



# GILFILIAN ENGINEERING & ENVIRONMENTAL TESTING, INC.

Professional Environmental Consultants

2605 Denali Street, Suite 203 □ Anchorage, Alaska 99503-2749

Tel: (907) 277-2021 □ Fax: (907) 274-8683

August 16, 1995

Mike Kriebler, P.E.  
ADEC Mat-Su District Office  
P.O. Box 871064  
Wasilla, Alaska 99687-9998

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AUG 24 1995

DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
MSDO

RE: Soil Stockpile and Ground Water Monitoring  
**Knik Texaco, Wasilla, Alaska**  
Located on Parcel D15, S16, T17N, R1 W, SM  
ADEC UST Facility I.D. #2540  
GE<sup>2</sup>T Project No. 93147

Dear Mr. Kriebler:

The purpose of this letter is to provide you with information regarding the contamination characteristics of the soil stockpiles from the April 1994, UST excavation at the Knik Texaco site. The stockpiles are located at the project site on protective liners and have been covered with a protective membrane since the time of the UST excavation. Two soil stockpiles were generated during the original UST excavation, segregated into predominantly diesel contaminated soil and gasoline contaminated soil. The gasoline contaminated soil stockpile is approximately 115 cubic yards, and the diesel soil stockpile is approximately 15 cubic yards.

On June 6, 1995, five discrete grab soil samples were collected from different locations around the gas stockpile, and one discrete grab soil sample from the diesel stockpile, from holes dug approximately 2 to 3 feet into the piles. The samples were collected by Mr. Steve Rebillard, a Senior Environmental Geologist with Gilfilian Engineering & Environmental Testing, Inc. (GE<sup>2</sup>T).

The samples were delivered under Chain-of-Custody to CT&E Environmental Services, Inc. (CT&E) of Anchorage for analysis of volatile petroleum hydrocarbons (VPH) and BTEX (for the gas stockpile samples), and extractable petroleum hydrocarbons (EPH) (for the diesel stockpile sample), according to EPA Test Methods 8015M/8020 and 8100M, respectively. A copy of the Chain-of-Custody and the test results are included with this report (referenced as CT&E Reference No. 95.2272). The test results are summarized in Table 1.

Table 1: Soil Stockpile Sample Test Results

Sample No.	Location of Sample	VPH (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	EPH (mg/kg)
1	Gasoline Soil Stockpile	ND (0.800)	ND (0.040)	ND	NT
2	Gasoline Soil Stockpile	ND (0.800)	ND (0.040)	ND	NT
3	Gasoline Soil Stockpile	ND (0.900)	ND (0.045)	ND	NT
4	Gasoline Soil Stockpile	ND (0.800)	ND (0.040)	ND	NT
5	Gasoline Soil Stockpile	ND (0.800)	ND (0.040)	ND	NT
6	Diesel Stockpile	NT	NT	NT	977

ND = Not Detected above the indicated quantification units.

mg/kg = Milligrams per Kilogram

NT = Not Tested

A matrix score for the Knik Texaco site was calculated in our Site Assessment Report, dated 6/8/94. A score of 44 was calculated which placed the site in **Level A** for establishing target cleanup levels. Based on the test results given in Table 1 for the soil samples collected from the gasoline contaminated soil stockpile, the levels of gasoline petroleum hydrocarbons have been adequately reduced to within the target cleanup levels as established in 18 AAC 78.315. It is the intention of Mr. Herb Rosencrans, the property owner, to landspread the soil on-site in the area located west of the Goodyear Tire building.

The test results for the diesel contaminated soil stockpile show diesel levels that are above the target cleanup levels for Level A. There is a possibility this stockpile can be transported for land spreading at the old Wasilla Airport site, subject to an agreement being reached by all parties (ADEC, City of Wasilla and Mr. Rosencrans). We would appreciate an opportunity to meet with you to discuss this method of disposal.

Also, included with this report are the results of a ground water monitoring event at the Knik Texaco site. On June 6, 1995, Mr. Tom Johnston, an Environmental Specialist with GE<sup>2</sup>T, purged MW1 of 6 to 8 gallons of water, and MW2 and MW3 of 10 gallons of water. After sufficient time elapsed to allow for the wells to recharge, ground water samples were collected. The water samples were submitted to CT&E for analysis of BTEX according to EPA Test Method 602. The test results are included with this report (referenced as CT&E Reference No. 95.2271) and are summarized in Table 2.

