KLEINFELDER

December 10, 1991
File: 10-1682-03/38

Mr. Dennis Hunt
District Manager
Industrial Asphalt
P.O. Box 636
Pleasanton, CA 94566

SUBJECT: Quarterly Report (August 1991 - October 1991), Industrial Asphalt, Pleasanton, California

Dear Mr. Hunt:

Kleinfelder, Inc., is pleased to submit this quarterly report for the third quarter of 1991 (August 1991 through October 1991) for the Industrial Asphalt site in Pleasanton, California (Plate 1). Quarterly progress reports were requested by the Alameda County Department of Health Services (ACDHS) in their letter to you dated 13 November 1989.

INTRODUCTION

Thirteen monitoring wells and one extraction well (MW-13) are present onsite. Data collected from these wells were used to evaluate the nature and extent of the plume. The location of monitoring wells along with the extraction well are shown on Plate 2. All wells are being monitored for depth to water and product thickness on a quarterly basis in accordance with recommendations in the Remedial Investigation Report dated 28 December 1990. Collected ground water samples have been analyzed for the target compounds including total petroleum hydrocarbons (TPH) as diesel/waste oil and polychlorinated biphenyls (PCBs). Additionally, as requested by the ACDHS in their letter to your firm dated February 21, 1991, water samples were also analyzed for BTXE (benzene, tolulene, xylenes and ethylbenzene) using EPA Method 8020, Oil and Grease (Standard Method 5520 C & F) and halogenated volatile organics using EPA Method 8010.

Water samples were collected from onsite wells MW-1, MW-2 MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, MW-10, MW-13, MW-14, MW-15 and MW-16 during this sampling round. Monitoring well MW-6 was not accessible on the sampling days, and therefore, not sampled. In addition to the onsite monitoring wells, an offsite water supply well located on the Jamieson property was sampled via a hose tap. Refer to Plate 2 for the location of all wells and the offsite well.

KLEINFELDER 2121 N. California Blvd., Suite 570, Walnut Creek, CA 94596 (415) 938-5610

WATER LEVEL MONITORING DATA

Ground water surface elevation data were collected in sampled wells prior to their sampling. These measurements are provided in Table 1. Generally, the ground water surface elevation has risen an average of 2.13 feet since the last measurement on July 9, 1991. It appears that the fluctuations in ground water are seasonal.

Based on the information collected during this third round of sampling, a ground water gradient map was constructed (Plate 3). This map indicates a general flow direction to the northeast, a flow direction noted during previous sampling rounds. The gradient beneath the western portion of the map area is relatively flat with water level elevations between 300 and 303 feet. The gradient appears to drop steeply from monitoring wells MW-15 and MW-7 to monitoring well MW-9 on the eastern side of the site. Water levels in the area of MW-5 appear to be approximately ten feet lower than beneath the rest of the site.

A measurement from staff gauge located in the adjacent settlement pond collected during this sampling round indicates that the water surface in the pond has risen in elevation approximately 1.5 feet since the last measurement on July 9, 1991. It is likely that surface water elevation is affected by seasonal fluctuations and sand/gravel operations.

GROUND WATER CHEMISTRY MONITORING RESULTS

Sheen was observed in the following wells during this sampling round: MW-1, MW-2, MW-3, MW-8, and MW-13. In addition, these same monitoring wells exhibited hydrocarbon odors.

Analytical data are provided in Tables 1, 2 and 3. Complete analytical laboratory reports along with chain of custody records are included in the Appendix.

Detectable concentrations of PCBs have been found in the ground water samples collected from monitoring wells MW-2, MW-3 and MW-8. The highest concentration detected was in the sample collected from MW-3 at 7.4 micrograms per liter (μg/l). The remaining concentrations for the other two monitoring wells was 1 μg/l or less.

Analyses on the water samples collected from wells MW-1, MW-2, MW-3, and MW-8, revealed the presence of dissolved hydrocarbons (TPH) as both diesel and waste oil in ground water at these sampling locations. TPH as "diesel only" was detected in wells MW-7, MW-9, MW-13, MW-15, and MW-16. The concentrations range between 210 milligrams per liter (mg/l) to 0.07 mg/l, with MW-3 exhibiting the highest concentrations. Generally, analytical data indicate an increase in the concentrations of TPH as diesel and waste oil in the water samples collected as compared to the July 1991 data. This is consistent with other sampling rounds in which the ground water surface elevation increase or decrease in elevation caused increase or decrease, respectively, in detected concentrations.

Chemical analysis for oil and grease and total hydrocarbons revealed the presence of these compounds in the water samples obtained from wells MW-1, MW-2, MW-3, MW-4, MW-8, MW-10, and MW-13. Oil and grease only was detected in MW-15 (Table 1).

In contrast to the July 1991 sampling round, halogenated organic compounds were not detected in samples collected from the monitoring wells, nor were benzene, toluene, ethylbenzene, or total xylenes (Tables 2 and 3).

An offsite water supply well located east of the site (Jameson Well) was sampled (Plate 2). The well was purged by opening a tap and running the water for about 30 minutes in order to empty the surge tank. Approximately 200 gallons of water were purged prior to collecting a sample. The ground water samples were analyzed for the same constituents as the onsite monitoring wells. None of the target compounds were detected in concentrations above their respective laboratory reporting limits.

SUMMARY

In summary, based on the available data, the ground water surface elevation beneath the site is higher than the previous sampling round and ground water flow is generally to the northeast. The ground water chemistry has remained, for the most part, consistent between sampling rounds. The ground water samples collected from monitoring wells MW-1, MW-2, MW-3, and MW-8 continue to exhibit higher concentrations of the target compounds. The ground water samples collected from the offsite water production well (Jameson well) did not exhibit concentrations of the target chemical above the laboratory reporting limits for each of the compounds requested.

RECOMMENDED RI ACTIVITIES

Volatile organic compounds, oil and grease and BTXE were found in the water samples obtained from the onsite monitoring wells. Therefore, it is recommended that during the next quarterly round (January 1991), water samples be analyzed for these same compounds. This is to allow an assessment of possible changes in concentrations of these compounds found in selected water samples. Kleinfelder will be preparing an annual report summarizing the results of ground water monitoring over the past year. We anticipate that this report will be available in early 1992.

OTHER ACTIVITIES

The Feasibility Study Report for remediation of the site was discussed with Ms. Linda Spencer of the California Regional Water Quality Control Board and Mr. Robi Arulanantham of the Alameda County Department of Environmental Resources during a meeting on November 19, 1991. This report was verbally approved at that time. Kleinfelder is currently preparing a budget for the implementation of the recommended remedial actions.

LIMITATIONS

This report was prepared in general accordance with the accepted standard of practice which exists in Northern California at the time the investigation was performed. It should be recognized that definition and evaluation of environmental conditions is a difficult and inexact art. Judgements leading to conclusions and recommendations are generally made with an incomplete knowledge of the conditions present. More extensive studies, including additional environmental investigations, can tend to reduce the inherent uncertainties associated with such studies. If the Client wishes to reduce the uncertainty beyond the level associated with this study, Kleinfelder should be notified for additional consultation.

Our firm has prepared this report for the Client's exclusive use for this particular project and in accordance with generally accepted engineering practices within the area at the time of our investigation. No other representations, expressed or implied, and no warranty or guarantee is included or intended.

This report may be used only by the client and only for the purposes stated, within a reasonable time from its issuance. Land use, site conditions (both onsite and offsite) or other factors may change over time, and additional work may be required with the passage of time. Any party other than the client who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party.

If you have any questions regarding this report or require additional information, please contact the undersigned.

Sincerely,

KLEINFELDER, INC.

