 330.		UG/KG	4/28/90		Chrysene

85C3-21	89.15975	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C3-21	89.15975	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C3-21	89.15975	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C3-21	89.15975	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C3-21	89.15975	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C3-21	89.15975	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C3-21	89.15975	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C3-21	89.15975	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C3-21	89.15975	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C3-21	89.15975	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C3-21	89.15975	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C3-21	89.15975	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C3-21	89.15975	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C3-21	89.15975	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C3-21	89.15975	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C3-21	89.15975	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C3-21	89.15975	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C3-21	89.15975	86737	< 330.	UG/KG	4/28/90	Fluorene
85C3-21	89.15975	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C3-21	89.15975	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C3-21	89.15975	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C3-21	89.15975	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C3-21	89.15975	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C3-21	89.15975	78591	< 330.	UG/KG	4/28/90	Isophorone
85C3-21	89.15975	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C3-21	89.15975	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C3-21	89.15975	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C3-21	89.15975	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C3-21	89.15975	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C3-21	89.15975	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C3-21	89.15975	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C3-21	89.15975	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C3-21	89.15975	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C3-21	89.15975	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C3-21	89.15975	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C3-21	89.15975	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C3-21	89.15975	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C3-21	89.15975	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C3-21	89.15975	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C3-21	89.15975	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C3-21	89.15975	108952	< 330.	UG/KG	4/28/90	Phenol
85C3-21	89.15975	129000	< 330.	UG/KG	4/28/90	Pyrene
85C3-21	89.15975	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C3-21	89.15975	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C3-21	89.15975	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C3-21	89.15975	105679	< 330.	UG/KG	4/26/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-22	89.15976	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C3-22	89.15976	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C3-22	89.15976	62533	< 330.		UG/KG	4/28/90		Aniline
85C3-22	89.15976	120127	< 330.		UG/KG	4/28/90		Anthracene
85C3-22	89.15976	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C3-22	89.15976	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C3-22	89.15976	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C3-22	89.15976	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C3-22	89.15976	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C3-22	89.15976	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C3-22	89.15976	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C3-22	89.15976	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C3-22	89.15976	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C3-22	89.15976	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C3-22	89.15976	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C3-22	89.15976	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C3-22	89.15976	117817	790.	237.	UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C3-22	89.15976	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C3-22	89.15976	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C3-22	89.15976	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C3-22	89.15976	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C3-22	89.15976	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C3-22	89.15976	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C3-22	89.15976	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C3-22	89.15976	218019	< 330.		UG/KG	4/28/90		Chrysene

85C3-22	89.15976	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C3-22	89.15976	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C3-22	89.15976	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C3-22	89.15976	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C3-22	89.15976	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C3-22	89.15976	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C3-22	89.15976	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C3-22	89.15976	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C3-22	89.15976	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C3-22	89.15976	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C3-22	89.15976	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C3-22	89.15976	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C3-22	89.15976	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C3-22	89.15976	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C3-22	89.15976	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C3-22	89.15976	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C3-22	89.15976	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C3-22	89.15976	86737	< 330.	UG/KG	4/28/90	Fluorene
85C3-22	89.15976	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C3-22	89.15976	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C3-22	89.15976	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C3-22	89.15976	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C3-22	89.15976	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C3-22	89.15976	78591	< 330.	UG/KG	4/28/90	Isophorone
85C3-22	89.15976	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C3-22	89.15976	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C3-22	89.15976	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C3-22	89.15976	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C3-22	89.15976	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C3-22	89.15976	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C3-22	89.15976	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C3-22	89.15976	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C3-22	89.15976	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C3-22	89.15976	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C3-22	89.15976	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C3-22	89.15976	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C3-22	89.15976	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C3-22	89.15976	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C3-22	89.15976	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C3-22	89.15976	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C3-22	89.15976	108952	< 330.	UG/KG	4/28/90	Phenol
85C3-22	89.15976	129000	< 330.	UG/KG	4/28/90	Pyrene
85C3-22	89.15976	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C3-22	89.15976	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C3-22	89.15976	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C3-22	89.15976	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-23	89.15977	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C3-23	89.15977	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C3-23	89.15977	62533	< 330.		UG/KG	4/28/90		Aniline
85C3-23	89.15977	120127	< 330.		UG/KG	4/28/90		Anthracene
85C3-23	89.15977	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C3-23	89.15977	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C3-23	89.15977	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C3-23	89.15977	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C3-23	89.15977	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C3-23	89.15977	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C3-23	89.15977	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C3-23	89.15977	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C3-23	89.15977	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C3-23	89.15977	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C3-23	89.15977	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C3-23	89.15977	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C3-23	89.15977	117817	2100.	630.	UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C3-23	89.15977	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C3-23	89.15977	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C3-23	89.15977	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C3-23	89.15977	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C3-23	89.15977	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C3-23	89.15977	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C3-23	89.15977	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C3-23	89.15977	218019	< 330.		UG/KG	4/28/90		Chrysene

85C3-23	89.15977	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C3-23	89.15977	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C3-23	89.15977	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C3-23	89.15977	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C3-23	89.15977	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C3-23	89.15977	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C3-23	89.15977	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C3-23	89.15977	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C3-23	89.15977	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C3-23	89.15977	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C3-23	89.15977	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C3-23	89.15977	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C3-23	89.15977	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C3-23	89.15977	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C3-23	89.15977	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C3-23	89.15977	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C3-23	89.15977	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C3-23	89.15977	86737	< 330.	UG/KG	4/28/90	Fluorene
85C3-23	89.15977	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C3-23	89.15977	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C3-23	89.15977	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C3-23	89.15977	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C3-23	89.15977	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C3-23	89.15977	78591	< 330.	UG/KG	4/28/90	Isophorone
85C3-23	89.15977	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C3-23	89.15977	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C3-23	89.15977	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C3-23	89.15977	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C3-23	89.15977	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C3-23	89.15977	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C3-23	89.15977	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C3-23	89.15977	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C3-23	89.15977	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C3-23	89.15977	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C3-23	89.15977	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C3-23	89.15977	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C3-23	89.15977	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C3-23	89.15977	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C3-23	89.15977	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C3-23	89.15977	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C3-23	89.15977	108952	< 330.	UG/KG	4/28/90	Phenol
85C3-23	89.15977	129000	< 330.	UG/KG	4/28/90	Pyrene
85C3-23	89.15977	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C3-23	89.15977	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C3-23	89.15977	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C3-23	89.15977	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