Table 2: Water Test Results

Sample No.	Date Collected	Static Water * Elevations (ft.)	Benzene (ppb)	Total BTEX (ppb)
MW1	6/6/95	90.48	102	124.9
MW2	6/6/95	90.50	65	419
MW3	6/6/95	90.50	9420	41955

ppb = parts per billion

\* - Ground Water elevations, reference to datum at top of NE bolt on Goodyear Sign (100.00')

We look forward to your response to this letter as Mr. Rosencrans desires to have the soil landspreading work completed as soon as possible. If you have any questions regarding this report, please contact us at 277-2021.

Sincerely,



Mary L. Shreves, PEI  
Engineering Associate

Enclosures: CT&E Laboratory Test Results (Ref. No. #95.2272 and #95.2271)

c: Herb Rosencrans, Knik Texaco

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MSDO



# CT&E Environmental Services Inc.

Laboratory Division

## Laboratory Analysis Report

CT&E Ref.# 95.2272-1  
Matrix SOIL  
Client Sample ID #1 STOCKPILE

Client Name GILFILIAN ENGR & ENV TESTING INC.  
Ordered By BOB GILFILIAN  
Project Name KNIK TEXACO  
Project# 193147  
PWSID UA

WORK Order 15280  
Printed Date 06/13/95 @ 13:29 hrs.  
Collected Date 06/06/95 @ 10:30 hrs.  
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By *Shane Patten*

Sample Remarks: SAMPLE COLLECTED BY: STEVE REBILLARD.

Parameter	Results	QC Qual	Units	Method	Allowable Limits	Ext. Date	Anal Date	Init
Percent Solids	96.1		%	SM17 2540G			06/07/95	CAV
VPH & BTEX				EPA 8015M/8020				
Hydrocarbons VPH	0.800	U	mg/Kg	EPA 5030/8015m		06/07/95	06/10/95	SPM
	---							
Benzene	0.040	U	mg/Kg	EPA 8020		06/07/95	06/10/95	SPM
Toluene	0.040	U	mg/Kg	EPA 8020		06/07/95	06/10/95	SPM
Ethylbenzene	0.040	U	mg/Kg	EPA 8020		06/07/95	06/10/95	SPM
p&m Xylene	0.040	U	mg/Kg	EPA 8020		06/07/95	06/10/95	SPM
o-Xylene	0.040	U	mg/Kg	EPA 8020		06/07/95	06/10/95	SPM

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MSDO

\* See Special Instructions Above  
 \*\* See Sample Remarks Above  
 U = Undetected, Reported value is the practical quantification limit.  
 D = Secondary dilution.

UA = Unavailable  
 NA = Not Analyzed  
 LT = Less Than  
 GT = Greater Than



CT&E Environmental Services Inc.

CT&E Ref.# 95.2272-2
Matrix SOIL
Client Sample ID #2 STOCKPILE

Client Name GILFILIAN ENGR & ENV TESTING INC.
Ordered By BOB GILFILIAN
Project Name KNIK TEXACO
Project# 193147
PWSID UA

WORK Order 15280
Printed Date 06/13/95 @ 13:29 hrs.
Collected Date 06/06/95 @ 10:45 hrs.
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By [Signature]

Sample Remarks: SAMPLE COLLECTED BY: STEVE REBILLARD.

Table with 10 columns: Parameter, Results, QC Qual, Units, Method, Allowable Limits, Ext. Date, Anal Date, Init. Rows include Percent Solids, VPH & BTEX, Hydrocarbons VPH, Benzene, Toluene, Ethylbenzene, p&m Xylene, o-Xylene.

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\*\* See Sample Remarks Above
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NA = Not Analyzed
LT = Less Than
GT = Greater Than



CT&E Environmental Services Inc.

