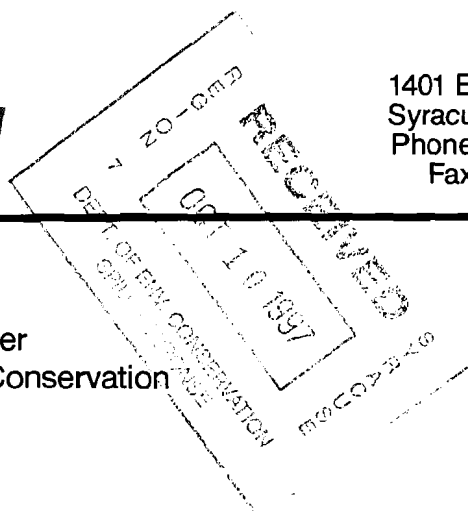




**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107



To: Mr. Richard Brazell, P.E., Regional Spill Engineer
New York State Department of Environmental Conservation
615 Erie Boulevard West
Syracuse, New York 13204-2400

**RE: Alaskan Oil, Incorporated
Voluntary Cleanup Agreement (Index Number D7-0002-95-09)
3RD Quarter 1997 Groundwater Monitoring Report
Main & West Ames Streets, Mexico, New York
SPILL ID #9700653**

Date: October 8, 1997

WE ARE SENDING YOU X HERewith UNDER SEPARATE COVER

One copy of the above-referenced report at the corner of Main Street and West Ames Street.

If you should have any questions regarding the enclosed, do not hesitate to contact me at (315) 478-2374.

IF THE ENCLOSED ARE NOT AS NOTED, PLEASE NOTIFY US AT ONCE.

Sincerely,
Certified Environmental Services

Eric E. Murdock
Senior Project Manager

Enclosures

Transmittal



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

**ALASKAN OIL, INC.
MAIN & WEST AMES STREETS
MEXICO, NEW YORK**

NYSDEC SPILL ID #9700653

**GROUNDWATER MONITORING SERVICES
3RD QUARTER 1997**



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

**ALASKAN OIL, INC.
MAIN & WEST AMES STREETS
MEXICO, NEW YORK**

NYSDEC SPILL ID #9700653

**GROUNDWATER MONITORING SERVICES
3RD QUARTER 1997**

PREPARED FOR:

***Alaskan Oil, Inc.
500 Solar Street
Syracuse, New York***

&

***New York State Department of
Environmental Conservation***

PREPARED BY:

***Certified Environmental Services, Inc.
1401 Erie Boulevard East
Syracuse, New York***

September 30, 1997

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1.0 Introduction	1
2.0 Groundwater Sampling	2
3.0 Laboratory Analyses	4
4.0 Groundwater Monitoring: Results from Laboratory Analyses	4
5.0 Groundwater Elevation Data	5
6.0 Conclusions and Recommendations	5

Appendices

APPENDIX A	Figure 1 - Site Map Figure 2 - 3 RD Quarter 1997 Groundwater Elevation Map
APPENDIX B	Analytical History File
APPENDIX C	Results from Laboratory Analyses; 3 RD Quarter 1997 Sampling Event September 10, 1997
APPENDIX D	Groundwater Elevation Data Summary



1.0 INTRODUCTION

On behalf of Alaskan Oil, Inc. (AOI), Certified Environmental Services, Inc. (CES) is pleased to submit this report of groundwater monitoring services associated with the AOI property located at Main & West Ames Streets, Mexico, New York. This report contains groundwater quality data representing the third quarter 1997.

During the most recent groundwater sampling event on September 10, 1997, groundwater samples were collected from monitoring wells MW-1 through MW-4 and transported to CES' laboratory for volatile analysis in accordance with United States Environmental Protection Agency (USEPA) Method 8021 and semi-volatile analysis in accordance with USEPA Method 8270. The referenced analytical methodologies are acceptable to the New York State Department of Health (NYSDOH), the New York Department of Environmental Conservation (NYSDEC) and/or the United States Environmental Protection Agency (USEPA).

Results from volatile laboratory analyses are generally consistent with past monitoring findings. Results from laboratory analyses conducted on groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 did not reveal concentrations of petroleum related VOC's or SVOC's which exceed NYSDEC Water Quality Standards and Guidance Values with the exception of 400 ug/L of Methyl-t-Butyl Ether (MTBE) detected in MW-2 and 200 ug/L of MTBE detected in MW-4. According to NYSDEC Water Quality Standards and Guidance Values 50 ug/L of MTBE is acceptable. Laboratory analyses conducted on groundwater samples collected from monitoring well MW-4 revealed concentrations of numerous petroleum related VOC's and SVOC's which exceed NYSDEC Water Quality Standards and Guidance Values.

Figure 1 in Appendix A reveals a site map which illustrates the layout of the site including the location of monitoring wells MW-1, MW-2, MW-3 and MW-4. A groundwater elevation map illustrating the groundwater elevation across the site is provided as Figure 2 in Appendix A. Groundwater elevations indicate a relatively flat hydraulic gradient across the site. According to the groundwater elevation map, the general direction of groundwater flow is from northwest to the southeast.



2.0 GROUNDWATER SAMPLING

On September 10, 1997, CES collected groundwater samples from four groundwater monitoring wells (MW-1, MW-2, MW-3 and MW-4) located at Main & West Main Streets in Mexico, New York.

Groundwater Monitoring Well Sampling Procedures

The following procedures were utilized to obtain groundwater samples from monitoring wells MW-1, MW-2, MW-3 and MW-4:

1. Prior to the initiation of evacuation activities, each well was visually inspected for signs of damage, tampering or any other unusual observations.
2. Water levels were measured to the nearest 1/100th of a foot using an electronic water level indicator. The measurement was noted on the sample characterization sheet to determine the volume of water in the well. The water level indicator probe and associated cable were cleaned between wells to prevent cross contamination.
3. Water in the well was checked for temperature and pH using portable field instrumentation.
4. After completing initial field measurements, each well was evacuated using dedicated PVC bailers in a manner which created the least turbidity. Approximately three (3) to five (5) well volumes of water was removed from each well, or until the well went dry.
5. The wells were allowed to recharge prior to collecting samples. Field parameters were again checked using the portable field instrumentation. Field instrumentation was calibrated at the beginning of the day and periodically checked and recalibrated in accordance with the manufacturers specifications.



