



August 19, 1997

NYSDEC Region #7 ATTN: Mr. Richard Brazell, P.E. 615 Erie Boulevard West Syracuse, New York 13204

RE: Alaskan Oil, Inc., Route 342 Bioremediation Project
Proposal for Controlled Removal of Treated Material

Dear Mr. Brazell:

On behalf of Alaskan Oil, Inc., CES requests approval to remove approximately eighteen inches of treated soil located in the bioremediation cell located at Luttmans Citgo on Route 342, Watertown, New York. Results from laboratory analyses conducted on samples collected during the April 22, 1997 sampling at the above referenced site indicates sufficient treatment has been achieved and the bioremediation cell is ready to be stripped.

Sampling involved dividing the biocell into four equal size quadrants each of which were split into four additional subquadrants. One soil grab sample was collected from each of the subquadrants and composited for each of the quadrants. Quadrant composite soil samples were submitted to CES's laboratory for analyses in accordance with USEPA Method 8021 and 8270 utilizing the toxicity characteristic leaching procedure. Results from the composite samples collected from the southeast and northwest quadrants indicates compliance with NYSDEC STARS guidance values for the parameters and detection limits for which the analyses was conducted. Results from laboratory analyses conducted on the composite soil sample collected from the southwest quadrant indicated concentrations of 2.2 ug/L of Ethylbenzene, 2.6 ug/L of Toluene, 5.0 ug/L 0-Xylene and 11 ug/L M/P-Xylene. Results from laboratory analyses conducted on the composite soil sample collected from the northeast quadrant indicated concentrations of 1.5 ug/L of Ethylbenzene, 11 ug/L of Toluene, 4.7 ug/L 0-Xylene, 10 ug/L M/P-Xylene, 5.8 ug/L of 1,2,4-Trimethylbenzene and 2.9 ug/L of 1,3,5-Trimethylbenzene. Results from these laboratory analyses are provided as *ATTACHMENT A*.

As in the past and in accordance with the bioremediation plan, Alaskan Oil proposes to strip the surface eighteen inches of soil from this cell. Soils will be stripped utilizing an excavator or bull dozer and will be stockpiled on a sheet of poly, in a secondary staging area adjacent to the existing treatment cell. CES will be on-site during stripping activities to screen the soil, with a PID meter for total volatile organics to determine their acceptability for removal. In general, soil which exhibits PID readings less than ten parts per million (10 ppm) and does not exhibit nuisance odor characteristics will



NYSDEC Mr. Richard Brazell August 19, 1997 Page #2 of 2

be removed. Once secondary staging has been completed, the soil will once again be sampled and analyzed. If subsequent laboratory analyses of the samples collected from the secondary staging pile are in compliance with STARS guidance values, the soils will be considered remediated and handled as such. If laboratory analyses of the soil from the secondary staging pile reveal petroleum contamination above STARS guidance values, these soils will remain in-place until laboratory analyses indicates compliance with STARS.

Please notify me in writing with your consent or call me at (315)478-2374 to discuss our proposal. Thank you.