CT&E Ref.# 95.2272-3
Matrix SOIL
Client Sample ID #3 STOCKPILE

Client Name GILFILIAN ENGR & ENV TESTING INC.
Ordered By BOB GILFILIAN
Project Name KNIK TEXACO
Project# 193147
PWSID UA

WORK Order 15280
Printed Date 06/13/95 @ 13:29 hrs.
Collected Date 06/06/95 @ 10:50 hrs.
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By [Signature]

Sample Remarks: SAMPLE COLLECTED BY: STEVE REBILLARD.

Table with columns: Parameter, Results, QC Qual, Units, Method, Allowable Limits, Ext. Date, Anal Date, Init. Rows include Percent Solids, VPH & BTEX, Hydrocarbons VPH, Benzene, Toluene, Ethylbenzene, p&m Xylene, o-Xylene.

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\* See Special Instructions Above

\*\* See Sample Remarks Above

U = Undetected, Reported value is the practical quantification limit.

D = Secondary dilution.

UA = Unavailable

NA = Not Analyzed

LT = Less Than

GT = Greater Than

108-01185-95



CT&E Ref.# 95.2272-4
Matrix SOIL
Client Sample ID #4 STOCKPILE

Client Name GILFILIAN ENGR & ENV TESTING INC.
Ordered By BOB GILFILIAN
Project Name KNIK TEXACO
Project# 193147
PWSID UA

WORK Order 15280
Printed Date 06/13/95 @ 13:29 hrs.
Collected Date 06/06/95 @ 11:10 hrs.
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By [Signature]

Sample Remarks: SAMPLE COLLECTED BY: STEVE REBILLARD.

Table with 10 columns: Parameter, Results, QC Qual, Units, Method, Allowable Limits, Ext. Date, Anal Date, Init. Rows include Percent Solids, VPH & BTEX, Hydrocarbons VPH, Benzene, Toluene, Ethylbenzene, p&m Xylene, o-Xylene.

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AUG 24 1995
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MSDO

\* See Special Instructions Above

\*\* See Sample Remarks Above

U = Undetected, Reported value is the practical quantification limit.

D = Secondary dilution.

UA = Unavailable

NA = Not Analyzed

LT = Less Than

GT = Greater Than



CT&E Environmental Services Inc.

CT&E Ref.# 95.2272-5
Matrix SOIL
Client Sample ID #5 STOCKPILE

Client Name GILFILIAN ENGR & ENV TESTING INC.
Ordered By BOB GILFILIAN
Project Name KNIK TEXACO
Project# 193147
PWSID UA

WORK Order 15280
Printed Date 06/13/95 @ 13:29 hrs.
Collected Date 06/06/95 @ 11:30 hrs.
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By [Signature]

Sample Remarks: SAMPLE COLLECTED BY: STEVE REBILLARD.

Table with 9 columns: Parameter, Results, QC Qual, Units, Method, Allowable Limits, Ext. Date, Anal Date, Init. Rows include Percent Solids, VPH & BTEX, Hydrocarbons VPH, Benzene, Toluene, Ethylbenzene, p&m Xylene, o-Xylene.

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DEPARTMENT OF ENVIRONMENTAL CONSERVATION MSDO

\* See Special Instructions Above
\*\* See Sample Remarks Above
U = Undetected, Reported value is the practical quantification limit.
D = Secondary dilution.

UA = Unavailable
NA = Not Analyzed
LT = Less Than
GT = Greater Than



CT&E Environmental Services Inc.

CT&E Ref.# 95.2272-6
Matrix SOIL
Client Sample ID #6 DIESEL STOCKPILE

Client Name GILFILIAN ENGR & ENV TESTING INC.
Ordered By BOB GILFILIAN
Project Name KNIK TEXACO
Project# 193147
PWSID UA

WORK Order 15280
Printed Date 06/13/95 @ 13:29 hrs.
Collected Date 06/06/95 @ 11:50 hrs.
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By [Signature]

Sample Remarks: SAMPLE COLLECTED BY: STEVE REBILLARD. EPH: TYPICAL PATTERN FOR DIESEL. APPEARS TO BE WEATHERED. 95% OF EPH RESPONSE IS IN THE C10 - C20 ALKANE RANGE.

Table with columns: Parameter, Results, QC Qual, Units, Method, Allowable Limits, Ext. Date, Anal Date, Init. Rows include Percent Solids and Hydrocarbons EPH.

