

8 DEC 04

ARLENE,

HERE'S YOUR COPY OF
THE S. SPRINT REPORT.
SEE WHAT YA THINK.
CALL ME IF YOU HAVE
ANY QUESTIONS.

GEMÜTLICHKEIT,

TOM

REPORT OF ENVIRONMENTAL ASSESSMENT

On the
Locin Oil Corporation
South Sprint Facility
Padre Island National Seashore
Kleberg County, Texas

Submitted to

Locin Oil Corporation
25231 Grogan's Mill Road, Suite 500
The Woodlands, Texas 77380

By



P. O. Box 10412
Corpus Christi, TX 78460-0412
(361) 289-1095

December 2004

TABLE OF CONTENTS

Introduction	1
Evaluation of September 2004	1
Objective.....	1
Sampling Plan and Techniques	1
Findings of Investigation	2
<u>Historical Summary</u>	2
<u>Current Conditions</u>	3
<u>Comparison of Results to TRRP</u>	4
Summary of Laboratory Results (Tables 1 and 2).....	5
Conclusion	7
Attachments	8
1. Site Map with Analytical Results	
2. Laboratory Reports and Chain of Custody Documentation	
3. Field Sampling Data Sheets	

INTRODUCTION

This report will attempt to document a comparison of past monitoring and remedial actions at the South Sprint Facility to the current conditions found during a site evaluation in September 2004. The sampling plan for this latest effort was written and submitted to the National Parks Service (NPS) and initially implemented by J. Connor Consulting, Inc. on behalf of Locin Oil Corporation (Locin). In October 2004, Southern Ecology Management, Inc. (SEM) received oversight of the project from J. Connor Consulting. This assessment, based on sample data and observations will recommend an appropriate and reasonable course of action for the NPS to pursue.

The South Sprint facility is a natural gas production and processing facility that was first constructed and operated by Amoco in the late 1960s. In reviewing previous reports, spills and upsets were apparently contained within the unlined firewall area of the tank battery. The first soil and groundwater samples were collected during 1993. At that time, condensate-contaminated soil and water were initially documented.

During 1993 and 1994, six recovery wells were installed and low-volume pumps were used to remove condensate for several months. The wells were eventually manifolded together in order to remove large amounts of fluid in a short time by use of a vacuum truck. In mid-1995, records show that most of the condensate had been removed and only minor amounts remained on the groundwater.

EVALUATION OF SEPTEMBER 2004

Objective

This site investigation was conducted to observe the current condition of groundwater with respect to hydrocarbon contamination known to have existed at the South Sprint site since the early 1990s. Groundwater samples were collected from several wells and from piezometers. Not all wells and piezometers could be located due to the time lapse since the last time the site was regularly monitored. J. Connor Consulting took no soil samples under the sampling plan.

Sampling Plan and Techniques

Each well was examined to determine if it was intact and unobstructed from organic material. Serviceable wells were measured for total depth, depth to water and the size of any phase-separated hydrocarbon (PSH) using an oil/water interface probe. The probe was decontaminated after measurement of each well using a laboratory grade cleaner (Alconox) and deionized water. The observations and measurements were recorded on field data sheets. SEM followed these procedures during the sampling of August and September 2004.

Groundwater samples from eight (8) wells were originally planned to be taken. However, during the first site visit by J. Connor Consulting and SEM, some wells could not be located and some were not serviceable and an alternate set of wells and

piezometers were scheduled for sampling. Those wells that could not be found were identified as OW-10, OW-11 and OW-12. Unserviceable wells due to thick biomass clogging the screened interval were identified as RW-1, RW-2 and RW-6. Wells that were too dry to sample were OW-16, P-8, P-11 and P-13. The following list of wells and piezometers were eventually sampled.

RW-3	OW-8
RW-4	OW-9
RW-5	OW-13
OW-1	OW-14
OW-2	OW-17
OW-6	P-16

Prior to sampling, each well was purged of three casing volumes as calculated from the earlier well measurements. Larger wells were bailed with dedicated bailers, while small diameter piezometers were purged using a hand-pump foot valve and vinyl tubing. Valves and tubing were dedicated to each well to negate the necessity of decontaminating the equipment. Purged water was discarded in the onsite produced water tank and properly disposed of by Locin. When each well or piezometer was ready to be sampled, field parameters were collected consisting of pH, conductivity and temperature. Instruments for collecting this data were calibrated in the field according to the manufacturer's instructions.