2.0 GROUNDWATER SAMPLING (Cont'd)

Groundwater Monitoring Well Sampling Procedures

6. Samples were collected in the appropriate bottles along with the required preservatives for the analyses to be performed.
7. Trip blanks and replicate samples were collected and submitted to the laboratory along with the samples.
8. Sample Characterization/Chain-of-Custody forms were completed prior to samples leaving the site.
9. Samples were packed in shipping cartons and placed on ice to keep samples cool during transport to the laboratory. Upon arriving at the laboratory, the samples were signed for by CES' Log-In personnel to maintain the chain of custody. Each sample was assigned an identification number (Log Number) for tracking purposes.

Upon completing sample acquisition efforts, the collected samples were transported to CES' laboratory facility located at 1401 Erie Boulevard East in Syracuse, New York for analyses. CES is certified by the New York State Department of Health (NYSDOH) under the Department's Environmental Laboratory Approval Program (ELAP -Laboratory ID No. 11246).



3.0 LABORATORY ANALYSES

Water samples were analyzed utilizing the following methods:

- USEPA Method 8021 (Volatile Organics)
- USEPA Method 8270 (Semi-Volatile Organics)

The referenced analytical methodology is acceptable to the NYSDOH, the NYSDEC and/or the USEPA.

4.0 GROUNDWATER MONITORING: RESULTS FROM LABORATORY ANALYSES

Results from laboratory analyses conducted on groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 did not reveal concentrations of petroleum related VOC's or SVOC's which exceed NYSDEC Water Quality Standards and Guidance Values with the exception of 400 ug/L of MTBE detected in MW-2 and 200 ug/L of MTBE detected in MW-4. According to NYSDEC Water Quality Standards and Guidance Values 50 ug/L of MTBE is considered acceptable. Laboratory analyses conducted on the groundwater sample collected from MW-3 detected VOC concentrations of 146 ug/L of Benzene, 526 ug/L Ethylbenzene, 136 ug/L of Toluene, 700 μ g/L o-Xylene, 2,900 ug/L of m/p-Xylene, 56 ug/L Isopropylbenzene, 100 ug/L of n-Propylbenzene, 1,400 ug/L of 1,2,4-Trimethylbenzene, 630 ug/L of 1,3,5-Trimethylbenzene, 196 ug/L of n-Butylbenzene and 610 ug/L of Naphthalene. A SVOC concentration of 500 ug/L of Naphthalene which exceeds NYSDEC Water Quality Standards and Guidance Values was identified.



5.0 GROUNDWATER ELEVATION DATA

Groundwater elevations indicate a relatively flat hydraulic gradient across the site. The general direction of groundwater flow has been estimated based on groundwater elevations measured at the monitoring wells on September 10, 1997. Groundwater elevation data suggests a southeasterly groundwater flow direction which is consistent with past monitoring events. A groundwater contour map representing groundwater elevations measured on September 10, 1997 is illustrated on Figure 2 of Appendix A. A summary of the groundwater elevations has been included as Appendix D.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Results from the VOC and SVOC laboratory analyses conducted on the groundwater sample collected from MW-1 indicates compliance with NYSDEC Water Quality Standards and Guidance Values. Results from laboratory analyses conducted on the samples collected from monitoring wells MW-2 and MW-4 identified concentrations of MTBE which exceed NYSDEC Water Quality Standards and Guidance Values. Results from MW-3 revealed numerous VOC and SVOC compounds exceeding NYSDEC Water Quality Standards and Guidance Values.

Based on these analyses and results from the Supplementary Subsurface Investigation dated May 29, 1997, CES recommends that the saturated soil located at the southeast corner of the site, in the vicinity of monitoring well MW-3, either be excavated and disposed of at an appropriate landfill or a work plan be developed for the treatment of these saturated soils. In conjunction with the excavation or treatment of the saturated soils, CES recommends that two additional groundwater monitoring wells be installed downgradient of the Alaskan Oil property, on the east side of Ames Street and on the south side of West Main Street, southeast of the AOI property. CES recommends that monitoring wells MW-1 through MW-4 and proposed wells MW-5 and MW-6 be sampled on a quarterly basis. Groundwater samples should be analyzed in accordance with USEPA Methods 8021 and 8100.



6.0 CONCLUSIONS AND RECOMMENDATIONS (Cont'd)

A Risk-Based Corrective Action (RBCA) evaluation of the site will be conducted in conjunction with the installation of the proposed groundwater monitoring wells and soil mitigation. The evaluation will include conducting a full receptor survey along with developing site conceptual exposure scenarios (SCES) for the source-pathway-receptor-route combinations through which potential routes of human exposure may result. The scope of the survey will include both current and potential future conditions. Following the installation and sampling of the additional monitoring wells and soil mitigation, soil and groundwater concentrations associated with the site will be compared to relevant RBCA closure values. Please note that a municipal drinking water supply services the site and surrounding vicinity.