Krzysztof (Krys) S. Jesionek,
Project Manager

Lloyd C. Venburg, R.G.
Senior Project Manager

Exp 6/92

KSJ:LCV:slm

cc: Dwight Beavers - Industrial Asphalt
Robi Arulanantham - Alameda County Department of Environmental Services
Linda Spencer - California Regional Water Quality Control Board
Jerry Killingstad - Alameda County Flood Control and Water
Conservation District, Zone 7

KLEINFELDER 2121 N. California Blvd., Suite 570, Walnut Creek, CA 94596 (415) 938-5610

Table 1
MONITORING PARAMETERS (NOVEMBER 1991)
INDUSTRIAL ASPHALT

Monitoring Well	Total Depth (feet)	Depth to Water(1) (feet)	Ground Water Elevation[2] (feet)	Product Thickness (feet)	TPH as Diesel[3] (mg/l)	TPH as Waste Oil[4] (mg/l)	PCBs µg/l [5]	Oil & Grease (mg/l) [10]	Total Hydrocarbons (mg/l) [11]
MW-1	88	77.95	301.46	SHEEN	9.5	4.9	ND	22	19
MW-2	90	77.53	302.27	SHEEN	110	57	1	110	96
MW-3	90	74.83	303.71	SHEEN	210	120	7.4	360	330
MW-4	95	73.67	302.59	NE	ND	ND	ND	2	0.9
MW-5	110	93.09	289.46	NE	ND	ND	ND	ND	ND
MW-6	109	NC	NA	NA	NT	NT	NT	NT	NT
MW-7	109	78.33	300.61	NE	0.07	ND	ND	ND	ND
MW-8	109	75.83	302.73	SHEEN	4.1	4.8	0.8	15	11
MW-9	108	83.63	293.77	NE	0.1	ND	ND	ND	ND
MW-10	111	74.81	303.23	NE	ND	ND	ND	ND	ND
MW-11[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13[9,13]	116	77.80	302.41	SHEEN	0.6(0.6)	ND(ND)	ND(ND)	0.9(0.9)	0.8(0.9)
MW-14	114.5	77.75	302.34	NE	ND	ND	ND	ND	ND
MW-15	117	78.12	300.00	NE	0.07	ND	ND	2	ND
MW-16	110	76.13	303.52	NE	0.08	ND	ND	ND	ND
14A2[12]UNK	UNK	UNK	NE	ND	ND	ND	ND	ND	
SG	NA	0	297.00[7]	NA	NA	NA	NA	NA	NA

Please see notes next page

Table 1 (cont.)
MONITORING PARAMETERS (NOVEMBER 1991)
INDUSTRIAL ASPHALT
(NOTES)

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(1) Below top of casing
(2) Feet above mean sea level (USGS Datum)
(3) Laboratory detection limits - 0.05 mg/l
(4) Laboratory detection limit - 0.1 mg/l
(5) Laboratory detection limit - 0.5 Ìg/l
(6) Reading on the staff gage
(7) Surface water elevation in the pit
(8) Well abandoned on August 8, 1990
(9) Extraction well
(10) Laboratory detection limit - 0.5 mg/l
(11) Laboratory detection limit - 0.5 mg/l
(12) Jamieson Well
(13) Duplicate analyses in parentheses

TPH Total Petroleum Hydrocarbons
PCBs Polychlorinated Biphenyls (Aroclor 1260)
NE Not Encountered
ND Not Detected at or above laboratory detection limits
NA Not Applicable
SG Staff Gage
NC Not Accessible
NT Not Tested
UNK Unknown

Table 2
HALOGENATED ORGANICS (EPA METHOD 8010)[1]
INDUSTRIAL ASPHALT

Monitoring Well	1,1 - DCA	1,2 - DCE	TCFM	VC
MW-1	ND	ND	ND	ND
MW-2	ND	ND	ND	ND
MW-3	ND	ND	ND	ND
MW-4	ND	ND	ND	ND
MW-5	ND	ND	ND	ND
MW-6	NT	NT	NT	NT
MW-7	ND	ND	ND	ND
MW-8	ND	ND	ND	ND
MW-9	ND	ND	ND	ND
MW-10	ND	ND	ND	ND
MW-13	ND(ND)	ND(ND)	ND(ND)	ND(ND)
MW-14	ND	ND	ND	ND
MW-15	ND	ND	ND	ND
MW-16	ND	ND	ND	ND
14A2	ND	ND	ND	ND

Notes:
Concentrations in μg/l

(1) Laboratory detection limits - 0.5 mg/l
NT Not Tested
1,1 - DCA 1,1 Dichloroethane
1,2 - DCE 1,2 Dichloroethene
TCFM Trichlorofloromethane
VC Vinyl Chloride
14A2 Jamieson Well

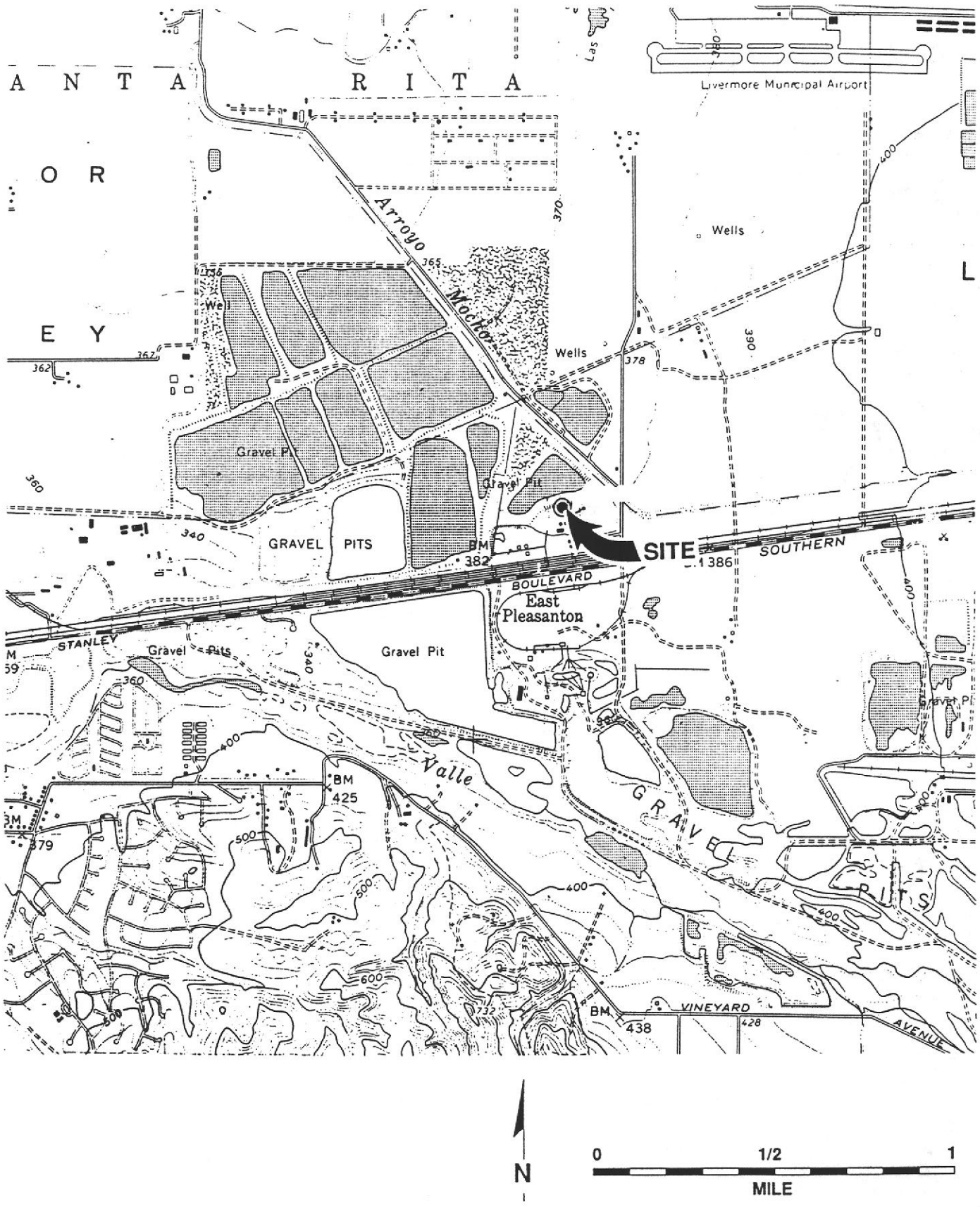
Table 3
BTXE (EPA METHOD 8020)
INDUSTRIAL ASPHALT