Sincerely,

Certified Environmental Services

Eric E. Murdock

Manager - Environmental Services Department

**ATTACHMENTS** 

cc: R.Neugebauer, AOI



# ATTACHMENT A

Route 342 Bioremediation Cell Analytical Laboratory Analyses



### REPORT OF ANALYSES

ALASKAN OIL

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342

DATE: 05/16/97

500 SOLAR STREET

SYRACUSE, NY 13204-

Attn: MR. RICH NEUGEBAUER

SAMPLE NUMBER- 132813 SAMPLE ID- SE Quadrant-Section I

DATE SAMPLED- 04/22/97

DATE RECEIVED- 04/23/97 SAMPLER- Kevin R. Rowe

TIME RECEIVED- 0800 DELIVERED BY- Kevin R. Rowe

SAMPLE MATRIX- SO TIME SAMPLED- 1415

RECEIVED BY- CAM

TYPE SAMPLE- Composite

| ANALYSIS                     | METHOD     | SAMPLE<br>DATE | <br>ANALYSIS<br>DATE | TIME | вұ   | RESULT   | UNITS     |
|------------------------------|------------|----------------|----------------------|------|------|----------|-----------|
| TCLP EXTRACTION              | 40CFR 1311 |                | 04/28/97             | s    | JA ( | Complete |           |
| ZERO HEADSPACE EXTRACTION    | 40CFR 1311 |                | 04/24/97             | E    | LS   | Complete |           |
| AMMONIA AS N                 | SM17 4500G |                | 04/28/97             | J    | OC   | 27.6     | mg/Kg     |
| NITRATE/NITRITE              | EPA 353.3  |                | 04/25/97             | J    | C    | 11.6     | mg/Kg     |
| PH IN WATER                  | EPA 150.1  |                | 04/24/97             | J    | C    | 8.05     | std units |
| TOTAL SOLIDS                 | EPA 160.3  |                | 04/23/97             | J    | C    | 874000   | mg/Kg     |
| EPA 8021 Scan, TCLP          | EPA 8021   |                | 05/06/97             | В    | LD   |          |           |
| Benzene, TCLP                | EPA 8021   |                | 05/06/97             | B    | ZD.  | < 0.7    | ug/L      |
| Ethylbenzene, TCLP           | EPA 8021   |                | 05/06/97             | B    | ZD.  | < 1.0    | ug/L      |
| Toluene, TCLP                | EPA 8021   |                | 05/06/97             | В    | LD.  | < 1.0    | ug/L      |
| o-Xylene, TCLP               | EPA 8021   |                | 05/06/97             | B    | LD.  | < 1.0    | ug/L      |
| m-Xylene, TCLP               | EPA 8021   |                | 05/06/97             | B    | LD D | < 1.0    | ug/L      |
| p-Xylene, TCLP               | EPA 8021   |                | 05/06/97             | B    | LD.  | < 1.0    | ug/L      |
| Isopropylbenzene, TCLP       | EPA 8021   |                | 05/06/97             | B    | ZD.  | < 1.0    |           |
| n-Propylbenzene, TCLP        | EPA 8021   |                | 05/06/97             | B    | LD.  | < 1.0    |           |
| p-Isopropyltoluene, TCLP     | EPA 8021   |                | 05/06/97             | B    | LD D | < 1.0    | ug/L      |
| 1,2,4-Trimethylbenzene, TCLP | EPA 8021   |                | 05/06/97             | B    | ZD.  | < 1.0    | ug/L      |
| 1,3,5-Trimethylbenzene, TCLP | EPA 8021   |                | 05/06/97             | B    | LD.  | < 1.0    |           |
| n-Butylbenzene, TCLP         | EPA 8021   |                | 05/06/97             |      | ZD   | < 1.0    | ug/L      |
| sec-Butylbenzene, TCLP       | EPA 8021   |                | 05/06/97             | B    | LD.  | < 1.0    |           |
| Naphthalene, TCLP            | EPA 8021   |                | 05/06/97             | B    | ZD.  | < 5.0    | ug/L      |

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CONTINUATION OF DATA FOR SAMPLE NUMBER 132813

| ANALYSIS                     | METHOD   | SAMPLE PREP<br>DATE BY | ANALYSIS<br>DATE | TIME BY | RESULT UNITS |
|------------------------------|----------|------------------------|------------------|---------|--------------|
| Methyl-T-Butyl Ether, TCLP   | EPA 8021 |                        | 05/06/97         | BLD     | < 5.0 ug/L   |
| EPA 8270 PAH's, TCLP         | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     |              |
| Naphthalene, TCLP            | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Acenaphthylene, TCLP         | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Acenaphthene, TCLP           | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Fluorene, TCLP               | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Phenanthrene, TCLP           | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Anthracene, TCLP             | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Fluoranthene, TCLP           | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Pyrene, TCLP                 | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(a)Anthracene, TCLP     | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Chrysene, TCLP               | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(b)Fluoranthene, TCLP   | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(k)Fluoranthene, TCLP   | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(a)Pyrene, TCLP         | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Indeno(1,2,3-cd)Pyrene, TCLP | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Dibenzo(a,h)Anthracene, TCLP | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(ghi)Perylene, TCLP     | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |

Note: Zero Headspace Extraction performed by ELAP #11375.