APPENDIX A

Figure 1 - Site Plan
Figure 2 - Groundwater Elevation Map

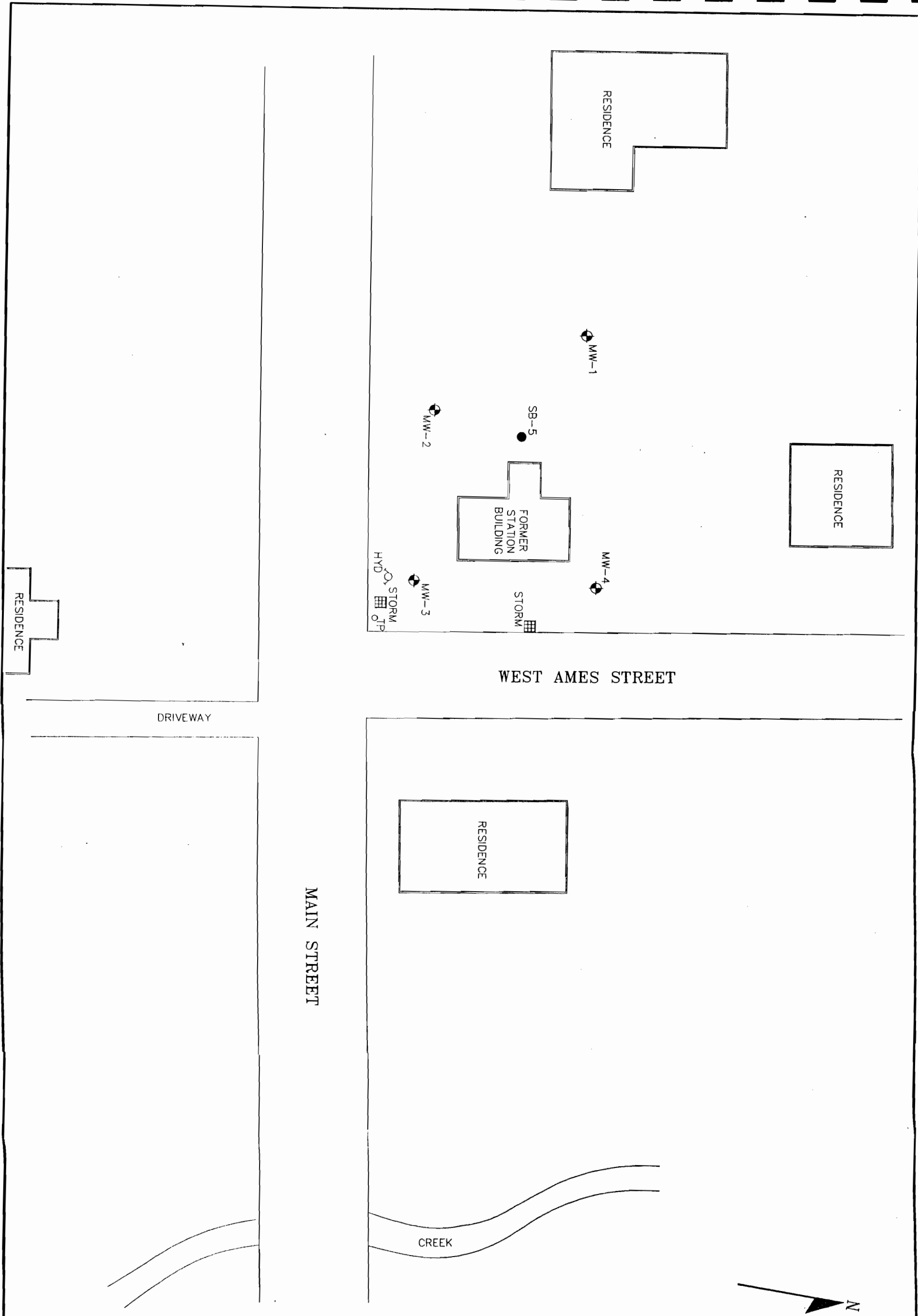


FIGURE 1	SCALE: 1in.=30ft.	DATE: 9/10/97
----------	-------------------	---------------

SITE MAP

Alaskan Oil, Inc.
Main & West Ames Streets
Mexico, N.Y.

CES Certified Environmental Services, Inc.