Monitoring Well	Benzene[1]	Toluene[1]	Ethylbenzene[1]	Xylenes[2]
MW-1	ND	ND	ND	ND
MW-2	ND	ND	ND	ND
MW-3	ND	ND	ND	ND
MW-4	ND	ND	ND	ND
MW-5	ND	ND	ND	ND
MW-6	NT	NT	NT	NT
MW-7	ND	ND	ND	ND
MW-8	ND	ND	ND	ND
MW-9	ND	ND	ND	ND
MW-10	ND	ND	ND	ND
MW-13	ND(ND)	ND(ND)	ND(ND)	ND(ND)
MW-14	ND	ND	ND	ND
MW-15	ND	ND	ND	ND
MW-16	ND	ND	ND	ND
14A2	ND	ND	ND	ND

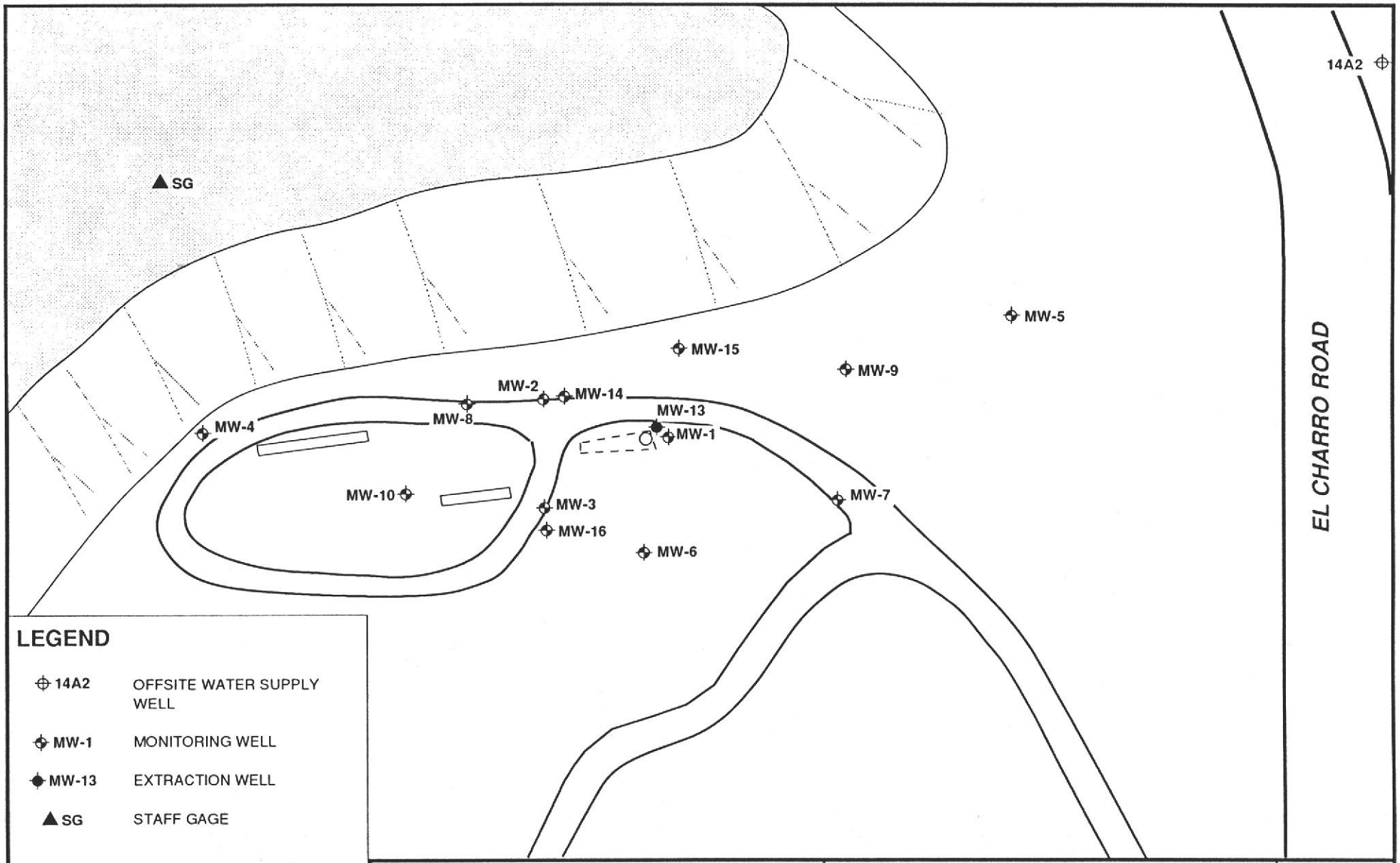
Notes:

Concentrations in μg/l

(1) Laboratory detection limit - 0.5 μg/l
(2) Laboratory detection limit - 2 μg/l
14A2 Jamieson Well



KLEINFELDER	**SITE LOCATION MAP** INDUSTRIAL ASPHALT PLEASANTON, CALIFORNIA	PLATE 1
PROJECT NO. **10-1682-03**		



LEGEND

14A2	OFFSITE WATER SUPPLY WELL
MW-1	MONITORING WELL
MW-13	EXTRACTION WELL
SG	STAFF GAGE

0 150
Approximate Scale (feet)

N

BASE MAP SOURCE:
Wells surveyed by Associated Professions Inc. and Kleinfelder, Inc.
Site details from 1987 photo (No. HAP-753), Pacific Aerial Surveys.