All samples were taken with dedicated disposable bailers. Analyses requested for the groundwater was benzene, toluene, ethyl-benzene and xylenes (BTEX) by ASTM method 8260b and Total Petroleum Hydrocarbons (TPH) by ASTM method 1005.

Groundwater samples were placed on ice immediately after each well was sampled.

Findings of Investigation

Historical Summary

Groundwater was monitored several times during 1994 and 1995, one time during the years 1996 and 1997, and twice during 1998. Phase separated hydrocarbons (PSH) were reduced to a trace in 1995, but re-emerged to as much as 1.32 feet thick due to heavy rain events remobilizing and redistributing the PSH, which is primarily condensate. However, it was observed that little or no condensate was found in most of the other wells, indicating that the plume became smaller and more centralized. This PSH was removed in 1997 and subsequent fluid level measurements in April 1998 show that well OW-10 had 0.71 feet of PSH. A few other monitoring locations recorded dissolved-phase total petroleum hydrocarbon (TPH) up to 556 mg/L, although the lighter components, such as benzene, toluene, ethylbenzene and xylenes were reduced in the most contaminated wells by up to 60 times the previous concentrations. It should be noted that South Sprint is a

gas processing facility and the raw materials from the production wells does not include crude oil, but does include gas, condensate and formation water.

Current Conditions

SEM personnel conducted an inspection of all recovery wells, observation wells and piezometers at the South Sprint facility on August 23, 2004. It was noted that three of the large diameter recovery wells, RW-1, RW-2 and RW-6 were clogged with various biomass and the casing water was observed to be in a stagnant, highly reduced (anaerobic) environment. An attempt was made to recover three volumes of water from each of these wells, but the water remained an opaque black color. The project manager for J. Connor Consulting and personnel from SEM decided that these three wells would not be submitted for analysis, since undisturbed formation water was not available within the screened interval. Although the water exhibited a slight oily sheen originating from residual condensate under the tank battery, the material was primarily organically reduced groundwater. As mentioned earlier, three other wells could not be located, but all other wells and piezometers were found within the area of the planned sampling. Many other piezometers could be seen around the perimeter of the site, but their identification numbers were not verified, since they were not included in the sampling plan.

Natural vegetation at the site appeared to be healthy. There was no indication of hydrocarbon or salt distress associated with the vegetation growing in and around the tank battery, as well as the old pit area (see Site Map in Attachments).

Groundwater samples taken on August 25th and September 2, 2004 indicate the presence dissolved phase hydrocarbons from previous leaks and spills. The most contaminated area of the facility is currently the groundwater under and near the tank battery. A thin layer of condensate, approximately one-quarter inch thick, was observed on the groundwater of well OW-17. This well is located at the base of the west side firewall of the tank battery. No other sampled wells were observed with PSH in them. Tables 1 and 2 (pages 5 and 6) summarize the analytical data and give exact results for each location sampled.

As an overview of groundwater contamination, well OW-14 (the farthest east sampled location) and well OW-1 (the farthest west sampled location) were both found to have no detectable hydrocarbon contamination. Between those two points, ten other wells were sampled, many of which are located within the former site of a pit that was used to store spilled produced fluids caused by upsets during gas processing operations. These ten wells have a range of benzene concentrations from 2.28 µg/L to 99.4 µg/L. In the same wells ethylbenzene has a range of 10.3 µg/L to 204 µg/L and total xylenes of 2.48 µg/L to 8.44 µg/L. TPH ranges from 6.84 mg/L to 574 mg/L. These results can also be found on the Site Map in the attachments of this report. It is evident from the distribution and concentrations of the contaminants that no large amount of hydrocarbon currently exists at the site, as nearly 100 percent of the contaminants are in a dissolved phase. It is important to note that the perimeter area of the facility indicates the lowest concentrations

of contaminants, suggesting that migration of the former plume is no longer taking place and that natural attenuation is shrinking the overall size of the impacted zone.

Comparison of Results to TRRP

Although the NPS has utilized various target values for hydrocarbon contamination in the past, SEM will compare the analytical results of this report to a recognized standard, such as the Texas Risk Reduction Program (TRRP). In doing so, SEM has selected the most stringent values for Protective Concentration Levels (PCLs) from Table 3, Tier 1 Groundwater PCLs, Residential property, 0.5-acre source area. The TRRP figures were last updated March 31, 2004. Note that only the components of the BTEX analysis can be used for target PCLs.