NYSDOH LAB ID NO. 11246



#### REPORT OF ANALYSES

ALASKAN OIL 500 SOLAR STREET

SYRACUSE, NY 13204-

Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342

DATE: 05/16/97

SAMPLE NUMBER- 132814 SAMPLE ID- SW Quadrant-Section II

DATE SAMPLED- 04/22/97

DATE RECEIVED- 04/23/97 SAMPLER- Kevin R. Rowe

TIME RECEIVED- 0800 DELIVERED BY- Kevin R. Rowe

SAMPLE MATRIX- SO TIME SAMPLED- 1500 RECEIVED BY- CAM

TYPE SAMPLE- Composite

| ANALYSIS                     | METHOD     | SAMPLE<br>DATE | ANALYSIS<br>DATE | TIME | ву  | RESULT   | UNITS     |
|------------------------------|------------|----------------|------------------|------|-----|----------|-----------|
| TCLP EXTRACTION              | 40CFR 1311 |                | 04/28/97         |      | SJA | Complete |           |
| ZERO HEADSPACE EXTRACTION    | 40CFR 1311 |                | 04/28/97         |      | ELS | Complete |           |
| AMMONIA AS N                 | SM17 4500G |                | 04/28/97         |      | JDC | 32.2     | mg/Kg     |
| NITRATE/NITRITE              | EPA 353.3  |                | 04/25/97         |      | JDC | 12.6     | mg/Kg     |
| PH IN WATER                  | EPA 150.1  |                | 04/24/97         |      | JDC | 8.06     | std units |
| TOTAL SOLIDS                 | EPA 160.3  |                | 04/23/97         |      | JDC | 882000   | mg/Kg     |
| EPA 8021 Scan, TCLP          | EPA 8021   |                | 05/07/97         |      | BLD |          |           |
| Benzene, TCLP                | EPA 8021   |                | 05/07/97         |      | BLD | < 0.7    | ug/L      |
| Ethylbenzene, TCLP           | EPA 8021   |                | 05/07/97         |      | BLD |          | ug/L      |
| Toluene, TCLP                | EPA 8021   |                | 05/07/97         |      | BLD | 2.6      | ug/L      |
| o-Xylene, TCLP               | EPA 8021   |                | 05/07/97         |      | BLD | 5.0      | ug/L      |
| m-Xylene, TCLP               | EPA 8021   |                | 05/07/97         |      | BLD | 11*      | ug/L      |
| p-Xylene, TCLP               | EPA 8021   |                | 05/07/97         |      | BLD | *        | ug/L      |
| Isopropylbenzene, TCLP       | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| n-Propylbenzene, TCLP        | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| p-Isopropyltoluene, TCLP     | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| 1,2,4-Trimethylbenzene, TCLP | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| 1,3,5-Trimethylbenzene, TCLP | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| n-Butylbenzene, TCLP         | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| sec-Butylbenzene, TCLP       | EPA 8021   |                | 05/07/97         |      | BLD |          |           |
| Naphthalene, TCLP            | EPA 8021   |                | 05/07/97         |      | BLD | < 5.0    | ug/L      |

