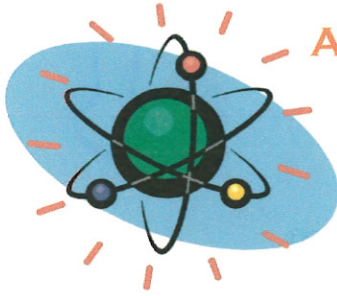


2105, 26, 001



## ASTRO ENVIRONMENTAL SERVICES

AES IS WORLDS ABOVE THE REST

11700 Mary Avenue Anchorage, Alaska 99515  
(907) 770-3942 Fax (907) 770-3943  
astro@gci.net

October 26, 2003

Paul Horwath, P.E.  
Alaska Department of Environmental Conservation  
43335 Kalifornsky Beach Road, Suite 11  
Soldotna, Alaska 99669

RECEIVED

Mailed

OCT 28 2003

ADEC  
Kenai Area Office

RE: Disposal of contaminated soil in 55-Gallon Drums  
**Shoreside Petroleum Bird Creek Station and Seward Bulk Plant**  
Mile 101 Seward Highway  
ADEC Facility ID # 2715, Spill # 95210016701, File # L25.21

Dear Mr. Horwath:

In July of 2003, we received approval for disposal of contaminated soils containerized in eleven 55-gallon drums generated during operations at the Shoreside Petroleum, Inc. (SPI) Seward Bulk Facility (see attachment). In addition, at that time, I spoke with you about including 55-gallon drums generated during release investigation drilling of the above referenced Bird Creek facility (ADEC ID #2715) along with the drums from the Seward facility. We had previous approval from Robert Weimer of ADEC to dispose of three 55-gallon drums generated during RI activities at the Bird Creek site. Another 55-gallon drum was generated in October 2002 during continued drilling at Bird Creek for a total of 15 drums scheduled for remediation.

In our conversation, you indicated that you had no concerns with combining the soils and that from a discussion you had with Rich Sundet of ADEC that he was also not concerned with the combination of soil from both sites since they were from the same responsible party. At my request, you indicated that you would write an e-mail to Mr. Sundet and copy me outlining the verbal agreement we had to dispose of the drums together. Mr. Sundet was not the ADEC project manager for Bird Creek, but since the ADEC project manager, Robert Weimer, was out of the office for an extended period, you indicated that Mr. Sundet, made the decision to allow the combination of drums from both sites.

Based on the conversations I had with you, I notified SPI that they could proceed with the disposal following sampling of one the drums from the Seward Bulk Fuel Plant as outlined in the attached July 6, 2003 letter to you. On July 18, 2003, a sample was collected from one of the drums by Chris Hawe of Astro Environmental Services.


All drums were filled with highly contaminated soil. The headspace measurements for all drum screening samples were greater than the maximum measurable level with a Photovac 2020 photoionization detector. Therefore, the drum with the most notably contaminated soil was selected for sampling (see the attached analytical results).

Considerable time had passed without receipt of the e-mail you were to send on the approval of combining the soil. Therefore, on August 27, 2003, I contacted you and asked about the e-mail I was expecting. You indicated that you had forgot to send the e-mail and requested that I send an e-mail with the request so you could forward it on to Robert Weimer. I sent the e-mail that same day. Subsequently, I received the attached e-mail from Mr. Weimer. Unfortunately, the drums of soil from the Seward Bulk Facility and the Bird Creek facility we already combined and delivered to ASR for remediation and disposal on August 28, 2003. The soil was remediated on September 10, 2003, two days prior to the e-mail from Mr. Weimer indicating that combination of the soil was not acceptable.

We regret that this misunderstanding has occurred, but we proceeded with an understanding that we had approval to do so from ADEC. All the soil in 55-gallon drums from both mentioned projects has been remediated to acceptable levels (see the attached letter from ASR). Please advise us if we can do anything to help your finalization of this matter. You can be assured that we will not proceed with combining any soil in the future without documented approval to do so from ADEC.

Thank you for your assistance on this matter. If you have any questions regarding the information contained herein, please contact us at 770-3942.

Sincerely,

  
Christopher Hawe, P.E.  
General Manager

Attachments: ADEC approval of Seward Bulk Plant Soil Remediation (2 Pages)  
ADEC approval of Bird Creek Soil Remediation (1 Page)  
September 12, 2003, E-mail from Robert Weimer (1 Page)  
Analytical Results of 55-gallon Drum Sample (14 Pages)  
ASR Post Treatment Analytical Results (10 Pages)

cc: Robert Weimer, ADEC  
Jim Rogers, ASR  
Bob Lechner, SPI

# ALASKA COMPLETE TANK

2700 Huffman Road  
Anchorage, Alaska 99516  
(907) 345-8339 Fax (907) 345-8370

September 27, 2000

Sent via Facsimile to 269-7507

Robert Welmer  
Environmental Specialist  
UST Program  
Alaska Department of Environmental Conservation  
555 Cordova Street  
Anchorage, Alaska 99501

RE: Request for approval to dispose of contaminated soil  
Shoreside Petroleum Bird Creek Texaco - Bird Creek, Alaska  
ADEC Facility ID # 2715  
ACT Project No. 2041

Dear Mr. Welmer:

Alaska Complete Tank (ACT) is requesting approval from ADEC to transport diesel and gasoline contaminated soil to Alaska Soil Recycling (ASR) located at 2300 Spar Avenue, Anchorage, Alaska, for thermal remediation and disposal. ASR confirmation analytical testing will be for DRO, GRO, and BTEX. The contaminated soil to be treated is contained in three 55-gallon drums of contaminated soil generated during drilling of test borings at the site.

Please indicate your approval of this treatment method by signing below and faxing it back to us at 345-8370.

*Robert Welmer* Date 9/27/00

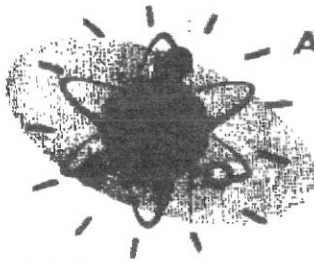
Thank you for your assistance on this matter. If you have any questions regarding this request, please contact me at 770-3942.