<u>Contaminant</u>	<u>TRRP PCLs</u>
Benzene	51.0 mg/L
Toluene	6,200 mg/L
Ethylbenzene	16,000 mg/L
Xylenes (m,p)	6,700 mg/L

Expressing these constituents in the same units ($\mu\text{g/L}$, or parts per billion) as shown in the laboratory data of this report.

<u>Contaminant</u>	<u>TRRP PCLs</u>
Benzene	51,000 $\mu\text{g/L}$
Toluene	6,200,000 $\mu\text{g/L}$
Ethylbenzene	16,000,000 $\mu\text{g/L}$
Xylenes (m,p)	6,700,000 $\mu\text{g/L}$

The two tables below summarize the groundwater sampling event of August 25th and September 2, 2004.

Summary of Laboratory Results

Table 1
Results of BTEX Analysis

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total xylenes (µg/L)
RW-3	8/25/04	69.5	ND	204	ND
RW-4	8/25/04	99.4	ND	66.4	ND
RW-5	8/25/04	2.28	ND	10.3	ND
OW-1	9/2/04	ND	ND	ND	ND
OW-2	9/2/04	14.6	ND	31.9	ND
OW-6	9/2/04	27.8	ND	168	8.44
OW-8	9/2/04	103	ND	173	7.96
OW-9	9/2/04	ND	ND	57.2	2.48
OW-13	9/2/04	ND	ND	ND	ND
OW-14	9/2/04	ND	ND	ND	ND
OW-17	9/2/04	4	ND	80.1	3.83
P-16	9/2/04	11	ND	53.2	2.77

ND =not detectable by the given method identified
mg/L = milligrams per Liter or parts per million (ppm)
µg/L = micrograms per Liter or parts per billion (ppb)

Table 2
Results of TPH 1005 Analysis

The following table of results shows the total TPH value in three ranges of carbon atoms attached to the hydrocarbon molecule. The total number in the right column is the total of all carbon ranges. These ranges basically indicate light, medium and heavy types of hydrocarbon from all sources.

Sample ID	C6-C12	C12-C28	C28-C35	Total carbon range
RW-3	ND	16.8	ND	16.8
RW-4	ND	6.94	ND	6.94
*RW-5	5.7	125	ND	130.7
OW-1	ND	ND	ND	ND
OW-2	7.51	64.7	ND	72.2
OW-6	ND	15.2	ND	15.2
OW-8	ND	ND	ND	ND
OW-9	ND	23.6	ND	23.6
OW-13	ND	37	ND	37
OW-14	ND	ND	ND	ND
OW-17	126	448	ND	574
P-16	ND	6.84	ND	6.84

All results are in mg/L.

ND =not detectable (<5 mg/L) by the given method identified

*The results from this well are suspect due to several laboratory-type bottles and other trash found in the water column and were removed prior to purging and sampling.

