AGRA
Earth & Environmental

AGRA Earth & Environmental, Inc.
3504 Industrial Avenue
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Fairbanks, Alaska
U.S.A. 99701
Tel (907) 479-7586
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July 18, 1996
6-024-01173-1 Task 05

Seekins Ford-Lincoln-Mercury
1625 Old Steese Highway
Fairbanks, Alaska 99712

Attention: **Al Haynes**

RE: GROUNDWATER SAMPLING RESULTS, MAY 1996
SEEKINS FORD-LINCOLN-MERCURY, NRO File No. 100.26.131

Dear Al:

In May 1996, AGRA Earth & Environmental, Inc. (AEE) completed the first quarterly sampling event under the *Interim Corrective Action Plan* (ICAP) approved for Seekins Ford-Lincoln-Mercury in Fairbanks, Alaska. The plan was approved by the Alaska Department of Environmental Conservation (ADEC) and the Environmental Protection Agency (EPA) in April 1996. Groundwater sampling of the monitoring well network under the ICAP will again be conducted in August and November 1996 and in February 1997. This letter summarizes the results of the first sampling event. The locations of the monitoring wells are shown on the attached Figure 1.

FIELD METHODS

Prior to sampling, AEE field personnel measured the depth to water in each well using an Associated Remedial Technologies, Inc. Model 15101-E Hydrocarbon Interface Probe. This measurement was then subtracted from the surveyed elevation of the top of the well casing to yield the elevation of the water surface within the well. The survey data and measurements obtained during sample collection efforts are included in the attached Table 1.

During well sampling, AEE personnel used the decontamination, purging, and sampling procedures outlined in the ADEC *Underground Storage Tanks Procedures Manual.* Disposable polyethylene bailers were used to retrieve the water samples. One sample was collected as a Quality Assurance (QA) duplicate sample. The water samples and QA duplicate were placed in a chilled cooler and shipped to the AEE Environmental Chemistry Laboratory in Portland, Oregon.

RESULTS

The original samples and the QA duplicate were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by Alaska Test Method AK101, gasoline range petroleum hydrocarbons (GRPH) by Alaska Test Method AK101, diesel range petroleum hydrocarbons (DRPH) by Alaska Test Method AK102, and volatile organic compounds (VOCs) by EPA Method 624. In addition, select samples were analyzed for polynuclear aromatic hydrocarbons (PAHs) based on the proximity of the monitoring wells to the former injection well area. Copies of the laboratory analytical reports for these samples are included with this letter. In addition to the above samples, AEE field personnel submitted a trip blank sample, which accompanied the samples throughout the sampling event. This sample exhibited non-detectable concentrations of all tested compounds. Sampling data and analytical results are summarized in Tables 1 and 2.

The QA duplicate (DUP-1) from monitoring well MW-1 was submitted as a quality control indicator. The analytical results for the two samples showed close agreement for all tested compounds. The reported results indicated a relative percent difference (RPD) for the two samples that is within the allowable RPD limit of 30 percent for all tested compounds.

CLOSURE

AEE is pleased to be of continued service to Seekins. We will collect water level measurements at each of the well locations on a monthly basis. These data will be included in future quarterly letter reports. Our next sampling event is scheduled to occur in August 1996. We will forward the results of testing as soon as we have compiled that information. If you have any questions or comments regarding this letter, please contact our office.

Sincerely,

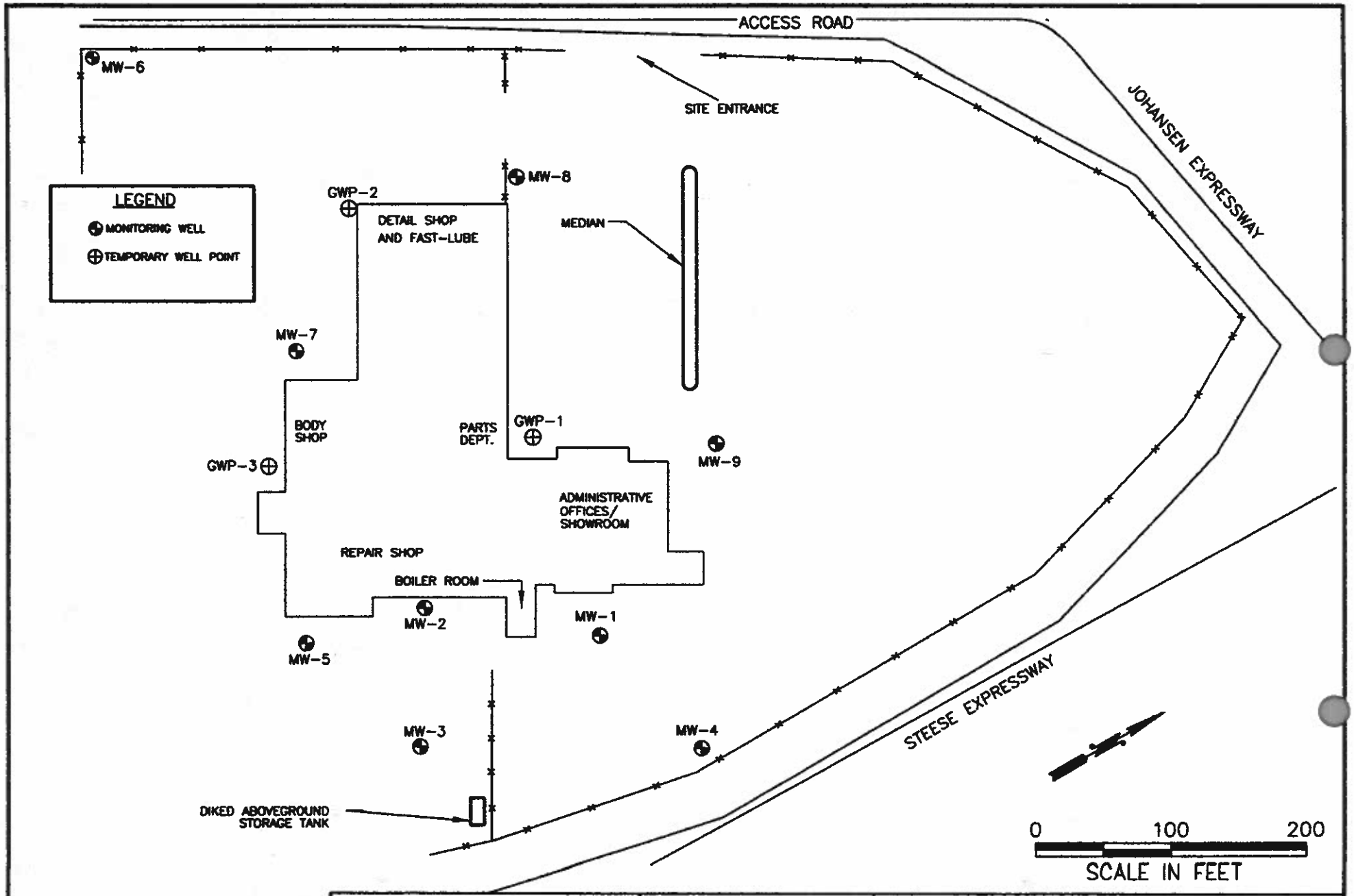
AGRA Earth & Environmental, Inc.

James A. Spontak
Project Manager

Atch: Figure 1, Site Plan
Tables 1 and 2, Summary of Groundwater Analytical Data
Laboratory Report

c: Chet Halcomb, ADEC - Fairbanks
Jonathan Williams, EPA - Seattle

JAS C:\AEEJAS\01173.1\TASK5\MAYREP.QTR July 18, 1996



AGRA
Earth & Environmental
3504 Industrial Ave. Suite 5
Fairbanks, Alaska 99701

W.O.	6-024-01173-1
DESIGN	MPP
DRAWN	MPP / LOCWELL
DATE	06/06/96
SCALE	1"=100'

SEEKINS FORD-LINCOLN-MERCURY
1625 OLD STEESE HIGHWAY
FAIRBANKS, ALASKA

SITE PLAN
FIGURE 1

TABLE 1

Summary of Groundwater Analytical Data for Seekins Ford-Lincoln-Mercury

BTEX, GRPH, and DRPH Results

Well Number	Date	MP Elevation	DTW	Ground Water Elevation	EPA 8020 (ug/L) AK101 Benzene	Total BTEX	(mg/L) GRPH	EPA 8100 (mg/L) DRPH
Maximum Contaminant Level (ug/L)					5			
MW-1	7/21/95	97.13	14.20	82.93	12,000	71,300	180	5.4
	5/1/96	97.11	15.70	81.41	7,500	97,300	240	6.2
MW-2	7/21/95	97.57	14.64	82.93	ND(0.5)	6.8	0.15	0.35
	5/1/96	97.57	16.13	81.44	1.69	26.3	0.26	0.74
MW-3	7/21/95	96.62	13.70	82.92	8	NT	2.8	13
	5/1/96	96.62	15.18	81.44	ND(1)	151	0.99	5.4
MW-4	7/21/95	95.88	12.93	82.95	ND(0.5)	ND	ND(0.05)	ND(0.1)
	5/1/96	95.88	14.43	81.45	ND(1)	ND	ND(0.05)	0.24
MW-5	7/21/95	---	---	---	MONITORING WELL INSTALLED IN APRIL 1996.			
	5/1/96	97.08	15.68	81.40	2.49	33.9	0.17	1.1
MW-6	7/21/95	---	---	---	MONITORING WELL INSTALLED IN APRIL 1996.			
	5/1/96	97.14	15.78	81.36	ND(1)	23.3	0.12	0.94
MW-7	7/21/95	---	---	---	MONITORING WELL INSTALLED IN APRIL 1996.			
	5/1/96	97.70	16.29	81.41	ND(1)	48.3	0.26	0.47
MW-8	7/21/95	---	---	---	MONITORING WELL INSTALLED IN APRIL 1996.			
	5/1/96	97.85	16.49	81.36	8.39	110.2	0.35	0.69
MW-9	7/21/95	---	---	---	MONITORING WELL INSTALLED IN APRIL 1996.			
	5/1/96	97.37	15.95	81.42	ND(1)	8.8	0.06	0.84
GWP-1	7/21/95	97.47	14.62	82.85	1,500	1,722	4	0.19
	5/1/96	97.53	16.11	81.42	117	134.3	0.34	0.48
GWP-2	7/21/95	97.75	15.02	82.73	ND(0.5)	ND	ND(0.05)	ND(0.1)
	5/1/96	97.91	16.54	81.37	ND(1)	ND	ND(0.05)	0.35
GWP-3	7/21/95	97.02	14.18	82.84	ND(0.5)	NT	ND(0.05)	ND(0.1)
	5/1/96	97.14	15.71	81.43	ND(1)	ND	ND(0.05)	0.17
DUP-1	5/1/96	---	---	---	10,000	124,600	220	5.6

NT INDICATES THAT THESE MONITORING WELLS WERE NOT TESTED FOR THIS PARAMETER.
ND INDICATES THAT THE RESULT WAS NON-DETECTABLE ABOVE THE LIMIT SHOWN.

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TABLE 2

Summary of Groundwater Analytical Data for Seekins Ford-Lincoln-Mercury

VOC and PAH Compounds

Well Number	Date	EPA 624 (ug/L) Trichloro-fluoro-methane	Tetra-chloro-ethene	1,2-Dichloro-benzene	Tri-chloro-ethene	1,1,1-Trichloro-ethane	1,1-Dichloro-ethane	Dichloro-methane	Chloroform	Carbon Tetrachloride	Acetone	Methylene Chloride	2-Butanone (MEK)	Isopropyl Benzene	1,2,3-Trichloro propane	n-Propyl benzene	1,3,5-Trimethyl benzene	1,2,4-Trimethyl benzene	sec-Butyl benzene	4-Isopropyl toluene	n-Butyl benzene	Naphthalene	EPA 8310 (ug/L) Fluorene	Phenanthrene	Fluoranthene	Pyrene	Naphthalene
MW-1	7/21/95	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	5/1/96	ND(300)	ND(300)	ND(300)	ND(300)	ND(300)	ND(300)	NT	ND(300)	ND(300)	ND(6000)	ND(1)	ND(3000)	ND(300)	ND(300)	420	740	3,000	ND(300)	ND(300)	ND(300)	ND(300)	NT	NT	NT	NT	NT
MW-2	7/21/95	6.3	20	ND(3)	ND(3)	57	ND(3)	ND(10)	ND(3)	8.2	ND(40)	NT	ND(20)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	5/1/96	ND(1)	1.71	ND(1)	ND(1)	9.39	1.88	NT	ND(1)	ND(1)	ND(20)	ND(1)	ND(10)	3.53	ND(1)	9.59	16.2	22.2	ND(1)	1.3	ND(1)	ND(5)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.1)	ND(0.5)
MW-3	7/21/95	6.8	29	90	12	ND(3)	6.5	240	ND(3)	ND(3)	ND(40)	NT	ND(20)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	5/1/96	ND(1)	23	86	22	ND(1)	ND(1)	NT	ND(1)	ND(1)	ND(20)	230	ND(10)	ND(1)	ND(1)	6.4	18	49	ND(1)	7.6	ND(1)	ND(5)	1.4	1.7	1.1	0.3	9
MW-4	7/21/95	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(3)	ND(10)	5.5	ND(3)	ND(40)	NT	ND(20)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	5/1/96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NT	ND(1)	ND(1)	ND(20)	ND(1)	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	NT	NT	NT	NT	NT
MW-5	7/21/95	MONITORING WELL INSTALLED IN APRIL 1996.																									
	5/1/96	ND(1)	ND(1)	2.71	ND(1)	ND(1)	1.45	NT	ND(1)	ND(1)	ND(20)	ND(1)	ND(10)	1.85	ND(1)	4.43	15	36.2	2.68	3.5	ND(1)	18	NT	NT	NT	NT	NT
MW-6	7/21/95	MONITORING WELL INSTALLED IN APRIL 1996.																									
	5/1/96	10.1	5.23	ND(1)	ND(1)	2.28	2.93	NT	1.01	ND(1)	27.2	ND(1)	ND(10)	3.11	ND(1)	8.96	11.7	37.7	4.73	8.89	11	35.2	NT	NT	NT	NT	NT
MW-7	7/21/95	MONITORING WELL INSTALLED IN APRIL 1996.																									
	5/1/96	13.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NT	ND(1)	ND(1)	ND(20)	ND(1)	ND(10)	2.50	ND(1)	5.78	7.45	25.8	1.33	2.47	2.42	12	NT	NT	NT	NT	NT
MW-8	7/21/95	MONITORING WELL INSTALLED IN APRIL 1996.																									
	5/1/96	16.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NT	ND(1)	ND(1)	36.2	4.01	18	3.84	1.14	9.67	13	41.8	2.64	4.06	5.06	20.4	NT	NT	NT	NT	NT
MW-9	7/21/95	MONITORING WELL INSTALLED IN APRIL 1996.																									
	5/1/96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NT	ND(1)	ND(1)	ND(20)	3.56	ND(10)	1.08	ND(1)	2.95	3.43	11.32	1.67	2.11	3.72	10.9	NT	NT	NT	NT	NT
GWP-1	7/21/95	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	5/1/96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NT	ND(1)	ND(1)	ND(20)	3.63	ND(10)	3.70	ND(1)	1.53	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	NT	NT	NT	NT	NT
GWP-2	7/21/95	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	5/1/96	33.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NT	ND(1)	ND(1)	ND(20)	3.87	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	NT	NT	NT	NT	NT
GWP-3	7/21/95	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	5/1/96	2.22	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NT	ND(1)	ND(1)	ND(20)	4.91	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.1)	ND(0.5)
DUP-1	7/21/95	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	5/1/96	ND(300)	ND(300)	ND(300)	ND(300)	ND(300)	ND(300)	NT	ND(300)	ND(300)	ND(6000)	ND(1)	ND(3000)	ND(300)	ND(300)	410	780	3,100	ND(300)	ND(300)	ND(300)	ND(300)	NT	NT	NT	NT	NT