REPORT NUMBER: 6408

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

CUSTOMER NUMBER	SAMPLE NUMBER	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85C3-24	89.15978	83329	< 330.		UG/KG	4/28/90		Acenaphthene
85C3-24	89.15978	208968	< 330.		UG/KG	4/28/90		Acenaphthylene
85C3-24	89.15978	62533	< 330.		UG/KG	4/28/90		Aniline
85C3-24	89.15978	120127	< 330.		UG/KG	4/28/90		Anthracene
85C3-24	89.15978	103333	< 330.		UG/KG	4/28/90		Azobenzene
85C3-24	89.15978	56553	< 330.		UG/KG	4/28/90		Benz(a)anthracene
85C3-24	89.15978	92875	< 330.		UG/KG	4/28/90		m-Benzidine
85C3-24	89.15978	191242	< 330.		UG/KG	4/28/90		Benzo(g,h,i)perylene
85C3-24	89.15978	50328	< 330.		UG/KG	4/28/90		Benzo-a-pyrene
85C3-24	89.15978	205992	< 330.		UG/KG	4/28/90		Benzo-b-fluoranthene
85C3-24	89.15978	207089	< 330.		UG/KG	4/28/90		Benzo-k-fluoranthene
85C3-24	89.15978	65850	< 330.		UG/KG	4/28/90		Benzoic acid
85C3-24	89.15978	100516	< 330.		UG/KG	4/28/90		Benzyl alcohol
85C3-24	89.15978	111911	< 330.		UG/KG	4/28/90		Bis(2-chloroethoxy)methane
85C3-24	89.15978	111444	< 330.		UG/KG	4/28/90		Bis(2-chloroethyl)ether
85C3-24	89.15978	108601	< 330.		UG/KG	4/28/90		Bis(2-chloroisopropyl)ether
85C3-24	89.15978	117817	400.	120.	UG/KG	4/28/90		Bis(2-ethylhexyl)phthalate
85C3-24	89.15978	101553	< 330.		UG/KG	4/28/90		4-Bromophenylphenyl ether
85C3-24	89.15978	85687	< 330.		UG/KG	4/28/90		Butylbenzyl phthalate
85C3-24	89.15978	59507	< 330.		UG/KG	4/28/90		4-Chloro-3-methylphenol
85C3-24	89.15978	106478	< 330.		UG/KG	4/28/90		4-Chloroaniline
85C3-24	89.15978	91587	< 330.		UG/KG	4/28/90		2-Chloronaphthalene
85C3-24	89.15978	95578	< 330.		UG/KG	4/28/90		o-Chlorophenol
85C3-24	89.15978	7005723	< 330.		UG/KG	4/28/90		4-Chlorophenylphenyl ether
85C3-24	89.15978	218019	< 330.		UG/KG	4/28/90		Chrysene

85C3-24	89.15978	106445	< 330.	UG/KG	4/28/90	p-Cresol
85C3-24	89.15978	84742	< 330.	UG/KG	4/28/90	Di-n-butyl phthalate
85C3-24	89.15978	117840	< 330.	UG/KG	4/28/90	Di-n-octyl phthalate
85C3-24	89.15978	53703	< 330.	UG/KG	4/28/90	Dibenzo(a,h)anthracene
85C3-24	89.15978	132649	< 330.	UG/KG	4/28/90	Dibenzofuran
85C3-24	89.15978	95501	< 330.	UG/KG	4/28/90	o-Dichlorobenzene (1,2)
85C3-24	89.15978	541731	< 330.	UG/KG	4/28/90	m-Dichlorobenzene (1,3)
85C3-24	89.15978	106467	< 330.	UG/KG	4/28/90	p-Dichlorobenzene (1,4)
85C3-24	89.15978	91941	< 330.	UG/KG	4/28/90	3,3'-Dichlorobenzidine
85C3-24	89.15978	120832	< 330.	UG/KG	4/28/90	2,4-Dichlorophenol
85C3-24	89.15978	84662	< 330.	UG/KG	4/28/90	Diethyl phthalate
85C3-24	89.15978	131113	< 330.	UG/KG	4/28/90	Dimethyl phthalate
85C3-24	89.15978	105679	< 330.	UG/KG	4/28/90	2,4-Dimethylphenol
85C3-24	89.15978	51285	< 330.	UG/KG	4/28/90	2,4-Dinitrophenol
85C3-24	89.15978	121142	< 330.	UG/KG	4/28/90	2,4-Dinitrotoluene
85C3-24	89.15978	606202	< 330.	UG/KG	4/28/90	2,6-Dinitrotoluene
85C3-24	89.15978	206440	< 330.	UG/KG	4/28/90	Fluoranthene
85C3-24	89.15978	86737	< 330.	UG/KG	4/28/90	Fluorene
85C3-24	89.15978	118741	< 330.	UG/KG	4/28/90	Hexachlorobenzene
85C3-24	89.15978	87683	< 330.	UG/KG	4/28/90	Hexachlorobutadiene
85C3-24	89.15978	77474	< 330.	UG/KG	4/28/90	Hexachlorocyclopentadiene
85C3-24	89.15978	67721	< 330.	UG/KG	4/28/90	Hexachloroethane
85C3-24	89.15978	193395	< 330.	UG/KG	4/28/90	Indeno(1,2,3-cd)pyrene
85C3-24	89.15978	78591	< 330.	UG/KG	4/28/90	Isophorone
85C3-24	89.15978	534521	< 330.	UG/KG	4/28/90	2-Methyl-4,6-dinitrophenol
85C3-24	89.15978	91576	< 330.	UG/KG	4/28/90	2-Methylnaphthalene
85C3-24	89.15978	95487	< 330.	UG/KG	4/28/90	2-Methylphenol
85C3-24	89.15978	106445	< 330.	UG/KG	4/28/90	4-Methylphenol
85C3-24	89.15978	91203	< 330.	UG/KG	4/28/90	Naphthalene
85C3-24	89.15978	88744	< 330.	UG/KG	4/28/90	2-Nitroaniline
85C3-24	89.15978	99092	< 330.	UG/KG	4/28/90	3-Nitroaniline
85C3-24	89.15978	100016	< 330.	UG/KG	4/28/90	4-Nitroaniline
85C3-24	89.15978	98953	< 330.	UG/KG	4/28/90	Nitrobenzene
85C3-24	89.15978	88755	< 330.	UG/KG	4/28/90	2-Nitrophenol
85C3-24	89.15978	100027	< 330.	UG/KG	4/28/90	4-Nitrophenol
85C3-24	89.15978	621647	< 330.	UG/KG	4/28/90	N-Nitrosodi-n-propylamine
85C3-24	89.15978	62759	< 330.	UG/KG	4/28/90	N-Nitrosodimethylamine
85C3-24	89.15978	86306	< 330.	UG/KG	4/28/90	N-Nitrosodiphenylamine
85C3-24	89.15978	87865	< 330.	UG/KG	4/28/90	Pentachlorophenol
85C3-24	89.15978	85018	< 330.	UG/KG	4/28/90	Phenanthrene
85C3-24	89.15978	108952	< 330.	UG/KG	4/28/90	Phenol
85C3-24	89.15978	129000	< 330.	UG/KG	4/28/90	Pyrene
85C3-24	89.15978	120821	< 330.	UG/KG	4/28/90	1,2,4-Trichlorobenzene
85C3-24	89.15978	95954	< 330.	UG/KG	4/28/90	2,4,5-Trichlorophenol
85C3-24	89.15978	88062	< 330.	UG/KG	4/28/90	2,4,6-Trichlorophenol

85C3-24	89.15978	105679	< 330.	UG/KG	4/28/90	2,4-Xylenol

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REPORT NUMBER: 6408 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: ESG on 30-Apr-1990

EPA SEMIVOLATILES

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Matthew Monagle PROGRAM CODE: WA45

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721 TASK-ID:

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 No QC samples run with this sample batch.