CONCLUSION

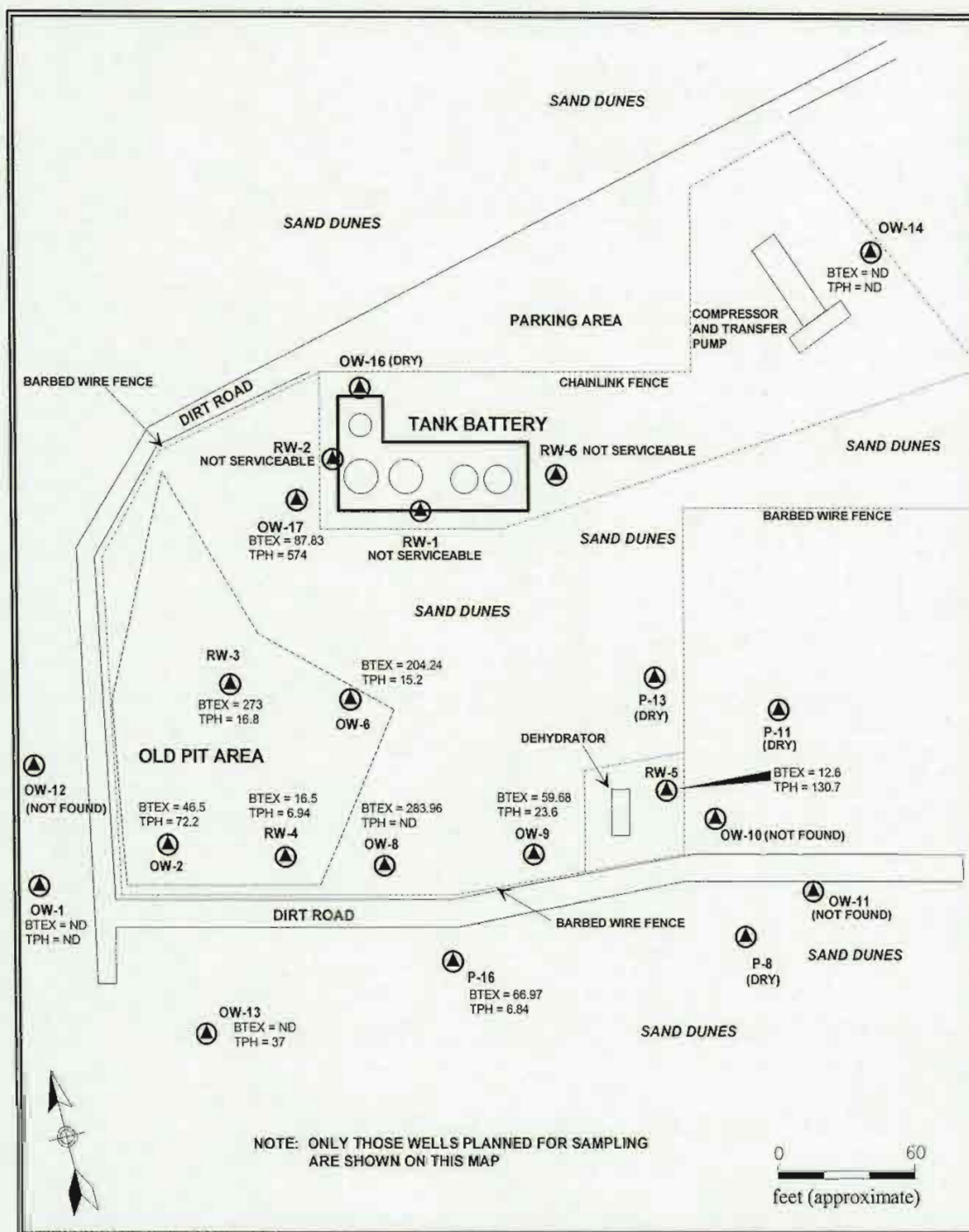
The results of this investigation of the South Sprint facility clearly indicate that the overall contamination levels have been reduced significantly in comparison to past assessments. Phase separated condensate is now a fraction of an inch in thickness and is limited to a portion of the tank battery. Perimeter wells show marginal contamination or no contamination detectable, which indicates that the former plume has not migrated to another location. Once the majority of condensate was removed from the groundwater, the currently observed minor concentrations of dissolved hydrocarbon constituents suggests that natural attenuation is now primarily responsible for the plume reduction. The porous and permeable nature of the sandy soil and the very shallow depth of the groundwater create optimum conditions for chemical degradation of the hydrocarbons.

SEM suggests the following recommendations.

- Monitor groundwater contamination on an annual basis to confirm the progress of natural attenuation to meet the target concentrations set by the NPS.
- SEM does not suggest use of mechanical removal of contaminated topsoil or any type of disturbance of the surface. SEM believes such actions would be counterproductive to the environment, as the existing surface ecosystem appears to be healthy and is contributing to the natural attenuation process.

ATTACHMENTS

SITE MAP WITH ANALYTICAL RESULTS



▲ Monitor well location

RW = Recovery well
OW = Observation well
P = Piezometer

BTEX results are in micrograms per Liter (ppb)
TPH results are in milligrams per Liter (ppm)

December 2004

SITE MAP
Locin Oil Corporation
South Sprint Facility
Padre Island National Seashore

Southern Ecology Management, Inc.

**LABORATORY REPORTS AND
CHAIN OF CUSTODY DOCUMENTATION**



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.