NT INDICATES THAT THE MONITORING WELL WAS NOT TESTED FOR THIS PARAMETER.
ND INDICATES THAT THE PARAMETER WAS NON-DETECTABLE ABOVE THE LIMIT SHOWN.
ONLY THOSE ANALYTES REPORTED IN DETECTABLE CONCENTRATIONS ARE LISTED IN THIS TABLE. ALL OTHER VOC AND PAH COMPOUNDS WERE NON-DETECTABLE.

AGRA
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AGRA Earth & Environmental, Inc.
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May 14, 1996

AGRA Earth & Environmental
3504 Industrial Way, Suite 5
Fairbanks, AK 99701

Attention: Mr. James Spontak

Dear Mr. Spontak:

RE: Analytical Results For Project 6-024-01173-1T04

Attached are the results for the samples submitted on May 3, 1996 from the above referenced project. For your reference, our project number associated with these samples is AK960277.

The samples were analyzed for volatile organic compounds by GC/MSD, diesel range organics, and gasoline range organics at the AGRA Earth & Environmental Portland Chemistry Laboratory. Samples MW-2, MW-3, and GWP-3 were subcontracted to American Environmental Network (NET) for PAH analysis. The NET data will be reported under separate cover at a later date.

All analyses were conducted in accordance with applicable QA/QC guidelines. The results apply only to the samples submitted.

Please feel free to contact me if you have any questions regarding this report, or if I can be of any assistance in any other matter.

Respectfully submitted,

AGRA Earth & Environmental

Sean Gormley
Laboratory Manager
Laboratory ID # UST-008

Project: Seekins Ford - Lincoln Mercury
Project No.: 6-024-01173-0T04
Project Manager: James Spontak
Sample Matrix: Water

Service Request No.: AK960277
Report Date: 5/9/96
Report No.: 96027703
C.O.C. No.: 02920

Volatile Organic Compounds by GC/MSD
EPA Method 624
ug/L(ppb)

Sample Name:	(a) MW-1	MW-2	(b) MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	Reporting
Lab Code:	0277-1	0277-2	0277-3	0277-4	0277-5	0277-6	0277-7	0277-8	Limit
Dichlorodifluoromethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Chloromethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Vinyl Chloride	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Bromomethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Chloroethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Trichlorofluoromethane	<300	ND	ND	ND	ND	10.1	13.4	16.4	1.0
1,1-Dichloroethene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Acetone	<6000	ND	ND	ND	ND	27.2	ND	36.2	20
Carbon Disulfide	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Methylene Chloride	ND (c)	ND	230	ND	ND	ND	ND	4.01	1.0
trans-1,2-Dichloroethene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,1-Dichloroethane	<300	1.88	ND	ND	1.45	2.93	ND	ND	1.0
2,2-Dichloropropane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
cis-1,2-Dichloroethene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
2-Butanone(MEK)	<3000	ND	ND	ND	ND	ND	ND	18.0	10
Bromochloromethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Chloroform	<300	ND	ND	ND	ND	1.01	ND	ND	1.0
1,1,1-Trichloroethane	<300	9.39	ND	ND	ND	2.28	ND	ND	1.0
Carbon Tetrachloride	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,1-Dichloropropene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Benzene	7500	1.69	ND	ND	2.49	ND	ND	8.39	1.0
1,2-Dichloroethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Trichloroethene	<300	ND	22	ND	ND	ND	ND	ND	1.0
1,2-Dichloropropane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Dibromomethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Bromodichloromethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
cis-1,3-Dichloropropene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
4-Methyl-2-Pentanone(MIBK)	<3000	ND	ND	ND	ND	ND	ND	ND	10
Toluene	54,000	1.00	48	ND	7.82	5.37	16.9	10.2	1.0
trans-1,3-Dichloropropene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,1,2-Trichloroethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Tetrachloroethene	<300	1.71	23	ND	ND	5.23	ND	ND	1.0
2-Hexanone	<3000	ND	ND	ND	ND	ND	ND	ND	10
1,3-Dichloropropane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Dibromochloromethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,2-Dibromoethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Chlorobenzene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,1,1,2-Tetrachloroethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Ethylbenzene	5600	10.2	14	ND	2.49	2.71	4.77	6.35	1.0
m,p-Xylene	21,000	13.4	56	ND	13.6	10.4	18.3	24.5	1.0
o-Xylene	9200	ND	33	ND	7.52	4.84	8.34	12.5	1.0
Styrene	<300	ND	ND	ND	ND	ND	ND	ND	1.0

ND Not Detected

a) Results are from a 1:300 dilution.

b) Results are from a 1:5 dilution.

c) Analyzed on 5/8/96 with a ND result.

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Earth & Environmental

Project: Seekins Ford - Lincoln Mercury
Project No.: 6-024-01173-0T04
Project Manager: James Spontak
Sample Matrix: Water

Service Request No.: AK960277
Report Date: 5/9/96
Report No.: 96027703
C.O.C. No.: 02920

Volatile Organic Compounds by GC/MSD
EPA Method 624
ug/L(ppb)

Sample Name:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	**Reporting**
Lab Code:	0277-1	0277-2	0277-3	0277-4	0277-5	0277-6	0277-7	0277-8	**Limit**
Bromoform	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Isopropylbenzene	<300	3.53	ND	ND	1.85	3.11	2.50	3.84	1.0
Bromobenzene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,1,2,2-Tetrachloroethane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,2,3-Trichloropropane	<300	ND	ND	ND	ND	ND	ND	1.14	1.0
n-Propylbenzene	420	9.59	6.4	ND	4.43	8.96	5.78	9.67	1.0
2-Chlorotoluene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
4-Chlorotoluene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,3,5-Trimethylbenzene	740	16.2	18	ND	15.0	11.7	7.45	13.0	1.0
tert-Butylbenzene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,2,4-Trimethylbenzene	3000	22.2	49	ND	36.2	37.7	25.8	41.8	1.0
sec-Butylbenzene	<300	ND	ND	ND	2.68	4.73	1.33	2.64	1.0
1,3-Dichlorobenzene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
4-Isopropyltoluene	<300	1.30	7.6	ND	3.50	8.89	2.47	4.06	1.0
1,4-Dichlorobenzene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,2-Dichlorobenzene	<300	ND	86	ND	2.71	ND	ND	ND	1.0
n-Butylbenzene	<300	ND	ND	ND	ND	11.0	2.42	5.06	1.0
1,2-Dibromo-3-Chloropropane	<300	ND	ND	ND	ND	ND	ND	ND	1.0
1,2,4-Trichlorobenzene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Hexachlorobutadiene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Naphthalene	<300	ND	ND	ND	18.0	35.2	12.0	20.4	5.0
1,2,3-Trichlorobenzene	<300	ND	ND	ND	ND	ND	ND	ND	1.0
Sample Date:	5/1/96	5/1/96	5/1/96	5/1/96	5/1/96	5/1/96	5/1/96	5/1/96	
Analysis Date:	5/7/96	5/7/96	5/7/96	5/7/96	5/7/96	5/7/96	5/7/96	5/7/96	
Surrogate Recoveries:									**EPA %Recovery Acceptance**
Dibromofluoromethane:	101%	98.1%	101%	98.7%	102%	104%	102%	99.1%	86%-118%
Toluene-d_8:	100%	98.5%	97.9%	98.6%	97.8%	98.8%	98.8%	99.0%	88%-110%
4-Bromofluorobenzene:	108%	108%	107%	110%	106%	104%	104%	105%	86%-115%

ND Not Detected

Signature of Chemist

Laboratory Manager

AGRA
Earth & Environmental

Project: Seekins Ford - Lincoln Mercury
Project No.: 6-024-01173-0T04
Project Manager: James Spontak
Sample Matrix: Water

Service Request No.: AK960277
Report Date: 5/9/96
Report No.: 96027704
C.O.C. No.: 02920

Volatile Organic Compounds by GC/MSD
EPA Method 624
ug/L(ppb)

Sample Name:	MW-9	GWP-1	GWP-2	GWP-3	(a) DUP-1	Trip Blank	Lab Blank	Reporting
Lab Code:	0277-9	0277-10	0277-11	0277-12	0277-13	0277-14	0277-MB	**Limit**
Dichlorodifluoromethane	ND	ND	ND	ND	<300	ND	ND	1.0
Chloromethane	ND	ND	ND	ND	<300	ND	ND	1.0
Vinyl Chloride	ND	ND	ND	ND	<300	ND	ND	1.0
Bromomethane	ND	ND	ND	ND	<300	ND	ND	1.0
Chloroethane	ND	ND	ND	ND	<300	ND	ND	1.0
Trichlorofluoromethane	ND	ND	33.4	2.22	<300	ND	ND	1.0
1,1-Dichloroethene	ND	ND	ND	ND	<300	ND	ND	1.0
Acetone	ND	ND	ND	ND	<6000	ND	ND	20
Carbon Disulfide	ND	ND	ND	ND	<300	ND	ND	1.0
Methylene Chloride	3.56	3.63	3.87	4.91	ND (c)	ND	ND	1.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	<300	ND	ND	1.0
1,1-Dichloroethane	ND	ND	ND	ND	<300	ND	ND	1.0
2,2-Dichloropropane	ND	ND	ND	ND	<300	ND	ND	1.0
cis-1,2-Dichloroethene	ND	ND	ND	ND	<300	ND	ND	1.0
2-Butanone(MEK)	ND	ND	ND	ND	<3000	ND	ND	10
Bromochloromethane	ND	ND	ND	ND	<300	ND	ND	1.0
Chloroform	ND	ND	ND	ND	<300	ND	ND	1.0
1,1,1-Trichloroethane	ND	ND	ND	ND	<300	ND	ND	1.0
Carbon Tetrachloride	ND	ND	ND	ND	<300	ND	ND	1.0
1,1-Dichloropropene	ND	ND	ND	ND	<300	ND	ND	1.0
Benzene	ND	117	ND	ND	10,000	ND	ND	1.0
1,2-Dichloroethane	ND	ND	ND	ND	<300	ND	ND	1.0
Trichloroethene	ND	ND	ND	ND	<300	ND	ND	1.0
1,2-Dichloropropane	ND	ND	ND	ND	<300	ND	ND	1.0
Dibromomethane	ND	ND	ND	ND	<300	ND	ND	1.0
Bromodichloromethane	ND	ND	ND	ND	<300	ND	ND	1.0
cis-1,3-Dichloropropene	ND	ND	ND	ND	<300	ND	ND	1.0
4-Methyl-2-Pentanone(MIBK)	ND	ND	ND	ND	<3000	ND	ND	10
Toluene	2.53	ND	ND	ND	72,000	ND	ND	1.0
trans-1,3-Dichloropropene	ND	ND	ND	ND	<300	ND	ND	1.0
1,1,2-Trichloroethane	ND	ND	ND	ND	<300	ND	ND	1.0
Tetrachloroethene	ND	ND	ND	ND	<300	ND	ND	1.0
2-Hexanone	ND	ND	ND	ND	<3000	ND	ND	10
1,3-Dichloropropane	ND	ND	ND	ND	<300	ND	ND	1.0
Dibromochloromethane	ND	ND	ND	ND	<300	ND	ND	1.0
1,2-Dibromoethane	ND	ND	ND	ND	<300	ND	ND	1.0
Chlorobenzene	ND	ND	ND	ND	<300	ND	ND	1.0
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	<300	ND	ND	1.0
Ethylbenzene	1.00	1.36	ND	ND	6600	ND	ND	1.0
m,p-Xylene	3.62	15.9	ND	ND	25,000	ND	ND	1.0
o-Xylene	1.66	ND	ND	ND	11,000	ND	ND	1.0
Styrene	ND	ND	ND	ND	<300	ND	ND	1.0

ND Not Detected
(a) Results are from a 1:300 dilution.
(b) Analyzed on 5/8/96 with a ND result.