Sincerely,

*Christopher Hawe*  
Christopher Hawe, P.E.  
Director of Engineering and Environmental

cc: Ron Johnson, ASR

Post-it® Fax Note	7671	Date	9/27/00	# of pages	1
To	Chris Hawe	From	R. Welmer		
Co./Dept.	ACT	Co.	ADEC		
Phone #	345-8339	Phone #	269-7525		
Fax #	345-8370	Fax #	269-7507		



# ASTRO ENVIRONMENTAL SERVICES

AES IS WORLDS ABOVE THE REST

11700 Mary Avenue Anchorage, Alaska 99515  
(907) 770-3942 Fax (907) 770-3943  
astro@gci.net

July 6, 2003

Sent via Facsimile to 262-2294

Paul Horwath, P.E.  
Alaska Department of Environmental Conservation  
43335 Kalifomsky Beach Road, Suite 11  
Soldotna, Alaska 99669

RE: Request for approval to dispose of contaminated soil

Dear Mr. Horwath:

After discussions with you and Rich Sundet of the Alaska Department of Environmental Conservation (ADEC), we are requesting, on behalf of Shoreside Petroleum, Inc. (SPI), approval from ADEC to dispose of the contents of eleven 55-gallon drums generated during operations at the SPI Seward Facility. The drums will be transported to Alaska Soil Recycling (ASR) located at 2300 Spar Avenue, Anchorage, Alaska, for thermal remediation and disposal (see attached SPI letter). The drum with the absorbents will be disposed of at Emerald Alaska in Anchorage.

The drums will be screened using photoionization headspace screening to determine which drum appears to have the most contaminated soil. The soil from that drum will be sampled and analyzed for benzene using EPA extraction method 1311 (TCLP). Following receipt of the sample analytical results and confirmation that a hazardous waste is not present, the drums will be taken to ASR.

Please indicate your approval of this sampling and treatment method by signing below and faxing it back to us at 770-3943.

Paul Horwath

Date July 8, 2003

Approved, provided the contents of the drums are a soil matrix, and not a liquid  
Thank you for your assistance on this matter. If you have any questions regarding this request, please contact us at 770-3942.

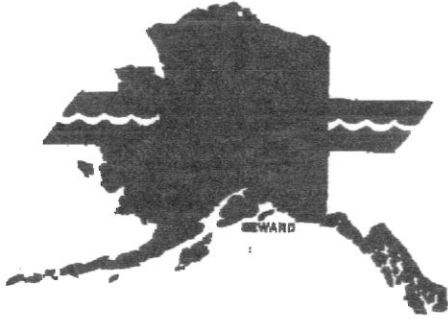
PDH  
7-8-2003

Sincerely,

Christopher Hawe  
Christopher Hawe, P.E.  
Senior Project Manager

Attachment: SPI Letter (1 page)

SPI Drum Disposal Letter



## **SHORESIDE PETROLEUM, INC.**

CORPORATE OFFICE  
P.O. BOX 1189 700 PORT AVENUE  
SEWARD, ALASKA 99864-1189  
PHONE (907) 224-8040 FAX (907) 224-8047

To: Chris Hawe  
Astro Enviromental

From: Bob Lechner  
Shoreside Petroleum

Subject: Drums for disposal

Chris,

Shoreside Petroleum is currently seeking to have 12 drums containing the following products disposed of.

5 drums of sediment generated from cleaning inside diesel tanks at Shoreside Petroleum's bulk plant located in Seward, AK.

4 drums of gravel with # 2 diesel fuel generated from plant maintenance at Shoreside Petroleum.

2 drums of gravel with # 6 oil generated from plant maintenance at Shoreside Petroleum.

1 drum of sorbent material/ rags used for cleaning inside diesel tanks located at Shoreside Petroleum.

There is no standing fuel in these drums. If there are any questions or comments please call me at (907) 224-8040. Thank you for your time on this.

Sincerely,

Bob Lechner  
Shoreside Petroleum

**Subject:** RE: Shoreside Petroleum Drums

**From:** "Weimer, Robert" <Robert\_Weimer@dec.state.ak.us>

**Date:** Fri, 12 Sep 2003 16:26:56 -0800

**To:** "astro@gci.net" <astro@gci.net>

**CC:** "Horwath, Paul" <Paul\_Horwath@dec.state.ak.us>, "Sundet, Rich" <Rich\_Sundet@dec.state.ak.us>, "Weimer, Robert" <Robert\_Weimer@dec.state.ak.us>

Chris,

Paul Horwath, Rich Sundet and I have discussed your request further and we have determined that in accordance the ASR's approved facility operation plan they are not currently approved to combine into one processing, soils from separate sites/locations, even if it is from the same RP. This is one of the facility issues that we are currently discussing internally, and hope to sometime in the future to develop a formal defined guidance/policy regarding this matter.

Thank you for your request,  
Robert Weimer - ADEC

-----Original Message-----

From: Horwath, Paul

Sent: Thursday, September 04, 2003 5:36 PM

To: Sundet, Rich; Weimer, Robert

Cc: '[astro@gci.net](mailto:astro@gci.net)'; Horwath, Paul

Subject: FW: Shoreside Petroleum Drums

Gentlemen:

According to Chris Hawe, the fuel contaminants from both the Bird Creek and Seward Bulk Plant sites are the same; gas and diesel/heating oil. Since the contaminants from both sites are similar, the post-treatment testing will be the same (AK101, AK102, 8021B). Shoreside Petroleum, Inc. is the RP for both sites. The Seward Bulk Plant soils have no ADEC spill number since the soils are from tank bottoms and facility maintenance that have accumulated over the years.

I am agreeable to combining the soils so that ASR is only required to run post-treatment lab analyses on once, rather than twice (one for each separated batch of soils). But I don't want to impose my decision upon the Bird Creek project soils. So I leave this up to you guys. I approve of the Seward Bulk Plant soils being mixed with the Bird Creek soils. If you agree to the same mixing vica versa, then please send an e-mail approving this request to Chris Hawe and Jim Rogers @ ASR.

Since the Seward Bulk Plant soils have no spill number associated with them, only one ASR post-treatment sampling report will be generated and delivered to ADEC, for the Bird Creek soils.

Feel free to call if you have questions, concerns, issues.

Paul

-----Original Message-----

From: Chris Hawe [<mailto:astro@gci.net>]

Sent: Wednesday, August 27, 2003 8:31 AM

To: [Paul Horwath@dec.state.ak.us](mailto:Paul_Horwath@dec.state.ak.us)

Cc: [Rich Sundet@dec.state.ak.us](mailto:Rich_Sundet@dec.state.ak.us)

Subject: Shoreside Petroleum Drums

Paul:

As follow-up to our conversation yesterday afternoon, I have provided our request in this e-mail.