LEGEND:
● SB - SOIL BORING
⊕ MW - MONITORING WELL

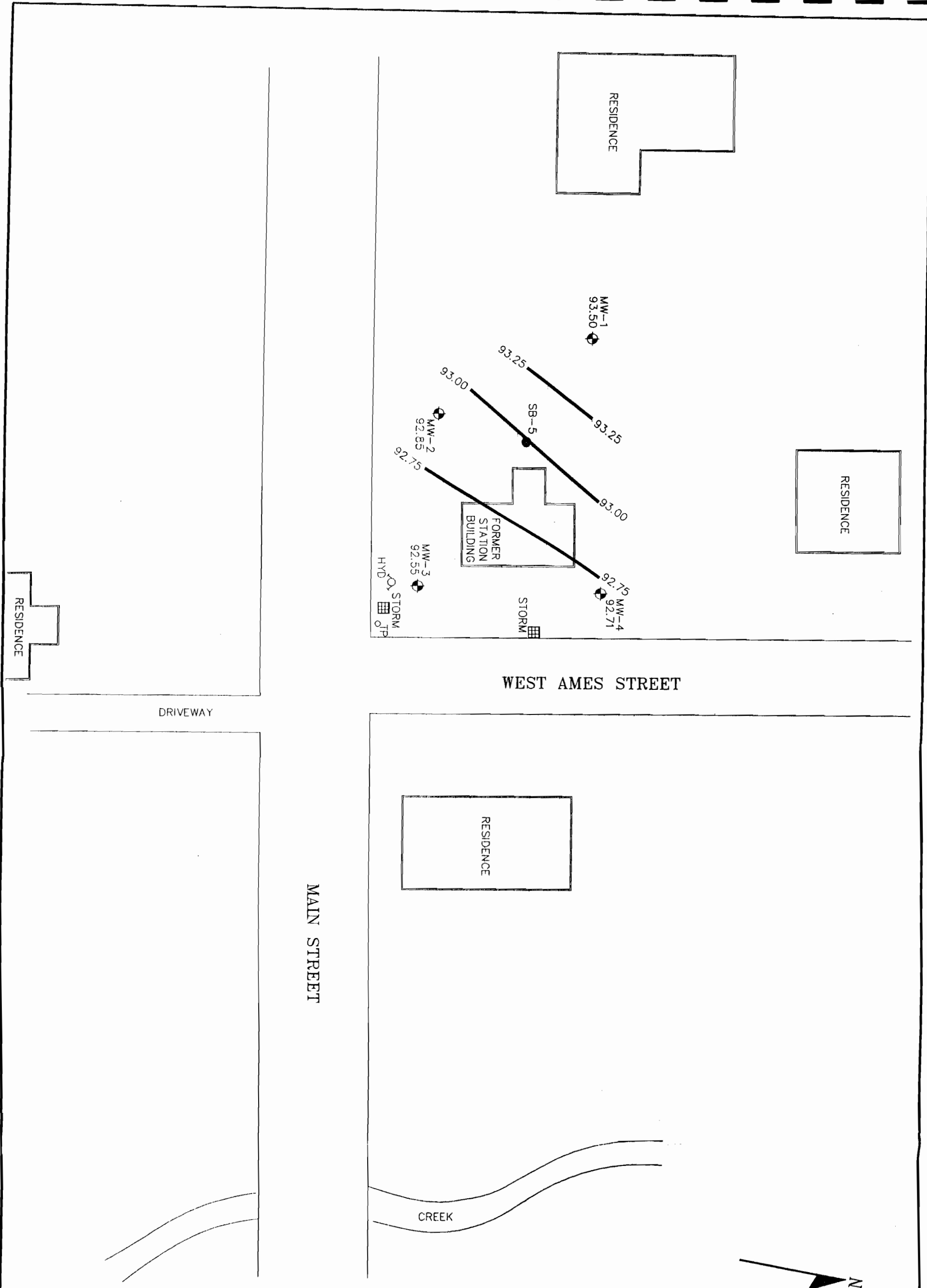


FIGURE 2	SCALE: 1in.=30ft.	DATE: 9/10/97
GROUNDWATER ELEVATION MAP		Alaskan Oil, Inc. Main & West Ames Streets Mexico, N.Y.
CES Certified Environmental Services, Inc.		



APPENDIX B

Analytical History File



**Alaskan Oil, Inc.
Main & West Ames Streets
Mexico, New York**

Analytical History File for MW-1

MW-1	NYSDEC	1ST Quarter 1997	2ND Quarter 1997	3RD Quarter 1997
Method 8021	STANDARD	Groundwater	Groundwater	Groundwater
		March 21, 1997	May 8, 1997	September 10, 1997
Benzene	0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L
Ethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Toluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
O-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
M-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Isopropylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Propylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Isopropyltoluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,2,4-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,3,5-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Sec-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Methyl-t-Butyl Ether	50 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Method 8270				
Naphthalene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Acenaphthylene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Acenaphthene	20 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Fluorene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Phenanthrene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Anthracene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Fluoranthene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Pyrene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)Anthracene	31 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Chrysene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(b)Fluoranthene	19 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(k)Fluoranthene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)Pyrene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Indeno(1,2,3-cd)Pyrene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Dibenzo(a,h)Anthracene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(ghi)Perylene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L



**Alaskan Oil, Inc.
Main & West Ames Streets
Mexico, New York**

Analytical History File for MW-2

MW-2	NYSDEC	1ST Quarter 1997	2ND Quarter 1997	3RD Quarter 1997
Method 8021	STANDARD	Groundwater	Groundwater	Groundwater
		March 21, 1997	May 8, 1997	September 10, 1997
Benzene	0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L
Ethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Toluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
O-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
M-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Isopropylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Propylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Isopropyltoluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,2,4-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,3,5-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Sec-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Methyl-t-Butyl Ether	50 ug/L	340 ug/L	110 ug/L	400 ug/L
Method 8270				
Naphthalene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Acenaphthylene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Acenaphthene	20 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Fluorene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Phenanthrene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Anthracene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Fluoranthene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Pyrene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)Anthracene	31 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Chrysene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(b)Fluoranthene	19 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(k)Fluoranthene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)Pyrene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Indeno(1,2,3-cd)Pyrene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Dibenzo(a,h)Anthracene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(ghi)Perylene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L



Alaskan Oil, Inc.
Main & West Ames Streets
Mexico, New York

Analytical History File for MW-3

MW-3	NYSDEC	1ST Quarter 1997	1ST Quarter 1997	1ST Quarter 1997
Method 8021	STANDARD	Groundwater	Groundwater	Groundwater
		March 21, 1997	May 8, 1997	September 10, 1997
Benzene	0.7 ug/L	< 25 ug/L	< 25 ug/L	< 25 ug/L
Ethylbenzene	5 ug/L	870 ug/L	770 ug/L	146 ug/L
Toluene	5 ug/L	160 ug/L	100 ug/L	526 ug/L
O-Xylene	5 ug/L	450 ug/L	540 ug/L	136 ug/L
M-Xylene	5 ug/L	2,850* ug/L	2,600 * ug/L	2,900* ug/L
P-Xylene	5 ug/L	* ug/L	* ug/L	* ug/L
Isopropylbenzene	5 ug/L	77 ug/L	60 ug/L	56 ug/L
N-Propylbenzene	5 ug/L	150 ug/L	120 ug/L	100 ug/L
P-Isopropyltoluene	5 ug/L	< 25 ug/L	< 25 ug/L	< 25 ug/L
1,2,4-Trimethylbenzene	5 ug/L	1,800 ug/L	1,600 ug/L	1,400 ug/L
1,3,5-Trimethylbenzene	5 ug/L	830 ug/L	720 ug/L	630 ug/L
N-Butylbenzene	5 ug/L	300 ug/L	170 ug/L	196 ug/L
Sec-Butylbenzene	5 ug/L	< 25 ug/L	< 25 ug/L	< 25 ug/L
Naphthalene	10 ug/L	760 ug/L	570 ug/L	610 ug/L
Methyl-t-Butyl Ether	50 ug/L	< 100 ug/L	< 100 ug/L	< 100 ug/L
Method 8270				
Naphthalene	10 ug/L	330 ug/L	300 ug/L	500 ug/L
Acenaphthylene	50 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Acenaphthene	20 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Fluorene	50 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Phenanthrene	50 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Anthracene	50 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Fluoranthene	50 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Pyrene	50 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Benzo(a)Anthracene	31 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Chrysene	10 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Benzo(b)Fluoranthene	19 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Benzo(k)Fluoranthene	10 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Benzo(a)Pyrene	10 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Indeno(1,2,3-cd)Pyrene	10 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Dibenzo(a,h)Anthracene	10 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L
Benzo(ghi)Perylene	10 ug/L	< 5 ug/L	< 5 ug/L	< 25 ug/L