KLEINFELDER

DRAFTED BY: L. Sue DATE: 12-12-91

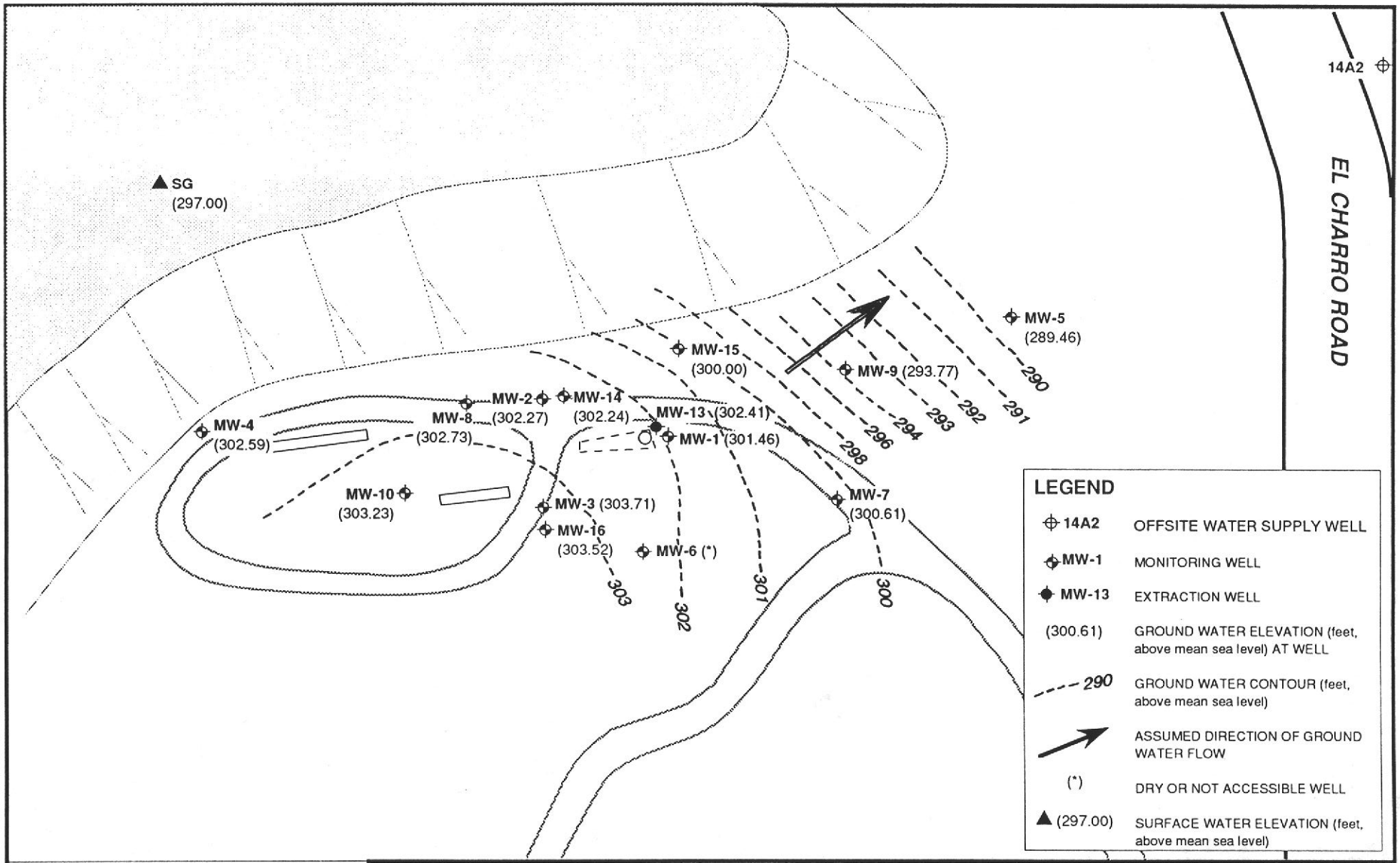
CHECKED BY: K. Jesionek DATE: 12-12-91

MONITORING WELL LOCATION MAP

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PROJECT NO. 10-1682-03

PLATE 2



0 150
Approximate Scale (feet)

N

BASE MAP SOURCE:
Wells surveyed by Associated Professions Inc. and Kleinfelder, Inc.
Site details from 1987 photo (No. HAP-753), Pacific Aerial Surveys.

KLEINFELDER

DRAFTED BY: L. Sue DATE: 12-12-91

CHECKED BY: K. Jesionek DATE: 12-12-91

GROUND WATER SURFACE GRADIENT MAP (NOVEMBER 1991)

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PROJECT NO. 10-1682-03

PLATE 3

ANALYTICAL SERVICES

WORKING COPY

MED-TOX ASSOCIATES, INC.

DOHS CERTIFICATION NO: E772

CERTIFICATE OF ANALYSIS

KLEINFELDER, INC.
2121 N. CALIFORNIA STREET
SUITE 570
WALNUT CREEK, CA 94596
ATTN: KRYS JESIONEK

CLIENT PROJ. ID: 10-1682-03
C.O.C. NO: 1556

REPORT DATE: 11/25/91

DATE SAMPLED: 11/13/91

DATE RECEIVED: 11/13/91

MED-TOX JOB NOS: 9111089, 9111090

ANALYSIS OF: WATER SAMPLES

See attached for results

Andrew Bradeen

Andrew Bradeen, Manager
Organic Laboratory

Results FAXed 11/21/91

KLEINFELDER, INC.

DATE RECEIVED: 11/13/91

REPORT DATE: 11/25/91

CLIENT PROJ. ID: 10-1682-03

MED-TOX JOB NOS: 9111089, 9111090

Sample Identification Client Id.	Lab No.	Extractable Hydrocarbons as Diesel (mg/L)	Extractable Hydrocarbons as Oil (mg/L)	Oil & Grease (mg/L)	Hydrocarbons (mg/L)
9111089					
56615 > MW-5	01E	ND	ND	---	---
56615	01I	---	---	ND	ND
56624 > MW-4	02E	ND	ND	---	---
56624	02I	---	---	2	0.9
56640 > MW-15	03E	0.07	ND	---	---
56640	03I	---	---	2	ND
9111090					
56650 > MW-7	01E	0.07	ND	---	---
56650	01H	---	---	ND	ND
56660 > MW-10	02E	ND	ND	---	---
56660	02I	---	---	ND	ND
56670 > MW-9	03E	0.1	ND	---	---
56670	03I	---	---	ND	ND
Detection Limit		0.05	0.1	0.5	0.5
Method:		3520 GCFID	3520 GCFID	5520C	5520F
Instrument:		C	C	IR	IR
Date Extracted:		11/15/91	11/15/91	11/15/91	11/15/91
Date Analyzed:		11/19/91	11/19/91	11/18/91	11/18/91

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56615
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111089-01A
MED-TOX JOB NO: 9111089
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56624
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111089-02A
MED-TOX JOB NO: 9111089
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56640
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111089-03A
MED-TOX JOB NO: 9111089
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56650
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-01A
MED-TOX JOB NO: 9111090
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56660
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-02A
MED-TOX JOB NO: 9111090
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56670
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-03A
MED-TOX JOB NO: 9111090
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 63540 #1
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-04A
MED-TOX JOB NO: 9111090
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 63544 #3
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-05A
MED-TOX JOB NO: 9111090
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 63538 #2
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-06A
MED-TOX JOB NO: 9111090
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56615
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111089-01C
MED-TOX JOB NO: 9111089

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56624
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111089-02C
MED-TOX JOB NO: 9111089

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56640
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111089-03C
MED-TOX JOB NO: 9111089

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56650
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-01C
MED-TOX JOB NO: 9111090

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56660
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-02C
MED-TOX JOB NO: 9111090

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56670
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-03C
MED-TOX JOB NO: 9111090

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 63540 #1
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-04A
MED-TOX JOB NO: 9111090

DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8020 (WATER MATRIX)

AROMATIC VOLATILE HYDROCARBONS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Toluene	108-88-3	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 63544 #3
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-05A
MED-TOX JOB NO: 9111090

DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8020 (WATER MATRIX)

AROMATIC VOLATILE HYDROCARBONS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Toluene	108-88-3	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 63538 #2
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-06A
MED-TOX JOB NO: 9111090

DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8020 (WATER MATRIX)

AROMATIC VOLATILE HYDROCARBONS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Toluene	108-88-3	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56615
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111089-01G
MED-TOX JOB NO: 9111089
DATE EXTRACTED: 11/14/91
DATE ANALYZED: 11/15/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56624
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111089-02G
MED-TOX JOB NO: 9111089
DATE EXTRACTED: 11/14/91
DATE ANALYZED: 11/15/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56640
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111089-03G
MED-TOX JOB NO: 9111089
DATE EXTRACTED: 11/14/91
DATE ANALYZED: 11/15/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56650
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-01G
MED-TOX JOB NO: 9111090
DATE EXTRACTED: 11/14/91
DATE ANALYZED: 11/15/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56660
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-02G
MED-TOX JOB NO: 9111090
DATE EXTRACTED: 11/14/91
DATE ANALYZED: 11/15/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56670
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/13/91
DATE RECEIVED: 11/13/91
REPORT DATE: 11/25/91

MED-TOX LAB NO: 9111090-03G
MED-TOX JOB NO: 9111090
DATE EXTRACTED: 11/14/91
DATE ANALYZED: 11/15/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

MED-TOX ASSOCIATES, INC.