Shoreside Petroleum, Inc. (SPI) would like to combine the soils containerized in 55-gallon drums from two locations owned and operated by SPI. The first drums are tank bottom sediments from the Seward Bulk Plant (11 drums). The other drums are drill cuttings from monitoring well borings at the Bird Creek gas station (3 drums). Robert Weimer has already approved the disposal of the Bird Creek drums at ASR and we obtained your approval to dispose of the Seward Bulk Plant drums at ASR.

Please respond with the Department's decision on this request to combine these drums into one processing at ASR.

Thank you.

Chris Hawe , P.E.  
Astro Environmental Services.  
(907) 770-3942  
(907) 770-3943 Fax  
[astro@gci.net](mailto:astro@gci.net)



Analytica Alaska Incorporated  
website:  
www.analyticagroup.com

8/11/2003

Astro Environmental Services  
11700 Mary Ave  
Anchorage, AK 99515  
Attn: Christopher Have

Work Order #: A0307078  
Date: 8/11/2003  
Work ID: SPI-Drums  
Date Received: 7/21/2003

**Sample Identification**

Lab Sample Number	Client Description	Lab Sample Number	Client Description
A0307078-01	D-9		

Enclosed are the analytical results for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues. Listings of data qualifiers, analytical codes, key dates, and QC relationships are provided at the end of the report.

Sincerely,

Joe Egry  
Project Manager

*"The Science of Analysis, The Art of Service"*



## Case Narrative

*Analytica Alaska Inc.*

*Work Order: A0307078*

Samples were prepared and analyzed according to EPA or equivalent methods outlined in the following references:

Test Methods for Evaluating Solid Waste, USEPA SW-846, Third Edition, Revision 4, December 1996.

### REVIEW FOR COMPLIANCE WITH ANALYTICA QA PLAN

A summary of our review is shown below, organized by test:

#### SAMPLE RECEIPT:

One sample was received at a temperature of 5.9°C at Analytica-Anchorage on 7/21/2003. Samples were received in good condition and in order per chain of custody.

Samples were transferred for analysis at Analytica Environmental Laboratories (AEL); 12189 Pennsylvania St. Thornton, CO 80241 where they were received at a temperature of 2.9°C in good condition and in order per chain of custody.

Test Method: Aromatic VOCs by GC/FID via method 8021B (TCLP Extracted) - BTEX-TCLP - Solid

#### HOLDING TIMES:

Holding times were met for this test.

#### SAMPLE PREPARATION ISSUES AND OBSERVATIONS:

There were no unusual observations.

#### INSTRUMENT PERFORMANCE CHECKS:

Instrument checks were within method criteria.

#### INITIAL CALIBRATIONS:

Initial calibrations were within method criteria.

#### CONTINUING CALIBRATIONS:

The following target was recovered out of limits in the CCV shown on the date indicated. Any small bias is of no consequence since the associated sample is ND for the target recovered high.

RunDate	Analyte	Recovery	LCL	UCL
7/31/2003 1:21:00 PM	Benzene	118.	85	115

#### INTERNAL STANDARD AREAS:

There were no Internal Standard outliers.

#### SURROGATE RECOVERIES:

There were no surrogate outliers.

#### METHOD BLANK OUTLIERS:

There are no method blank outliers.

#### LCS OUTLIERS:

There are no LCS outliers.

#### MS/MSD and DUP OUTLIERS:

There are no MS/MSD or DUP outliers.

# Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0307078

Project: SPI-Drums

Client: Astro Environmental Services

Client Project Number: Astro Environmental

## Report Section: Client Sample Report

Client Sample Name:

D-9

Matrix: Soil

Collection Date: 7/18/2003 2:30:00PM

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A0307078-01A

Analysis Date: 7/31/2003 10:07:00PM

Prep Date: 7/29/2003

Instrument: gc\_b

Analytical Method ID: 8021 / BTEX-TCLP

File Name: 03073023.D

Prep Method ID: P&T Water

Dilution Factor: 1

Prep Batch Number: T030806019

Percent Moisture

Report Basis: As Received

Analyst Initials: mu

Sample prep wt./vol: 5.00 ml

Prep Extract Vol: 5.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>				<u>Rerun #:</u>	
Benzene	71-43-2	ND		ug/L	1.0	0.18				1	
<u>Surrogate</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>Spike</u>	<u>% Recov</u>	<u>LCL</u>	<u>UCL</u>	<u>Rerun #:</u>
p-Bromofluorobenzene	460-00-4	34		ug/L	0.50	0.12	30	113	80	120	1

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0307078  
Project: SPI-Drums  
Client: Astro Environmental Services  
Client Project Number: Astro Environmental  
**Report Section: Method Blank Report**

Client Sample Name: **MB**

Matrix: Aqueous Collection Date: 7/29/2003 12:00:00AM

The following test was conducted by: Analytica - Thornton

Lab Sample Number: T030806019-MB Analysis Date: 7/31/2003 2:19:00PM  
Prep Date: 7/29/2003 Instrument: gc\_b  
Analytical Method ID: 8021 / BTEX-TCLP File Name: 03073007.D  
Prep Method ID: P&TWater Dilution Factor: 1  
Prep Batch Number: T030806019 Analyst Initials: mu  
Report Basis: Dry Weight Basis Prep Extract Vol: 5.00 ml  
Sample prep wt./vol: 5.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>				<u>Rerun #:</u>	
Benzene	71-43-2	ND		ug/L	1.0	0.18				1	
<u>Surrogate</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>Spike</u>	<u>% Recov</u>	<u>LCL</u>	<u>UCL</u>	<u>Rerun #:</u>
p-Bromofluorobenzene	460-00-4	33		ug/L	0.50	0.12	30	112	80	120	1