Alaskan Oil, Inc.
Main & West Ames Streets
Mexico, New York

Analytical History File for MW-4

MW-4	NYSDEC	1ST Quarter 1997	2ND Quarter 1997	3RD Quarter 1997
Method 8021	STANDARD	Groundwater	Groundwater	Groundwater
		March 21, 1997	May 8, 1997	September 10, 1997
Benzene	0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L	< 0.7 ug/L
Ethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Toluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
O-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
M-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Xylene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Isopropylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Propylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
P-Isopropyltoluene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,2,4-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
1,3,5-Trimethylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
N-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Sec-Butylbenzene	5 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L
Naphthalene	10 ug/L	< 5.0 ug/L	< 5.0 ug/L	< 5.0 ug/L
Methyl-t-Butyl Ether	50 ug/L	470 ug/L	280 ug/L	200 ug/L
Method 8270				
Naphthalene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Acenaphthylene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Acenaphthene	20 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Fluorene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Phenanthrene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Anthracene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Fluoranthene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Pyrene	50 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)Anthracene	31 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Chrysene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(b)Fluoranthene	19 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(k)Fluoranthene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(a)Pyrene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Indeno(1,2,3-cd)Pyrene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Dibenzo(a,h)Anthracene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L
Benzo(ghi)Perylene	10 ug/L	< 5 ug/L	< 5 ug/L	< 5 ug/L



APPENDIX C

**Results from Laboratory Analyses
3RD Quarter 1997 Sampling Event - September 10, 1997**



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL
500 SOLAR STREET
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #358-Mexico
DATE: 09/29/97

SAMPLE NUMBER- 143205 SAMPLE ID- MW-1
DATE SAMPLED- 09/10/97
DATE RECEIVED- 09/11/97 SAMPLER- Paul Conley
TIME RECEIVED- 0730 DELIVERED BY- Paul Conley

SAMPLE MATRIX- WA
TIME SAMPLED- 1245
RECEIVED BY- CAM
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
EPA 8021 Scan	EPA 8021		09/19/97		BLD	
Benzene	EPA 8021		09/19/97		BLD	< 0.7 ug/L
Ethylbenzene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
Toluene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
o-Xylene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
m-Xylene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
p-Xylene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
Isopropylbenzene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
n-Propylbenzene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
p-Isopropyltoluene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
1,2,4-Trimethylbenzene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
1,3,5-Trimethylbenzene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
n-Butylbenzene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
sec-Butylbenzene	EPA 8021		09/19/97		BLD	< 1.0 ug/L
Naphthalene	EPA 8021		09/19/97		BLD	< 5.0 ug/L
Methyl-t-Butyl Ether	EPA 8021		09/19/97		BLD	< 5.0 ug/L
EPA 8270 PAH's	EPA 8270	09/15/97	KSH 09/19/97		KMS	
Naphthalene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Acenaphthylene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Acenaphthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Fluorene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 143205

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
Phenanthrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Anthracene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Fluoranthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Pyrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo(a) Anthracene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Chrysene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo(b) Fluoranthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo(k) Fluoranthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo(a) Pyrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Indeno(1,2,3-cd) Pyrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Dibenzo(a,h) Anthracene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo(ghi) Perylene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

CESCertified
Environmental
Services, Inc.**MONITORING WELL
SAMPLE CHARACTERIZATION
& CHAIN-OF-CUSTODY**1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107CLIENT: ALASKAN OIL INC.
CONTACT: Richard Neugebauer
LOCATION: AOI/PEF #358 MEXICO NYLOG NO. 143205
WELL NO. MW-1
WELL TYPE/SIZE: 2" PVCWELL PURGING & SAMPLING: Date: 9-10-97 Purge Start Time: 1155 Purge End Time: 1205Total Well Depth 14.40' # Well Volumes Purged 4 Color CLR → LT TAN
Depth to Water 6.83' Total Volume Purged 5 GALLONS Turbidity L/M/M
Well Volume 1.21 Final Depth to Water _____ Odor SLIGHT SEPTIC
Purge Method Bailer SAMPLE COLLECTED: Time 1245 Date 9-10-97WEATHER CONDITIONS: SUNNY, 70°

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	—	@ 4.0 Std = <u>4.0</u>	—	<u>12°C</u>
Intermediate Reading	—	@ 7.0 Std = <u>7.0</u>	—	Redox
Final Reading	<u>7.3</u>	@ 10.0 Std = <u>10.0</u>	—	—

SAMPLE PRESERVATION:Date 9-10-97 Time 1245 By P. ConleyPreservative: ☐ H₂SO₄ ☐ HNO₃ ☐ NaOH ☒ HCl ☐ Na₂S₂O₃ ☒ Cooled to 4° C☐ Other (Identify) _____Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____**SAMPLE CONTAINERS & QUANTITIES:**

☒ Quart Jar (Glass w/Teflon Liner)	<u>2</u>	☒ 40 ml Vial with Teflon Liner	<u>2</u>
☐ 500 ml Plastic Cylinder	—	☐ Pint Jar (Glass w/Teflon Liner)	—
☐ ½ Gallon (Plastic)	—	☐ Other	—

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☒ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602

NOTES: QUARTERLY SAMPLING

Collected By <u>[Signature]</u>	Date <u>9-10-97</u>		
Delivered By <u>[Signature]</u>	Date <u>9-10-97</u>	Time <u>1800</u>	
Received By <u>Christine Megaw</u>	Date <u>9/11/97</u>	Time <u>0730</u>	