AGRA
Earth & Environmental

Project: Seekins Ford - Lincoln Mercury
Project No.: 6-024-01173-0T04
Project Manager: James Spontak
Sample Matrix: Water

Service Request No.: AK960277
Report Date: 5/9/96
Report No.: 96027704
C.O.C. No.: 02920

Volatile Organic Compounds by GC/MSD
EPA Method 624
ug/L(ppb)

Sample Name:	MW-9	GWP-1	GWP-2	GWP-3	(a) DUP-1	Trip Blank	Lab Blank	**Reporting**
Lab Code:	0277-9	0277-10	0277-11	0277-12	0277-13	0277-14	0277-MB	**Limit**
Bromoform	ND	ND	ND	ND	<300	ND	ND	1.0
Isopropylbenzene	1.08	3.70	ND	ND	<300	ND	ND	1.0
Bromobenzene	ND	ND	ND	ND	<300	ND	ND	1.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	<300	ND	ND	1.0
1,2,3-Trichloropropane	ND	ND	ND	ND	<300	ND	ND	1.0
n-Propylbenzene	2.95	1.53	ND	ND	410	ND	ND	1.0
2-Chlorotoluene	ND	ND	ND	ND	<300	ND	ND	1.0
4-Chlorotoluene	ND	ND	ND	ND	<300	ND	ND	1.0
1,3,5-Trimethylbenzene	3.43	ND	ND	ND	780	ND	ND	1.0
tert-Butylbenzene	ND	ND	ND	ND	<300	ND	ND	1.0
1,2,4-Trimethylbenzene	11.32	ND	ND	ND	3100	ND	ND	1.0
sec-Butylbenzene	1.67	ND	ND	ND	<300	ND	ND	1.0
1,3-Dichlorobenzene	ND	ND	ND	ND	<300	ND	ND	1.0
4-Isopropyltoluene	2.11	ND	ND	ND	<300	ND	ND	1.0
1,4-Dichlorobenzene	ND	ND	ND	ND	<300	ND	ND	1.0
1,2-Dichlorobenzene	ND	ND	ND	ND	<300	ND	ND	1.0
n-Butylbenzene	3.72	ND	ND	ND	<300	ND	ND	1.0
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	<300	ND	ND	1.0
1,2,4-Trichlorobenzene	ND	ND	ND	ND	<300	ND	ND	1.0
Hexachlorobutadiene	ND	ND	ND	ND	<300	ND	ND	1.0
Naphthalene	10.9	ND	ND	ND	<300	ND	ND	5.0
1,2,3-Trichlorobenzene	ND	ND	ND	ND	<300	ND	ND	1.0
Sample Date:	5/1/96	5/1/96	5/1/96	5/1/96	5/1/96	5/1/96	5/7/96	
Analysis Date:	5/7/96	5/7/96	5/7/96	5/7/96	5/7/96	5/7/96	5/7/96	
Surrogate Recoveries:								**EPA %Recovery Acceptance**
Dibromofluoromethane:	100%	101%	102%	100%	102%	98.7%	102%	86%-118%
Toluene-d_8:	98.3%	99.3%	99.4%	99.2%	99.5%	98.4%	98.0%	88%-110%
4-Bromofluorobenzene:	105%	106%	105%	108%	107%	108%	108%	86%-115%

ND Not Detected

Signature of Chemist

Laboratory Manager

AGRA
Earth & Environmental

Project: Seekins Ford - Lincoln Mercury
Project No.: 6-024-01173-0T04
Project Manager: James Spontak
Sample Matrix: Water

Service Request No.: AK960277
Report Date: 5/9/96
Report No.: 96027705
C.O.C.: 02920

QC Data Report
MS/MSD Summary
Volatile Organic Compounds by GC/MS
EPA Method 624
ug/L(ppb)

Sample Name: / **Lab Code:**	MW4 0277-4	Spike Level (ug/L)	Matrix Spike	Percent Recovery (MS)	Matrix Spike Duplicate	Percent Recovery (DMS)	EPA % Recovery Acceptance Criteria (a)	Relative Percent Difference (RPD)
1,1 - Dichloroethene	ND	50	55.6	111	54.7	109	75% - 113%	1.8
Benzene	ND	50	54.2	108	54.3	109	77% - 117%	<1.0
Trichloroethene	ND	50	51.5	103	50.6	101	70% - 110%	2.0
Toluene	ND	50	54.9	110	55.0	110	77% - 126%	<1.0
Chlorobenzene	ND	50	52.6	105	54.8	110	80% - 116%	4.6
Sample Date:	5/1/96	~	5/1/96	~	5/1/96	~	~	
Analysis Date:	5/7/96	~	5/7/96	~	5/7/96	~	~	
Surrogate Recovery:							**Control Limits**	
Dibromofluoromethane:	98.7%	~	102%	~	101%	~	86%-118%	
Toluene-d_8:	98.6%	~	99.0%	~	100%	~	88%-110%	
4-Bromofluorobenzene:	110%	~	106%	~	107%	~	86%-115%	

ND Not Detected
(a) Criteria from EPA Method 8260A, Table 6.

Signature of Chemist

Laboratory Manager

AGRA
Earth & Environmental

Project: Seekins Ford - Lincoln Mercury
Project No.: 6-024-01173-0T04
Project Manager: James Spontak
Sample Matrix: Water

Service Request No.: AK960277
Report Date: 5/9/96
Report No.: 96027701
C.O.C. No.: 02920

Gasoline Range Organics
ADEC Method AK 101
ug/L(ppb)

Sample Name	Lab Code	Sample Date	Analysis Date	Method Reporting Limit	Result	Surrogate Recovery a,a,a - TFT
MW-1	0277-1	5/1/96	5/7/96	10,000(a)	240,000(b)	93.1
MW-2	0277-2	5/1/96	5/6/96	50.0	259	103
MW-3	0277-3	5/1/96	5/7/96	50.0	996(c)	93.2
MW-4	0277-4	5/1/96	5/7/96	50.0	ND	93.0
MW-5	0277-5	5/1/96	5/7/96	50.0	169(c)	95.3
MW-6	0277-6	5/1/96	5/7/96	50.0	118(c)	92.9
MW-7	0277-7	5/1/96	5/7/96	50.0	258(c)	94.6
MW-8	0277-8	5/1/96	5/7/96	50.0	354(c)	94.0
MW-9	0277-9	5/1/96	5/7/96	50.0	55.8(c)	93.9
GWP-1	0277-10	5/1/96	5/7/96	50.0	340(d)	93.5
GWP-2	0277-11	5/1/96	5/7/96	50.0	ND	92.0
GWP-3	0277-12	5/1/96	5/7/96	50.0	ND	91.8
DUP-1	0277-13	5/1/96	5/7/96	10,000(a)	220,000(b)	92.6
Trip Blank	0277-14	5/1/96	5/7/96	50.0	ND	91.5
Lab Blank	0277-MB	5/6/96	5/6/96	50.0	ND	92.1
Lab Blank	0277-MB	5/7/96	5/7/96	50.0	ND	92.4

ND Not Detected

Acceptance Criteria 50%-150%

(a) Elevated method reporting limit due to a 1:200 dilution.
(b) Result is from a 1:200 dilution.
(c) Chromatographic peaks were quantified as gasoline; however, the chromatographic peak pattern suggests a heavier organic material such as diesel or mineral spirits.
(d) Chromatographic peaks were quantified as gasoline; however, the chromatographic peak pattern indicates that benzene produced the majority of the quantifiable area for gasoline.

Signature of Chemist

Laboratory Manager

AGRA
Earth & Environmental

Project: Seekins Ford - Lincoln Mercury
Project No.: 6-024-01173-0T04
Project Manager: James Spontak
Sample Matrix: Water

Service Request No.: AK960277
Report Date: 5/9/96
Report No.: 96027702
C.O.C. No.: 02920

QC Data Report
Matrix Spike Recoveries
Gasoline Range Organics
ADEC Method AK101
ug/L(ppb)

Sample Name:	MW-2	Spike Level	Matrix Spike	Percent Recovery	Matrix Spike Duplicate	Percent Recovery	Relative Percent
Lab Code:	0277-2	(ug/L)	(MS)	(MS)	(MSD)	(MSD)	Difference
Gasoline:	281	638	859	90.6	891	95.6	3.66
Acceptance Limits:	~	~	~	75%-125%	~	75%-125%	<25
Sample Date:	5/1/96	~	5/1/96	~	5/1/96	~	~
Analysis Date:	5/6/96	~	5/6/96	~	5/6/96	~	~
Surrogate Recovery:							**Control Limits**
a,a,a-Trifluorotoluene:	103%	~	111%	~	110%	~	38%-150%

ND Not Detected
Spike Source: ERA Gasoline Standard, Lot # 50008

Signature of Chemist

Laboratory Manager

AGRA
Earth & Environmental

Project: Seekins Ford - Lincoln Mercury
Project No.: 6-024-01173-0T04
Project Manager: James Spontak
Sample Matrix: Water

Service Request No.: AK960277
Report Date: 5/10/96
Report No.: 96027706
C.O.C. No.: 02920

Diesel Range Organics
ADEC Method AK 102
mg/L(ppm)

Sample Name	Lab Code	Sample Date	Extraction Date	Analysis Date	Diesel Result	Surrogate Recovery 2-Fluorobiphenyl
MW-1	0277-1	5/1/96	5/7/96	5/8/96	6.2(a)(b)	(c)
MW-2	0277-2	5/1/96	5/7/96	5/8/96	0.74	(c)
MW-3	0277-3	5/1/96	5/7/96	5/8/96	5.4(a)	(c)
MW-4	0277-4	5/1/96	5/7/96	5/8/96	0.24	(c)
MW-5	0277-5	5/1/96	5/7/96	5/8/96	1.1(b)	(c)
MW-6	0277-6	5/1/96	5/7/96	5/9/96	0.94(b)	(c)
MW-7	0277-7	5/1/96	5/7/96	5/9/96	0.47(b)	(c)
MW-8	0277-8	5/1/96	5/7/96	5/9/96	0.69(b)	(c)
MW-9	0277-9	5/1/96	5/7/96	5/9/96	0.84(b)	(c)
GWP-1	0277-10	5/1/96	5/7/96	5/9/96	0.48(a)(b)	(c)
GWP-2	0277-11	5/1/96	5/7/96	5/9/96	0.35(b)	(c)
GWP-3	0277-12	5/1/96	5/7/96	5/9/96	0.17(b)	(c)
DUP-1	0277-13	5/1/96	5/7/96	5/9/96	5.6(a)(b)	(c)
Lab Blank	0277-MB	5/7/96	5/7/96	5/8/96	<0.05	120

Acceptance Criteria: 50%-150%

(a) Result is from a 1:5 dilution.
(b) Chromatographic peaks were quantitated as diesel; however, the chromatographic peak pattern does not resemble the diesel standard.
(c) Surrogate recovery cannot be determined due to the presence of target and non-target analytes within the retention time window of 2-Fluorobiphenyl.

Signature of Chemist

Laboratory Manager

AGRA
Earth & Environmental

Project: Seekins Ford - Lincoln Mercury
Project No.: 6-024-01173-0T04
Project Manager: James Spontak
Sample Matrix: Water

Service Request No.: AK960277
Report Date: 5/10/96
Report No.: 96027707
C.O.C. No.: 02920

Quality Assurance Data Report
Laboratory Control Sample Summary
Diesel Range Organics
ADEC Method AK 102
mg/L(ppm)

Standard Source	Lab Code	True Value	LCS Result	LCS Recovery	LCS Dup Result	LCS Dup Recovery	% Recovery Acceptance Limits	RPD LCS/LCS Dup
Restek *	0277-MB	0.50	0.48	96	0.50	100	75-125	4.1
Date Extracted:	~	~	5/7/96	~	5/7/96	~		
Date Analyzed:	~	~	5/8/96	~	5/8/96	~		
Surrogate Recovery:							**ADEC Acceptance Criteria**	
2-Fluorobiphenyl:	~	~	88%	~	90%	~	50%-150%	

* Restek Diesel Fuel (Lot # A005769)

Signature of Chemist

Laboratory Manager

AGRA
Earth & Environmental

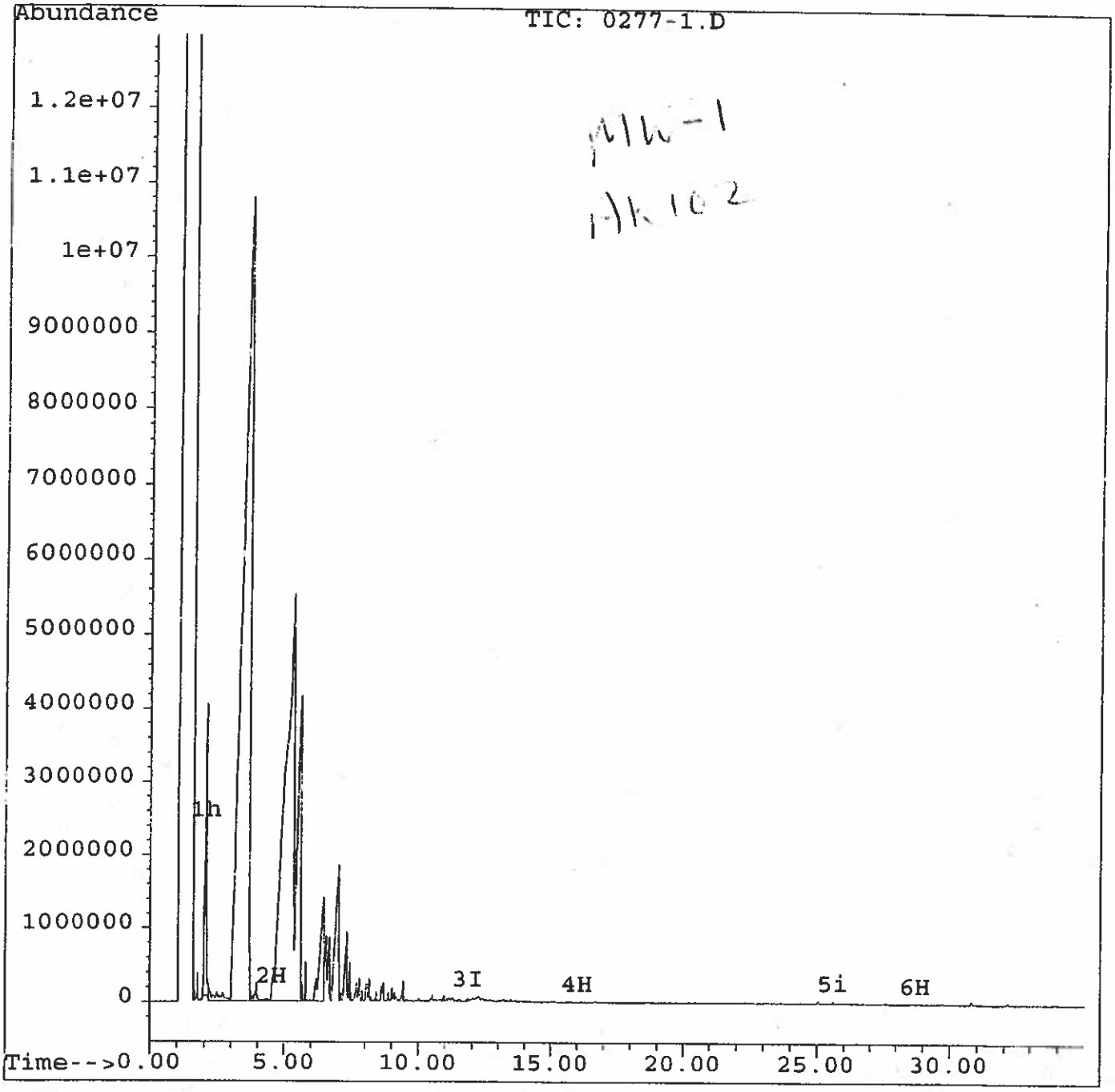
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-1.D
Acq On : 08 May 96 08:11 AM
Sample : 0277-1 1L TO 1ML
Misc :
Quant Time: May 8 9:11 1996