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CONTINUATION OF DATA FOR SAMPLE NUMBER 132814

|   |          | SAMPLE PREP  | ANALYSIS |         |              |
|---|----------|--------------|----------|---------|--------------|
| ANALYSIS                                | METHOD   | DATE BY      | DATE     | TIME BY | RESULT UNITS |
| Methyl-T-Butyl Ether, TCLP              | EPA 8021 |              | 05/07/97 | BLD     | < 5.0 ug/L   |
| EPA 8270 PAH's, TCLP                    | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     |              |
| Naphthalene, TCLP                       | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Acenaphthylene, TCLP                    | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Acenaphthene, TCLP                      | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Fluorene, TCLP                          | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Phenanthrene, TCLP                      | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Anthracene, TCLP                        | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Fluoranthene, TCLP                      | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Pyrene, TCLP                            | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Benzo(a)Anthracene, TCLP                | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Chrysene, TCLP                          | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Benzo(b)Fluoranthene, TCLP              | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Benzo(k)Fluoranthene, TCLP              | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Benzo(a)Pyrene, TCLP                    | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| <pre>Indeno(1,2,3-cd)Pyrene, TCLP</pre> | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Dibenzo(a,h)Anthracene, TCLP            | EPA 8270 | 04/30/97 KSA | 05/01/97 | KMS     | < 5 ug/L     |
| Benzo(ghi)Perylene, TCLP                | EPA 8270 | 04/30/97 KSA | • •      | KMS     | < 5 ug/L     |

Note: Zero Headspace Extraction performed by ELAP #11375.
\*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



#### REPORT OF ANALYSES

ALASKAN OIL 500 SOLAR STREET SYRACUSE, NY 13204-

Attn: MR. RICH NEUGEBAUER

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342

DATE: 05/16/97

SAMPLE NUMBER- 132815 SAMPLE ID- NW Quadrant-Section III

DATE SAMPLED- 04/22/97

DATE RECEIVED- 04/23/97 SAMPLER- Kevin R. Rowe

TIME RECEIVED- 0800 DELIVERED BY- Kevin R. Rowe

SAMPLE MATRIX- SO TIME SAMPLED- 1545 RECEIVED BY- CAM

TYPE SAMPLE- Composite

| ANALYSIS                     | METHOD     | SAMPLE<br>DATE | ANALYSIS<br>DATE | TIME | BY  | RESULT   | UNITS     |
|------------------------------|------------|----------------|------------------|------|-----|----------|-----------|
| TCLP EXTRACTION              | 40CFR 1311 |                | 04/28/97         |      |     | Complete |           |
| ZERO HEADSPACE EXTRACTION    | 40CFR 1311 |                | 04/28/97         |      | ELS | Complete |           |
| AMMONIA AS N                 | SM17 4500G |                | 04/28/97         |      | JDC | 29.4     | mg/Kg     |
| NITRATE/NITRITE              | EPA 353.3  |                | 04/25/97         |      | JDC | 8.2      | mg/Kg     |
| PH IN WATER                  | EPA 150.1  |                | 04/24/97         |      | JDC |          | std units |
| TOTAL SOLIDS                 | EPA 160.3  |                | 04/23/97         |      | JDC | 886000   | mg/Kg     |
| EPA 8021 Scan, TCLP          | EPA 8021   |                | 05/07/97         |      | BLD |          |           |
| Benzene, TCLP                | EPA 8021   |                | 05/07/97         |      | BLD | < 0.7    | ug/L      |
| Ethylbenzene, TCLP           | EPA 8021   |                | 05/07/97         |      | BLD |          |           |
| Toluene, TCLP                | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    |           |
| o-Xylene, TCLP               | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| m-Xylene, TCLP               | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| p-Xylene, TCLP               | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| Isopropylbenzene, TCLP       | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| n-Propylbenzene, TCLP        | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| p-Isopropyltoluene, TCLP     | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| 1,2,4-Trimethylbenzene, TCLP | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| 1,3,5-Trimethylbenzene, TCLP | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| n-Butylbenzene, TCLP         | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    | ug/L      |
| sec-Butylbenzene, TCLP       | EPA 8021   |                | 05/07/97         |      | BLD | < 1.0    |           |
| Naphthalene, TCLP            | EPA 8021   |                | 05/07/97         |      | BLD | < 5.0    | ug/L      |