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DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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\* See Special Instructions Above
\*\* See Sample Remarks Above
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NA = Not Analyzed
LT = Less Than
GT = Greater Than

105-40185-05





# GILFILIAN ENGINEERING & ENVIRONMENTAL TESTING, INC.

Professional Environmental Consultants

2605 Denali Street, Suite 203 • Anchorage, Alaska 99503-2749  
Tel: (907) 277-2021 • Fax: (907) 274-8683

95.2272

## CHAIN OF CUSTODY RECORD

PROJECT NAME: <i>Knik Texaco</i>	PROJECT NUMBER: <i>193147</i>
-------------------------------------	----------------------------------

SAMPLER: (Printed) <i>Steve Rebillard</i> (Signature) <i>Steve Rebillard</i>	WITNESS: (Printed) (Signature)
---	-----------------------------------

ID No.	Description / Location	Date	Time	Sample Type	# of Cont.	Analysis Required	QA/QC Req.
① 1	Stockpile	6-6-95	1030	Soil	1	VPH/BTEX	Level
② 2	stockpile	6-6-95	1045	Soil	1	VPH/BTEX	
③ 3	Stockpile	6-6-95	1050	Soil	1	VPH/BTEX	
④ 4	Stockpile	6-6-95	1110	Soil	1	VPH/BTEX	
⑤ 5	Stockpile	6-6-95	1130	Soil	1	VPH/BTEX	
⑥ 6	Diesel Stockpile	6-6-95	1150	Soil	1	EPH	↓

Relinquished by: (Printed) <i>Steve Rebillard</i> (Signature) <i>Steve Rebillard</i>	Date / Time <i>6-6-95 1605</i>	Received by: (Printed) <i>Tom Johnston</i> (Signature) <i>Tom Johnston</i>
---	-----------------------------------	---

Relinquished by: (Printed) (Signature)	Date / Time	Received by: (Printed) (Signature)
---	-------------	---------------------------------------

Dispatched by: (Printed) <i>Tom Johnston</i> (Signature) <i>Tom Johnston</i>	Date / Time <i>6/6/95 1127</i>	Received at Laboratory by: <i>J. Magrayo</i>	Date / Time <i>6/6/95 1127</i>
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Method of Shipment: <i>COOLER w/ICE PACKS</i>	Condition of Containers:	Seals yes / no
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Comments:

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**Volatiles Sample QC Summary Page**  
**CT&E Environmental Services Inc.**  
**QA/QC Data Deliverables**

Workorder Number: 95.2272

Analysis: **Aromatic Volatile Organics/Gasoline Range Organics**  
Method: **BTEX by EPA 8020/AK101**  
Matrix: **Liquid or Solid**

Analysis Lot Number: VCA04030610

Extraction Lot Number: 0607VSO1

**Analysis:**

**Assurance Notes:**

**Acceptance Criteria:**

Yes No N/A

A. Holding Time:

All criteria met.

14 days from sample collection for  
TCLP extraction.

All criteria met.

14 days from sample collection  
(or TCLP extraction) for analysis.

B. Surrogates:

All criteria met.

60% - 120% Recovery

C. Notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**AUG 24 1995**

DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
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*I certify that except as specifically noted in this report, all statements and data appearing in this report are in conformance with the provisions of the Quality Assurance Plan (QAP) prepared by this firm and on file with the Alaska Department of Environmental Conservation.*

Analyst's Signature:

Steven P. Myers

Reviewer's Signature:

Mary C. McDonald

Printed Name & Date:

Steven P. Myers 6/12/95

Printed Name & Date:

Mary C. McDonald 6/12/95



# CT&E Environmental Services Inc.

Laboratory Division

## Volatiles Quality Control Summary Page CT&E Environmental Services Inc. QA/QC Data Deliverables

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301

Analysis Date: 95.2272 6/10/95

Analysis Lot Number: VCA04030610

Analysis: **Aromatic Volatile Organics/Gasoline Range Organics**  
Method: **BTEX by EPA 8020/AK101**  
Matrix: **Liquid or Solid**