Attn: Tom Freund

Address: 6817 Leopard
Corpus Christi,
TX 78409

Phone: 361 289-1095 **FAX:** 361 289-1098

Report#/Lab ID#: 277367

Report Date: 09/08/04

Project ID: 5240

Sample Name: RW-3

Sample Matrix: water

Date Received: 08/25/2004 **Time:** 14:40

Date Sampled: 08/24/2004 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

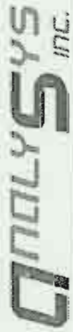
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	08/31/04	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TPH by GC-TX 1005/C35	---	---	---	---	08/31/04	TX 1005	---	---	---	---	---
TPH by GC (>C12-C28)	16.8	mg/L	5	<5	08/31/04	TX 1005	---	12.3	90.7	87.6	87.6
TPH by GC (>C28-C35)	<5	mg/L	5	<5	08/31/04	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (C6-C12)	<5	mg/L	5	<5	08/31/04	TX 1005	---	9.7	72.9	81.6	68.1
TPH by GC (C6-C35)	16.8	mg/L	5	<5	08/31/04	TX 1005	---	10.1	82.1	84.6	77.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240

Sample Name: RW-3

Report#/Lab ID#: 277367

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
I-Chlorooctane	TX 1005	77.3	30-133	---
p-Terphenyl	TX 1005	87.3	41-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.

Attn: Tom Freund

Address: 6817 Leopard
Corpus Christi,

TX 78409

Phone: 361 289-1095 **FAX:** 361 289-1098

Report# / Lab ID#: 277368 **Report Date:** 09/08/04

Project ID: 5240

Sample Name: RW-4

Sample Matrix: water

Date Received: 08/25/2004 **Time:** 14:40

Date Sampled: 08/24/2004 **Time:** 11:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	08/31/04	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TPH by GC-TX 1005/C35	---	---	---	---	08/31/04	TX 1005	---	---	---	---	---
TPH by GC (>C12-C28)	6.94	mg/L	5	<5	08/31/04	TX 1005	---	12.3	90.7	87.6	87.6
TPH by GC (>C28-C35)	<5	mg/L	5	<5	08/31/04	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (C6-C12)	<5	mg/L	5	<5	08/31/04	TX 1005	---	9.7	72.9	81.6	68.1
TPH by GC (C6-C35)	6.94	mg/L	5	<5	08/31/04	TX 1005	---	10.1	82.1	84.6	77.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B = Analyte detected in associated method blank(s), S & S1 = MS and/or MSD recovery exceed advisory limits, S2 = Post digestion spike (PDS) recovery exceeds advisory limit, S3 = MS and/or MSD and PDS recoveries exceed advisory limits, P = Precision higher than advisory limit, M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240
Sample Name: RW-4

Report#/Lab ID#: 277368
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	TX 1005	69.9	30-133	---
p-Terphenyl	TX 1005	77.9	41-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.

Attn: Tom Freund

Address: 6817 Leopard
Corpus Christi,

TX 78409

Phone: 361 289-1095

FAX: 361 289-1098

Report# / Lab ID#: 277369 **Report Date:** 09/08/04

Project ID: 5240

Sample Name: RW-5

Sample Matrix: water

Date Received: 08/25/2004 **Time:** 14:40

Date Sampled: 08/24/2004 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual. 7	Prec. 2	Recov. 3	CCV 4	LCS 4
TPH by GC (TNRCC-ext)	---	---	---	---	08/31/04	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TPH by GC-TX 1005/C35	---	---	---	---	08/31/04	TX 1005	---	---	---	---	---
TPH by GC (>C12-C28)	125	mg/L	5	<5	08/31/04	TX 1005	---	12.3	90.7	87.6	87.6
TPH by GC (>C28-C35)	<5	mg/L	5	<5	08/31/04	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (C6-C12)	5.7	mg/L	5	<5	08/31/04	TX 1005	---	9.7	72.9	81.6	68.1
TPH by GC (C6-C35)	130	mg/L	5	<5	08/31/04	TX 1005	---	10.1	82.1	84.6	77.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240
Sample Name: RW-5

Report#/Lab ID#: 277369
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	TX 1005	61.6	30-133	---
p-Terphenyl	TX 1005	89.3	41-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard
Corpus Christi,
TX 78409