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CONTINUATION OF DATA FOR SAMPLE NUMBER 132815

| ANALYSIS                                | METHOD   | SAMPLE PREP<br>DATE BY | ANALYSIS<br>DATE | TIME BY | RESULT UNITS |
|---|----------|------------------------|------------------|---------|--------------|
| Methyl-T-Butyl Ether, TCLP              | EPA 8021 |                        | 05/07/97         | BLD     | < 5.0 ug/L   |
| EPA 8270 PAH's, TCLP                    | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     |              |
| Naphthalene, TCLP                       | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Acenaphthylene, TCLP                    | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Acenaphthene, TCLP                      | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Fluorene, TCLP                          | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Phenanthrene, TCLP                      | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Anthracene, TCLP                        | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Fluoranthene, TCLP                      | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Pyrene, TCLP                            | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(a)Anthracene, TCLP                | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Chrysene, TCLP                          | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(b)Fluoranthene, TCLP              | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(k)Fluoranthene, TCLP              | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(a)Pyrene, TCLP                    | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| <pre>Indeno(1,2,3-cd)Pyrene, TCLP</pre> | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Dibenzo(a,h)Anthracene, TCLP            | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(ghi)Perylene, TCLP                | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |

Note: Zero Headspace Extraction performed by ELAP #11375.

NYSDOH LAB ID NO. 11246

SAMPLE MATRIX- SO

TIME SAMPLED- 1630



#### REPORT OF ANALYSES

PROJECT NAME: AOI/PEF, #344-Watertown-Rt 342 ALASKAN OIL

500 SOLAR STREET DATE: 05/16/97

SYRACUSE, NY 13204-Attn: MR. RICH NEUGEBAUER

SAMPLE NUMBER- 132816 SAMPLE ID- NE Quadrant-Section IV

DATE SAMPLED- 04/22/97

RECEIVED BY- CAM DATE RECEIVED- 04/23/97 SAMPLER- Kevin R. Rowe TYPE SAMPLE- Composite TIME RECEIVED- 0800 DELIVERED BY- Kevin R. Rowe