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

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
89.15955	%	32.	33.	41.	56.	67.	77.	27-Apr-1990
89.15956	%	30.	30.	38.	52.	63.	83.	27-Apr-1990
89.15957	%	42.	43.	53.	61.	68.	81.	28-Apr-1990
89.15958	%	23.	24.	30.	42.	69.	74.	28-Apr-1990

89.15959	%	31.	32.	42.	57.	76.	77.	28-Apr-1990
89.15960	%	40.	39.	48.	52.	64.	79.	28-Apr-1990
89.15961	%	35.	32.	41.	57.	71.	76.	28-Apr-1990
89.15962	%	13.	27.	24.	38.	51.	89.	28-Apr-1990
89.15963	%	39.	40.	50.	55.	69.	84.	28-Apr-1990
89.15964	%	39.	37.	48.	53.	72.	84.	28-Apr-1990
89.15965	%	51.	57.	61.	61.	51.	85.	28-Apr-1990
89.15966	%	36.	42.	44.	48.	39.	77.	28-Apr-1990
89.15967	%	37.	40.	42.	42.	47.	90.	28-Apr-1990
89.15968	%	52.	53.	52.	60.	51.	89.	28-Apr-1990
89.15969	%	47.	47.	45.	60.	46.	86.	28-Apr-1990
89.15970	%	35.	34.	41.	46.	75.	83.	28-Apr-1990
89.15971	%	52.	53.	52.	60.	51.	89.	28-Apr-1990
89.15972	%	49.	52.	56.	59.	57.	83.	28-Apr-1990
89.15973	%	56.	59.	62.	68.	72.	87.	28-Apr-1990
89.15974	%	47.	51.	54.	59.	62.	89.	28-Apr-1990
89.15975	%	42.	44.	48.	52.	61.	88.	28-Apr-1990
89.15976	%	39.	43.	42.	45.	60.	81.	28-Apr-1990
89.15977	%	40.	39.	38.	49.	44.	95.	28-Apr-1990
89.15978	%	47.	49.	53.	53.	51.	93.	28-Apr-1990

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

Analyst	~~Section Leader~~	QA Officer
5/1/90	5/1/90	5/3/90
Date	Date	Date

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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POLYCHLORINATED BIPHENYL ANALYSES

October 12, 1989

Steve,

Attached you will find copies of the **final** reports for the soil samples that you submitted for PCB analysis under Requests 7968 & 7969. If you have any questions regarding these results, please do not hesitate to contact me at 7-5889 or stop by my office (TA-59, OH-1, Room 115) at your convenience. Thank you for your continued support of our PCB analysis programs.

Chuck Rzeszutko

Organic Section Leader

HSE-9

#7968 ⇒ TSL-15
Fine for verification

#7969 ⇒ TSL-15
[illegible]

REPORT NUMBER: 4267

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: DMS on 5-Oct-1989

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Dee Seitz

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-1	89.15955	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-2	89.15956	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-3	89.15957	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-4	89.15958	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-5	89.15959	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-6	89.15960	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-7	89.15961	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-8	89.15962	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-2-9	89.15963	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-2-10	89.15964	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-2-11	89.15965	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-2-12	89.15966	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-13	89.15967	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-14	89.15968	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-15	89.15969	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-16	89.15970	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-17	89.15971	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C2-18	89.15972	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C3-19	89.15973	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C3-20	89.15974	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85C3-21	89.15975	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor

85C3-22	89.15976	1336363	< 0.1		UG/G	10/04/89	Mixed-Aroclor
85C3-23	89.15977	1336363	< 0.1		UG/G	10/04/89	Mixed-Aroclor
85C3-24	89.15978	1336363	< 0.1		UG/G	10/04/89	Mixed-Aroclor
85C4-2	89.16078	1336363	< 0.1		UG/G	10/05/89	Mixed-Aroclor
85C4-9	89.16079	1336363	< 0.1		UG/G	10/05/89	Mixed-Aroclor
85C4-10	89.16080	1336363	< 0.1		UG/G	10/05/89	Mixed-Aroclor

DETAILED PCB DATA for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
85-C-1-1	89.15955	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-1	89.15955	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-1	89.15955	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-1	89.15955	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-2	89.15956	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-2	89.15956	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-2	89.15956	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-2	89.15956	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-3	89.15957	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-3	89.15957	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-3	89.15957	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-3	89.15957	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-4	89.15958	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-4	89.15958	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-4	89.15958	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-4	89.15958	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-5	89.15959	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-5	89.15959	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-5	89.15959	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-5	89.15959	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-6	89.15960	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-6	89.15960	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-6	89.15960	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-6	89.15960	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-7	89.15961	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-7	89.15961	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-7	89.15961	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-7	89.15961	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260
85-C-1-8	89.15962	1336363	< 0.1		UG/G	10/04/89		Mixed-Aroclor
85-C-1-8	89.15962	53469219	< 0.1		UG/G	10/04/89		Aroclor 1242
85-C-1-8	89.15962	11097691	< 0.1		UG/G	10/04/89		Aroclor 1254
85-C-1-8	89.15962	11096825	< 0.1		UG/G	10/04/89		Aroclor 1260

85-C-2-9	89.15963	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85-C-2-9	89.15963	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85-C-2-9	89.15963	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85-C-2-9	89.15963	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85-C-2-10	89.15964	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85-C-2-10	89.15964	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85-C-2-10	89.15964	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85-C-2-10	89.15964	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85-C-2-11	89.15965	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85-C-2-11	89.15965	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85-C-2-11	89.15965	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85-C-2-11	89.15965	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85-C-2-12	89.15966	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85-C-2-12	89.15966	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85-C-2-12	89.15966	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85-C-2-12	89.15966	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-13	89.15967	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-13	89.15967	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-13	89.15967	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-13	89.15967	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-14	89.15968	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-14	89.15968	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-14	89.15968	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-14	89.15968	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-15	89.15969	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-15	89.15969	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-15	89.15969	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-15	89.15969	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-16	89.15970	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-16	89.15970	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-16	89.15970	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-16	89.15970	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-17	89.15971	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-17	89.15971	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-17	89.15971	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-17	89.15971	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C2-18	89.15972	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C2-18	89.15972	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C2-18	89.15972	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C2-18	89.15972	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-19	89.15973	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-19	89.15973	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-19	89.15973	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-19	89.15973	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-20	89.15974	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor

85C3-2	89.15974	53469219	< 0.1	UG/G	04/89	Aroclor 1242
85C3-20	89.15974	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-20	89.15974	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-21	89.15975	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-21	89.15975	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-21	89.15975	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-21	89.15975	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-22	89.15976	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-22	89.15976	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-22	89.15976	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-22	89.15976	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-23	89.15977	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-23	89.15977	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-23	89.15977	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-23	89.15977	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C3-24	89.15978	1336363	< 0.1	UG/G	10/04/89	Mixed-Aroclor
85C3-24	89.15978	53469219	< 0.1	UG/G	10/04/89	Aroclor 1242
85C3-24	89.15978	11097691	< 0.1	UG/G	10/04/89	Aroclor 1254
85C3-24	89.15978	11096825	< 0.1	UG/G	10/04/89	Aroclor 1260
85C4-2	89.16078	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85C4-2	89.16078	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85C4-2	89.16078	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85C4-2	89.16078	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85C4-9	89.16079	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85C4-9	89.16079	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85C4-9	89.16079	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85C4-9	89.16079	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260
85C4-10	89.16080	1336363	< 0.1	UG/G	10/05/89	Mixed-Aroclor
85C4-10	89.16080	53469219	< 0.1	UG/G	10/05/89	Aroclor 1242
85C4-10	89.16080	11097691	< 0.1	UG/G	10/05/89	Aroclor 1254
85C4-10	89.16080	11096825	< 0.1	UG/G	10/05/89	Aroclor 1260

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REPORT NUMBER: 4267 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT **********

Prepared by: DMS on 5-Oct-1989

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 7969 MATRIX: SS ANALYST: Dee Seitz