Vial: 8
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Tue Apr 30 13:02:45 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



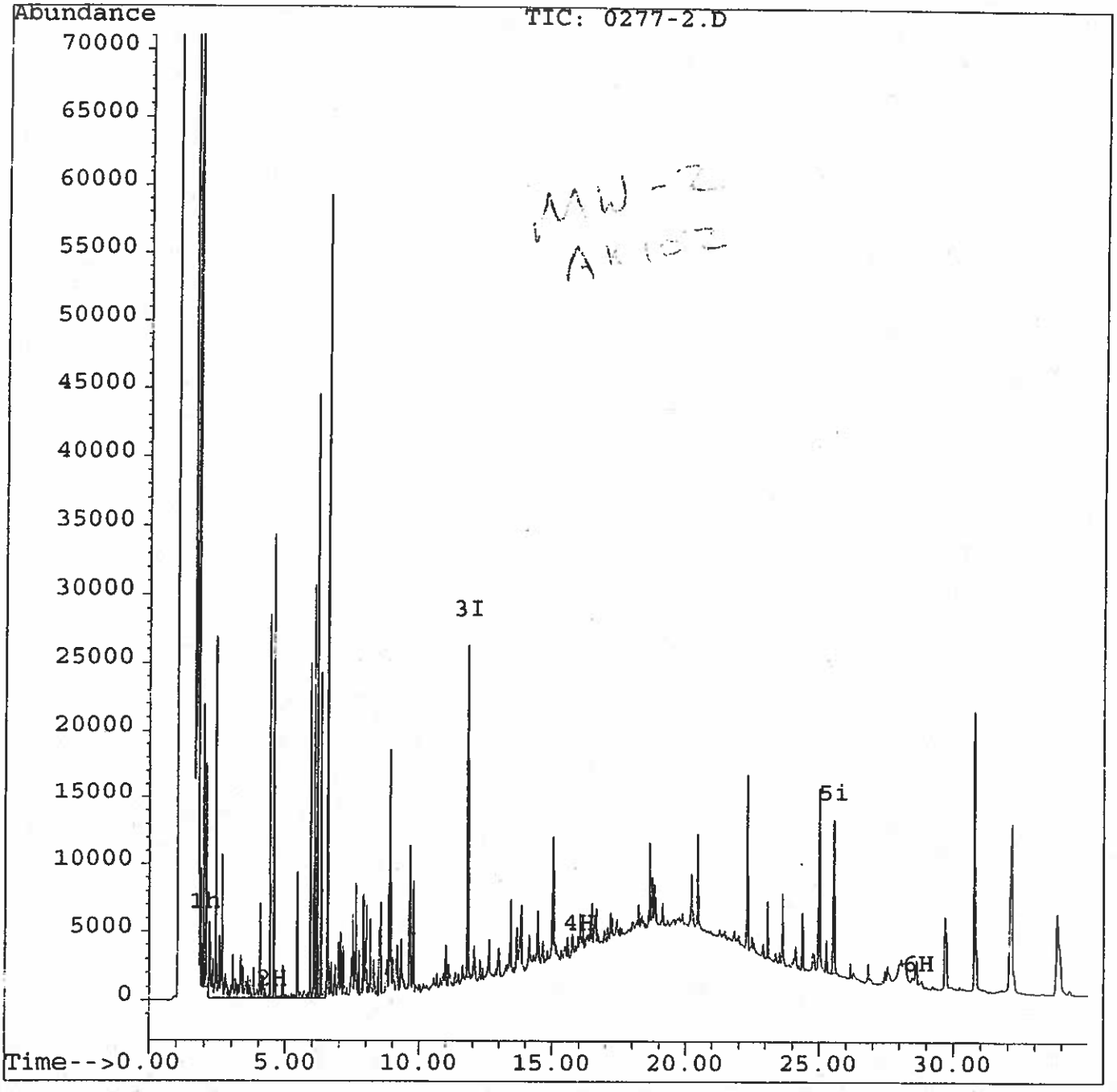
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-2.D
Acq On : 08 May 96 08:56 AM
Sample : 0277-2 1L TO 1ML
Misc :
Quant Time: May 8 9:42 1996

Vial: 9
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Tue Apr 30 13:02:45 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



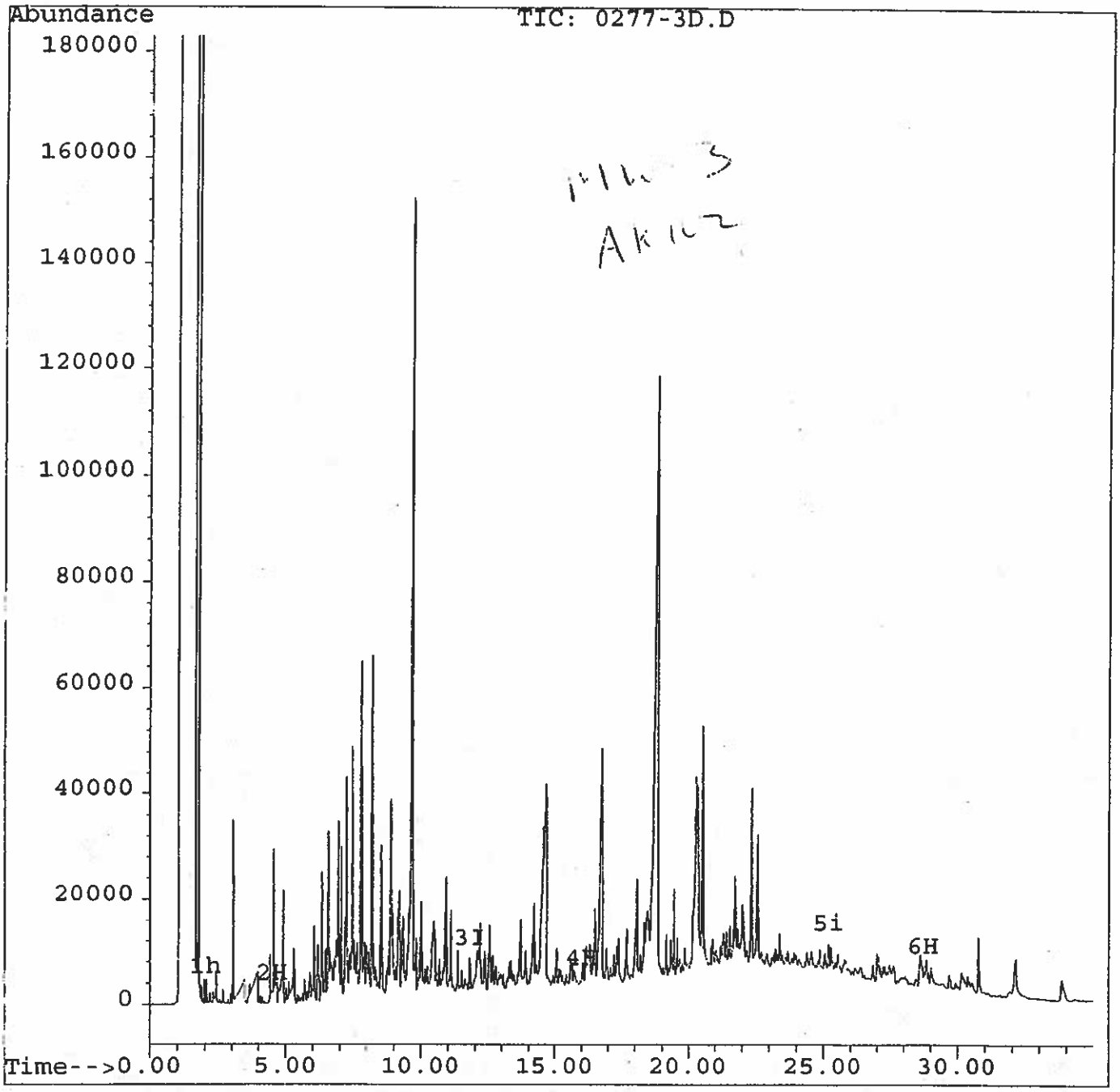
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-3D.D
Acq On : 08 May 96 10:25 AM
Sample : 0277-3 1L TO 1ML X5
Misc :
Quant Time: May 8 11:09 1996

Vial: 11
Operator:
Inst : FID-ECD
Multiplr: 0.01

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Tue Apr 30 13:02:45 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



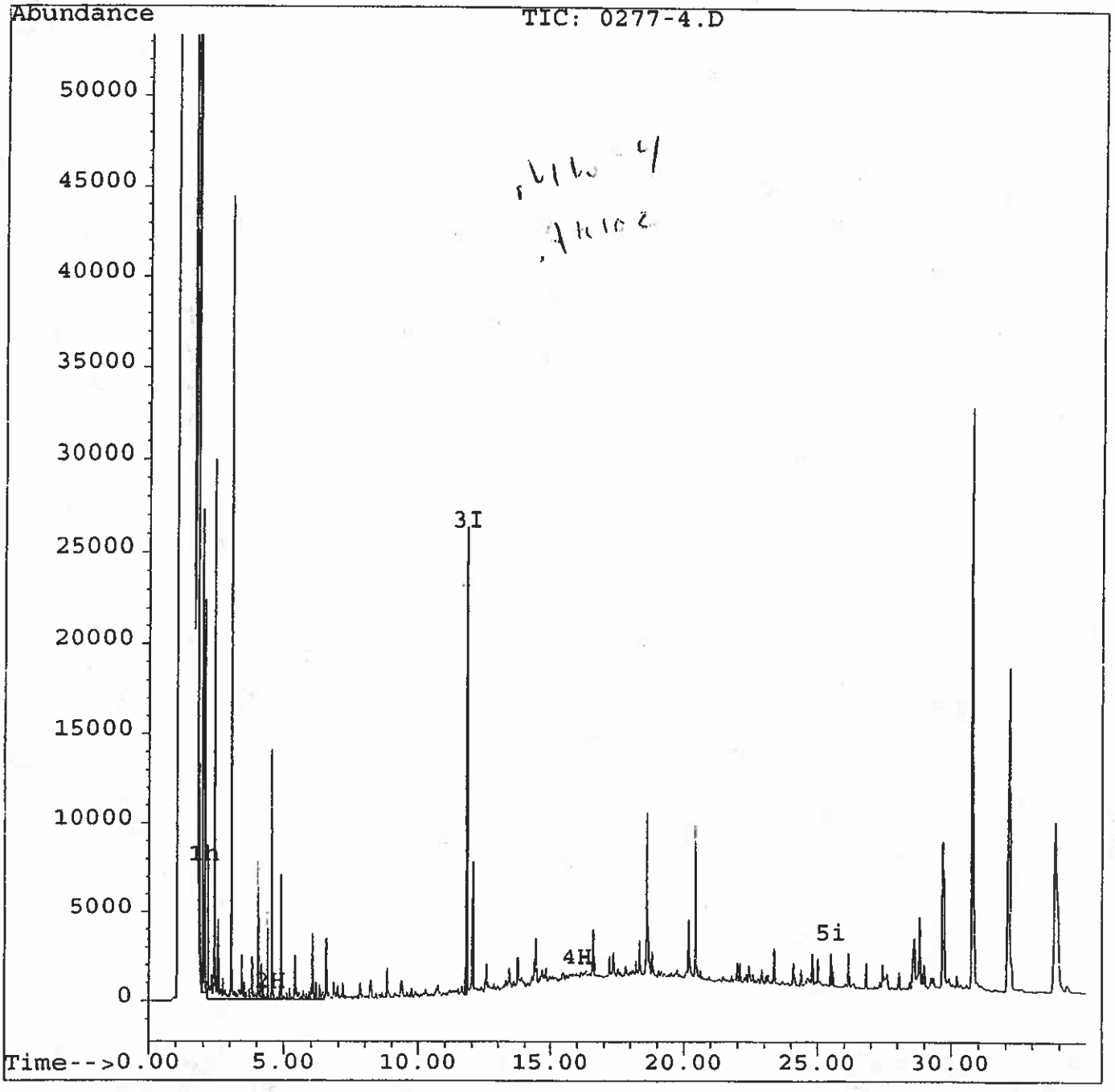
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-4.D
Acq On : 08 May 96 11:54 AM
Sample : 0277-4 1L TO 1ML
Misc :
Quant Time: May 8 13:13 1996

Vial: 12
Operator:
Inst : FID-ECD
Multiplr: 0.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Tue Apr 30 13:02:45 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