|                              |            | SAMPLE | PREP | ANALYSIS |      |     |          |           |
|------------------------------|------------|--------|------|----------|------|-----|----------|-----------|
| ANALYSIS                     | METHOD     | DATE   | BY   | DATE     | TIME | BY  | RESULT   | UNITS     |
| TCLP EXTRACTION              | 40CFR 1311 |        |      | 04/28/97 |      | SJA | Complete |           |
| ZERO HEADSPACE EXTRACTION    | 40CFR 1311 |        |      | 04/28/97 |      | ELS | Complete |           |
| AMMONIA AS N                 | SM17 4500G |        |      | 04/28/97 |      | JDC | 25.8     | mg/Kg     |
| NITRATE/NITRITE              | EPA 353.3  |        |      | 04/25/97 |      | JDC | 5.3      | mg/Kg     |
| PH IN WATER                  | EPA 150.1  |        |      | 04/24/97 |      | JDC | 7.96     | std units |
| TOTAL SOLIDS                 | EPA 160.3  |        |      | 04/23/97 |      | JDC | 877000   | mg/Kg     |
| EPA 8021 Scan, TCLP          | EPA 8021   |        |      | 05/07/97 |      | BLD |          |           |
| Benzene, TCLP                | EPA 8021   |        |      | 05/07/97 |      | BLD | < 0.7    |           |
| Ethylbenzene, TCLP           | EPA 8021   |        |      | 05/07/97 |      | BLD | 1.5      | ug/L      |
| Toluene, TCLP                | EPA 8021   |        |      | 05/07/97 |      | BLD | 11       | ug/L      |
| o-Xylene, TCLP               | EPA 8021   |        |      | 05/07/97 |      | BLD | 4.7      | ug/L      |
| m-Xylene, TCLP               | EPA 8021   |        |      | 05/07/97 |      | BLD | 10*      | ug/L      |
| p-Xylene, TCLP               | EPA 8021   |        |      | 05/07/97 |      | BLD | *        | ug/L      |
| Isopropylbenzene, TCLP       | EPA 8021   |        |      | 05/07/97 |      | BLD | < 1.0    | ug/L      |
| n-Propylbenzene, TCLP        | EPA 8021   |        |      | 05/07/97 |      | BLD | < 1.0    | ug/L      |
| p-Isopropyltoluene, TCLP     | EPA 8021   |        |      | 05/07/97 |      | BLD | < 1.0    | ug/L      |
| 1,2,4-Trimethylbenzene, TCLP | EPA 8021   |        |      | 05/07/97 |      | BLD | 5.8      | ug/L      |
| 1,3,5-Trimethylbenzene, TCLP | EPA 8021   |        |      | 05/07/97 |      | BLD | 2.9      | ug/L      |
| n-Butylbenzene, TCLP         | EPA 8021   |        |      | 05/07/97 |      | BLD | < 1.0    | ug/L      |
| sec-Butylbenzene, TCLP       | EPA 8021   |        |      | 05/07/97 |      | BLD | < 1.0    |           |
| Naphthalene, TCLP            | EPA 8021   |        |      | 05/07/97 |      | BLD | < 5.0    | ug/L      |

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CONTINUATION OF DATA FOR SAMPLE NUMBER 132816

| ANALYSIS                                | METHOD   | SAMPLE PREP<br>DATE BY | ANALYSIS<br>DATE | TIME BY | RESULT UNITS |
|---|----------|------------------------|------------------|---------|--------------|
| Methyl-T-Butyl Ether, TCLP              | EPA 8021 |                        | 05/07/97         | BLD     | < 5.0 ug/L   |
| EPA 8270 PAH's, TCLP                    | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     |              |
| Naphthalene, TCLP                       | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Acenaphthylene, TCLP                    | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Acenaphthene, TCLP                      | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Fluorene, TCLP                          | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Phenanthrene, TCLP                      | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Anthracene, TCLP                        | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Fluoranthene, TCLP                      | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Pyrene, TCLP                            | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(a)Anthracene, TCLP                | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Chrysene, TCLP                          | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(b)Fluoranthene, TCLP              | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(k)Fluoranthene, TCLP              | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(a)Pyrene, TCLP                    | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| <pre>Indeno(1,2,3-cd)Pyrene, TCLP</pre> | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Dibenzo(a,h)Anthracene, TCLP            | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |
| Benzo(ghi)Perylene, TCLP                | EPA 8270 | 04/30/97 KSA           | 05/01/97         | KMS     | < 5 ug/L     |

Note: Zero Headspace Extraction performed by ELAP #11375.
\*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



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

## CHAIN OF CUSTODY RECORD

| Company:           | Mask                                     | 4 01/                                   | Ζ       | 7,5                      | Phon                    | e:   |                  | A        | naly            | sis                         |                |   |          |                  |
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| Address:           |  | <u> Safer</u><br>                       |         |                          |                         | x:   |                  |          |                 |                             |                |   |          |                  |
| Contact Person:    | King.                                    | 1962 18 19<br>1974 1840                 |         | i a                      | P.O.:  Project  (sign)  | #:<br>n:_ <u>402.]77.7</u><br>7,342. in/n] | #344<br>ertaun V | 7,0      | ) ~ <b>(</b> *¢ | (a)                         | /:             |   |          |                  |
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|                    | <u> </u>                                 |   |         | _                        | Andrew Segmenters       |  |                  |          |                 |                             |                |   | _        |                  |
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