Lab Sample Number: T030807013-MB Analysis Date: 8/5/2003 3:35:00PM  
Prep Date: 8/6/2003 Instrument: gc\_b  
Analytical Method ID: 8021 / BTEX-TCLP File Name: 03080507.D  
Prep Method ID: P&TWater Dilution Factor: 1  
Prep Batch Number: T030807013 Analyst Initials: mu  
Report Basis: Dry Weight Basis Prep Extract Vol: 5.00 ml  
Sample prep wt./vol: 5.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>					<u>Rerun #:</u>
Benzene	71-43-2	ND		ug/L	1.0	0.18					1
<u>Surrogate</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>Spike</u>	<u>% Recov</u>	<u>LCL</u>	<u>UCL</u>	<u>Rerun #:</u>
p-Bromofluorobenzene	460-00-4	34		ug/L	0.50	0.12	30	112	80	120	1

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0307078  
Project: **SPI-Drums**  
Client: **Astro Environmental Services**  
Client Project Number: **Astro Environmental**

Tests Run at: Analytica Environmental Laboratories - Thornton, Colorado  
Workorder (SDG): A0307078  
Project: SPI-Drums  
Project Number:  
Prep Batch: **T030806019**

## QUALITY CONTROL REPORT

### LCS REPORT

Analysis: MB: T030806019-MB  
Prep Date: 7/29/2003  
MB Anal. Date: 7/31/2003 2:19:00PM Units: ug/L  
LCS Anal. Date: 8/1/2003 12:04:00AM Matrix: Aqueous

Analyte Name	SampResult	LCSRes.	SPLev	Recov.	Recov Lim	RPDLim	Flag
Benzene	ND	11.0	10.0	110.0	80 - 120		

### MS/MSD REPORT

Analysis: Parent: A0307078-01A  
Prep Date: 7/29/2003  
Samp. Anal. Date: 7/31/2003 10:07:00PM Units: ug/L  
MS Anal. Date: 7/31/2003 10:36:00PM MSD Anal. Date: 7/31/2003 11:06:00PM Matrix: Soil

Analyte Name	SampResult	MSRes.	MSDRes	SPLev	SPDLev	Recov.	MSD Rec.	RPD	Recov Lim	RPDLim	Flag
Benzene	ND	10.6	11.5	10.0	10.0	106.0	115.0	8.1	80 - 120	20	

Prep Batch: **T030807013**

### LCS/LCSD REPORT

Analysis: MB: T030807013-MB  
Prep Date: 8/6/2003  
MB Anal. Date: 8/5/2003 3:35:00PM Units: ug/L  
LCS Anal. Date: 8/5/2003 5:03:00PM LCSD Anal. Date: 8/5/2003 5:30:00PM Matrix: Aqueous

Analyte Name	SampResult	LCSRes.	SDRes.	SPLev	SPDLev	Recov.	SD Recov	RPD	Recov Lim	RPDLim	Flag
Benzene	ND	10.8	10.2	10.0	10.0	108.0	102.0	5.7	80 - 120	20	

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0307078

Project: SPI-Drums

Client: Astro Environmental Services

Client Project Number: Astro Environmental

## FOOTNOTES TO QC REPORT

Note 1: Results are shown to three significant figures to avoid rounding errors in calculations.

Note 2: If the sample concentration is greater than 4 times the spike level, a recovery is not meaningful, and the result should be used as a replicate. In such cases the spike is not as high as expected random measurement variability of the sample result itself.

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparison should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Note 4: For serial dilutions, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample result is not 50 times the MDL or greater, then the fact that the RPD does not meet the 10% criterion has little significance. Otherwise it indicates that a matrix bias may exist at the analytical step.

**Detailed Analytical Report**

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0307078

**Project:** SPI-Drums

**Client:** Astro Environmental Services

**Client Project Number:** Astro Environmental

**SURROGATE RECOVERY SUMMARY REPORT**

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0307078

Project: SPI-Drums

Client: Astro Environmental Services

Client Project Number: Astro Environmental

Test Method: 8021 / BTEX-TCLP

Lab Sample #: A0307078-01A Dilution: 1  
 Analysis Date: 7/31/2003 10:07:00PM Client Sample: **D-9**  
 Batch Number: T030806019 Data File: 03073023.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene	113	80	120		Complete

Lab Sample #: A0307078-01A Dilution: 5  
 Analysis Date: 8/6/2003 8:52:00AM Client Sample: **D-9**  
 Batch Number: T030807013 Data File: 03080542.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene	108	80	120		Rrun

Lab Sample #: T030806019-MB Dilution: 1  
 Analysis Date: 7/31/2003 2:19:00PM Client Sample: **MB**  
 Batch Number: T030806019 Data File: 03073007.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene	112	80	120		Complete

Lab Sample #: T030807013-MB Dilution: 1  
 Analysis Date: 8/5/2003 3:35:00PM Client Sample: **MB**  
 Batch Number: T030807013 Data File: 03080507.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene	112	80	120		Complete

Lab Sample #: T030806019-LCS Dilution: 1  
 Analysis Date: 8/1/2003 12:04:00AM Client Sample: **LCS**  
 Batch Number: T030806019 Data File: 03073027.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene	100	80	120		Complete

Lab Sample #: T030807013-LCS Dilution: 1  
 Analysis Date: 8/5/2003 5:03:00PM Client Sample: **LCS**  
 Batch Number: T030807013 Data File: 03080510.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene	100	80	120		Complete

Lab Sample #: T030807013-LCSD Dilution: 1  
 Analysis Date: 8/5/2003 5:30:00PM Client Sample: **LCSD**  
 Batch Number: T030807013 Data File: 03080511.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene	101	80	120		Complete

Lab Sample #: A0307078-01A-MS Dilution: 1  
 Analysis Date: 7/31/2003 10:36:00PM Client Sample: **MS**  
 Batch Number: T030806019 Data File: 03073024.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene	99	80	120		Complete

Lab Sample #: A0307078-01A-MSD Dilution: 1  
 Analysis Date: 7/31/2003 11:06:00PM Client Sample: **MSD**  
 Batch Number: T030806019 Data File: 03073025.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene					

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0307078  
**Project:** SPI-Drums  
**Client:** Astro Environmental Services  
**Client Project Number:** Astro Environmental  
**Test Method:** 8021 / BTEX-TCLP

---

Lab Sample #: A0307078-01A-MSD Dilution: 1  
Analysis Date: 7/31/2003 11:06:00PM Client Sample: **MSD**  
Batch Number: T030806019 Data File: 03073025.D

<u>AnalyteName</u>	<u>SSRecov</u>	<u>LCL</u>	<u>UCL</u>	<u>SSFlag</u>	<u>Result Status</u>
p-Bromofluorobenzene	101	80	120		Complete