QUALITY CONTROL DATA

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03

MED-TOX JOB NOS: 9111089 & 9111090

DATE EXTRACTED: 11/15/91
DATE ANALYZED: 11/18/91
INSTRUMENT: IR
SAMPLE SPIKED: D.I. WATER

MED-TOX JOB NOS: 9111089, 9111090
CLIENT PROJ ID: 10-1682-03

IR DETERMINATION/OIL & GREASE/HYDROCARBONS
MATRIX SPIKE RECOVERY SUMMARY
(WATER MATRIX; EXTRACTION METHOD)

ANALYTE	Spike Conc. (mg/L)	Sample Result (mg/L)	MS Result (mg/L)	MSD Result (mg/L)	Average Percent Recovery	RPD
Oil	6.96	ND	6.63	6.63	95.3	0.0

CURRENT QC LIMITS (Revised 08/14/91)

Analyte	Percent Recovery	RPD
OIL	(87-116)	6.5

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE EXTRACTED: 11/15/91
DATE ANALYZED: 11/19/91
INSTRUMENT: C
SAMPLE SPIKED: D.I. WATER

MED-TOX JOB NOS: 9111089, 9111090
CLIENT PROJ. ID: 10-1682-03

MATRIX SPIKE RECOVERY SUMMARY
TPH EXTRACTABLE WATERS
METHOD 3520 GCFID
(WATER MATRIX; EXTRACTION METHOD)

ANALYTE	Spike Conc. (mg/L)	Sample Result (mg/L)	MS Result (mg/L)	MSD Result (mg/L)	Average Percent Recovery	RPD
Diesel	0.636	ND	0.394	0.406	62.9	3.0

CURRENT QC LIMITS (Revised 08/15/91)

Analyte	Percent Recovery	RPD
Diesel	(49.3-101.4)	29.0

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

INSTRUMEMT: G

MED-TOX JOB NOS: 9111089, 9111090

CLIENT PROJ ID: 10-1682-03

SURROGATE STANDARD RECOVERY SUMMARY

METHOD 8010/8020
(WATER MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)	
Date Analyzed	Client Id.	Lab No.	Bromochloro-methane	1,4-Dichloro-butane
9111089				
11/18/91	56615	01A	108.9	106.2
11/18/91	56624	02A	105.9	102.0
11/18/91	56640	03A	104.2	101.0
9111090				
11/18/91	56650	01A	105.3	106.8
11/18/91	56660	02A	106.5	109.3
11/18/91	56670	03A	107.4	110.2
11/18/91	63540	04A	109.5	112.0
11/18/91	63544	05A	110.8	111.4
11/18/91	63538	06A	110.8	112.3

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
Bromochloromethane	(80-120)
1,4-Dichlorobutane	(80-120)

DATE ANALYZED: 11/18/91
INSTRUMENT: G
SAMPLE SPIKED: D.I. WATER

MED-TOX JOB NO: 9111089
CLIENT PROJ ID: 10-1682-03

METHOD SPIKE RECOVERY SUMMARY

METHOD 8010/8020
WATER

ANALYTE	Spike Conc. (ug/L)	Sample Result (ug/L)	MS Result (ug/L)	MSD Result (ug/L)	Average Percent Recovery	RPD
1,1-Dichloroethene	50.0	ND	38.5	38.8	77.3	0.8
Trichloroethene	50.0	ND	45.5	45.9	91.4	0.9
Benzene	50.0	ND	48.4	49.4	97.8	2.0
Toluene	50.0	ND	47.4	47.7	95.1	0.6
Chlorobenzene	50.0	ND	46.9	47.5	94.4	1.3

CURRENT QC LIMITS (Revised 07/11/91)

Analyte	Percent Recovery	RPD
1,1-Dichloroethene	(66-130)	17.0
Trichloroethene	(83-128)	15.2
Benzene	(81-121)	9.5
Toluene	(81-119)	10.1
Chlorobenzene	(74-118)	9.8

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE ANALYZED: 11/18/91
INSTRUMENT: G
SAMPLE SPIKED: D.I. WATER

MED-TOX JOB NO: 9111090
CLIENT PROJ ID: 10-1682-03

METHOD SPIKE RECOVERY SUMMARY

METHOD 8010/8020
WATER

ANALYTE	Spike Conc. (ug/L)	Sample Result (ug/L)	MS Result (ug/L)	MSD Result (ug/L)	Average Percent Recovery	RPD
1,1-Dichloroethene	50.0	ND	42.6	41.4	84.0	2.4
Trichloroethene	50.0	ND	49.7	48.5	98.2	2.4
Benzene	50.0	ND	47.7	47.2	94.9	1.1
Toluene	50.0	ND	46.5	46.2	92.7	0.6
Chlorobenzene	50.0	ND	39.8	38.9	78.7	2.3

CURRENT QC LIMITS (Revised 07/11/91)

Analyte	Percent Recovery	RPD
1,1-Dichloroethene	(66-130)	17.0
Trichloroethene	(83-128)	15.2
Benzene	(81-121)	9.5
Toluene	(81-119)	10.1
Chlorobenzene	(74-118)	9.8

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE EXTRACTED: 11/14/91

MED-TOX JOB NOS: 9111089, 9111090

CLIENT PROJ ID: 10-1682-03

INSTRUMENT: B

SURROGATE STANDARD RECOVERY SUMMARY

METHOD 8080
(WATER MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)
Date Analyzed	Client Id.	Lab No.	2,4,5,6-Tetrachloro-meta-xylene
9111089			
11/15/91	56615	01G	77
11/15/91	56624	02G	37
11/15/91	56640	03G	69
9111090			
11/15/91	56650	01G	70
11/15/91	56660	02G	75
11/15/91	56670	03G	52

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
2,4,5,6-Tetrachloro-meta-xylene	(23-125)

DATE EXTRACTED: 11/14/91
DATE ANALYZED: 11/15/91
INSTRUMENT: B
SAMPLE SPIKED: D.I. WATER

MED-TOX JOB NOS: 9111089, 9111090
CLIENT PROJ. ID: 10-1682-03

MATRIX SPIKE RECOVERY SUMMARY

METHOD 8080 (PCBs)
(WATER MATRIX)

COMPOUND	Spike Amount (ug/L)	Sample Result (ug/L)	MS Result (ug/L)	MSD Result (ug/L)	Average Percent Recovery	RPD
A1260	4.30	ND	5.11	5.16	119.4	1.0

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
A1260	(57-121)	20

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

KLEINFELDER

R-1 AS#C+D
R-315-3
9111081 - 9111098

PROJ. NO.: 10-1642-03
PROJECT NAME: [illegible]

L.P. NO. (P.O. NO.)
SAMPLERS (Signature/Number): [illegible]

DATE MM/DD/YY	SAMPLE I.D. TIME HH:MM:SS	SAMPLE I.D.	NO. OF CONTAINERS	EPA 601	BTXE/8020	TPH-Diesel	PCB	Oil & Grease	EPA 8010/8020	REMARKS
11/13/91	806	56615 01A-J	10	X	X	X	X	X		
↓	843	56624 02A-J	↓	↓	↓	↓	↓	↓		
↓	936	56640 03A-J	↓	↓	↓	↓	↓	↓		
↓	1041	56650 01A-J	↓	↓	↓	↓	↓	↓		[illegible] PCB
↓	1133	56660 02A-J	↓	↓	↓	↓	↓	↓		
↓	1204	56670 03A-J	↓	X	X	X	X	X		
	1240	56675 04AB	2						X	did not receive
	1255	63540 #1 TVL Blk	2 04 05AB						X	
	↓	[illegible]4 #3 TVL Blk	2 05 06AB						X	
	↓	63538 #2 TVL Blk	2 04 05AB						X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	11/13/91	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)
	11/3/91 1300	[signature]

Remarks: STTA
Attn: Kym Sesionek

Send Results To:
KLEINFELDER
2121 N. CALIFORNIA BLVD.
SUITE 570
WALNUT CREEK, CA 94596
(415) 938-5610

M-60 White - Sampler Canary - Return Copy To Shipper Pink - Lab Copy No 1556

ANALYTICAL SERVICES

WORKING COPY

MED-TOX ASSOCIATES, INC.