### Analysis:

### Assurance Notes:

### Acceptance Criteria:

Yes No\*

Analysis:	Assurance Notes:	Yes	No*	Acceptance Criteria:
A. Calibration:	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<25% Relative Standard Deviation
B. Method Blank:	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All concentrations are below the Practical Quantitation Limit
C. Continuing Calibration Verification Std:	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	RF<15% Difference, 75% - 125% Recovery
D. Laboratory Standard:	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	75% - 125% Recovery
E. Quality Control Sample:	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Method Specified
F. Laboratory Control Sample:	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	80% - 120% Recovery
G. Laboratory Control Sample Duplicate:	All criteria met. All criteria met.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	80% - 120% Recovery 0% - 25% Relative Percent Difference
H. QC Surrogates:	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	60% - 120% Recovery
I. Notes:	<u>Secondary surrogate, BFB, may not meet QC goals due to matrix interference.</u>			

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\*Out-of-control conditions require a supervisor's signature.

Analyst's Signature: Steven P. Myers

Supervisor's Signature: \_\_\_\_\_

Printed Name & Date: Steven P. Myers 6/12/95

Date: \_\_\_\_\_

100/522/95



Member of the SGS Group (Société Générale de Surveillance)



# CT&E Environmental Services Inc.

Laboratory Division

Semi-Volatiles Quality Control Summary Page  
CT&E Environmental Services Inc.  
QA/QC Data Deliverables

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301

Analysis Date: 6/9/95

Analysis Lot Number: SR05130609  
Extraction Lot Number: 0609ES01

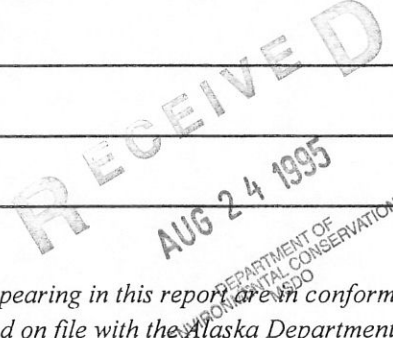
Analysis: **Extractable Petroleum Hydrocarbons**  
Method: **EPA 8100M**  
Matrix: **Solid**

Analysis: Assurance Notes: Acceptance Criteria:

Yes No\*

- |   |  |  |  |
|---|--|--|--|
| A. Calibration:                             | All criteria met.                      | <input checked="" type="checkbox"/> <input type="checkbox"/>   | Correlation Coefficient $\geq 0.995$ ,<br>Relative Standard Deviation $< 25\%$ |
| B. Method Blank:                            | All criteria met.                      | <input checked="" type="checkbox"/> <input type="checkbox"/>   | All concentrations are below the<br>Practical Quantitation Limit               |
| C. Continuing Calibration Verification Std: | All criteria met.                      | <input checked="" type="checkbox"/> <input type="checkbox"/>   | 80% - 120% of True Value   |
| D. Quality Control Sample/Laboratory Std:   | All criteria met.                      | <input checked="" type="checkbox"/> <input type="checkbox"/>   | 75% - 125% Recovery  |
| E. Laboratory Control Sample:               | All criteria met.                      | <input checked="" type="checkbox"/> <input type="checkbox"/>   | 50% - 140% Recovery  |
| F. Laboratory Control Sample Duplicate:     | All criteria met.<br>All criteria met. | <input checked="" type="checkbox"/> <input type="checkbox"/><br><input checked="" type="checkbox"/> <input type="checkbox"/> | 50% - 140% Recovery<br><50% Relative Percent Difference                        |
| G. QC Surrogates:                           | All criteria met.                      | <input checked="" type="checkbox"/> <input type="checkbox"/>   | 50% - 140% Recovery  |

H. Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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\*Out-of-control conditions require a supervisor's signature.