---



# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0307078  
Project: SPI-Drums  
Client: Astro Environmental Services  
Client Project Number: Astro Environmental

## QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: 18,273      Lab Project Number: A0307078  
Prep Date: 7/29/2003

Lab Method Blank Id: T030806019-MB  
Prep Batch ID: T030806019  
Method: Aromatic VOCs by GC/FID via method 8021B (TCLP Extracted) - B

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
A0307078-01A	D-9	03073023.D	7/31/2003 10:07:00PM
A0307078-01A-MS	MS	03073024.D	7/31/2003 10:36:00PM
A0307078-01A-MSD	MSD	03073025.D	7/31/2003 11:06:00PM
T030806019-LCS	LCS	03073027.D	8/1/2003 12:04:00AM

Prep Date: 8/6/2003

Lab Method Blank Id: T030807013-MB  
Prep Batch ID: T030807013  
Method: Aromatic VOCs by GC/FID via method 8021B (TCLP Extracted) - B

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
T030807013-LCS	LCS	03080510.D	8/5/2003 5:03:00PM
T030807013-LCSD	LCSD	03080511.D	8/5/2003 5:30:00PM

## Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0307078  
**Project:** SPI-Drums  
**Client:** Astro Environmental Services  
**Client Project Number:** Astro Environmental

### DATA FLAGS AND DEFINITIONS

The PQL is the Method Quantitation Limit as defined by USACE.

Reporting Limit: Limit below which results are shown as "ND". This may be the PQL, MDL, or a value between. See the report conventions below.

Result Field:

ND = Not Detected at or above the Reporting Limit

NA = Analyte not applicable (see Case Narrative for discussion)

Qualifier Fields:

LOW = Recovery is below Lower Control Limit

HIGH = Recovery, RPD, or other parameter is above Upper Control Limit

E = Reported concentration is above the instrument calibration upper range

Organic Analysis Flags:

B = Analyte was detected in the laboratory method blank

J = Analyte was detected above MDL or Reporting Limit but below the Quant Limit (PQL)

Inorganic Analysis Flags:

J = Analyte was detected above the Reporting Limit but below the Quant Limit (PQL)

W = Post digestion spike did not meet criteria

S = Reported value determined by the Method of Standard Additions (MSA)

Other Flags may be applied. See Case Narrative for Description

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0307078

Project: SPI-Drums

Client: Astro Environmental Services

Client Project Number: Astro Environmental

## REPORTING CONVENTIONS FOR THIS REPORT

A0307078

<u>TestPkgName</u>	<u>Basis</u>	<u># Sig Figs</u>	<u>Reporting Limit</u>
8021 / BTEX-TCLP	As Received	2	Report to PQL

24947

12189 Pennsylvania Street  
Thornton, CO 80241  
(303) 469-8868  
FAX: (303) 469-5254

5438 Shaune Drive  
Juneau, AK 99801  
(907) 780-6668  
FAX: (907) 780-6670

811 W. 8th Ave.  
Anchorage, AK 99501  
(907) 258-2155  
FAX: (907) 258-6634

**ANALYTICA**  
GROUP

www.analyticagroup.com

# Chain of Custody Record / Analysis Request

LGN: 170307078  
Quote:  
Project ID #:

Company Name: <b>ASTRO ENVIRONMENTAL SALES</b>	Project Name: <b>SPI-DIVANS</b>	Report To: <b>CHRIS HANE</b>	Invoice To: <b>CHRIS HANE</b>	P.O. Number:	Date Collected:	Time collected:	Maxtix:	# Containers:	MS / MSD	Preserved?	Highly Concentrated?	LAB ID
Company Address: <b>11700 MANLY AVE</b>					<b>7/21/03</b>	<b>1430</b>	<b>SP4</b>	<b>1</b>				<b>1</b>
City/State/Zip: <b>ANCHORAGE, AK 99518</b>												
Telephone: <b>770-3942</b>												
Fax: <b>770-3943</b>												
Email: <b>ASTRO@ECSWT</b>												
Sample ID: <b>D9</b>												

TCLP - BUREAU X

10 Business Days  
 15 Business Days  
 other: # Business Days  
(Prior Authorization Required.)

Cooler Receipt Information

Temp Received: **59** °C  
Temp Received: \_\_\_\_\_ °C  
Coolers: \_\_\_\_\_  
Seals: \_\_\_\_\_

Means of Delivery / Way Bill #  
**170307078**

### COMMENTS

RELINQUISHED BY SAMPLER:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: <b>Chris Hane</b>	Signature: <b>[Signature]</b>	Signature: <b>[Signature]</b>	Signature: <b>[Signature]</b>
Printed Name: <b>CHRIS HANE</b>	Printed Name: <b>HOWARD VEABLE</b>	Printed Name: <b>HOWARD VEABLE</b>	Printed Name: <b>[Name]</b>
Firm: <b>AS</b>	Firm: <b>EYS</b>	Firm: <b>EYS</b>	Firm: <b>[Firm]</b>
Date/Time: <b>7/21/03 11030</b>	Date/Time: <b>7/21/03</b>	Date/Time: <b>7/21/03</b>	Date/Time: <b>7-21-03 210</b>

Relinqu: Dollie Winder 7-22-03 8pm / Peri Anderson 7-23-03 11:20



# Cooler Receipt Form

Client: Astro Environmental, Inc  
Project: SPI-Drums

Client Code: 004360

Order #: A0307078

Cooler ID: 2

**A. Preliminary Examination Phase:**

Date cooler opened: 7/23/2003  
Cooler opened by: ra

Signature: RRR

- 1. Was airbill Attached? Yes      Airbill #: 790355293862      Carrier Name: FedEx
- 2. Custody Seals? Yes      How many? 1      Location: top      Seal Name: DW
- 3. Seals intact? Yes
- 4. Screened for radiation? N/A
- 5. COC Attached? Yes      Properly Completed? Yes      Signed by AEL employee? Yes
- 6. Project Identification from custody paper: SPI-Drums
- 7. Preservative: BlueGel      Temperature: 2.9

Designated person initial here to acknowledge receipt:

RRR      Date: 7/24/03

COMMENTS:

**B. Log-In Phase:**

Samples Log-in Date: 7/24/2003      Log-in By: ra

Signature: RRR

- 1. Packing Type: Bubblewrap
- 2. Were samples in separate bags? Yes
- 3. Were containers intact? Yes      Labels agree with COC? Yes
- 4. Number of bottles received: 1      Number of samples received: 1
- 5. Correct containers used? Yes      Correct preservatives added? N/A
- 6. Sufficient sample volume? Yes
- 7. Bubbles in VOA samples? N/A
- 8. Was Project manager called and status discussed? No
- 9. Was anyone called? No      Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ Date: \_\_\_\_\_

COMMENTS:



## ALASKA SOIL RECYCLING

A Division of Anchorage Sand & Gravel Co. Inc.  
1040 O'Malley Road • Anchorage, Alaska 99515  
Phone (907) 349-3333 • FAX (907) 344-2844

September 29, 2003

CYS Manangement Service Inc.  
P.O. Box 232821  
Achorage, Alaska 99523-2821

Attn: Mr. Chris Hawe,

Re: Soil Disposal From Shoreside Petroleum Salvage Drums

Dear Mr. Hawe:

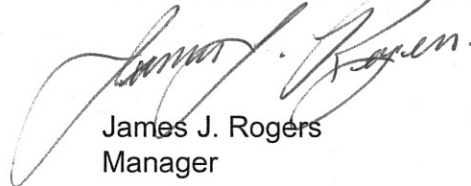
On August 28, 2003 Alaska Soil Recycling (ASR) received 15 drums of petroleum impacted soil from the above referenced site. On September 10, 2003 thermal treatment of this soil was completed at ASR's Spar Avenue facility in Anchorage, Alaska. Post remedial analysis reveals that this soil meets the Alaska Department of Environmental Conservation's most restrictive level (Level A). Attached is a copy of the analysis summary and laboratory results.

This soil will be recycled for use in the construction industry.

Please contact me with any questions.

Sincerely,

ALASKA SOIL RECYCLING



James J. Rogers  
Manager

JJR:rj

Attachments

# Oil Spill Consultants, Inc.

*The Environmental Cleanup Company*

September 19, 2003

Mr. James J. Rogers  
Environmental Manager  
Alaska Soil Recycling  
1040 O'Malley Road  
Anchorage, Alaska 99515

Subject: Laboratory Results for Third Party Sampling - Account No. 2965

Dear Mr. Rogers:

The results for our September 12, 2003, sampling for Account No. 2965 are attached. These results are summarized as follows:

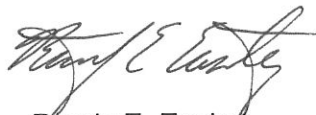
Sample ID No.	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	DRO (mg/kg)	RRO (mg/kg)
2003-ASR-2965-266-SL	U	0.023	U	U	25	U
2003-ASR-2965-267-SLD	0.0087	0.026	U	U	24	U
ADEC Level "A" Cleanup Criteria	-	-	-	-	100	2,000
ADEC Method Two Cleanup Criteria	0.02	5.4	5.5	78	-	-

Notes: 1. U means undetected. 2. - means not applicable.

Please be advised that Account No. 2965 meets ADEC Level "A" Cleanup Criteria for DRO and RRO under Method One in 18 AAC 75.341. This account also meets ADEC Method Two Cleanup levels for benzene, toluene, ethylbenzene, and xylene (BTEX) in 18 AAC 75.341.

Samples 2003-ASR-2965-266-SL and 2003-ASR-2965-267-SLD are duplicates. The percentage difference for the DRO and toluene results for these samples is 4 and 11 percent, respectively. These results are acceptable under our quality control program and validates the laboratory results. All samples were collected following ADEC guidelines.

Sincerely,



Randy E. Easley  
President

Attachments





SGS Ref.# 3033974001  
Client Name Alaska Soil Recycling  
Project Name/# 2003-03 (1035869)  
Client Sample ID 2003-ASR-2965-266-SL  
Matrix Solid  
Location/Well ID

Printed Date/Time 09/18/2003 16:33  
Collected Date/Time 09/12/2003 11:24  
Received Date/Time 09/16/2003 9:30  
Technical Director Stephen C. Ede

Released By *Denise Heckler*

Sample Remarks:  
Sample analyzed at the Ludington, Michigan laboratory of SGS Environmental Services Inc.  
DRO: Unknown hydrocarbon pattern present.

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
<b>PHYSICAL PROPERTY ANALYSIS</b>								
Total Solids	92.6	0.10	%	SM19 2540G			09/17/03	SKP
<b>DRO/RRO COMBINATION</b>								
Diesel Range Organics	25	11	mg/Kg	AK102/103		09/16/03	09/18/03	DAJ
Residual Range Organics	17.8 U	17.8	mg/Kg	AK102/103		09/16/03	09/18/03	DAJ
<b>Surrogates</b>								
5a Androstane Surr	90.2		%	AK102/103	50-150	09/16/03	09/18/03	DAJ
d-Triacontane Surr	85		%	AK102/103	50-150	09/16/03	09/18/03	DAJ
<b>GRO/8021 COMBINATION</b>								
Benzene	0.0086 U	0.0086	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
Ethylbenzene	0.017 U	0.017	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
o-Xylene	0.017 U	0.017	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
P & M -Xylene	0.034 U	0.034	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
Toluene	0.023	0.017	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
<b>Surrogates</b>								
1,4-Difluorobenzene IS/Surr	101		%	AK-101 8021B	60-120	09/12/03	09/17/03	SPE
4-Bromofluorobenzene Surr	92.2		%	AK-101 8021B	50-150	09/12/03	09/17/03	SPE





SGS Ref.# 3033974002  
Client Name Alaska Soil Recycling  
Project Name/# 2003-03 (1035869)  
Client Sample ID 2003-ASR-2965-267-SLD  
Matrix Solid  
Location/Well ID

Printed Date/Time 09/18/2003 16:33  
Collected Date/Time 09/12/2003 11:24  
Received Date/Time 09/16/2003 9:30  
Technical Director Stephen C. Ede

Released By *Denise Heckler*

Sample Remarks:  
Sample analyzed at the Ludington, Michigan laboratory of SGS Environmental Services Inc.  
DRO: Unknown hydrocarbon pattern present.