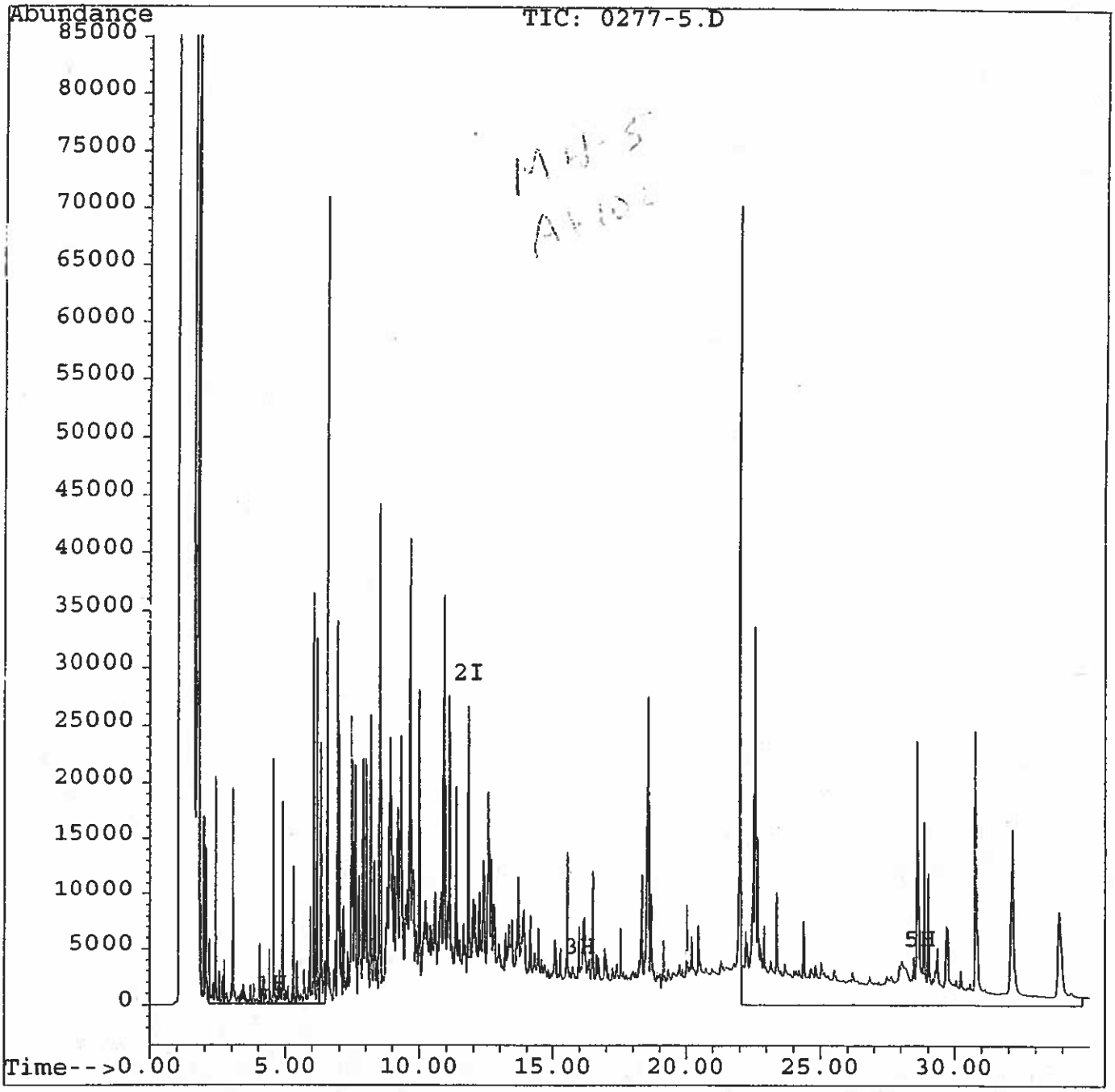
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-5.D
Acq On : 08 May 96 12:40 PM
Sample : 0277-5 1L TO 1ML
Misc :
Quant Time: May 9 12:06 1996

Vial: 13
Operator:
Inst : FID-ECD
Multiplr: 0.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Wed May 08 15:51:07 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



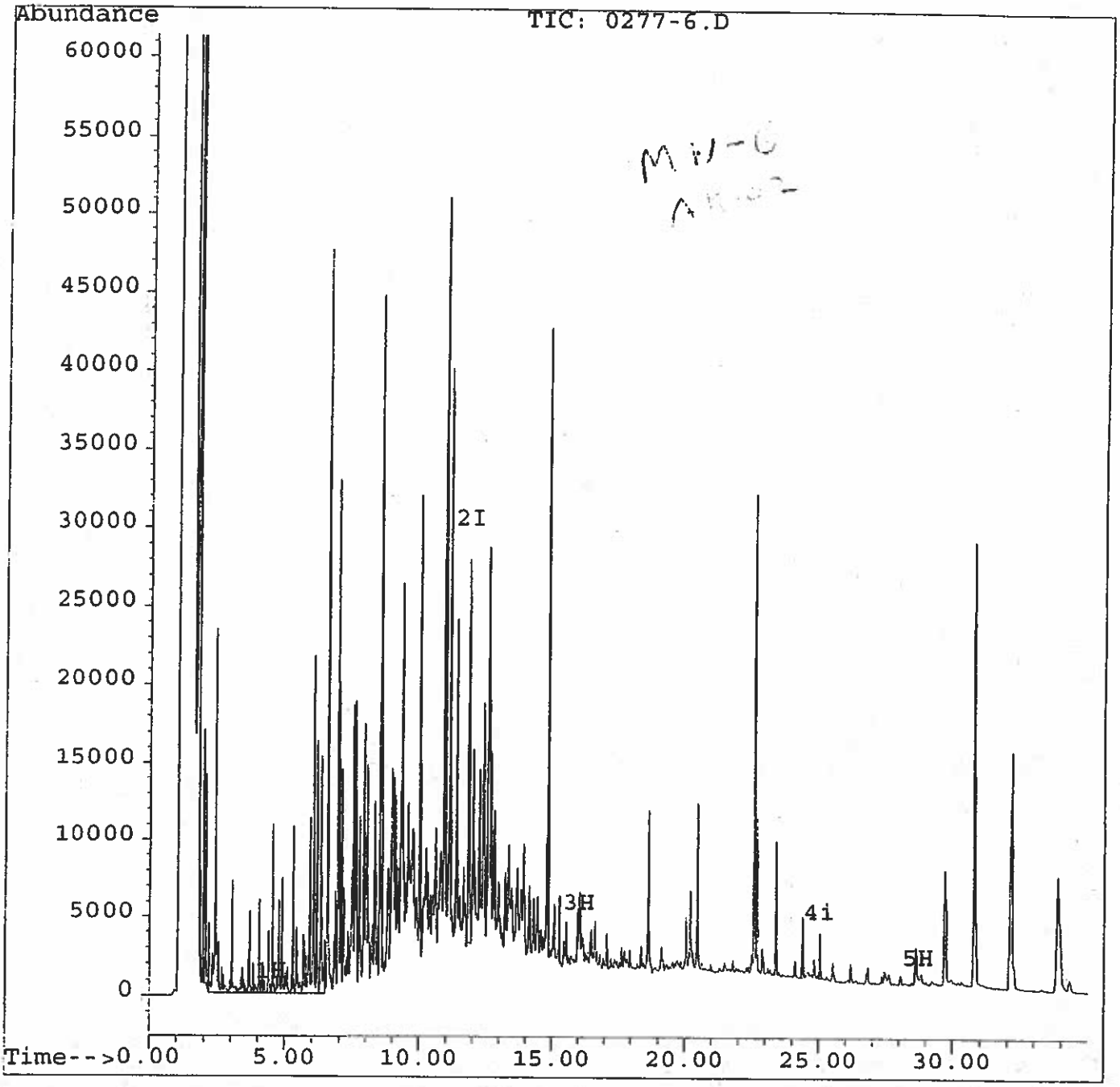
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-6.D
Acq On : 09 May 96 00:03 AM
Sample : 0277-6 1L TO 1ML
Misc :
Quant Time: May 9 12:20 1996

Vial: 14
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Wed May 08 15:51:07 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



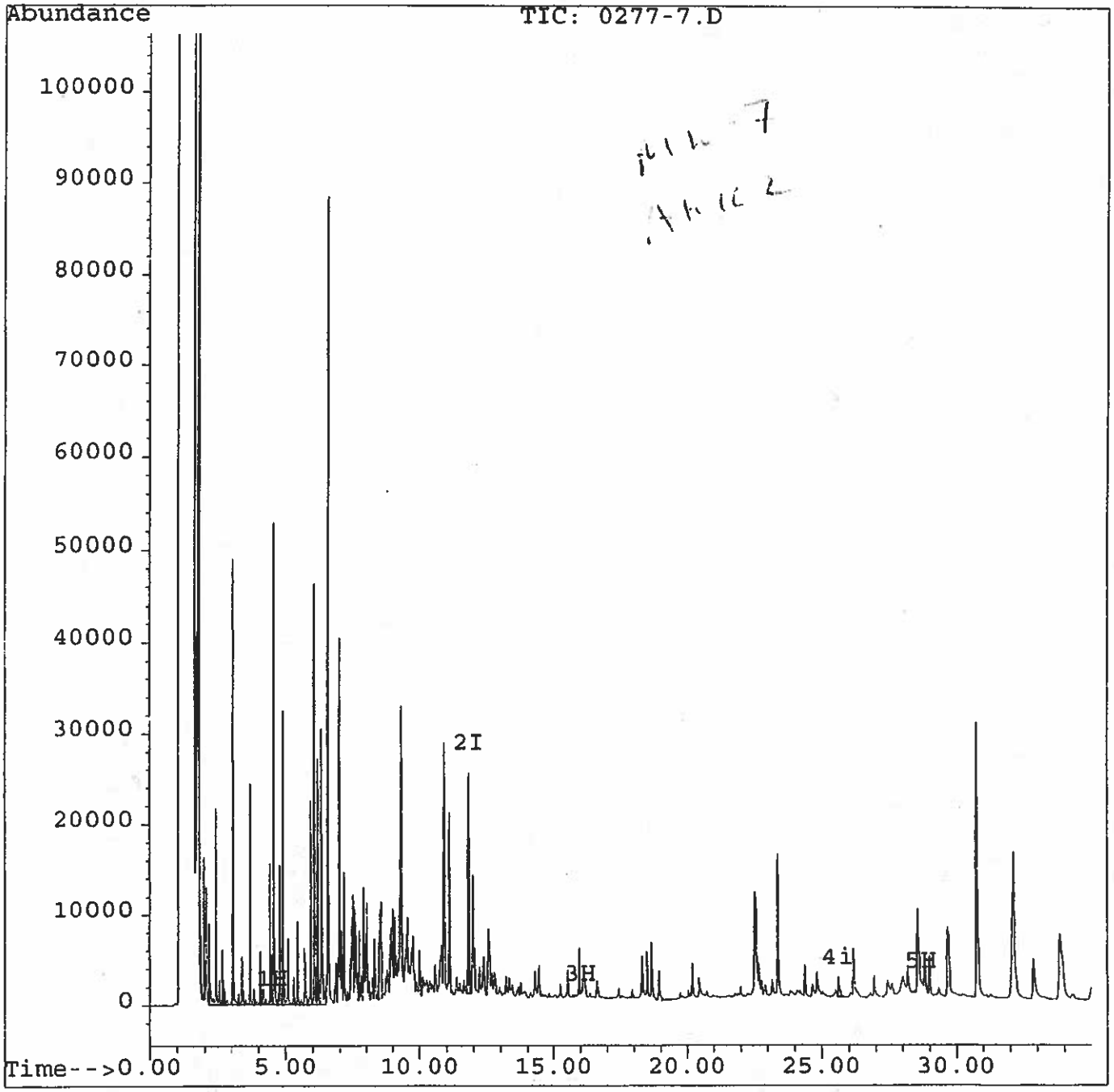
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-7.D
Acq On : 09 May 96 00:48 AM
Sample : 0277-7 1L TO 1ML
Misc :
Quant Time: May 9 12:21 1996

Vial: 15
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Wed May 08 15:51:07 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