Analyst's Signature: Jennifer Green

Supervisor's Signature: \_\_\_\_\_

Printed Name & Date: Jennifer Green 6/12/95

Date: \_\_\_\_\_

100/522/95



Member of the SGS Group (Société Générale de Surveillance)



Semi-Volatiles Sample QC Summary Page  
CT&E Environmental Services Inc.  
QA/QC Data Deliverables

Workorder Number: 95.2272

Analysis: **Extractable Petroleum Hydrocarbons**  
Method: **EPA 8100M**  
Matrix: **Solid**

Analysis Lot Number: SB05130609

Extraction Lot Number: 0609ES01

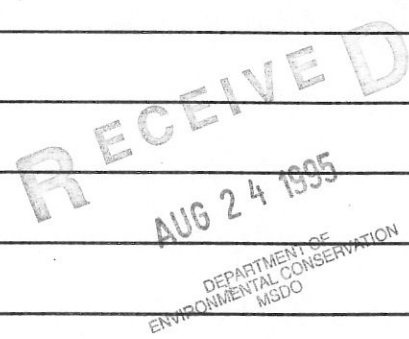
Analysis:

Assurance Notes:

Acceptance Criteria:

	Assurance Notes:	Assurance Notes:			Acceptance Criteria:
		Yes	No	N/A	
A. Holding Time:	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14 days from sample collection for TCLP extraction.
	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		14 days from sample collection (or 7 days from TCLP extraction) for prep extraction.
	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		40 days from extraction for analysis.
B. Surrogates:	All criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		50% - 140% Recovery

C. Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



I certify that except as specifically noted in this report, all statements and data appearing in this report are in conformance with the provisions of the Quality Assurance Plan (QAP) prepared by this firm and on file with the Alaska Department of Environmental Conservation.

Analyst's Signature: [Signature]  
Printed Name & Date: Jennifer Green 6/12/95

Reviewer's Signature: [Signature]  
Printed Name & Date: Kevin Maher 6-13-95



# CT&E Environmental Services Inc.

Laboratory Division

## Laboratory Analysis Report

CT&E Ref.# 95.2271-1  
Matrix WATER  
Client Sample ID S1 MW CLOSEST TO STOCKPILE

Client Name GILFILIAN ENGR & ENV TESTING INC.  
Ordered By BOB GILFILIAN  
Project Name KNIK TEXACO  
Project# 93147  
PWSID UA

WORK Order 15279  
Printed Date 06/14/95 @ 15:02 hrs.  
Collected Date 06/06/95 @ 11:35 hrs.  
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By *Shane Poston*

Sample Remarks: SAMPLE COLLECTED BY: TOM JOHNSTON.

Parameter	Results	QC Qual	Units	Method	Allowable Limits	Ext. Date	Anal Date	Init
Aromatics-BTEX				EPA 602 18AAC78	n/a			
Benzene	0.102	D	mg/L	EPA 602 18AAC78		06/09/95	06/09/95	JLB
Toluene	0.0029		mg/L	EPA 602 18AAC78		06/09/95	06/09/95	JLB
Ethylbenzene	0.100	U	mg/L	EPA 602 18AAC78		06/09/95	06/09/95	JLB
p&m Xylene	0.020		mg/L	EPA 602 18AAC78		06/09/95	06/09/95	JLB
o-Xylene	0.100	U	mg/L	EPA 602 18AAC78		06/09/95	06/09/95	JLB

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200 W. Potter Drive, Anchorage, AK 99518-1605 — Tel: (907) 562-2343 Fax: (907) 561-5301

ENVIRONMENTAL FACILITIES IN ALASKA, CALIFORNIA, FLORIDA, ILLINOIS, MARYLAND, MICHIGAN, MISSOURI, NEW JERSEY, OHIO, WEST VIRGINIA

150-510-95



CT&E Environmental Services Inc.

CT&E Ref.# 95.2271-2
Matrix WATER
Client Sample ID S2 MW EAST END OF TANK PAD

Client Name GILFILIAN ENGR & ENV TESTING INC.
Ordered By BOB GILFILIAN
Project Name KNIK TEXACO
Project# 93147
PWSID UA

WORK Order 15279
Printed Date 06/14/95 @ 15:02 hrs.
Collected Date 06/06/95 @ 11:45 hrs.
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By [Signature]

Sample Remarks: SAMPLE COLLECTED BY: TOM JOHNSTON.

Table with columns: Parameter, Results, QC Qual, Units, Method, Allowable Limits, Ext. Date, Anal Date, Init. Rows include Aromatics-BTEX, Benzene, Toluene, Ethylbenzene, p&m Xylene, o-Xylene.

RECEIVED
AUG 24 1995
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MSDO

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\*\* See Sample Remarks Above
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D = Secondary dilution.