REPORT OF ANALYSES

ALASKAN OIL
500 SOLAR STREET
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #358-Mexico
DATE: 09/29/97

SAMPLE NUMBER- 143206 SAMPLE ID- MW-2
DATE SAMPLED- 09/10/97
DATE RECEIVED- 09/11/97 SAMPLER- Paul Conley
TIME RECEIVED- 0730 DELIVERED BY- Paul Conley

SAMPLE MATRIX- WA
TIME SAMPLED- 1235
RECEIVED BY- CAM
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
EPA 8021 Scan	EPA 8021			09/19/97			BLD		
Benzene	EPA 8021			09/19/97			BLD	< 0.7 ug/L	
Ethylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
Toluene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
o-Xylene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
m-Xylene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
p-Xylene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
Isopropylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
n-Propylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
p-Isopropyltoluene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
1,2,4-Trimethylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
1,3,5-Trimethylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
n-Butylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
sec-Butylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
Naphthalene	EPA 8021			09/19/97			BLD	< 5.0 ug/L	
Methyl-t-Butyl Ether	EPA 8021			09/19/97			BLD	400 ug/L	
EPA 8270 PAH's	EPA 8270	09/15/97	KSH	09/19/97			KMS		
Naphthalene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5 ug/L	
Acenaphthylene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5 ug/L	
Acenaphthene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5 ug/L	
Fluorene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5 ug/L	



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 143206

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
Phenanthrene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Anthracene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Fluoranthene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Pyrene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Benzo(a)Anthracene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Chrysene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Benzo(b) Fluoranthene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Benzo(k) Fluoranthene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Benzo(a) Pyrene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Indeno(1,2,3-cd) Pyrene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Dibenzo(a,h)Anthracene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L
Benzo(ghi) Perylene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5	ug/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

CESCertified
Environmental
Services, Inc.MONITORING WELL
SAMPLE CHARACTERIZATION
& CHAIN-OF-CUSTODY1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107CLIENT: ALASKAN OIL INC.
CONTACT: Richard Nugebauer
LOCATION: AOI/PEF #358 MEXICO NYLOG NO. 143206
WELL NO. MW-2
WELL TYPE/SIZE: 2" PVCWELL PURGING & SAMPLING: Date: 9-10-97 Purge Start Time: 1145 Purge End Time: 1155

Total Well Depth	<u>14.70'</u>	# Well Volumes Purged	<u>4</u>	Color	<u>CLR - CLR</u>
Depth to Water	<u>6.16'</u>	Total Volume Purged	<u>5.5 Gallons</u>	Turbidity	<u>L, L, L</u>
Well Volume	<u>1.36</u>	Final Depth to Water		Odor	<u>None</u>
Purge Method	<u>Bailer</u>	SAMPLE COLLECTED: Time	<u>1235</u>	Date	<u>9-10-97</u>

WEATHER CONDITIONS: SUNNY, 70°

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	<u>—</u>	@ 4.0 Std = <u>4.0</u>	<u>—</u>	<u>17°C</u>
Intermediate Reading	<u>—</u>	@ 7.0 Std = <u>7.0</u>	<u>—</u>	Redox
Final Reading	<u>7.1</u>	@ 10.0 Std = <u>10.0</u>	<u>—</u>	<u>—</u>

SAMPLE PRESERVATION:

Date 9-10-97 Time 1235 By P. Conley
Preservative: ☐ H₂SO₄ ☐ HNO₃ ☐ NaOH ☒ HCl ☐ Na₂S₂O₃ ☒ Cooled to 4° C
☐ Other (Identify) _____
Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	<u>2</u>	☒ 40 ml Vial with Teflon Liner	<u>2</u>
☐ 500 ml Plastic Cylinder	<u>—</u>	☐ Pint Jar (Glass w/Teflon Liner)	<u>—</u>
☐ 1/2 Gallon (Plastic)	<u>—</u>	☐ Other	<u>—</u>

PARAMETERS: ☐ See Attached Proposal/List

☒ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☒ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602

NOTES: QUARTERLY SAMPLINGCollected By [Signature]
Delivered By [Signature]
Received By Christine MignielDate 9-10-97
Date 9-10-97 Time 1800
Date 9/11/97 Time 0730



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL
500 SOLAR STREET
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #358-Mexico
DATE: 09/29/97

SAMPLE NUMBER- 143207 SAMPLE ID- MW-3
DATE SAMPLED- 09/10/97
DATE RECEIVED- 09/11/97 SAMPLER- Paul Conley
TIME RECEIVED- 0730 DELIVERED BY- Paul Conley

SAMPLE MATRIX- WA
TIME SAMPLED- 1225
RECEIVED BY- CAM
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
EPA 8021 Scan	EPA 8021		09/19/97		BLD		
Benzene	EPA 8021		09/19/97		BLD	146	ug/L
Ethylbenzene	EPA 8021		09/19/97		BLD	526	ug/L
Toluene	EPA 8021		09/19/97		BLD	136	ug/L
o-Xylene	EPA 8021		09/19/97		BLD	700	ug/L
m-Xylene	EPA 8021		09/19/97		BLD	2900*	ug/L
p-Xylene	EPA 8021		09/19/97		BLD	*	ug/L
Isopropylbenzene	EPA 8021		09/19/97		BLD	56	ug/L
n-Propylbenzene	EPA 8021		09/19/97		BLD	100	ug/L
p-Isopropyltoluene	EPA 8021		09/19/97		BLD	< 25	ug/L
1,2,4-Trimethylbenzene	EPA 8021		09/19/97		BLD	1400	ug/L
1,3,5-Trimethylbenzene	EPA 8021		09/19/97		BLD	630	ug/L
n-Butylbenzene	EPA 8021		09/19/97		BLD	196	ug/L
sec-Butylbenzene	EPA 8021		09/19/97		BLD	< 25	ug/L
Naphthalene	EPA 8021		09/19/97		BLD	610	ug/L
Methyl-t-Butyl Ether	EPA 8021		09/19/97		BLD	< 100	ug/L
EPA 8270 PAH's	EPA 8270	09/15/97	KSH 09/19/97		KMS		
Naphthalene	EPA 8270	09/15/97	KSH 09/19/97		KMS	500	ug/L
Acenaphthylene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Acenaphthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Fluorene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 143207

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Phenanthrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Anthracene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Fluoranthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Pyrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Benzo(a)Anthracene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Chrysene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Benzo(b) Fluoranthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Benzo(k) Fluoranthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Benzo(a) Pyrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Indeno(1,2,3-cd) Pyrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Dibenzo(a,h)Anthracene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L
Benzo(ghi) Perylene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 25	ug/L

*Chromatographically, para and meta-Xylene co-elutes on the gas chromatogram. The reported value may therefore represent either of these compounds or a combination thereof.