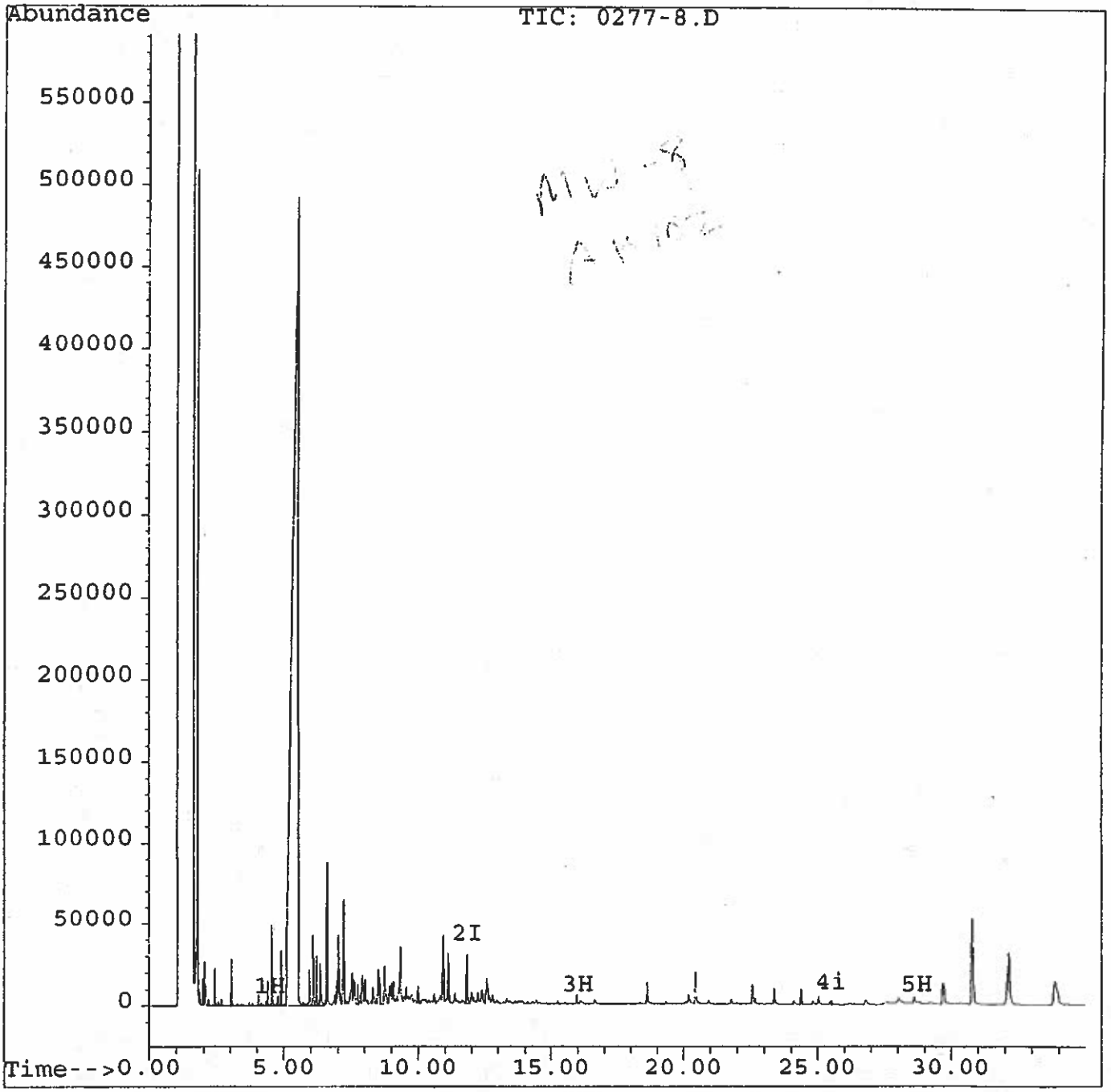
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-8.D
Acq On : 09 May 96 01:33 AM
Sample : 0277-8 1L TO 1ML
Misc :
Quant Time: May 9 12:22 1996

Vial: 16
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Wed May 08 15:51:07 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



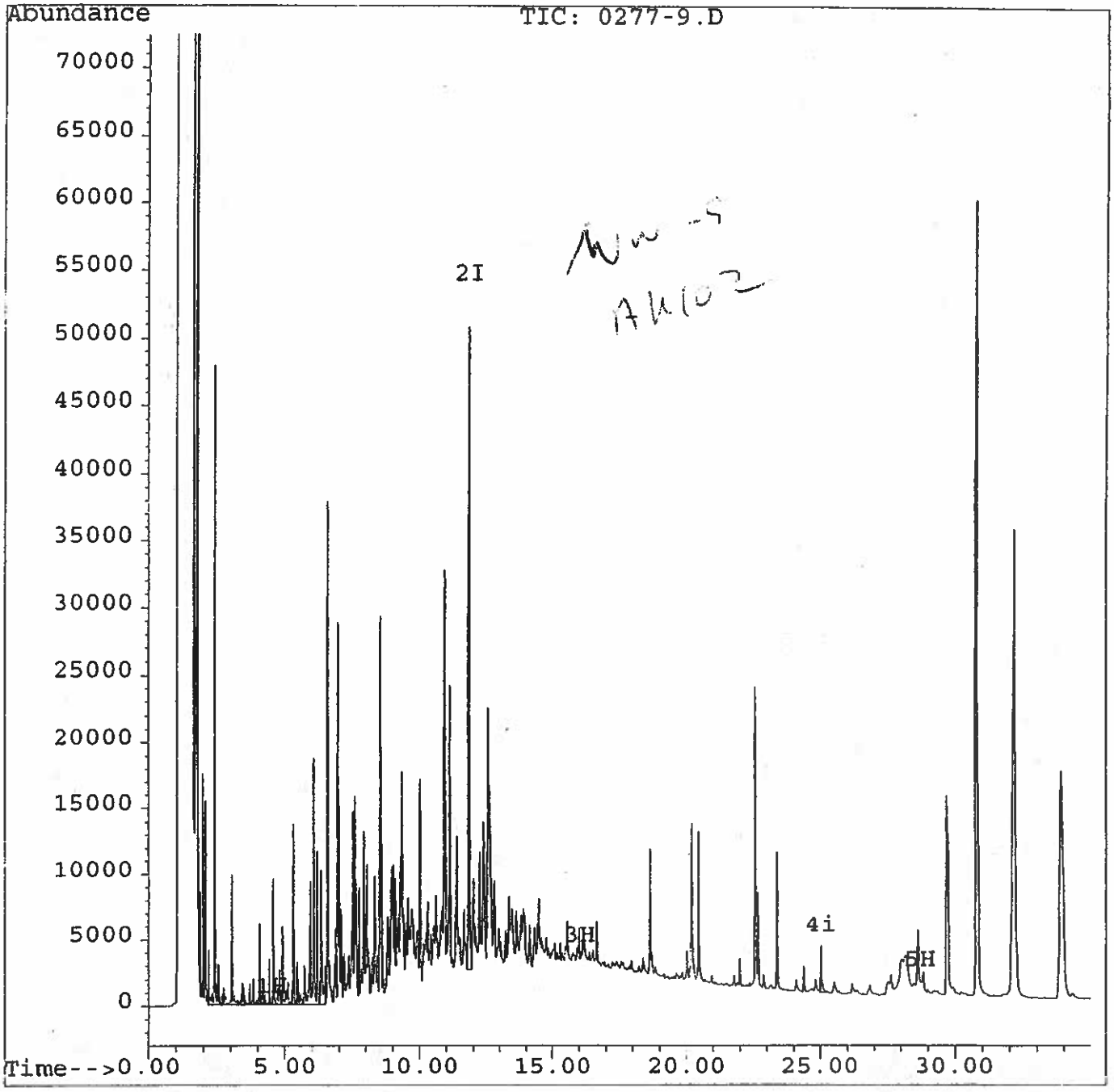
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-9.D
Acq On : 09 May 96 02:19 AM
Sample : 0277-9 1L TO 1ML
Misc :
Quant Time: May 9 12:23 1996

Vial: 17
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Wed May 08 15:51:07 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



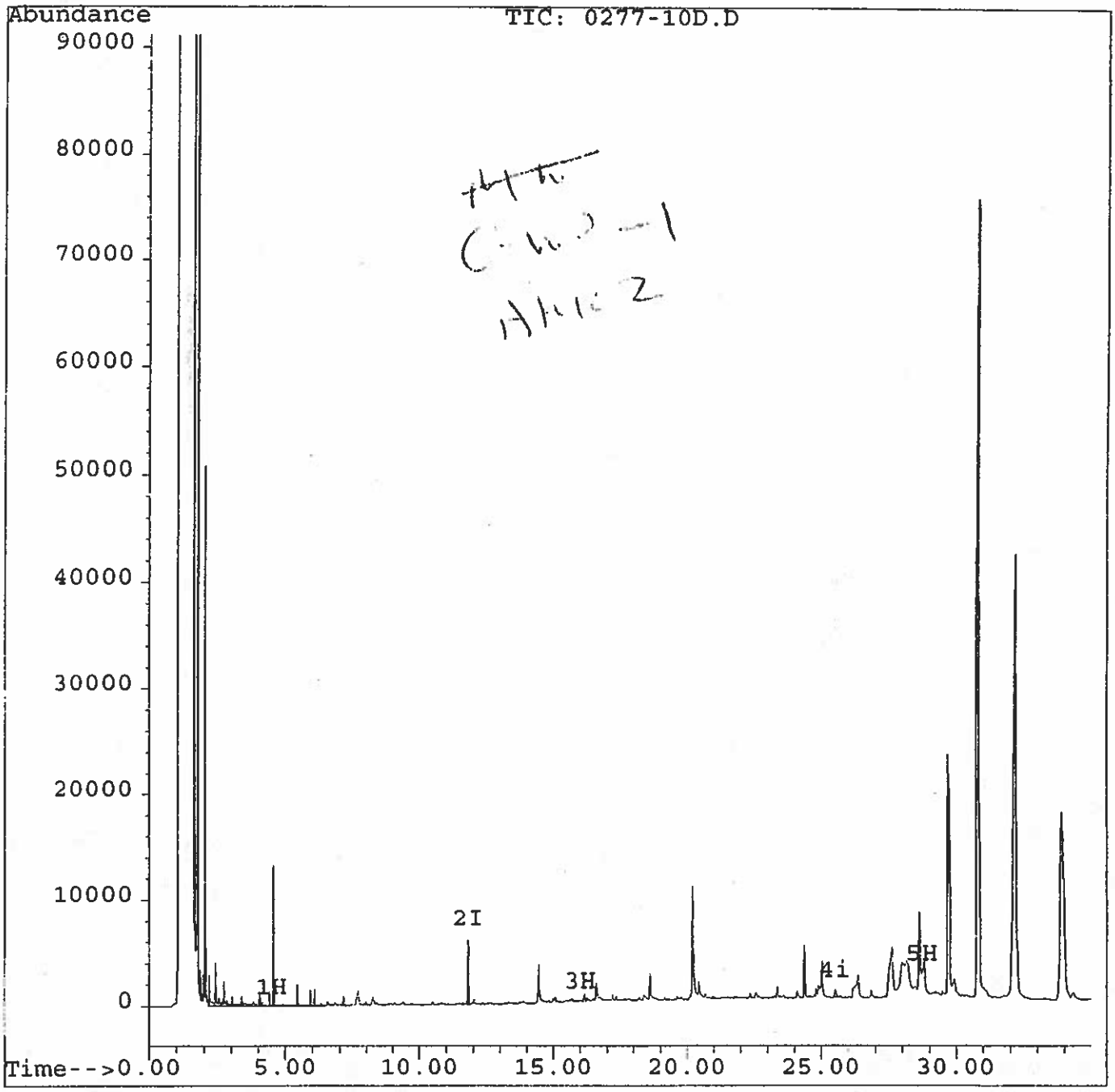
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-10D.D
Acq On : 09 May 96 03:04 AM
Sample : 0277-10 1L TO 1ML X5
Misc :
Quant Time: May 9 12:23 1996

Vial: 18
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Wed May 08 15:51:07 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



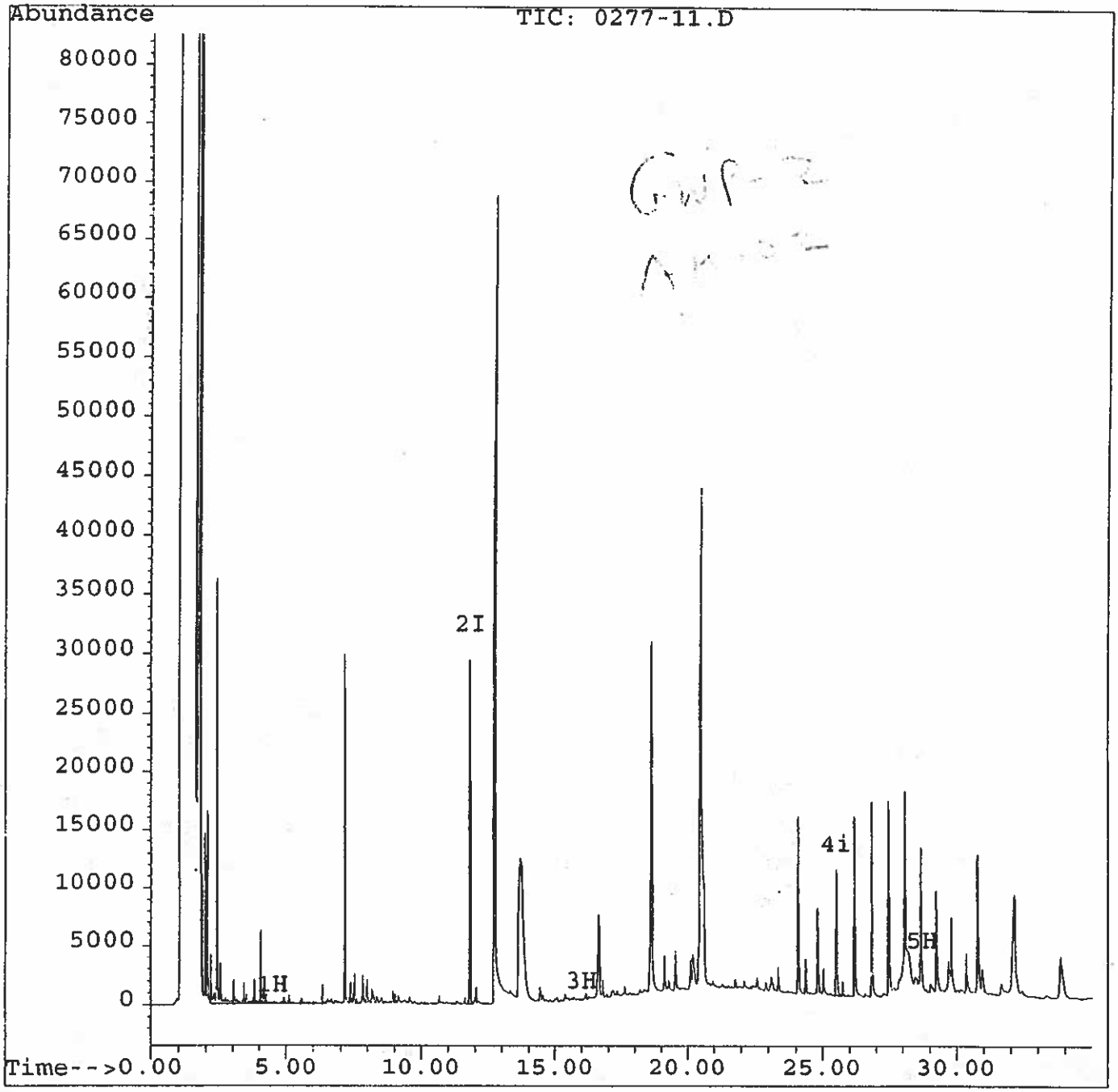
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-11.D
Acq On : 09 May 96 03:49 AM
Sample : 0277-11 1L TO 1ML
Misc :
Quant Time: May 9 12:07 1996