UA = Unavailable
NA = Not Analyzed
LT = Less Than
GT = Greater Than

105/CTES/95



CT&E Environmental Services Inc.

CT&E Ref.# 95.2271-3
Matrix WATER
Client Sample ID S3 MW NEXT TO PUMPS

Client Name GILFILIAN ENGR & ENV TESTING INC.
Ordered By BOB GILFILIAN
Project Name KNIK TEXACO
Project# 93147
PWSID UA

WORK Order 15279
Printed Date 06/14/95 @ 15:02 hrs.
Collected Date 06/06/95 @ 11:50 hrs.
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By [Signature]

Sample Remarks: SAMPLE COLLECTED BY: TOM JOHNSTON.

Table with 10 columns: Parameter, Results, QC Qual, Units, Method, Allowable Limits, Ext. Date, Anal Date, Init. Rows include Aromatics-BTEX, Benzene, Toluene, Ethylbenzene, p&m Xylene, o-Xylene.

RECEIVED
AUG 24 1995
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MSDO

\* See Special Instructions Above
\*\* See Sample Remarks Above
U = Undetected, Reported value is the practical quantification limit.
D = Secondary dilution.

UA = Unavailable
NA = Not Analyzed
LT = Less Than
GT = Greater Than





CT&E Environmental Services Inc.

CT&E Ref.# 95.2271-4
Matrix WATER
Client Sample ID S4 MW NEXT TO PUMPS

Client Name GILFILIAN ENGR & ENV TESTING INC.
Ordered By BOB GILFILIAN
Project Name KNIK TEXACO
Project# 93147
PWSID UA

WORK Order 15279
Printed Date 06/14/95 @ 15:02 hrs.
Collected Date 06/06/95 @ 11:52 hrs.
Received Date 06/07/95 @ 11:27 hrs.

Technical Director STEPHEN C. EDE

Released By [Signature]

Sample Remarks: SAMPLE COLLECTED BY: TOM JOHNSTON.

Table with 10 columns: Parameter, Results, QC Qual, Units, Method, Allowable Limits, Ext. Date, Anal Date, Init. Rows include Aromatics-BTEX, Benzene, Toluene, Ethylbenzene, p&m Xylene, o-Xylene.

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105/CTES/95



# GILFILIAN ENGINEERING & ENVIRONMENTAL TESTING, INC.

Professional Environmental Consultants

2605 Denali Street, Suite 203 • Anchorage, Alaska 99503-2749  
Tel: (907) 277-2021 • Fax: (907) 274-8683

95.2271

## CHAIN OF CUSTODY RECORD

PROJECT NAME: <i>Knik Texaco</i>	PROJECT NUMBER: <i>93147</i>
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SAMPLER: (Printed) <i>Tom Johnston</i> (Signature) <i>Tom Johnston</i>	WITNESS: (Printed) (Signature)
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ID No.	Description / Location	Date	Time	Sample Type	# of Cont.	Analysis Required	QA/QC Req.
<i>1</i> S1	<i>MW closest to STOCKPILE</i>	<i>6/6/95</i>	<i>1135</i>	<i>Grab</i>	<i>1-40ml</i>	<i>BTEX 602</i>	<i>i</i>
<i>2</i> S2	<i>MW east end of tank pad</i>	<i> </i>	<i>1145</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>
<i>3</i> S3	<i>MW next to pumps</i>	<i> </i>	<i>1150</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>
<i>4</i> S4	<i>MW next to pumps</i>	<i> </i>	<i>1152</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>

Relinquished by: (Printed) (Signature)	Date / Time	Received by: (Printed) (Signature)
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Relinquished by: (Printed) (Signature)	Date / Time	Received by: (Printed) (Signature)
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Dispatched by: (Printed) <i>Tom Johnston</i> (Signature) <i>Tom Johnston</i>	Date / Time <i>6/6/95</i> <i>1127</i>	Received at Laboratory by: <i>Jilli Magguy</i>	Date / Time <i>6/07</i> <i>1127</i>
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Method of Shipment: <i>COOLER w/ice packs.</i>	Condition of Containers:	Seals yes / no
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Comments:

**RECEIVED**  
**AUG 24 1995**

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
MSDO