DOHS CERTIFICATION NO: E772

CERTIFICATE OF ANALYSIS

KLEINFELDER, INC.
2121 N. CALIFORNIA STREET
SUITE 570
WALNUT CREEK, CA 94596
ATTN: KRYS JESIONEK

CLIENT PROJ. ID: 10-1682-03
C.O.C. NO: 1557

REPORT DATE: 11/27/91

DATE SAMPLED: 11/14/91

DATE RECEIVED: 11/14/91

MED-TOX JOB NOS: 9111102, 9111103

ANALYSIS OF: WATER SAMPLES

See attached for results

Andrew Bradeen, Manager
Organic Laboratory

Results FAXed 11/22-25/91

KLEINFELDER, INC.

DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
CLIENT PROJ. ID: 10-1682-03

REPORT DATE: 11/27/91

MED-TOX JOB NOS: 9111102, 9111103

Sample Identification Client Id.	Lab No.	Extractable Hydrocarbons as Diesel (mg/L)	Extractable Hydrocarbons as Oil (mg/L)	Oil & Grease (mg/L)	Hydrocarbons (mg/L)
9111102					
56680 > MW-8	01E	1.0	0.4	---	---
56680 > MW-8	01I	---	---	4	3
56690 > MW-13	02E	0.6	ND	---	---
56690 > MW-13	02I	---	---	0.9	0.8
56700 > MW-13(d)	03E	0.6	ND	---	---
56700 > MW-13(d)	03I	---	---	0.9	0.9
56710 > MW-16	04E	0.08	ND	---	---
56710 > MW-16	04I	---	---	ND	ND
9111103					
56720 > MW-14	01E	ND	ND	---	---
56720 > MW-14	01I	---	---	ND	ND
56730 > MW-3	02E	210	120	---	---
56730 > MW-3	02I	---	---	360	330
56740 > MW-2	03E	110	57	---	---
56740 > MW-2	03I	---	---	110	96
Detection Limit		0.05	0.1	0.5	0.5
Method:		3520 GCFID	3520 GCFID	5520C	5520F
Instrument:		C	C	IR	IR
Date Extracted:		11/15,21/91	11/15,21/91	11/18/91	11/18/91
Date Analyzed:		11/19-22/91	11/19-22/91	11/20/91	11/20/91

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56680
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-01A
MED-TOX JOB NO: 9111102
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56690
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-02A
MED-TOX JOB NO: 9111102
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56700
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-03A
MED-TOX JOB NO: 9111102
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56710
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-04A
MED-TOX JOB NO: 9111102
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56720
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-01A
MED-TOX JOB NO: 9111103
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56730
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-02A
MED-TOX JOB NO: 9111103
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56740
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-03A
MED-TOX JOB NO: 9111103
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56746 #1
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-04A
MED-TOX JOB NO: 9111103
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56748 #2
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-05A
MED-TOX JOB NO: 9111103
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56750 #3
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-06A
MED-TOX JOB NO: 9111103
DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56680
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-01C
MED-TOX JOB NO: 9111102

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56690
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-02C
MED-TOX JOB NO: 9111102

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56700
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-03C
MED-TOX JOB NO: 9111102

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56710
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-04C
MED-TOX JOB NO: 9111102

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56720
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-01C
MED-TOX JOB NO: 9111103

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56730
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-02C
MED-TOX JOB NO: 9111103

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56740
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-03C
MED-TOX JOB NO: 9111103

DATE ANALYZED: 11/18/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56746 #1
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-04A
MED-TOX JOB NO: 9111103

DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8020 (WATER MATRIX)

AROMATIC VOLATILE HYDROCARBONS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Toluene	108-88-3	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56748 #2
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-05A
MED-TOX JOB NO: 9111103

DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8020 (WATER MATRIX)

AROMATIC VOLATILE HYDROCARBONS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Toluene	108-88-3	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56750 #3
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-06A
MED-TOX JOB NO: 9111103

DATE ANALYZED: 11/18/91
INSTRUMENT: G

EPA METHOD 8020 (WATER MATRIX)

AROMATIC VOLATILE HYDROCARBONS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Toluene	108-88-3	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56680
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-01G
MED-TOX JOB NO: 9111102
DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56690
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-02G
MED-TOX JOB NO: 9111102
DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56700
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-03G
MED-TOX JOB NO: 9111102
DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56710
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111102-04G
MED-TOX JOB NO: 9111102
DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56720
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-01G
MED-TOX JOB NO: 9111103
DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56730
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-02G
MED-TOX JOB NO: 9111103
DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	7.4	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56740
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/14/91
DATE RECEIVED: 11/14/91
REPORT DATE: 11/27/91

MED-TOX LAB NO: 9111103-03G
MED-TOX JOB NO: 9111103
DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	1	0.5

ND = Not Detected

MED-TOX ASSOCIATES, INC.

QUALITY CONTROL DATA

KLEINFELDER, INC.

CLIENT PROJECT ID: 10-1682-03

MED-TOX JOB NOS: 9111102 & 9111103

DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/20/91
SAMPLE SPIKED: D.I. WATER
INSTRUMENT: IR

MED-TOX JOB NOS: 9111102, 9111103
CLIENT PROJ. ID: 10-1682-03

IR DETERMINATION/OIL & GREASE/HYDROCARBONS
MATRIX SPIKE RECOVERY SUMMARY
(WATER MATRIX; EXTRACTION METHOD)

ANALYTE	Spike Conc. (mg/L)	Sample Result (mg/L)	MS Result (mg/L)	MSD Result (mg/L)	Average Percent Recovery	RPD
Oil	6.96	ND	6.63	6.63	95.3	0.0

CURRENT QC LIMITS (Revised 08/14/91)

Analyte	Percent Recovery	RPD
OIL	(87-116)	6.5

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE EXTRACTED: 11/15/91
DATE ANALYZED: 11/19/91
SAMPLE SPIKED: D.I. WATER
INSTRUMENT: C

MED-TOX JOB NO: 9111102

CLIENT PROJ. ID: 10-1682-03

MATRIX SPIKE RECOVERY SUMMARY
TPH EXTRACTABLE WATERS
METHOD 3520 GCFID
(WATER MATRIX; EXTRACTION METHOD)

ANALYTE	Spike Conc. (mg/L)	Sample Result (mg/L)	MS Result (mg/L)	MSD Result (mg/L)	Average Percent Recovery	RPD
Diesel	0.636	ND	0.394	0.406	62.9	3.0

CURRENT QC LIMITS (Revised 08/15/91)

Analyte	Percent Recovery	RPD
Diesel	(49.3-101.4)	29.0

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE EXTRACTED: 11/21/91
DATE ANALYZED: 11/22/91
SAMPLE SPIKED: D.I. WATER
INSTRUMENT: C

MED-TOX JOB NO: 9111103

CLIENT PROJ. ID: 10-1682-03

MATRIX SPIKE RECOVERY SUMMARY
TPH EXTRACTABLE WATERS
METHOD 3520 GCFID
(WATER MATRIX; EXTRACTION METHOD)

ANALYTE	Spike Conc. (mg/L)	Sample Result (mg/L)	MS Result (mg/L)	MSD Result (mg/L)	Average Percent Recovery	RPD
Diesel	0.636	ND	0.48	0.42	70.8	13.3

CURRENT QC LIMITS (Revised 08/15/91)

Analyte	Percent Recovery	RPD
Diesel	(49.3-101.4)	29.0

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

INSTRUMEMT: G

MED-TOX JOB NOS: 9111102, 9111103

CLIENT REF: 10-1682-03

SURROGATE STANDARD RECOVERY SUMMARY

METHOD 8010/8020
(WATER MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)	
Date Analyzed	Client Id.	Lab No.	Bromochloro-methane	1,4-Dichloro-butane
	9111102			
11/18/91	56680	01A	114.2	108.5
11/18/91	56690	02A	109.2	110.5
11/18/91	56700	03A	116.8	120.0
11/18/91	56710	04A	112.8	115.5
	9111103			
11/18/91	56720	01A	112.2	110.7
11/18/91	56730	02A	112.9	113.1
11/18/91	56740	03A	114.8	116.7
11/18/91	56746 #1	04A	114.4	115.6
11/18/91	56748 #2	05A	114.1	114.5
11/18/91	56750 #3	06A	113.1	110.7