Vial: 19
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Wed May 08 15:51:07 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



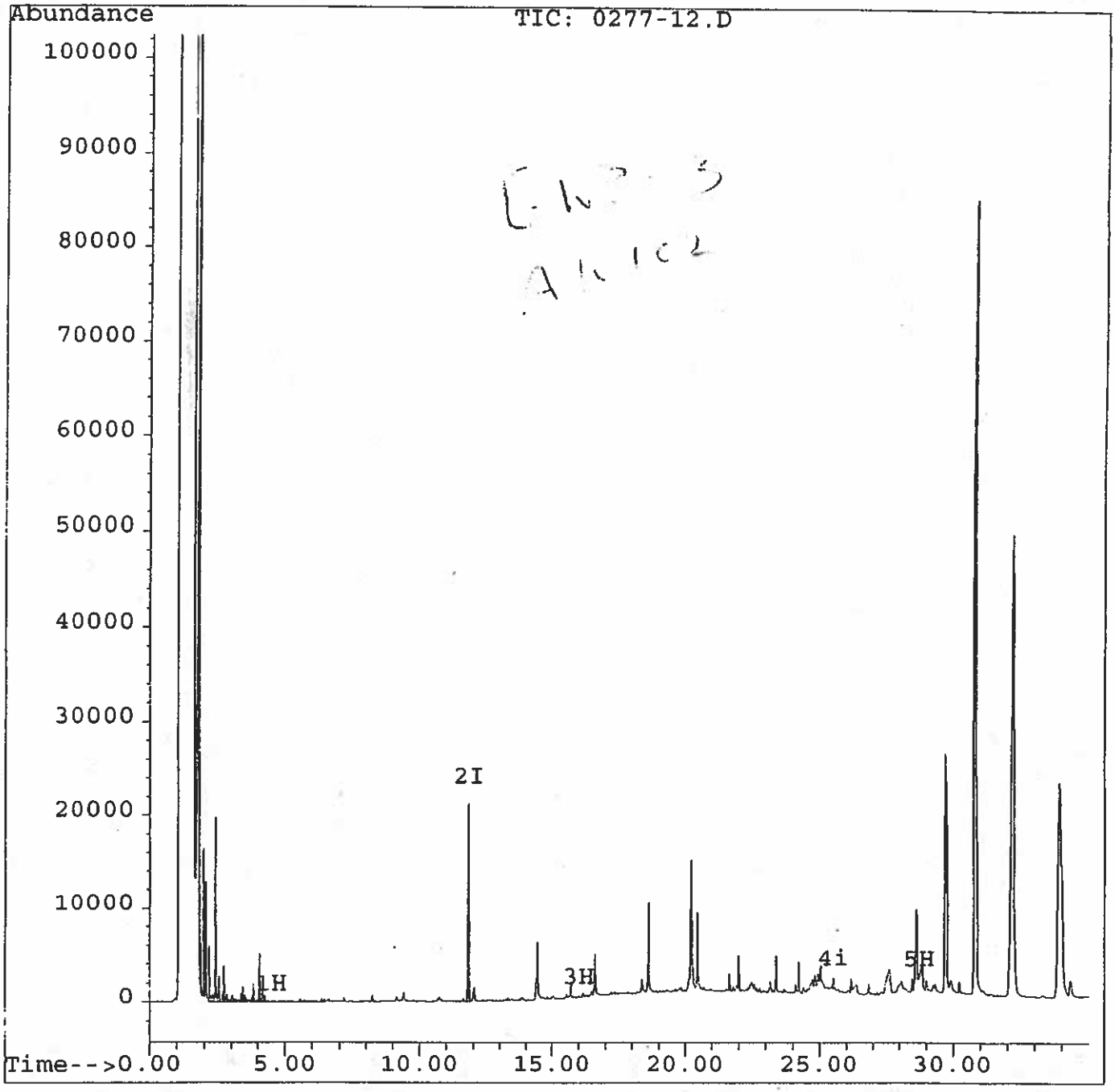
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-12.D
Acq On : 09 May 96 04:34 AM
Sample : 0277-12 1L TO 1ML
Misc :
Quant Time: May 9 12:24 1996

Vial: 20
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Wed May 08 15:51:07 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



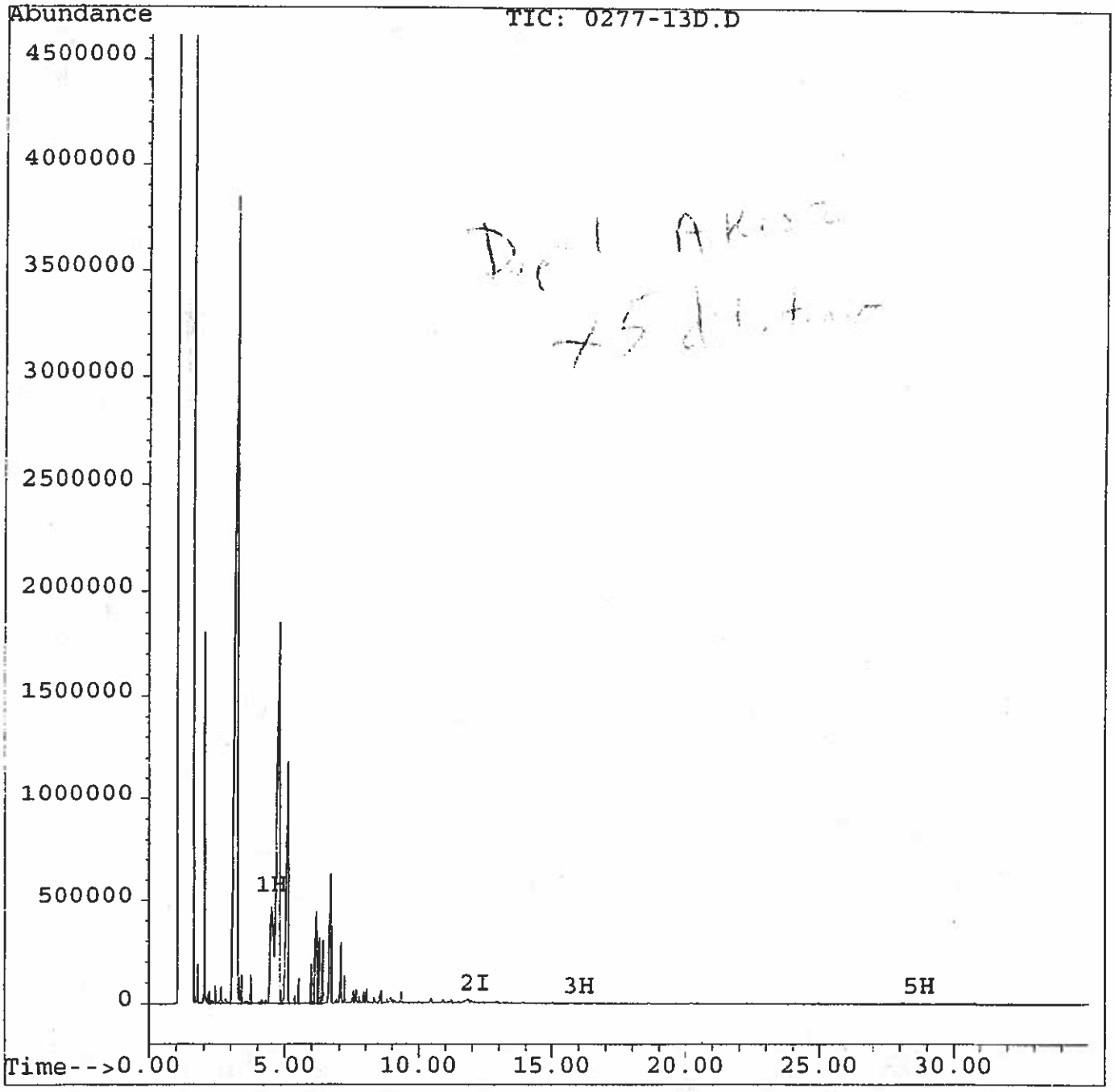
Quantitation Report

Data File : C:\HPCHEM\5\DATA\050796\0277-13D.D
Acq On : 09 May 96 05:19 AM
Sample : 0277-13 1L TO 1ML X5
Misc :
Quant Time: May 9 12:25 1996

Vial: 21
Operator:
Inst : FID-ECD
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\ADECTPHD.M
Title : 8015MOD
Last Update : Wed May 08 15:51:07 1996
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



AGRA
Earth & Environmental
3504 Industrial Avenue, Suite 5
Fairbanks, Alaska, U.S.A. 99701
Tel (907) 479-7586 Fax (907) 479-0193

02921

CHAIN OF CUSTODY

PROJECT: SEEKINS FORD LINCOLN MERCURY	PROJECT No.: G-024-01173-1 TO4
CLIENT: AL HAYNES	PHONE No.:
PROJECT MANAGER: JAMES SPONTAK	PHONE No.: (907) 479-7586
SAMPLER'S NAME (please print): KERI DEPALMA/STEPHANIE FORESTER	PHONE No.: SAME
SAMPLER'S SIGNATURE: Stephanie D. Forester	

ANALYSIS REQUESTED (circle, check box or write preferred method in box)

SAMPLE I.D.	DATE	TIME	MATRIX	PRESERVATIVE	CONTAINERS No.	CONTAINERS VOL.
1. GWP-2	5/1/96	1425	W	HCl	6 2	40 ml L
2. GWP-3		1520			6 2	40 ml L
3. DUP-1		—			6 2	40 ml L
4. TRIP BLANK		0800			2	40 ml
5.						
6.						
7.						
8.						
9.						
10.						

BTEX by 5030 / 8020	GRPH by 5030 /8015	DRPH by 3550 / 8100	BTEX/GRPH Combo by 5030 / 8020-8015	TPH by 3550 / 418.1	Halogenated Volatiles by 5030 / 8010	WTPH-418.1 MODIFIED	Aromatics by 602	Polynuclear Aromatics by 610 or 8310	Total Halogens (TOX) by 9076	Total Metals by ICP AA	Purgeable Organics GC/MS by 8240 or 624	Base/Neut/Acid/Organics GC/MS by 625 or 8270	PCB by 8080	BTEX/GRPH by AK101.0	DRPH by AK102.0	VOLATILE ORGANICS by EPA 624	PAH	
														X	X			
														X	X	X	X	
														X	X	X		
														X				

SAMPLE RECEIPT	LABORATORY: AGE PORTLAND	TURNAROUND TIME	SPECIAL INSTRUCTIONS / ADDITIONAL COMMENTS
TOTAL # CONTAINERS	SHIPPING I.D. / AIRBILL #	☐ 8 HOUR	
CONDITION OF CONTAINERS	CARRIER	☐ 24 HOUR	
CONDITION OF SEALS	DOT DESIGNATION	☒ 1 WEEK	
		☐ 2 WEEK (standard)	
		☐ OTHER _____	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
1. Stephanie D. Forester / AGE	5/7/96	1000	1.		
2.			2.		
3.			3. Cynthia Nelson	5/8/96	10 a.m.

PAGE 2 OF 2

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02920

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Tel (907) 479-7586 Fax (907) 479-0193

CHAIN OF CUSTODY

PROJECT: SEEKINS FORD - LINCOLN MERCURY	PROJECT No.: 6-024-01173-1 TO4
CLIENT: AL HAYNES	PHONE No.:
PROJECT MANAGER: JAMES SPONTAK	PHONE No.: (907) 479-7586
SAMPLER'S NAME (please print): KERI DEPALMA / STEPHANIE FORESTER	PHONE No.: SAME
SAMPLER'S SIGNATURE: Stephanie D. Forester	

ANALYSIS REQUESTED (circle, check box or write preferred method in box)

SAMPLE I.D.	DATE	TIME	MATRIX	PRESERVATIVE	CONTAINERS No.	CONTAINERS VOL.	BTEX by 5030 / 8020	GRPH by 5030 /8015	DRPH by 3550 / 8100	BTEX/GRPH Combo by 5030 / 8020-8015	TPH by 3550 / 418.1	Halogenated Volatiles by 5030 / 8010	WTPH-418.1 MODIFIED	Aromatics by 602	Polynuclear Aromatics by 610 or 8310	Total Halogens (TOX) by 9076	Total Metals by ICP AA	Purgeable Organics GC/MS by 8240 or 624	Base/Neutacid/Organics GC/MS by 625 or 8270	PCB by 8080	BTEX/GRPH by AK 101.0	DRPH by AK 102.0	VOLATILE ORGANICS by EPA 624	PAH	
1. MW-1	5/1/96	1200	W	HCl	6	2 40ml L															X	X		X	
2. MW-2		1115			6	2 40ml L															X	X	X	X	
3. MW-3		1040			6	2 40ml L															X	X	X	X	
4. MW-4		1230			6	2 40ml L															X	X	X		
5. MW-5		1105			6	2 40ml L															X	X	X		
6. MW-6		1540			6	2 40ml L															X	X	X		
7. MW-7		1505			6	2 40ml L															X	X	X		
8. MW-8		1430			6	2 40ml L															X	X	X		
9. MW-9		1330			6	2 40ml L															X	X	X		
10. GWP-1		1340			6	2 40ml L															X	X			

SAMPLE RECEIPT	LABORATORY: AEE - PORTLAND	TURNAROUND TIME	SPECIAL INSTRUCTIONS / ADDITIONAL COMMENTS
TOTAL # CONTAINERS	SHIPPING I.D. / AIRBILL #	☐ 8 HOUR	James Spontak will contact you re: which samples he wants PAH analyses on.
CONDITION OF CONTAINERS	CARRIER	☐ 24 HOUR	
CONDITION OF SEALS	DOT DESIGNATION	☒ 1 WEEK	
		☐ 2 WEEK (standard)	
		☐ OTHER _____	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
1. Stephanie D. Forester / AEE	5/2/96	1000	1.		
2.			2.		
3.			3. Cynthia Nelson	5/3/96	10am

PAGE 1 OF 2

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3504 Industrial Avenue, Suite 5
Fairbanks, Alaska, U.S.A. 99701
Tel (907) 479-7586 Fax (907) 479-0193

CHAIN OF CUSTODY

PROJECT	PROJECT No.
SEEKINS FORD-LINCOLN MERCURY	6-024-01173-1 T04
CLIENT: AL HAYNES	PHONE No.
PROJECT MANAGER: JAMES SPONTAK	PHONE No.: (907) 479-7586
SAMPLER'S NAME (please print): KERI DEPALMA / STEPHANIE FORESTER	PHONE No.: SAME
SAMPLER'S SIGNATURE: Keri DePalma	

ANALYSIS REQUESTED (circle, check box or write preferred method in box)

SAMPLE I.D.	DATE	TIME	MATRIX	PRESERVATIVE	CONTAINERS No.	CONTAINERS VOL.	BTEX by 5030 / 8020	GRPH by 5030 /8015	DRPH by 3550 / 8100	BTEX/GRPH Combo by 5030 / 8020-8015	TPH by 3550 / 418.1	Halogenated Volatiles by 5030 / 8010	WTPH-418.1 MODIFIED	Aromatics by 602	Polynuclear Aromatics by 610 or 8310	Total Halogens (TOX) by 9078	Total Metals by ICP AA	Purgeable Organics GC/MS by 8240 or 624	Base/Neut/Acid/Organics GC/MS by 625 or 8270	PCB by 8080	DRPH by AK. 102.0				
1. GWP-2	5/1/96	1425	W	HCl	1	L															X				
2. MW-8	5/1/96	1430	↓	↓	2	L															X				
3.																									
4.																									
5.																									
6.																									
7.																									
8.																									
9.																									
10.																									