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
<b>PHYSICAL PROPERTY ANALYSIS</b>								
Total Solids	92.7	0.10	%	SM19 2540G			09/17/03	SKP
<b>DRO/RRO COMBINATION</b>								
Diesel Range Organics	24	11	mg/Kg	AK102/103		09/16/03	09/18/03	DAJ
Residual Range Organics	17.7 U	17.7	mg/Kg	AK102/103		09/16/03	09/18/03	DAJ
<b>Surrogates</b>								
5a Androstane Surr	91.6		%	AK102/103	50-150	09/16/03	09/18/03	DAJ
d-Triacontane Surr	87.2		%	AK102/103	50-150	09/16/03	09/18/03	DAJ
<b>GRO/8021 COMBINATION</b>								
Benzene	0.0087	0.0087	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
Ethylbenzene	0.017 U	0.017	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
o-Xylene	0.017 U	0.017	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
P & M -Xylene	0.035 U	0.035	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
Toluene	0.026	0.017	mg/Kg	AK-101 8021B		09/12/03	09/17/03	SPE
<b>Surrogates</b>								
1,4-Difluorobenzene IS/Surr	99.8		%	AK-101 8021B	60-120	09/12/03	09/17/03	SPE
4-Bromofluorobenzene Surr	94.2		%	AK-101 8021B	50-150	09/12/03	09/17/03	SPE



200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301  
Web: <http://www.sgsevenvironmental.com>

Randy Easley  
Oil Spill Consultants, Inc.

---

<b>Work Order:</b>	3033974 2003-03 (1035869)
<b>Client:</b>	Alaska Soil Recycling
<b>Report Date:</b>	September 18, 2003

---

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Control Manual that outlines this program is available at your request.

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth in our Quality Assurance Program Plan.

If you have any questions regarding this report or if we can be of any other assistance, please call your SGS Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates an estimated value that falls below PQL, but is greater than the MDL.
J	Indicates an estimated value that falls below PQL, but is greater than the MDL.
B	Indicates the analyte is found in the blank associated with the sample.
*	The analyte has exceeded allowable limits.
GT	Greater Than
D	Secondary Dilution
LT	Less Than
!	Surrogate out of range

**Chain of Custody**

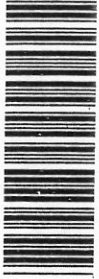
Project: ALASKA SOIL RECYCLING  
 Account Number: 2965  
 Proj. No. 2003-03  
 AI

Client: Oil Spill Consultants, Inc.  
 The Environmental Cleanup Company  
 7926 Old Seward Highway, Suite C2 Anchorage, AK 99518  
 Tel: (907) 562-7169 Fax: (907) 562-7225

3033974

Sampler(s): Randy E. Easley  
 (Signature) *[Signature]*  
 Witness: Dina C. Portales  
 (Signature) *[Signature]*

1035869



Analysis Required by: \_\_\_\_\_

Analysis Required

Item No.	Sample Number	Sample Date	Field Screen No.	Time	PID Reading	Type	# of Cont.	BTEX-8021	DRO-AK102	RRO-AK103	QA/QC Required
1	2003-ASR- 2965 - 266 - SL	9/12/03	1	11:24am	9	Grab	2	X	X	X	QA-QC
2	2003-ASR- 2965 - 267 - SLD	9/12/03	1	11:30am	9	Grab	2	X	X	X	QA-QC

Relinquished by: (Printed) Randy E. Easley  
 (Signature) *[Signature]* Date / Time 9-12-03 12:30  
 Received by: (Printed) \_\_\_\_\_  
 (Signature) \_\_\_\_\_ Date / Time \_\_\_\_\_

Relinquished by: (Printed) \_\_\_\_\_  
 (Signature) \_\_\_\_\_ Date / Time \_\_\_\_\_  
 Received by: (Printed) \_\_\_\_\_  
 (Signature) \_\_\_\_\_ Date / Time \_\_\_\_\_

Dispatched by: (Printed) \_\_\_\_\_  
 (Signature) \_\_\_\_\_ Date / Time \_\_\_\_\_  
 Received at Laboratory by: *[Signature]* Date / Time 9/12/03 1230

Method of Shipment: Hand delivered via Oil Spill Consultants, Inc. truck.  
 Comments: *[Signature]* 9/15/03 1130  
 Condition of Containers: Good Fair Poor  
 Received Temp: 40°C



3033974

Yes

No

Are samples **RUSH**, priority, or within 72 hrs. of hold time?  
 If yes have you done e-mail notification?  
 Are samples within 24 hrs. of hold time or due date?  
 If yes, have you spoken with Supervisor?  
 Archiving bottles – if required, are they properly marked?  
 Are there any **problems** (e.g., ids, analyses)?  
 Were samples preserved correctly and pH verified?

Due Date:

Received Date/Time:

Received Temperature\*:

Thermometer ID:

Cooler ID Temp Blank Cooler Temp

NA 60

Has Project Manager been notified of problems?  
 Is this a DOD project? (USACE, Navy, AFCEE):

If yes, complete page 2 of Sample Receipt Form

Will a data package be required?  
 If this is for PWS, provide PWSID.

Is there a quote for this project?

Will courier charges apply?

Method of payment?

Matrix of each Sample:

2 " " Seals  
 " " " "  
 " " " "  
 " " " "  
 " " " "

Completed by (sign):

(print): K Engel

Notes:

# of each Container Received:

- 950 ml amber unpres'd
- 950 ml amber w/ HCl
- 500 ml amber w/ H<sub>2</sub>SO<sub>4</sub>
- 1L cubies unpres'd
- 1L Cubitainers w/ HNO<sub>3</sub>
- 1L Cubitainers w/ H<sub>2</sub>SO<sub>4</sub>
- 1L Cubitainers w/ NaOH + ZnAc
- 250 mL Nalgene NaOH
- 120 ml coli bottles
- 60 ml Nalgene unpres'd
- 60 mL Nalgene w/ H<sub>2</sub>SO<sub>4</sub>
- 8 oz amber unpres'd
- 4 oz amber unpres'd
- 4 oz w/ septa w/ MeOH
- 40 ml vials w/ HCl
- 40 mL ascorbic acid + HCl

- Other (specify)
- Other (specify)
- Other (specify)
- Other (specify)

Additional Sample Remarks  
 Extra Sample Volume?  
 Limited Sample Volume?  
 Field pres'd for volatiles?  
 Field-filtered for dissolved?  
 Lab-filtered for dissolved?  
 Ref Lab required?