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT	COMPOUND
00.20070	00.20070	1336363	19.	3.8	UG/G	25.	2.	10/05/89	UNDER CONTROL	Mixed-Aroclor
00.20070	00.20070	53469219	< 0.1		UG/G			10/05/89	UNDER CONTROL	Aroclor 1242
00.20070	00.20070	11097691	< 0.1		UG/G			10/05/89	UNDER CONTROL	Aroclor 1254
00.20070	00.20070	11096825	19.	3.8	UG/G	25.	2.	10/05/89	UNDER CONTROL	Aroclor 1260

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

SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND-NAME
89.16148	1336363	6.75	1.4	UG/G	10/05/89	UNDER CONTROL	Mixed-Aroclor
89.16148	53469219	< 0.1		UG/G	10/05/89	UNDER CONTROL	Aroclor 1242
89.16148	11097691	< 0.1		UG/G	10/05/89	UNDER CONTROL	Aroclor 1254
89.16148	11096825	6.75	1.4	UG/G	10/05/89	UNDER CONTROL	Aroclor 1260

METAL ANALYSES

HSE-9 ANALYTICAL SERVICE AGREEMENT

Request No. 7969

I. PRESAMPLING CONFERENCE

Program Code W57 R

No. Samples Expected 24ea soil } VOC SVOC PCB metals - see below

Submission Date 9-23-89

Completion Date

Chain of Custody? Yes

Special Protocol? *(EPA etc.)* EPA-EPTOX

Analyses Requested: List analyses on HSE-9 Analytical Chemistry Request Sheet. VOA's Semi VOA's PCB's metals
(Indicate expected concentration range and required detection limits under remarks.)

Container Type Glass/Teflon Preservative None - Chill to 4°C
(See Memo HSE-9/88-304. Guidelines for Collection and Preservation of Liquid Samples.)

Storage Conditions *(circle one or more)*: None Refrigerate Freeze Darkness

Sample Hazards Present? *(Circle one or more)*
~~No hazard~~ Toxic Radioactive: alpha beta gamma Flammable Explosive/Reactive

Sample Disposal: Return Discard ✓ only if no RCRA compounds
(All hazardous samples or TRU wastes will be returned to the customer.)

Customer S.G. McLin HSE-9 Section Leader [signature] Organic
Customer Phone 5-1721 MS K490 [signature] Inorganic
Date 9/18/89 Radiochem

Metals:
1. EP toxic metals
2. Total metals for 12 ea (see below)

II. EMERGENCY SAMPLES

Emergency Status **requires** the following signatures:

Customer Group Leader
HSE-9 Group Leader
Date

III. SAMPLE RECEIPT

Signature Elizabeth A. Jones Date 9/25/89 Total No. Samples Received 24 x 4 + 12 blanks

HSE-9 Sample No. Range 89.15955 to 89.15978.

Customer Sample No. Range 85-C-1-1 to 85C4-12.

TOTAL METALS:

1. Antimony
2. Arsenic
3. Barium
4. [illegible]
5. Cadmium
6. Chromium
7. Lead
8. [illegible]
9. Nickel
10. Selenium
11. Silver
12. Thallium

3-8-89 Set A = Volatiles
Set B = SVOA
Set C = PCB
Set D = Metals

REPORT NUMBER: 4652

EP tox metals

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: CB on 6-Nov-1989

REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Trudi Foreman

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85-C-1-1	89.15955	AG	0.006	0.003	MG/L	10/27/89	EPTOX
85-C-1-1	89.15955	AG	0.009	0.003	MG/L	10/26/89	EPTOX
85-C-1-1	89.15955	AS	< 2.		UG/L	10/26/89	EPTOX
85-C-1-1	89.15955	AS	< 2.		UG/L	10/27/89	EPTOX
85-C-1-1	89.15955	PB	< 0.05		MG/L	10/27/89	EPTOX
85-C-1-1	89.15955	PB	< 0.05		MG/L	10/26/89	EPTOX
85-C-1-1	89.15955	SE	< 1.		UG/L	10/26/89	EPTOX
85-C-1-1	89.15955	SE	< 1.		UG/L	10/27/89	EPTOX
85-C-1-2	89.15956	AG	0.007	0.003	MG/L	10/26/89	EPTOX
85-C-1-2	89.15956	AG	< 0.003		MG/L	10/27/89	EPTOX
85-C-1-2	89.15956	AS	< 2.		UG/L	10/27/89	EPTOX
85-C-1-2	89.15956	AS	< 2.		UG/L	10/26/89	EPTOX
85-C-1-2	89.15956	PB	< 0.05		MG/L	10/26/89	EPTOX
85-C-1-2	89.15956	PB	< 0.05		MG/L	10/27/89	EPTOX
85-C-1-2	89.15956	SE	< 1.		UG/L	10/26/89	EPTOX
85-C-1-2	89.15956	SE	< 1.		UG/L	10/27/89	EPTOX
85-C-1-3	89.15957	AG	0.25	0.025	MG/L	10/26/89	EPTOX
85-C-1-3	89.15957	AG	0.26	0.03	MG/L	10/27/89	EPTOX
85-C-1-3	89.15957	AS	32.	3.2	UG/L	10/26/89	EPTOX
85-C-1-3	89.15957	AS	31.	3.1	UG/L	10/27/89	EPTOX
85-C-1-3	89.15957	PB	0.12	0.05	MG/L	10/26/89	EPTOX
85-C-1-3	89.15957	PB	0.095	0.05	MG/L	10/27/89	EPTOX
85-C-1-3	89.15957	SE	30.	3.	UG/L	10/27/89	EPTOX
85-C-1-3	89.15957	SE	34.	3.4	UG/L	10/26/89	EPTOX
85-C-1-4	89.15958	AG	0.22	0.02	MG/L	10/27/89	EPTOX
85-C-1-4	89.15958	AG	0.21	0.021	MG/L	10/26/89	EPTOX
85-C-1-4	89.15958	AS	38.	3.8	UG/L	10/27/89	EPTOX
85-C-1-4	89.15958	AS	34.	3.4	UG/L	10/26/89	EPTOX
85-C-1-4	89.15958	PB	0.13	0.05	MG/L	10/27/89	EPTOX
85-C-1-4	89.15958	PB	0.13	0.05	MG/L	10/26/89	EPTOX
85-C-1-4	89.15958	SE	29.	2.9	UG/L	10/26/89	EPTOX
85-C-1-4	89.15958	SE	29.	2.9	UG/L	10/27/89	EPTOX
85-C-1-5	89.15959	AG	0.038	0.004	MG/L	10/26/89	EPTOX
85-C-1-5	89.15959	AG	0.034	0.003	MG/L	10/27/89	EPTOX
85-C-1-5	89.15959	AS	5.	2.	UG/L	10/27/89	EPTOX
85-C-1-5	89.15959	AS	5.3	2.	UG/L	10/26/89	EPTOX
85-C-1-5	89.15959	PB	< 0.05		MG/L	10/27/89	EPTOX
85-C-1-5	89.15959	PB	< 0.05		MG/L	10/26/89	EPTOX
85-C-1-5	89.15959	SE	4.2	1.	UG/L	10/26/89	EPTOX
85-C-1-5	89.15959	SE	3.5	1.	UG/L	10/27/89	EPTOX