SAMPLE RECEIPT	LABORATORY: AEE PORTLAND	TURNAROUND TIME	SPECIAL INSTRUCTIONS / ADDITIONAL COMMENTS
TOTAL # CONTAINERS	SHIPPING I.D. / AIRBILL #	☐ 8 HOUR ☐ 24 HOUR ☒ 1 WEEK ☐ 2 WEEK (standard) ☐ OTHER _____	Please extract upon arrival to lab
CONDITION OF CONTAINERS	CARRIER		
CONDITION OF SEALS	DOT DESIGNATION		

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
1. Keri L. DePalma / AEE, FBKS	5/6/96	0800	1.		
2.			2.		
3.			3. Cynthia Nelson / AGRA, PDX	5/7/96	930am

PAGE 1 OF 1

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Earth & Environmental

AGRA Earth & Environmental, Inc.
7477 SW Tech Center Drive
Portland, Oregon
U.S.A. 97223-8025
Tel (503) 639-3400
Fax (503) 620-7892

May 28, 1996

AGRA Earth & Environmental
3504 Industrial Way, Suite 5
Fairbanks, AK 99701

Attention: Mr. James Spontak

Dear Mr. Spontak:

RE: Analytical Results For Project 6-024-01173-1T04

Attached are the PAH results for the samples submitted on May 3, 1996 from the above referenced project. For your reference, our project number associated with these samples is AK960277.

Volatile organic compounds by GC/MSD, diesel range organics, and gasoline range organics results were reported under separate cover in a package dated May 14, 1996.

All analyses were conducted in accordance with applicable QA/QC guidelines. The results apply only to the samples submitted.

Please feel free to contact me if you have any questions regarding this report, or if I can be of any assistance in any other matter.

Respectfully submitted,

AGRA Earth & Environmental

Sean Gormley
Laboratory Manager
Laboratory ID # UST-008

American Environmental Network, Inc.

17400 SW Upper Boones Ferry Rd. • Suite 270 • Durham, OR 97224 • (503) 684-0447
(Formerly Analytical Technologies, Inc.)

AEN I.D. 605531

May 20, 1996

Sean Gormley
AGRA Earth & Environmental
7477 SW Tech Center Dr. Suite 135
Portland, OR 97223

Project Name / Number: Seekins Ford - Lincoln / 6-024-01173-1 T04

Attention: Sean Gormley

On May 6, 1996, American Environmental Network (OR), Inc. (ADEC UST-028) received three water samples for analysis for the above listed project. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed. The results from these samples relate only to the items tested. This report shall not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions or comments, please do not hesitate to contact us at (503)684-0447.

Steven E. Stanley
Laboratory Manager

SES:alm
Enclosure

SAMPLE CROSS REFERENCE SHEET

CLIENT:	AGRA Earth & Environmental	**AEN I.D.:**	605531
PROJECT #:	6-024-01173-1T04		
PROJECT NAME:	Seekins Ford Lincoln Mercury	**MATRIX:**	WATER

AEN #	CLIENT DESCRIPTION	DATE SAMPLED
605531-1	MW-2	5/01/96
605531-2	MW-3	5/01/96
605531-3	GWP-3	5/01/96

----------TOTALS----------

MATRIX	# SAMPLES
WATER	3

AEN STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of the report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT:	AGRA Earth & Environmental	**AEN I.D.:**	605531
PROJECT #:	6-024-01173-1T04		
PROJECT NAME:	Seekins Ford Lincoln Mercury		

ANALYSIS	TECHNIQUE	REFERENCE	LAB
PAHs	HPLC/UV/FLUOR	EPA 8310	PLD

PLD = AEN - Portland
PHX = AEN - Phoenix
PNR = AEN - Pensacola
CA = AEN - Pleasant Hill
MD = AEN - Columbia
SUB = Subcontract

CASE NARRATIVE FOR EPA METHOD 8310

Polynuclear Aromatic Hydrocarbons

AEN ACCESSION NUMBER 605531

A 1.0 liter aliquot of each aqueous sample was extracted with methylene chloride by liquid:liquid method (EPA method 3510). The methylene chloride was reduced and exchanged to acetonitrile. Final volume was 1.0 ml.

The extracts were analyzed by HPLC with UV (254 nm) and fluorescence detectors in series. A gradient mobile phase of water and acetonitrile was utilized for the analysis. Five and six point calibration curves were generated and utilized for the analysis.

The sample **GW-3** (AEN ID: 605531-3) yielded a surrogate recovery that was below the accepted criteria. This low recovery was most likely caused by interference from an emulsion that formed during the extraction.

Mark Ritzheimer

LIQUID CHROMATOGRAPHY RESULTS

METHOD:	8310	**AEN I.D.:**	605531-0
CLIENT I.D.:	Method Blank	**DATE SAMPLED:**	NA
CLIENT:	AGRA Earth & Environmental	**DATE RECEIVED:**	NA
PROJECT #:	6-024-01173-1T04	**DATE EXTRACTED:**	05/08/96
PROJECT NAME:	Seekins Ford Lincoln Mercury	**DATE ANALYZED:**	05/15/96
SAMPLE MATRIX:	WATER	**DILUTION FACTOR:**	1
		UNITS:	ug/L

PARAMETER	RESULTS	
NAPHTHALENE	<	0.5
ACENAPHTHYLENE	<	1.0
ACENAPHTHENE	<	1.0
FLUORENE	<	0.1
PHENANTHRENE	<	0.05
ANTHRACENE	<	0.05
FLUORANTHENE	<	0.1
PYRENE	<	0.1
BENZO(a)ANTHRACENE	<	0.1
CHRYSENE	<	0.1
BENZO(b)FLUORANTHENE	<	0.1
BENZO(k)FLUORANTHENE	<	0.1
BENZO(a)PYRENE	<	0.1
DIBENZO(a,h)ANTHRACENE	<	0.1
BENZO(g,h,i)PERYLENE	<	0.1
INDENO(1,2,3-cd)PYRENE	<	0.1

SURROGATE:	
BIPHENYL (28%-125%)	45%

Analyst: CTC 5/20/96

Reviewer: AH 5-20-96

LIQUID CHROMATOGRAPHY RESULTS

METHOD:	8310	**AEN I.D.:**	605531-1
CLIENT I.D.:	MW-2	**DATE SAMPLED:**	05/01/96
CLIENT:	AGRA Earth & Environmental	**DATE RECEIVED:**	05/06/96
PROJECT #:	6-024-01173-1T04	**DATE EXTRACTED:**	05/08/96
PROJECT NAME:	Seekins Ford Lincoln Mercury	**DATE ANALYZED:**	05/16/96
SAMPLE MATRIX:	WATER	**DILUTION FACTOR:**	1
		UNITS:	ug/L

PARAMETER	RESULTS	
NAPHTHALENE	<	0.5
ACENAPHTHYLENE	<	1.0
ACENAPHTHENE	<	1.0
FLUORENE	<	0.1
PHENANTHRENE	<	0.05
ANTHRACENE	<	0.05
FLUORANTHENE	<	0.1
PYRENE	<	0.1
BENZO(a)ANTHRACENE	<	0.1
CHRYSENE	<	0.1
BENZO(b)FLUORANTHENE	<	0.1
BENZO(k)FLUORANTHENE	<	0.1
BENZO(a)PYRENE	<	0.1
DIBENZO(a,h)ANTHRACENE	<	0.1
BENZO(g,h,i)PERYLENE	<	0.1
INDENO(1,2,3-cd)PYRENE	<	0.1

SURROGATE:	
BIPHENYL (28%-125%)	53%

Analyst CE 5/20/96

Reviewer: BH 5-20-96

LIQUID CHROMATOGRAPHY RESULTS

METHOD:	8310	**AEN I.D.:**	605531-2
CLIENT I.D.:	MW-3	**DATE SAMPLED:**	05/01/96
CLIENT:	AGRA Earth & Environmental	**DATE RECEIVED:**	05/06/96
PROJECT #:	6-024-01173-1T04	**DATE EXTRACTED:**	05/08/96
PROJECT NAME:	Seekins Ford Lincoln Mercury	**DATE ANALYZED:**	05/16/96
SAMPLE MATRIX:	WATER	**DILUTION FACTOR:**	1
		UNITS:	ug/L

PARAMETER	RESULTS	
NAPHTHALENE		9.0
ACENAPHTHYLENE	<	1.0
ACENAPHTHENE	<	1.0
FLUORENE		1.4
PHENANTHRENE		1.7
ANTHRACENE	<	0.05
FLUORANTHENE		1.1
PYRENE		0.3
BENZO(a)ANTHRACENE	<	0.1
CHRYSENE	<	0.1
BENZO(b)FLUORANTHENE	<	0.1
BENZO(k)FLUORANTHENE	<	0.1
BENZO(a)PYRENE	<	0.1
DIBENZO(a,h)ANTHRACENE	<	0.1
BENZO(g,h,i)PERYLENE	<	0.1
INDENO(1,2,3-cd)PYRENE	<	0.1

SURROGATE:	
BIPHENYL (28%-125%)	54%

Analyst: CE 5/20/96

Reviewer: RH 5-20-96

LIQUID CHROMATOGRAPHY RESULTS

METHOD:	8310	**AEN I.D.:**	605531-3
CLIENT I.D.:	GWP-3	**DATE SAMPLED:**	05/01/96
CLIENT:	AGRA Earth & Environmental	**DATE RECEIVED:**	05/06/96
PROJECT #:	6-024-01173-1T04	**DATE EXTRACTED:**	05/08/96
PROJECT NAME:	Seekins Ford Lincoln Mercury	**DATE ANALYZED:**	05/16/96
SAMPLE MATRIX:	WATER	**DILUTION FACTOR:**	1
		UNITS:	ug/L

PARAMETER	RESULTS	
NAPHTHALENE	<	0.5
ACENAPHTHYLENE	<	1.0
ACENAPHTHENE	<	1.0
FLUORENE	<	0.1
PHENANTHRENE	<	0.05
ANTHRACENE	<	0.05
FLUORANTHENE	<	0.1
PYRENE	<	0.1
BENZO(a)ANTHRACENE	<	0.1
CHRYSENE	<	0.1
BENZO(b)FLUORANTHENE	<	0.1
BENZO(k)FLUORANTHENE	<	0.1
BENZO(a)PYRENE	<	0.1
DIBENZO(a,h)ANTHRACENE	<	0.1
BENZO(g,h,i)PERYLENE	<	0.1
INDENO(1,2,3-cd)PYRENE	<	0.1

SURROGATE:	
BIPHENYL (28%-125%)	11% H

H = Out of limits

Analyst CE 5/20/96

Reviewer: BH 5-20-96

LIQUID CHROMATOGRAPHY SPIKE RESULTS

METHOD:	8310	**ATI I.D.:**	605531
CLIENT:	AGRA Earth & Environmental	**QC SAMPLE:**	605518-7
PROJECT #:	6-024-01173-1T04	**DATE EXTRACTED:**	05/08/96
PROJECT NAME:	Seekins Ford Lincoln Mercury	**DATE ANALYZED:**	05/16/96
SAMPLE MATRIX:	WATER	**DILUTION FACTOR:**	1
		UNITS:	ug/L

PARAMETER		SAMPLE RESULT	SPIKE CONC.	SPIKED RESULT	% REC.	DUP. SPIKED RESULT	DUP. % REC.	RPD
ACENAPHTHYLENE	<	1.0	10.0	3.1	31%	3.3	33%	6
PHENANTHRENE	<	0.05	1.00	0.54	54%	0.52	52%	4
PYRENE	<	0.1	1.0	0.5	50%	0.5	50%	0
BENZO(k)FLUORANTHENE	<	0.1	1.0	0.4	40%	0.3	30%	29
DIBENZO(a,h)ANTHRACENE	<	0.1	1.0	0.4	40%	0.3	30%	29
SURROGATE:								
BIPHENYL (28% - 125%)				42%		45%		

CONTROL LIMITS

	% REC	RPD
ACENAPHTHYLENE	27 -117	42
PHENANTHRENE	42 - 127	31
PYRENE	50 - 125	35
BENZO(k)FLUORANTHENE	30 - 125	33
DIBENZO(a,h)ANTHRACENE	30 - 146	37

Analyst: LLK 5/20/96

Reviewer: BH 5/20/96