NYSDOH LAB ID NO. 11246

APPROVED BY:

CESCertified
Environmental
Services, Inc.MONITORING WELL
SAMPLE CHARACTERIZATION
& CHAIN-OF-CUSTODY1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107CLIENT: ALASKAN OIL INC.LOG NO. 143207CONTACT: Richard NeugebauerWELL NO. MW-3LOCATION: AOI/PEF #358 MEXICO NYWELL TYPE/SIZE: 2" PVCWELL PURGING & SAMPLING: Date: 9-10-97 Purge Start Time: 1135 Purge End Time: 1145Total Well Depth 14.02' # Well Volumes Purged 4 Color ^{LT} Grey, ^{LT} Grey, ^{LT} GreyDepth to Water 4.61' Total Volume Purged 5.5 GAL. Turbidity M, M, HWell Volume 1.50 Final Depth to Water _____ Odor PetroPurge Method Bailer SAMPLE COLLECTED: Time 1225 Date 9-10-97WEATHER CONDITIONS: SUNNY, 70°

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	—	@ 4.0 std = <u>4.0</u>	—	<u>14.5°C</u>
Intermediate Reading	—	@ 7.0 std = <u>7.0</u>	—	Redox
Final Reading	<u>6.9</u>	@ 10.0 std = <u>10.0</u>	—	—

SAMPLE PRESERVATION:

Date 9-10-97 Time 1225 By P. ConleyPreservative: ☐ H₂SO₄ ☐ HNO₃ ☐ NaOH ☒ HCl ☐ Na₂S₂O₃ ☒ Cooled to 4° C☐ Other (Identify) _____Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	<u>2</u>	☒ 40 ml Vial with Teflon Liner	<u>2</u>
☐ 500 ml Plastic Cylinder	—	☐ Pint Jar (Glass w/Teflon Liner)	—
☐ ½ Gallon (Plastic)	—	☐ Other	—

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☒ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602

NOTES: QUARTERLY SAMPLINGCollected By [Signature]Date 9-10-97Delivered By [Signature]Date 9-10-97Time 1800Received By Christine MiguezDate 9/11/97Time 0730



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL
500 SOLAR STREET
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #358-Mexico
DATE: 09/29/97

SAMPLE NUMBER- 143208 SAMPLE ID- MW-4
DATE SAMPLED- 09/10/97
DATE RECEIVED- 09/11/97 SAMPLER- Paul Conley
TIME RECEIVED- 0730 DELIVERED BY- Paul Conley

SAMPLE MATRIX- WA
TIME SAMPLED- 1220
RECEIVED BY- CAM
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
EPA 8021 Scan	EPA 8021			09/19/97			BLD		
Benzene	EPA 8021			09/19/97			BLD	< 0.7 ug/L	
Ethylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
Toluene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
o-Xylene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
m-Xylene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
p-Xylene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
Isopropylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
n-Propylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
p-Isopropyltoluene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
1,2,4-Trimethylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
1,3,5-Trimethylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
n-Butylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
sec-Butylbenzene	EPA 8021			09/19/97			BLD	< 1.0 ug/L	
Naphthalene	EPA 8021			09/19/97			BLD	< 5.0 ug/L	
Methyl-t-Butyl Ether	EPA 8021			09/19/97			BLD	200 ug/L	
EPA 8270 PAH's	EPA 8270	09/15/97	KSH	09/19/97			KMS		
Naphthalene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5 ug/L	
Acenaphthylene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5 ug/L	
Acenaphthene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5 ug/L	
Fluorene	EPA 8270	09/15/97	KSH	09/19/97			KMS	< 5 ug/L	



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 143208

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
Phenanthrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Anthracene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Fluoranthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Pyrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo (a) Anthracene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Chrysene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo (b) Fluoranthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo (k) Fluoranthene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo (a) Pyrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Indeno (1,2,3-cd) Pyrene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Dibenzo (a,h) Anthracene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L
Benzo (ghi) Perylene	EPA 8270	09/15/97	KSH 09/19/97		KMS	< 5 ug/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

CESCertified
Environmental
Services, Inc.MONITORING WELL
SAMPLE CHARACTERIZATION
& CHAIN-OF-CUSTODY1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107CLIENT: ALASKAN OIL INC.
CONTACT: Richard Neugebauer
LOCATION: AOI/PEF #358 MEXICO NYLOG NO. 143208
WELL NO. MW-4
WELL TYPE/SIZE: 2" PVCWELL PURGING & SAMPLING: Date: 9-10-97 Purge Start Time: 1125 Purge End Time: 1135

Total Well Depth	<u>17.00'</u>	# Well Volumes Purged	<u>4</u>	Color	<u>Brn</u> ^{LT} <u>Brn</u> ^{LT}
Depth to Water	<u>7.04'</u>	Total Volume Purged	<u>6.5 GAL</u>	Turbidity	<u>H, H, H</u>
Well Volume	<u>1.59</u>	Final Depth to Water		Odor	<u>None</u>
Purge Method	<u>Bailer</u>	SAMPLE COLLECTED: Time	<u>1220</u>	Date	<u>9-10-97</u>