85-C-1-6	89.15960	AG	0.044	0.004	MG/L	10/26/89	EPTOX
85-C-1-6	89.15960	AS	4.9	2.	UG/L	10/26/89	EPTOX
85-C-1-6	89.15960	AS	4.7	2.	UG/L	10/27/89	EPTOX
85-C-1-6	89.15960	PB	< 0.05		MG/L	10/27/89	EPTOX
85-C-1-6	89.15960	PB	< 0.05		MG/L	10/26/89	EPTOX
85-C-1-6	89.15960	SE	3.1	1.	UG/L	10/26/89	EPTOX
85-C-1-6	89.15960	SE	3.7	1.	UG/L	10/27/89	EPTOX
85-C-1-7	89.15961	AG	0.24	0.024	MG/L	10/26/89	EPTOX
85-C-1-7	89.15961	AS	34.	3.4	UG/L	10/26/89	EPTOX
85-C-1-7	89.15961	PB	0.13	0.05	MG/L	10/26/89	EPTOX
85-C-1-7	89.15961	SE	34.	3.4	UG/L	10/26/89	EPTOX
85-C-1-8	89.15962	AG	0.25	0.025	MG/L	10/26/89	EPTOX
85-C-1-8	89.15962	AG	0.26	0.03	MG/L	10/27/89	EPTOX
85-C-1-8	89.15962	AS	33.	3.3	UG/L	10/26/89	EPTOX
85-C-1-8	89.15962	AS	35.	3.5	UG/L	10/27/89	EPTOX
85-C-1-8	89.15962	PB	0.15	0.05	MG/L	10/26/89	EPTOX
85-C-1-8	89.15962	PB	0.13	0.05	MG/L	10/27/89	EPTOX
85-C-1-8	89.15962	SE	29.	2.9	UG/L	10/27/89	EPTOX
85-C-1-8	89.15962	SE	32.	3.2	UG/L	10/26/89	EPTOX
85-C-2-9	89.15963	AG	0.035	0.003	MG/L	10/26/89	EPTOX
85-C-2-9	89.15963	AS	< 2.		UG/L	10/27/89	EPTOX
85-C-2-9	89.15963	AS	5.6	2.	UG/L	10/26/89	EPTOX
85-C-2-9	89.15963	PB	< 0.05		MG/L	10/27/89	EPTOX
85-C-2-9	89.15963	PB	< 0.05		MG/L	10/26/89	EPTOX
85-C-2-9	89.15963	SE	< 1.		UG/L	10/27/89	EPTOX
85-C-2-9	89.15963	SE	3.2	1.	UG/L	10/26/89	EPTOX
85-C-2-10	89.15964	AG	0.25	0.03	MG/L	10/27/89	EPTOX
85-C-2-10	89.15964	AG	0.26	0.026	MG/L	10/26/89	EPTOX
85-C-2-10	89.15964	AS	32.	3.2	UG/L	10/26/89	EPTOX
85-C-2-10	89.15964	AS	32.	3.2	UG/L	10/27/89	EPTOX
85-C-2-10	89.15964	PB	0.11	0.05	MG/L	10/27/89	EPTOX
85-C-2-10	89.15964	PB	0.12	0.05	MG/L	10/26/89	EPTOX
85-C-2-10	89.15964	SE	31.	3.1	UG/L	10/26/89	EPTOX
85-C-2-10	89.15964	SE	27.	2.7	UG/L	10/27/89	EPTOX
85-C-2-11	89.15965	AG	< 0.003		MG/L	10/27/89	EPTOX
85-C-2-11	89.15965	AG	< 0.003		MG/L	10/26/89	EPTOX
85-C-2-11	89.15965	AS	< 2.		UG/L	10/26/89	EPTOX
85-C-2-11	89.15965	AS	< 2.		UG/L	10/27/89	EPTOX
85-C-2-11	89.15965	PB	< 0.05		MG/L	10/27/89	EPTOX
85-C-2-11	89.15965	PB	< 0.05		MG/L	10/26/89	EPTOX
85-C-2-11	89.15965	SE	< 1.		UG/L	10/26/89	EPTOX
85-C-2-11	89.15965	SE	< 1.		UG/L	10/27/89	EPTOX
85-C-2-12	89.15966	AG	0.003	0.003	MG/L	10/26/89	EPTOX
85-C-2-12	89.15966	AG	< 0.003		MG/L	10/27/89	EPTOX
85-C-2-12	89.15966	AS	< 2.		UG/L	10/26/89	EPTOX
85-C-2-12	89.15966	AS	< 2.		UG/L	10/27/89	EPTOX
85-C-2-12	89.15966	PB	< 0.05		MG/L	10/27/89	EPTOX
85-C-2-12	89.15966	PB	< 0.05		MG/L	10/26/89	EPTOX
85-C-2-12	89.15966	SE	< 1.		UG/L	10/27/89	EPTOX
85-C-2-12	89.15966	SE	< 1.		UG/L	10/26/89	EPTOX
85C2-13	89.15967	AG	0.17	0.02	MG/L	10/26/89	EPTOX
85C2-13	89.15967	AG	0.18	0.02	MG/L	10/27/89	EPTOX
85C2-13	89.15967	AS	33.	3.3	UG/L	10/27/89	EPTOX
85C2-13	89.15967	AS	33.	3.3	UG/L	10/26/89	EPTOX
85C2-13	89.15967	PB	0.11	0.05	MG/L	10/27/89	EPTOX
85C2-13	89.15967	PB	0.12	0.05	MG/L	10/26/89	EPTOX
85C2-13	89.15967	SE	30.	3.	UG/L	10/27/89	EPTOX
85C2-13	89.15967	SE	30.	3.	UG/L	10/26/89	EPTOX
85C2-14	89.15968	AG	0.03	0.003	MG/L	10/26/89	EPTOX
85C2-14	89.15968	AG	0.02	0.003	MG/L	10/27/89	EPTOX