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
Bromochloromethane	(80-120)
1,4-Dichlorobutane	(80-120)

DATE ANALYZED: 11/18/91
SAMPLE SPIKED: D.I.WATER
CLIENT PROJ. ID: 10-1682-03

MED-TOX JOB NOS: 9111102, 9111103
INSTRUMENT: G

MATRIX SPIKE RECOVERY SUMMARY

METHOD 8010/8020 (WATER)

ANALYTE	Spike Conc. (ug/L)	Sample Result (ug/L)	MS Result (ug/L)	MSD Result (ug/L)	Average Percent Recovery	RPD
1,1-Dichloroethene	50.0	ND	42.6	41.4	84.0	2.4
Trichloroethene	50.0	ND	49.7	48.5	98.2	2.4
Benzene	50.0	ND	47.7	47.2	94.9	1.1
Toluene	50.0	ND	46.5	46.2	92.7	0.6
Chlorobenzene	50.0	ND	39.8	38.9	78.7	2.3

CURRENT QC LIMITS (Revised 07/11/91)

Analyte	Percent Recovery	RPD
1,1-Dichloroethene	(66-130)	17.0
Trichloroethene	(83-128)	15.2
Benzene	(81-121)	9.5
Toluene	(81-119)	10.1
Chlorobenzene	(74-118)	9.8

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE EXTRACTED: 11/18/91

MED-TOX JOB NOS: 9111102, 9111103

CLIENT PROJ. ID: 10-1682-03

INSTRUMENT: B

SURROGATE STANDARD RECOVERY SUMMARY

METHOD 8080
(WATER MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)
Date Analyzed	Client Id.	Lab No.	2,4,5,6-Tetrachloro-meta-xylene
	9111102		
11/19/91	56680	01G	84
11/19/91	56690	02G	76
11/19/91	56700	03G	72
11/19/91	56710	04G	67
	9111103		
11/19/91	56720	01G	95
11/19/91	56730	02G	34
11/19/91	56740	03G	68

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
2,4,5,6-Tetrachloro-meta-xylene	(23-125)

DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
CLIENT PROJ. ID: 10-1682-03

MED-TOX JOB NOS: 9111102, 9111103
INSTRUMENT: B

MATRIX SPIKE RECOVERY SUMMARY

METHOD 8080 (PCBs)
(WATER MATRIX)

COMPOUND	Spike Amount (ug/L)	Sample Result (ug/L)	MS Result (ug/L)	MSD Result (ug/L)	Average Percent Recovery	RPD
A1260	4.30	ND	4.71	4.64	108.7	1.5

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
A1260	(57-121)	20

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

KLEINFELDER

R-3, S-3
R-4, S-D+J

9111102+9111103

PROJ. NO.	PROJECT NAME
10-1682-03	
L.P. NO. (P.O. NO.)	SAMPLERS: (Signature/Number) Will J. McKell

DATE MM/DD/YY	SAMPLE I.D. TIME HH:MM:SS	SAMPLE I.D.	NO. OF CONTAINERS	ANALYSIS: EPA 601	BTXE - 8020	TPH @ Diesel	PCB	O&G & Grease	EPA 8010 / 8020	REMARKS
11/14/91	6:41	56680 01A-J1	10	X	X	X	X	X		
	7:27	56690 02A-J1								
	7:41	56700 03A-J1								
	8:36	56710 04A-J1								
	9:37	56720 01A-J								
	11:51	56730 02A-J								
	12:26	56740 03A-J	↓	X	X	X	X	X		
	12:40	56746 TVL Blnk #1 04AB							X	
	12:41	56748 TVL Blnk #2 05AB							X	
11/14/91	17:42	56750 TVL Blnk #3 06AB	↓						X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Will J. McKell	11/14/91	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)
	11/14/91	

Remarks: 5 TAT
Attn: Kris Jesionek

Send Results To:

KLEINFELDER
2121 N. CALIFORNIA BLVD.
SUITE 570
WALNUT CREEK, CA 94596
(415) 938-5610

M-60 White - Sampler Canary - Return Copy To Shipper Pink - Lab Copy

No. 1557

ANALYTICAL SERVICES

WORKING CO. ,

MED-TOX ASSOCIATES, INC

DOHS CERTIFICATION NO: E772

CERTIFICATE OF ANALYSIS

KLEINFELDER, INC.
2121 N. CALIFORNIA STREET
SUITE 570
WALNUT CREEK, CA 94596
ATTN: KRYS JESIONEK

CLIENT PROJ. ID: 10-1682-03
C.O.C. NO: 1553

REPORT DATE: 11/30/91

DATE SAMPLED: 11/15/91

DATE RECEIVED: 11/15/91

MED-TOX JOB NO: 9111115

ANALYSIS OF: WATER SAMPLES

See attached for results

Andrew Bradeen

Andrew Bradeen, Manager
Organic Laboratory

Results FAXed 11/26/91

KLEINFELDER, INC.

DATE SAMPLED: 11/15/91
DATE RECEIVED: 11/15/91
CLIENT PROJ. ID: 10-1682-03

REPORT DATE: 11/30/91

MED-TOX JOB NO: 9111115

Sample Identification Client Id.	Lab No.	Extractable Hydrocarbons as Diesel (mg/L)	Extractable Hydrocarbons as Oil (mg/L)	Oil & Grease (mg/L)	Hydrocarbons (mg/L)
56758 > MW-1	01E	9.5	4.9	---	---
56758 > MW-1	01G	---	---	22	19
56770 > "Tap"	02E	ND	ND	---	---
56770 > "Tap"	02G	---	---	ND	ND
Detection Limit		0.05	0.1	0.5	0.5
Method:		3520 GCFID	3520 GCFID	5520C	5520F
Instrument:		C	C	IR	IR
Date Extracted:		11/22/91	11/22/91	11/22/91	11/22/91
Date Analyzed:		11/25/91	11/25/91	11/26/91	11/26/91

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56758
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/15/91
DATE RECEIVED: 11/15/91
REPORT DATE: 11/30/91

MED-TOX LAB NO: 9111115-01A
MED-TOX JOB NO: 9111115
DATE ANALYZED: 11/20/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56770
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/15/91
DATE RECEIVED: 11/15/91
REPORT DATE: 11/30/91

MED-TOX LAB NO: 9111115-02A
MED-TOX JOB NO: 9111115
DATE ANALYZED: 11/20/91
INSTRUMENT: G

EPA METHOD 8010 (WATER MATRIX)
HALOGENATED VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Bromodichloromethane	75-27-4	ND	0.5
Bromoform	75-25-2	ND	0.5
Bromomethane	74-83-9	ND	0.5
Carbon Tetrachloride	56-23-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.5
Chloroethane	75-00-3	ND	0.5
2-Chloroethyl Vinyl Ether	110-75-8	ND	0.5
Chloroform	67-66-3	ND	0.5
Chloromethane	74-87-3	ND	0.5
Dibromochloromethane	124-48-1	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
Dichlorodifluoromethane	75-71-8	ND	0.5
1,1-Dichloroethane	75-34-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.5
1,1-Dichloroethene	75-35-4	ND	0.5
cis-1,2-Dichloroethene	156-69-4	ND	0.5
trans-1,2-Dichloroethene	156-60-5	ND	0.5
1,2-Dichloropropane	78-87-5	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	ND	0.5
trans-1,3-Dichloropropene	10061-02-6	ND	0.5
Methylene Chloride	75-09-2	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Tetrachloroethene	127-18-4	ND	0.5
1,1,1-Trichloroethane	71-55-6	ND	0.5
1,1,2-Trichloroethane	79-00-5	ND	0.5
Trichloroethene	79-01-6	ND	0.5
Trichlorofluoromethane	75-69-4	ND	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	0.5
Vinyl Chloride	75-01-4	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56758
DATE SAMPLED: 11/15/91
DATE RECEIVED: 11/15/91