WEATHER CONDITIONS: Sunny, 70°

FIELD PARAMETERS:	pH	pH Calibration	Conductivity	Temperature
Initial Reading	<u>—</u>	@ 4.0 Std = <u>4.0</u>	<u>—</u>	<u>14°</u>
Intermediate Reading	<u>—</u>	@ 7.0 Std = <u>7.0</u>	<u>—</u>	Redox
Final Reading	<u>7.3</u>	@ 10.0 Std = <u>10.0</u>	<u>—</u>	<u>—</u>

SAMPLE PRESERVATION:

Date 9-10-97 Time 1220 By P. ConleyPreservative: ☐ H₂SO₄ ☐ HNO₃ ☐ NaOH ☒ HCl ☐ Na₂S₂O₃ ☒ Cooled to 4° C☐ Other (Identify) _____Was Sample Filtered? ☒ No ☐ Yes Date: _____ Time: _____

SAMPLE CONTAINERS & QUANTITIES:

☒ Quart Jar (Glass w/Teflon Liner)	<u>2</u>	☒ 40 ml Vial with Teflon Liner	<u>2</u>
☐ 500 ml Plastic Cylinder	<u>—</u>	☐ Pint Jar (Glass w/Teflon Liner)	<u>—</u>
☐ 1/2 Gallon (Plastic)	<u>—</u>	☐ Other	<u>—</u>

PARAMETERS: ☐ See Attached Proposal/List

☐ NYSDEC Part 360 Routine	☐ NYSDEC Part 360 Baseline	☒ EPA 8021	☐ EPA 503.1
☒ 8270 (Base Neutrals)	☐ NYSDOH 310-13	☐ EPA 624	☐ EPA 601/602

NOTES: Quarterly SamplingCollected By [Signature]Date 9-10-97Delivered By [Signature]Date 9-10-97Time 1800Received By Christian MiguelDate 9/11/97Time 0730



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

ALASKAN OIL
500 SOLAR STREET
SYRACUSE, NY 13204-
Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #358-Mexico
DATE: 09/29/97

SAMPLE NUMBER- 143209 SAMPLE ID- Trip Blank
DATE SAMPLED- 09/10/97
DATE RECEIVED- 09/11/97 SAMPLER- Paul Conley
TIME RECEIVED- 0730 DELIVERED BY- Paul Conley

SAMPLE MATRIX- WA
TIME SAMPLED- 0800
RECEIVED BY- CAM
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT	UNITS
		DATE	TIME			
EPA 8021 Scan	EPA 8021	09/19/97		BLD		
Benzene	EPA 8021	09/19/97		BLD	< 0.7	ug/L
Ethylbenzene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
Toluene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
o-Xylene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
m-Xylene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
p-Xylene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
Isopropylbenzene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
n-Propylbenzene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
p-Isopropyltoluene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
1,2,4-Trimethylbenzene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
1,3,5-Trimethylbenzene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
n-Butylbenzene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
sec-Butylbenzene	EPA 8021	09/19/97		BLD	< 1.0	ug/L
Naphthalene	EPA 8021	09/19/97		BLD	< 5.0	ug/L
Methyl-t-Butyl Ether	EPA 8021	09/19/97		BLD	< 5.0	ug/L



Certified
Environmental
Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

SAMPLE CHARACTERIZATION/CHAIN-OF-CUSTODY

CLIENT: ALASKAN OIL INC
CONTACT: RICHARD Nuegobauer

LOG NO. 143209
P# ()

SAMPLING INFORMATION:

SAMPLE ID: "Trip Blank" LOCATION: AOI/PEF #358 MEXICO NY
SAMPLE TYPE: ☐ Soil ☒ Water ☐ Oil ☐ Wipe ☐ Air ☐
COLLECTION TECHNIQUE: ☐ Composite ☒ Grab ☐ Wipe ☐ Flow Composite ☐
COMPOSITE: (Start) Date _____ Time _____ By _____
(Finish) Date _____ Time _____ By _____
GRAB: Date 9-10-97 Time 0800 By P. Conley

SAMPLE PRESERVATION:

Date 9-10-97 Time 0800 By P. Conley
Preservative: ☐ H₂SO₄ ☐ HNO₃ ☐ NaOH ☒ HCl ☐ Na₂S₂O₃ ☐ Cooled to 4° C
Other (Identify) _____

SAMPLE CONTAINERS:

Container	Qty	Qty
☐ Quart Jar (Glass w/Teflon Liner)	_____	☒ 40 ml Vial with Teflon Liner <u>1</u>
☐ 500 ml Plastic Cylinder	_____	☐ Quart Jar (Glass w/o Teflon Liner) _____
☐ 1/2 Gallon (Plastic)	_____	☐ Pint Jar (Glass w/Teflon Liner) _____
☐ Coliform Cup	_____	☐ Pint Jar (Glass w/o Teflon Liner) _____
☐ Other _____	_____	

PARAMETERS:

☐ See Attached Proposal/List

EPA 8021

NOTES: _____

Collected By <u>P. Conley</u>	Date <u>9-10-97</u>	
Delivered By <u>Paul Conley</u>	Date <u>9-10-97</u>	Time <u>1800</u>
Received By <u>Christine Muzina</u>	Date <u>9/11/97</u>	Time <u>0730</u>
Received By _____	Date _____	Time _____



APPENDIX D

Groundwater Elevation Data Summary



**ALASKAN OIL, INC.
MAIN & WEST AMES STREETS
MEXICO, NEW YORK**

Groundwater Elevation Data

Sample Location	Top of Casing Elevation	Top of Screen Elevation	Groundwater Elevations		
			3/21/97	5/08/97	9/10/97

MW-1	100.33	96.33	96.82	96.22	93.50
MW-2	99.01	95.01	94.20	93.85	92.85
MW-3	97.16	93.16	94.79	93.54	92.55
MW-4	99.75	95.75	93.65	93.36	92.71

Note: All measurements recorded in feet
Monitoring wells surveyed by CES in March 1997
Survey benchmark: Top nut on hydrant at NW corner of parcel
Top of Casing Elevation is Top of PVC riser