85C2-14	89.15968	AS	5.3	2.	UG/L	10/26/89	EPTOX
85C2-14	89.15968	AS	5.	2.	UG/L	10/27/89	EPTOX
85C2-14	89.15968	PB	< 0.05		MG/L	10/26/89	EPTOX
85C2-14	89.15968	PB	< 0.05		MG/L	10/27/89	EPTOX
85C2-14	89.15968	SE	3.5	1.	UG/L	10/27/89	EPTOX
85C2-14	89.15968	SE	3.9	1.	UG/L	10/26/89	EPTOX
85C2-15	89.15969	AG	0.005	0.003	MG/L	10/26/89	EPTOX
85C2-15	89.15969	AG	0.005	0.003	MG/L	10/27/89	EPTOX
85C2-15	89.15969	AS	< 2.		UG/L	10/27/89	EPTOX
85C2-15	89.15969	AS	2.	2.	UG/L	10/26/89	EPTOX
85C2-15	89.15969	PB	< 0.05		MG/L	10/26/89	EPTOX
85C2-15	89.15969	PB	< 0.05		MG/L	10/27/89	EPTOX
85C2-15	89.15969	SE	< 1.		UG/L	10/26/89	EPTOX
85C2-15	89.15969	SE	< 1.		UG/L	10/27/89	EPTOX
85C2-16	89.15970	AG	< 0.003		MG/L	10/27/89	EPTOX
85C2-16	89.15970	AG	< 0.003		MG/L	10/26/89	EPTOX
85C2-16	89.15970	AS	< 2.		UG/L	10/27/89	EPTOX
85C2-16	89.15970	AS	< 2.		UG/L	10/26/89	EPTOX
85C2-16	89.15970	PB	< 0.05		MG/L	10/26/89	EPTOX
85C2-16	89.15970	PB	< 0.05		MG/L	10/27/89	EPTOX
85C2-16	89.15970	SE	< 1.		UG/L	10/27/89	EPTOX
85C2-16	89.15970	SE	< 1.		UG/L	10/26/89	EPTOX
85C2-17	89.15971	AG	0.25	0.025	MG/L	10/26/89	EPTOX
85C2-17	89.15971	AS	30.	3.	UG/L	10/26/89	EPTOX
85C2-17	89.15971	PB	0.15	0.05	MG/L	10/26/89	EPTOX
85C2-17	89.15971	SE	29.	2.9	UG/L	10/26/89	EPTOX
85C2-18	89.15972	AG	0.024	0.003	MG/L	10/26/89	EPTOX
85C2-18	89.15972	AS	4.5	2.	UG/L	10/27/89	EPTOX
85C2-18	89.15972	AS	4.9	2.	UG/L	10/26/89	EPTOX
85C2-18	89.15972	PB	< 0.05		MG/L	10/27/89	EPTOX
85C2-18	89.15972	PB	0.05	0.05	MG/L	10/26/89	EPTOX
85C2-18	89.15972	SE	3.9	1.	UG/L	10/27/89	EPTOX
85C2-18	89.15972	SE	3.9	1.	UG/L	10/26/89	EPTOX
85C3-19	89.15973	AG	0.021	0.003	MG/L	10/26/89	EPTOX
85C3-19	89.15973	AS	< 2.		UG/L	10/26/89	EPTOX
85C3-19	89.15973	AS	< 2.		UG/L	10/27/89	EPTOX
85C3-19	89.15973	PB	< 0.05		MG/L	10/26/89	EPTOX
85C3-19	89.15973	PB	< 0.05		MG/L	10/27/89	EPTOX
85C3-19	89.15973	SE	< 1.		UG/L	10/27/89	EPTOX
85C3-19	89.15973	SE	< 1.		UG/L	10/26/89	EPTOX
85C3-20	89.15974	AG	0.005	0.003	MG/L	10/26/89	EPTOX
85C3-20	89.15974	AG	0.007	0.003	MG/L	10/27/89	EPTOX
85C3-20	89.15974	AS	< 2.		UG/L	10/27/89	EPTOX
85C3-20	89.15974	AS	< 2.		UG/L	10/26/89	EPTOX
85C3-20	89.15974	PB	< 0.05		MG/L	10/26/89	EPTOX
85C3-20	89.15974	PB	< 0.05		MG/L	10/27/89	EPTOX
85C3-20	89.15974	SE	< 1.		UG/L	10/26/89	EPTOX
85C3-20	89.15974	SE	< 1.		UG/L	10/27/89	EPTOX
85C3-21	89.15975	AG	0.011	0.003	MG/L	10/26/89	EPTOX
85C3-21	89.15975	AG	0.005	0.003	MG/L	10/27/89	EPTOX
85C3-21	89.15975	AS	< 2.		UG/L	10/27/89	EPTOX
85C3-21	89.15975	AS	< 2.		UG/L	10/26/89	EPTOX
85C3-21	89.15975	PB	< 0.05		MG/L	10/27/89	EPTOX
85C3-21	89.15975	PB	< 0.05		MG/L	10/26/89	EPTOX
85C3-21	89.15975	SE	< 1.		UG/L	10/27/89	EPTOX
85C3-21	89.15975	SE	< 1.		UG/L	10/26/89	EPTOX
85C3-22	89.15976	AG	0.21	0.021	MG/L	10/26/89	EPTOX
85C3-22	89.15976	AG	0.19	0.02	MG/L	10/27/89	EPTOX
85C3-22	89.15976	AS	38.	3.8	UG/L	10/26/89	EPTOX
85C3-22	89.15976	AS	37.	3.7	UG/L	10/27/89	EPTOX

85C3-22	89.15976	PB	0.12	0.05	MG/L	10/26/89	EPTOX
85C3-22	89.15976	PB	0.12	0.05	MG/L	10/27/89	EPTOX
85C3-22	89.15976	SE	30.	3.	UG/L	10/27/89	EPTOX
85C3-22	89.15976	SE	31.	3.1	UG/L	10/26/89	EPTOX
85C3-23	89.15977	AG	0.007	0.003	MG/L	10/26/89	EPTOX
85C3-23	89.15977	AG	0.008	0.003	MG/L	10/27/89	EPTOX
85C3-23	89.15977	AS	< 2.		UG/L	10/26/89	EPTOX
85C3-23	89.15977	AS	< 2.		UG/L	10/27/89	EPTOX
85C3-23	89.15977	PB	< 0.05		MG/L	10/26/89	EPTOX
85C3-23	89.15977	PB	< 0.05		MG/L	10/27/89	EPTOX
85C3-23	89.15977	SE	< 1.		UG/L	10/26/89	EPTOX
85C3-23	89.15977	SE	< 1.		UG/L	10/27/89	EPTOX
85C3-24	89.15978	AG	0.012	0.003	MG/L	10/27/89	EPTOX
85C3-24	89.15978	AG	0.019	0.003	MG/L	10/26/89	EPTOX
85C3-24	89.15978	AS	< 2.		UG/L	10/27/89	EPTOX
85C3-24	89.15978	AS	< 2.		UG/L	10/26/89	EPTOX
85C3-24	89.15978	PB	< 0.05		MG/L	10/26/89	EPTOX
85C3-24	89.15978	PB	< 0.05		MG/L	10/27/89	EPTOX
85C3-24	89.15978	SE	< 1.		UG/L	10/26/89	EPTOX
85C3-24	89.15978	SE	< 1.		UG/L	10/27/89	EPTOX
85C4-11	89.16082	CR	Bottle Blank		MG/L	10/18/89	

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REPORT NUMBER: 4652 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: CB on 6-Nov-1989

REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Trudi Foreman

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE
00.01010	00.01010	AS	28.9	2.9	UG/L	27.	3.	10/27/89 UNDER CONTROL
00.01010	00.01010	AS	26.7	2.7	UG/L	27.	3.	10/27/89 UNDER CONTROL
00.01010	00.01010	AS	29.7	3.	UG/L	27.	3.	10/27/89 UNDER CONTROL
00.01010	00.01010	AS	29.3	2.9	UG/L	27.	3.	10/27/89 UNDER CONTROL
00.01010	00.01010	SE	10.3	1.	UG/L	11.	2.	10/27/89 UNDER CONTROL
00.01010	00.01010	SE	10.4	1.	UG/L	11.	2.	10/27/89 UNDER CONTROL
00.01010	00.01010	SE	10.7	1.1	UG/L	11.	2.	10/27/89 UNDER CONTROL
00.01010	00.01010	SE	11.1	1.1	UG/L	11.	2.	10/27/89 UNDER CONTROL
00.01036	00.01036	PB	102.	10.2	UG/L	100.	8.	10/27/89 UNDER CONTROL
00.01036	00.01036	PB	105.	10.5	UG/L	100.	8.	10/27/89 UNDER CONTROL
00.01036	00.01036	PB	102.	10.2	UG/L	100.	8.	10/27/89 UNDER CONTROL
00.01036	00.01036	PB	94.	9.4	UG/L	100.	8.	10/27/89 UNDER CONTROL
00.98805	00.98805	AG	0.506	0.051	MG/L	0.5	0.05	10/27/89 UNDER CONTROL
00.98805	00.98805	AG	0.506	0.051	MG/L	0.5	0.05	10/27/89 UNDER CONTROL
00.98805	00.98805	AG	0.521	0.052	MG/L	0.5	0.05	10/27/89 UNDER CONTROL
00.98805	00.98805	AG	0.496	0.05	MG/L	0.5	0.05	10/27/89 UNDER CONTROL