TO BE COMPLETED IN ANCHORAGE UPON ARRIVAL FROM FAIRBANKS:

DATE / TIME:

COOLER AND TEMP BLANK READINGS\*

Cooler ID Temp Blank Cooler

Cooler ID Temp Blank Cooler  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CUSTODY SEALS INTACT: YES / NO # / WHERE: COMPLETED BY (INITIAL):

Log-in proofed by: 004 9/17/03

Chain of Custody

Project: ALASKA SOIL RECYCLING

2965

Proj. No. 2003-03

Authorization Number: ASR Purchase Order No.

110715

Account Number: 2965

Client:

Oil Spill Consultants, Inc.

The Environmental Cleanup Company

7926 Old Seward Highway, Suite C2 Anchorage, AK 99518

Tel: (907) 562-7169 Fax: (907) 562-7225

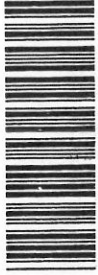
Sampler(s): Randy E. Easley

(Signature) *[Signature]*

Witness: Dwina C. Pottades

(Signature) *[Signature]*

1035869



Analysis Required by: \_\_\_\_\_

Analysis Required

Item No.	Sample Number	Sample Date	Field Screen No.	Time	PID Reading	Type	# of Cont.	Analysis Required			QA/QC Required	
								BTEX-8021	DRO-AK102	FRO-AK103		
1	2003-ASR-2965 - 266 - SL	9/12/03	1	11:24am	0	Grab	2	X	X	X	QA-B	
2	2003-ASR-2965 - 267 - SLD	9/12/03	1	11:24am	0	Grab	2	X	X	X	QA-B	

Relinquished by: (Printed) Randy E. Easley, (Signature) *[Signature]*, Date: 9-12-03, Time: 1230

Received by: (Printed) \_\_\_\_\_, (Signature) \_\_\_\_\_, Date: \_\_\_\_\_, Time: \_\_\_\_\_

Relinquished by: (Printed) \_\_\_\_\_, (Signature) \_\_\_\_\_, Date: \_\_\_\_\_, Time: \_\_\_\_\_

Received at Laboratory by: \_\_\_\_\_, Condition of Containers: \_\_\_\_\_, Received Temp: 40°C, Date: 9/12/03, Time: 1230

Method of Shipment: Hand delivered via Oil Spill Consultants, Inc. truck. Comments: \_\_\_\_\_

Good Fair Poor

SGS

# RUSH

SAMPLE RECEIPT FORM

1035869



CT&E WO#:

Yes No NA

- Are samples **RUSH** priority, or *within 72 hrs. of hold time*?
- If yes have you done *e-mail notification*?
- Are samples *within 24 hrs. of hold time or due date*?
- If yes, have you *spoken with Supervisor*?
- Archiving bottles – if required, are they properly marked?
- Are there any **problems**? PM Notified? \_\_\_\_\_
- Were samples preserved correctly and **pH** verified? \_\_\_\_\_

Due Date: 9.18.03  
 Received Date: 9-12-03  
 Received Time: 1230  
 Is date/time conversion necessary? N  
 # of hours from AK Standard Time: \_\_\_\_\_  
 Received Temperature\*: \_\_\_\_\_ °C  
 Thermometer ID: D-FC6

Cooler ID	Temp Blank	Cooler Temp
<u>1</u>	_____ °C	<u>4.0</u> °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C

\*Temperature readings include thermometer correction factors

Delivery method (circle all that apply): **Client**  
 Alert Courier / UPS / FedEx / USPS /  
 AA Goldstreak / NAC / ERA / PenAir / Carllie  
 Lynden / SGS-CT&E / Other: \_\_\_\_\_

Airbill # \_\_\_\_\_  
 Additional Sample Remarks: (*✓ if applicable*)  
 Extra Sample Volume?  
 Limited Sample Volume?  
 Field preserved for volatiles?  
 Field-filtered for dissolved?  
 Lab-filtered for dissolved?  
 Ref Lab required? whole work order  
 Foreign Soil?

***This section must be filled out for DoD projects (USACE, Navy, AFCEE)***

Yes	No		Samples/Analyses Affected:
_____	_____	Is received temperature $4 \pm 2^\circ\text{C}$ ?	_____
_____	_____	Exceptions: _____	_____
_____	_____	Rad Screen performed?	_____
_____	_____	Result: _____	_____
_____	_____	Was there an airbill? ( <i>Note # above in the right hand column</i> )	_____
_____	_____	Was cooler sealed with custody seals? Faxed to COE? _____	_____
_____	_____	# / where: _____	_____
_____	_____	Were seal(s) intact upon arrival?	_____
_____	_____	Was there a COC with cooler?	_____
_____	_____	Was the COC filled out properly?	_____
_____	_____	Did the COC indicate ACOE / AFCEE project? (if applicable)	_____
_____	_____	Did the COC and samples correspond?	_____
_____	_____	Were all sample packed to prevent breakage?	_____
_____	_____	Packing material: _____	_____
_____	_____	Were all samples unbroken and clearly labeled?	_____
_____	_____	Were all samples sealed in separate plastic bags?	_____
_____	_____	Were all bottles for volatiles free of headspace?	_____
_____	_____	Were correct container / sample sizes submitted?	_____
_____	_____	Is sample condition good?	_____

***This section must be filled if problems are found.***

Yes	No	
_____	_____	Was client notified of problems? _____
_____	_____	Individual contacted: _____
_____	_____	Date/Time: _____
_____	_____	Phone/Fax: _____
_____	_____	Reason for contact: _____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	SGS/CT&E Contact: _____

Completed by (sign): [Signature]  
 Signature proof (check one): waived  required \_\_\_\_\_ performed by: \_\_\_\_\_

(print): Jane Johnson

SAMPLE RECEIPT FORM (page 2)

CT&E WO#



#	Container ID	Matrix	Test	QC	TB	Container Volume											Container Type							Preservative												
						1 L	500 mL	250 mL	125 mL	60 mL	40 mL	80z (250 mL)	40z (125 mL)	Other	AG	CG	HDPE	Nalgene	Cubie	Coll	Septa	Other	None	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	MeOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	NaOH	Other						
1	A	2	BTX											2	2										X											
2	B		BRGRLO																																	

Bottle Totals																	4
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Completed by:

Date: 9-12-03