Phone: 361 289-1095 **FAX:** 361 289-1098

Report#/Lab ID#: 277370 **Report Date:** 09/08/04

Project ID: 5240

Sample Name: RW-3

Sample Matrix: water

Date Received: 08/25/2004 **Time:** 14:40

Date Sampled: 08/25/2004 **Time:** 09:15

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					08/31/04	8260b(5030/5035)					
Benzene	69.5	µg/L	1	<1	08/31/04	8260b		4.2	90.3	94	94.3
Ethylbenzene	204	µg/L	1	<1	08/31/04	8260b		1	103.5	103.5	105.8
m,p-Xylenes	<2	µg/L	2	<2	08/31/04	8260b	J	2	104.5	101.6	106.7
o-Xylene	<1	µg/L	1	<1	08/31/04	8260b		1.4	109.4	106.7	114.2
Toluene	<1	µg/L	1	<1	08/31/04	8260b		12.5	97.7	99.5	102.9

QUALITY ASSURANCE DATA 1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240
Sample Name: RW-3

Report#/Lab ID#: 277370
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.7	74-124	---
Toluene-d8	8260b	113	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 277370	Matrix: water	Attn: Tom Freund
Client: Southern Ecology Mgmt.		
Project ID: 5240		
Sample Name: RW-3		

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	J	See J-flag discussion above.

Notes:



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.

Attn: Tom Freund

Address: 6817 Leopard
Corpus Christi,
TX 78409

Phone: 361 289-1095

FAX: 361 289-1098

Report#/Lab ID#: 277371

Report Date: 09/08/04

Project ID: 5240

Sample Name: RW-4

Sample Matrix: water

Date Received: 08/25/2004

Time: 14:40

Date Sampled: 08/25/2004

Time: 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX						8260b(5030/5035)					
Benzene	99.4	µg/L	1	<1	08/31/04	8260b	---	4.2	90.3	94	94.3
Ethylbenzene	66.4	µg/L	1	<1	08/31/04	8260b	---	1	103.5	103.5	105.8
m,p-Xylenes	<2	µg/L	2	<2	08/31/04	8260b	---	2	104.5	101.6	106.7
o-Xylene	<1	µg/L	1	<1	08/31/04	8260b	---	1.4	109.4	106.7	114.2
Toluene	<1	µg/L	1	<1	08/31/04	8260b	---	12.5	97.7	99.5	102.9

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240
Sample Name: RW-4

Report#/Lab ID#: 277371
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.4	74-124	---
Toluene-d8	8260b	115	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard
Corpus Christi, TX 78409

Phone: 361 289-1095 FAX: 361 289-1098

Report# / Lab ID#: 277372 Report Date: 09/08/04

Project ID: 5240

Sample Name: RW-5

Sample Matrix: water

Date Received: 08/25/2004 Time: 14:40

Date Sampled: 08/25/2004 Time: 09:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/31/04	8260b(5030/5035)	---	---	---	---	---
Benzene	2.28	µg/L	1	<1	08/31/04	8260b	---	4.2	90.3	94	94.3
Ethylbenzene	10.3	µg/L	1	<1	08/31/04	8260b	---	1	103.5	103.5	105.8
m,p-Xylenes	<2	µg/L	2	<2	08/31/04	8260b	---	2	104.5	101.6	106.7
o-Xylene	<1	µg/L	1	<1	08/31/04	8260b	J	1.4	109.4	106.7	114.2
Toluene	<1	µg/L	1	<1	08/31/04	8260b	---	12.5	97.7	99.5	102.9

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240
Sample Name: RW-5

Report#/Lab ID#: 277372
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.2	74-124	---
Toluene-d8	8260b	113	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 277372 Matrix: water
Client: Southern Ecology Mgmt.
Project ID: 5240
Sample Name: RW-5

Attn: Tom Freund

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.

Notes:



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt,
Attn: Tom Freund
Address: 6817 Leopard
Corpus Christi,
TX 78409

Phone: 361 289-1095 **FAX:** 361 289-1098

Report# / Lab ID#: 277373 **Report Date:** 09/08/04

Project ID: 5240

Sample Name: T.B. (8/24/04)

Sample Matrix: water

Date Received: 08/25/2004 **Time:** 14:40

Date Sampled: not on C-O-C **Time:** 00:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL 5	Blank	Date	Method 6	Data Qual. 7	Prec. 2	Recov. 3	CCV 4	LCS 4
Volatiles organics-8260b/BTEX	---		---		08/28/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/28/04	8260b	---	4.2	90.3	94	94.3
Ethylbenzene	<1	µg/L	1	<1	08/28/04	8260b	---	1	103.5	103.5	105.8
m,p-Xylenes	<2	µg/L	2	<2	08/28/04	8260b	---	2	104.5	101.6	106.7
o-Xylene	<1	µg/L	1	<1	08/28/04	8260b	---	1.4	109.4	106.7	114.2
Toluene	<1	µg/L	1	<1	08/28/04	8260b	---	12.5	97.7	99.5	102.9