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

SAMPLE COMPLETION

NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	DATE	COMMENT
89.16803	AG	1.8	0.18	MG/L	10/26/89	UNDER CONTROL
89.16803	AG	1.9	0.02	MG/L	10/27/89	UNDER CONTROL
89.16803	AS	85.4	8.5	UG/L	10/26/89	UNDER CONTROL
89.16803	PB	0.95	0.095	MG/L	10/26/89	WARNING 2-3 SIG
89.16803	PB	0.95	0.095	MG/L	10/27/89	WARNING 2-3 SIG
89.16803	SE	98.6	9.9	UG/L	10/26/89	UNDER CONTROL

Analyst	Section Leader	QA Officer
11-13-89	11-13-89	11-13-89
Date	Date	Date

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: 4412

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 18-Oct-1989

ANALYSIS: BA REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85-C-1-1	89.15955	0.23	0.02	MG/L	10/18/89	EPTOX
85-C-1-2	89.15956	< 0.02		MG/L	10/18/89	EPTOX
85-C-1-3	89.15957	< 0.02		MG/L	10/18/89	EPTOX
85-C-1-4	89.15958	0.2	0.02	MG/L	10/18/89	EPTOX
85-C-1-5	89.15959	0.13	0.02	MG/L	10/18/89	EPTOX
85-C-1-6	89.15960	43.	20.	UG/L	10/18/89	EPTOX
85-C-1-7	89.15961	< 0.02		MG/L	10/18/89	EPTOX
85-C-1-8	89.15962	< 0.02		MG/L	10/18/89	EPTOX
85-C-2-9	89.15963	< 0.02		MG/L	10/18/89	EPTOX
85-C-2-10	89.15964	< 0.02		MG/L	10/18/89	EPTOX
85-C-2-11	89.15965	75.	20.	UG/L	10/18/89	EPTOX
85-C-2-12	89.15966	< 0.02		MG/L	10/18/89	EPTOX
85C2-13	89.15967	57.	20.	UG/L	10/18/89	EPTOX
85C2-14	89.15968	< 0.02		MG/L	10/18/89	EPTOX
85C2-15	89.15969	0.2	0.02	MG/L	10/18/89	EPTOX
85C2-16	89.15970	< 0.02		MG/L	10/18/89	EPTOX
85C2-17	89.15971	< 0.02		MG/L	10/18/89	EPTOX
85C2-18	89.15972	< 0.02		MG/L	10/18/89	EPTOX
85C3-19	89.15973	94.	20.	UG/L	10/18/89	EPTOX
85C3-20	89.15974	< 0.02		MG/L	10/18/89	EPTOX
85C3-21	89.15975	< 0.02		MG/L	10/18/89	EPTOX
85C3-22	89.15976	0.27	0.03	MG/L	10/18/89	EPTOX
85C3-23	89.15977	0.26	0.03	MG/L	10/18/89	EPTOX
85C3-24	89.15978	< 0.02		MG/L	10/18/89	EPTOX
85C4-3	89.16081	< 0.02		MG/L	10/18/89	EPTOX
89.16802	89.16802	4.6	0.5	MG/L	10/18/89	EPTOX

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REPORT NUMBER: 4412 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 18-Oct-1989

ANALYSIS: BA REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.98625	00.98625	96.	9.6	UG/L	100.	10.	10/18/89	UNDER CONTROL
00.98625	00.98625	99.7	10.	UG/L	100.	10.	10/18/89	UNDER CONTROL
00.98625	00.98625	102.	10.2	UG/L	100.	10.	10/18/89	UNDER CONTROL
00.98625	00.98625	102.	10.2	UG/L	100.	10.	10/18/89	UNDER CONTROL

J D Montoya	[illegible]	mag
Analyst	Section Leader	QA Officer
10-19-89	10-19-89	10-19-89
Date	Date	Date

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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RE ORT NUMBER: 4414

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 18-Oct-1989

ANALYSIS: CD REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85-C-1-1	89.15955	< 0.1		MG/L	10/18/89	EPTOX
85-C-1-2	89.15956	< 0.1		MG/L	10/18/89	EPTOX
85-C-1-3	89.15957	< 0.1		MG/L	10/18/89	EPTOX
85-C-1-4	89.15958	< 0.1		MG/L	10/18/89	EPTOX
85-C-1-5	89.15959	< 0.1		MG/L	10/18/89	EPTOX
85-C-1-6	89.15960	< 0.1		MG/L	10/18/89	EPTOX
85-C-1-7	89.15961	< 0.1		MG/L	10/18/89	EPTOX
85-C-1-8	89.15962	< 0.1		MG/L	10/18/89	EPTOX
85-C-2-9	89.15963	< 0.1		MG/L	10/18/89	EPTOX
85-C-2-10	89.15964	< 0.1		MG/L	10/18/89	EPTOX
85-C-2-11	89.15965	< 0.1		MG/L	10/18/89	EPTOX
85-C-2-12	89.15966	< 0.1		MG/L	10/18/89	EPTOX
85C2-13	89.15967	< 0.1		MG/L	10/18/89	EPTOX
85C2-14	89.15968	< 0.1		MG/L	10/18/89	EPTOX
85C2-15	89.15969	< 0.1		MG/L	10/18/89	EPTOX
85C2-16	89.15970	< 0.1		MG/L	10/18/89	EPTOX
85C2-17	89.15971	< 0.1		MG/L	10/18/89	EPTOX
85C2-18	89.15972	< 0.1		MG/L	10/18/89	EPTOX
85C3-19	89.15973	< 0.1		MG/L	10/18/89	EPTOX
85C3-20	89.15974	< 0.1		MG/L	10/18/89	EPTOX
85C3-21	89.15975	< 0.1		MG/L	10/18/89	EPTOX
85C3-22	89.15976	< 0.1		MG/L	10/18/89	EPTOX
85C3-23	89.15977	< 0.1		MG/L	10/18/89	EPTOX
85C3-24	89.15978	< 0.1		MG/L	10/18/89	EPTOX
85C4-3	89.16081	< 0.1		MG/L	10/18/89	EPTOX
89.16802	89.16802	1.3	0.1	MG/L	10/18/89	EPTOX

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REPORT NUMBER: 4414 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 18-Oct-1989

ANALYSIS: CD REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.98625	00.98625	103.	10.	UG/L	100.	10.	10/18/89	UNDER CONTROL
00.98625	00.98625	105.	10.5	UG/L	100.	10.	10/18/89	UNDER CONTROL
00.98625	00.98625	101.	10.	UG/L	100.	10.	10/18/89	UNDER CONTROL
00.98625	00.98625	105.	10.5	UG/L	100.	10.	10/18/89	UNDER CONTROL

JD Montoya	[illegible]	mag
Analyst	Section Leader	QA Officer
10-19-89	10-19-89	10-19-89
Date	Date	Date