REPORT DATE: 11/30/91

MED-TOX LAB NO: 9111115-01C
MED-TOX JOB NO: 9111115

DATE ANALYZED: 11/20/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT PROJ. ID: 10-1682-03
CLIENT ID: 56770
DATE SAMPLED: 11/15/91
DATE RECEIVED: 11/15/91

REPORT DATE: 11/30/91

MED-TOX LAB NO: 9111115-02C
MED-TOX JOB NO: 9111115

DATE ANALYZED: 11/20/91
INSTRUMENT: G

BTEX (WATER MATRIX)

METHOD: EPA 8020 (5030)

	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56758
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/15/91
DATE RECEIVED: 11/15/91
REPORT DATE: 11/30/91

MED-TOX LAB NO: 9111115-01I
MED-TOX JOB NO: 9111115
DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR		CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor	1016	12674-11-2	ND	0.5
Aroclor	1221	11104-28-2	ND	0.5
Aroclor	1232	11141-16-5	ND	0.5
Aroclor	1242	53469-21-9	ND	0.5
Aroclor	1248	12672-29-6	ND	0.5
Aroclor	1254	11097-69-1	ND	0.5
Aroclor	1260	11096-82-5	ND	0.5

ND = Not Detected

KLEINFELDER, INC.

CLIENT ID: 56770
CLIENT PROJ. ID: 10-1682-03
DATE SAMPLED: 11/15/91
DATE RECEIVED: 11/15/91
REPORT DATE: 11/30/91

MED-TOX LAB NO: 9111115-02I
MED-TOX JOB NO: 9111115
DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
INSTRUMENT: B

EPA METHOD 8080
POLYCHLORINATED BIPHENYLS
(WATER MATRIX)

AROCLOR	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Aroclor 1016	12674-11-2	ND	0.5
Aroclor 1221	11104-28-2	ND	0.5
Aroclor 1232	11141-16-5	ND	0.5
Aroclor 1242	53469-21-9	ND	0.5
Aroclor 1248	12672-29-6	ND	0.5
Aroclor 1254	11097-69-1	ND	0.5
Aroclor 1260	11096-82-5	ND	0.5

ND = Not Detected

MED-TOX ASSOCIATES, INC.

QUALITY CONTROL DATA

KLEINFELDER, INC.

CLIENT PROJECT ID: 10-1682-03

MED-TOX JOB NO: 9111115

DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/20/91
SAMPLE SPIKED: D.I. WATER
INSTRUMENT: IR

MED-TOX JOB NO: 9111115

CLIENT PROJ. ID: 10-1682-03

IR DETERMINATION/OIL & GREASE/HYDROCARBONS
MATRIX SPIKE RECOVERY SUMMARY
(WATER MATRIX; EXTRACTION METHOD)

ANALYTE	Spike Conc. (mg/L)	Sample Result (mg/L)	MS Result (mg/L)	MSD Result (mg/L)	Average Percent Recovery	RPD
Oil	6.96	ND	6.63	6.63	95.3	0.0

CURRENT QC LIMITS (Revised 08/14/91)

Analyte	Percent Recovery	RPD
OIL	(87-116)	6.5

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE EXTRACTED: 11/21/91
DATE ANALYZED: 11/22/91
SAMPLE SPIKED: D.I. WATER
INSTRUMENT: C

MED-TOX JOB NO: 9111115

CLIENT PROJ. ID: 10-1682-03

MATRIX SPIKE RECOVERY SUMMARY
TPH EXTRACTABLE WATERS
METHOD 3520 GCFID
(WATER MATRIX; EXTRACTION METHOD)

ANALYTE	Spike Conc. (mg/L)	Sample Result (mg/L)	MS Result (mg/L)	MSD Result (mg/L)	Average Percent Recovery	RPD
Diesel	0.636	ND	0.476	0.421	70.5	12.3

CURRENT QC LIMITS (Revised 08/15/91)

Analyte	Percent Recovery	RPD
Diesel	(49.3-101.4)	29.0

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

INSTRUMEMT: G

MED-TOX JOB NO: 9111115

CLIENT REF: 10-1682-03

SURROGATE STANDARD RECOVERY SUMMARY

METHOD 8010/8020
(WATER MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)	
Date Analyzed	Client Id.	Lab No.	Bromochloro-methane	1,4-Dichloro-butane
11/20/91	56758	01A	91.3	88.6
11/20/91	56770	02A	89.7	87.9

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
Bromochloromethane	(80-120)
1,4-Dichlorobutane	(80-120)

DATE ANALYZED: 11/20/91
SAMPLE SPIKED: D.I.WATER
CLIENT PROJ. ID: 10-1682-03

MED-TOX JOB NO: 9111115
INSTRUMENT: G

MATRIX SPIKE RECOVERY SUMMARY

METHOD 8010/8020
(WATER)

ANALYTE	Spike Conc. (ug/L)	Sample Result (ug/L)	MS Result (ug/L)	MSD Result (ug/L)	Average Percent Recovery	RPD
1,1-Dichloroethene	50.0	ND	41.7	41.5	83.2	0.5
Trichloroethene	50.0	ND	48.7	49.0	97.7	0.6
Benzene	50.0	ND	48.9	48.2	97.1	1.4
Toluene	50.0	ND	47.6	47.0	94.6	1.3
Chlorobenzene	50.0	ND	39.8	39.7	79.5	0.3

CURRENT QC LIMITS (Revised 07/11/91)

Analyte	Percent Recovery	RPD
1,1-Dichloroethene	(66-130)	17.0
Trichloroethene	(83-128)	15.2
Benzene	(81-121)	9.5
Toluene	(81-119)	10.1
Chlorobenzene	(74-118)	9.8

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE EXTRACTED: 11/18/91

MED-TOX JOB NO: 9111115

CLIENT PROJ. ID: 10-1682-03

INSTRUMENT: B

SURROGATE STANDARD RECOVERY SUMMARY

METHOD 8080
(WATER MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)
Date Analyzed	Client Id.	Lab No.	2,4,5,6-Tetrachloro-meta-xylene
11/19/91	56758	01I	42
11/19/91	56770	02I	98

CURRENT QC LIMITS

ANALYTE	PERCENT RECOVERY
2,4,5,6-Tetrachloro-meta-xylene	(23-125)

DATE EXTRACTED: 11/18/91
DATE ANALYZED: 11/19/91
CLIENT PROJ. ID: 10-1682-03

MED-TOX JOB NO: 9111115
INSTRUMENT: B

MATRIX SPIKE RECOVERY SUMMARY

METHOD 8080 (PCBs)
(WATER MATRIX)

COMPOUND	Spike Amount (ug/L)	Sample Result (ug/L)	MS Result (ug/L)	MSD Result (ug/L)	Average Percent Recovery	RPD
A1260	4.30	ND	4.71	4.64	109.0	1.5

CURRENT QC LIMITS

Analyte	Percent Recovery	RPD
A1260	(57-121)	20

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS	ANALYSIS: EPA 601	BTXE & TPH @ Diesel	Oil & Grease	PCB								REMARKS
10-1682-03														
L.P. NO. (P.O. NO.)	SAMPLERS: (Signature/Number) Willie J. Mitchell #1502													
DATE MM/DD/YY	SAMPLE I.D. TIME HH:MM.SS	SAMPLE I.D.												
11/15/91	11:04	56758	10	X	X	X	X	X						
↓	11:25	56770	10	X	X	X	X	X						

9111115

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Willie J. Mitchell	11/15/91	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)
	11/15/91 1570	Cyrus Gillespie

Remarks
S.T.A.
Attn: Krys Jesionek

Send Results To
KLEINFELDER
2121 N. CALIFORNIA BLVD.
SUITE 570
WALNUT CREEK, CA 94596
(415) 938-5610

M-60 White - Sampler Canary - Return Copy To Shipper Pink - Lab Copy

№ 1553

CHAIN OF CUSTODY