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 NUMBLR: 4415

********** HSE-9 ANALYTICAL REPORT **********

Prepared by: J.D. MONTOYA on 18-Oct-1989

ANALYSIS: CR REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85-C-1-1	89.15955	< 0.2		MG/L	10/18/89	EPTOX
85-C-1-2	89.15956	< 0.2		MG/L	10/18/89	EPTOX
85-C-1-3	89.15957	< 0.2		MG/L	10/18/89	EPTOX
85-C-1-4	89.15958	< 0.2		MG/L	10/18/89	EPTOX
85-C-1-5	89.15959	< 0.2		MG/L	10/18/89	EPTOX
85-C-1-6	89.15960	< 0.2		MG/L	10/18/89	EPTOX
85-C-1-7	89.15961	< 0.2		MG/L	10/18/89	EPTOX
85-C-1-8	89.15962	< 0.2		MG/L	10/18/89	EPTOX
85-C-2-9	89.15963	< 0.2		MG/L	10/18/89	EPTOX
85-C-2-10	89.15964	< 0.2		MG/L	10/18/89	EPTOX
85-C-2-11	89.15965	< 0.2		MG/L	10/18/89	EPTOX
85-C-2-12	89.15966	< 0.2		MG/L	10/18/89	EPTOX
85C2-13	89.15967	< 0.2		MG/L	10/18/89	EPTOX
85C2-14	89.15968	< 0.2		MG/L	10/18/89	EPTOX
85C2-15	89.15969	< 0.2		MG/L	10/18/89	EPTOX
85C2-16	89.15970	< 0.2		MG/L	10/18/89	EPTOX
85C2-17	89.15971	< 0.2		MG/L	10/18/89	EPTOX
85C2-18	89.15972	< 0.2		MG/L	10/18/89	EPTOX
85C3-19	89.15973	< 0.2		MG/L	10/18/89	EPTOX
85C3-20	89.15974	< 0.2		MG/L	10/18/89	EPTOX
85C3-21	89.15975	< 0.2		MG/L	10/18/89	EPTOX
85C3-22	89.15976	< 0.2		MG/L	10/18/89	EPTOX
85C3-23	89.15977	< 0.2		MG/L	10/18/89	EPTOX
85C3-24	89.15978	< 0.2		MG/L	10/18/89	EPTOX
85C4-3	89.16081	< 0.2		MG/L	10/18/89	EPTOX
89.16802	89.16802	0.96	0.2	MG/L	10/18/89	EPTOX

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REPORT NUMBER: 4415 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: J.D. MONTOYA on 18-Oct-1989

ANALYSIS: CR REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Janet Montoya

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: ICPES ANALYTICAL PROCEDURE : 6010

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.98625	00.98625	100.	10.	UG/L	100.	10.	10/18/89	UNDER CONTROL
00.98625	00.98625	106.	10.6	UG/L	100.	10.	10/18/89	UNDER CONTROL
00.98625	00.98625	106.	10.6	UG/L	100.	10.	10/18/89	UNDER CONTROL
00.98625	00.98625	106.	10.6	UG/L	100.	10.	10/18/89	UNDER CONTROL

JD Montoya
Analyst

MCW
Section Leader

mag
QA Officer

10-19-89
Date

10-19-89
Date

10-19-89
Date

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: 5090

Rec'd 1-18-89

********** HSE-9 ANALYTICAL REPORT **********

TA-35
TSL-35 S.I.
Core holes in SI

Prepared by: ESG on 11-Dec-1989

ANALYSIS: HG REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Malti Bhatia

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE : 7480

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
85-C-1-1	89.15955	< 0.2		UG/L	10/24/89	
85-C-1-1	89.15955	< 0.2		UG/L	12/08/89	
85-C-1-2	89.15956	< 0.2		UG/L	10/24/89	
85-C-1-2	89.15956	< 0.2		UG/L	12/08/89	
85-C-1-3	89.15957	< 0.2		UG/L	12/08/89	
85-C-1-3	89.15957	< 0.2		UG/L	10/24/89	
85-C-1-4	89.15958	< 0.2		UG/L	12/08/89	
85-C-1-4	89.15958	< 0.2		UG/L	10/24/89	
85-C-1-5	89.15959	< 0.2		UG/L	12/08/89	
85-C-1-5	89.15959	< 0.2		UG/L	10/24/89	
85-C-1-6	89.15960	< 0.2		UG/L	12/08/89	
85-C-1-6	89.15960	< 0.2		UG/L	10/24/89	
85-C-1-7	89.15961	< 0.2		UG/L	12/08/89	
85-C-1-7	89.15961	< 0.2		UG/L	10/24/89	
85-C-1-8	89.15962	< 0.2		UG/L	12/08/89	
85-C-1-8	89.15962	< 0.2		UG/L	10/24/89	
85-C-2-9	89.15963	< 0.2		UG/L	10/24/89	
85-C-2-9	89.15963	< 0.2		UG/L	12/08/89	
85-C-2-10	89.15964	< 0.2		UG/L	12/08/89	
85-C-2-10	89.15964	< 0.2		UG/L	10/24/89	
85-C-2-11	89.15965	< 0.2		UG/L	10/24/89	
85-C-2-11	89.15965	< 0.2		UG/L	12/08/89	
85-C-2-12	89.15966	< 0.2		UG/L	10/24/89	
85-C-2-12	89.15966	< 0.2		UG/L	12/08/89	
85C2-13	89.15967	< 0.2		UG/L	10/24/89	
85C2-13	89.15967	< 0.2		UG/L	12/08/89	
85C2-14	89.15968	< 0.2		UG/L	12/08/89	
85C2-14	89.15968	< 0.2		UG/L	10/24/89	
85C2-15	89.15969	< 0.2		UG/L	10/24/89	
85C2-15	89.15969	< 0.2		UG/L	12/08/89	
85C2-16	89.15970	< 0.2		UG/L	12/08/89	
85C2-16	89.15970	< 0.2		UG/L	10/24/89	
85C2-17	89.15971	< 0.2		UG/L	12/08/89	
85C2-17	89.15971	< 0.2		UG/L	10/24/89	
85C2-18	89.15972	< 0.2		UG/L	12/08/89	
85C2-18	89.15972	< 0.2		UG/L	10/24/89	
85C3-19	89.15973	< 0.2		UG/L	10/24/89	
85C3-19	89.15973	< 0.2		UG/L	12/08/89	
85C3-20	89.15974	< 0.2		UG/L	12/08/89	

85C3-20	89.15974	< 0.2	UG/L	10/24/89
85C3-21	89.15975	< 0.2	UG/L	12/08/89
85C3-21	89.15975	< 0.2	UG/L	10/24/89
85C3-22	89.15976	< 0.2	UG/L	12/08/89
85C3-22	89.15976	< 0.2	UG/L	10/24/89
85C3-23	89.15977	< 0.2	UG/L	12/08/89
85C3-23	89.15977	< 0.2	UG/L	10/24/89
85C3-24	89.15978	< 0.2	UG/L	12/08/89
85C3-24	89.15978	< 0.2	UG/L	10/24/89

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REPORT NUMBER: 5090 (continued)

********** HSE-9 QUALITY ASSURANCE REPORT *********

Prepared by: ESG on 11-Dec-1989

ANALYSIS: HG REQUEST NUMBER: 7969 MATRIX: WE ANALYST: Malti Bhatia

OWNER: Steve McLin GROUP: HSE-8 MAIL-STOP: K490 PHONE: 5-1721

ANALYTICAL TECHNIQUE: CVAA ANALYTICAL PROCEDURE : 7480

CUSTOMER NUM	SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	CERTIFIED VALUE	CERTIFIED VALUE UNCERTAINTY	COMPLETION DATE	COMMENT
00.20086	00.20086	3.96	0.4	UG/L	4.	0.4	12/05/89	UNDER CONTROL
00.20087	00.20087	3.97	0.4	UG/L	4.	0.4	12/05/89	UNDER CONTROL
00.20210	00.20210	2.02	0.2	UG/L	2.	0.2	12/05/89	UNDER CONTROL

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

SAMPLE NUM	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT
89.16804	2.8	0.3	UG/L	12/05/89	UNDER CONTROL

MAB	MLB	mag
Analyst	Section Leader	QA Officer
12/12/89	12-12-89	12-12-89
Date	Date	Date

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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