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240
Sample Name: T.B. (8/24/04)

Report#/Lab ID#: 277373
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86	74-124	---
Toluene-d8	8260b	113	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard
Corpus Christi, TX 78409
Phone: 361 289-1095 FAX: 361 289-1098

Report# / Lab ID#: 277640 Report Date: 09/16/04
Project ID: 5240
Sample Name: OW-1
Sample Matrix: water
Date Received: 09/03/2004 Time: 09:00
Date Sampled: 09/02/2004 Time: 14:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	09/14/04	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TPH by GC-TX 1005/C35	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
Volatiles organics-8260b/BTEX	---	---	---	---	09/09/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/09/04	8260b	---	3.7	88.8	89.8	88.6
Ethylbenzene	<1	µg/L	1	<1	09/09/04	8260b	---	3.3	103.5	101.9	101.7
m,p-Xylenes	<2	µg/L	2	<2	09/09/04	8260b	---	3.2	104.3	99.6	100.4
o-Xylene	<1	µg/L	1	<1	09/09/04	8260b	---	0.2	106.7	101.4	103.6
Toluene	<1	µg/L	1	<1	09/09/04	8260b	---	2.4	100.9	97	97.4
TPH by GC (>C12-C28)	<5	mg/L	5	<5	09/14/04	TX 1005	---	10	89	89.6	80.4
TPH by GC (>C28-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/14/04	TX 1005	---	17.6	76	91.6	69
TPH by GC (C6-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	14.4	82.9	90.6	74.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.	Project ID: 5240	Report#/Lab ID#: 277640
Attn: Tom Freund	Sample Name: OW-1	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	74-124	---
Toluene-d8	8260b	110	89-115	---
1-Chlorooctane	TX 1005	66.4	42-122	---
p-Terphenyl	TX 1005	98.2	39-125	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Southern Ecology Mgmt.

Attn: Tom Freund

Address: 6817 Leopard
Corpus Christi, TX 78409

Phone: 361 289-1095

FAX: 361 289-1098

Report# / Lab ID#: 277641

Report Date: 09/16/04

Project ID: 5240

Sample Name: OW-2

Sample Matrix: water

Date Received: 09/03/2004

Time: 09:00

Date Sampled: 09/02/2004

Time: 14:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
TPH by GC-TX 1005/C35	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
Volatiles organics-8260b/BTEX	---	---	---	---	09/09/04	8260b(5030/5035)	---	---	---	---	---
Benzene	14.6	µg/L	1	<1	09/09/04	8260b	---	3.7	88.8	89.8	88.6
Ethylbenzene	31.9	µg/L	1	<1	09/09/04	8260b	---	3.3	103.5	101.9	101.7
m,p-Xylenes	<2	µg/L	2	<2	09/09/04	8260b	J	3.2	104.3	99.6	100.4
o-Xylene	<1	µg/L	1	<1	09/09/04	8260b	---	0.2	106.7	101.4	103.6
Toluene	<1	µg/L	1	<1	09/09/04	8260b	---	2.4	100.9	97	97.4
TPH by GC (>C12-C28)	64.7	mg/L	5	<5	09/14/04	TX 1005	---	10	89	89.6	80.4
TPH by GC (>C28-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	---	---	---	---
TPH by GC (C6-C12)	7.51	mg/L	5	<5	09/14/04	TX 1005	---	17.6	76	91.6	69
TPH by GC (C6-C35)	72.2	mg/L	5	<5	09/14/04	TX 1005	---	14.4	82.9	90.6	74.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt. Attn: Tom Freund	Project ID: 5240 Sample Name: OW-2	Report#/Lab ID#: 277641 Sample Matrix: water
--	---------------------------------------	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.2	74-124	---
Toluene-d8	8260b	106	89-115	---
1-Chlorooctane	TX 1005	79.6	42-122	---
p-Terphenyl	TX 1005	102	39-125	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 277641 Matrix: water
Client: Southern Ecology Mgmt.
Project ID: 5240
Sample Name: OW-2
Attn: Tom Freund

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$
The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.

☐ Sample received in appropriate container(s). State of sample preservation unknown.

☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Parameter	Qualif	Comment
m.p.X ₁ lenses	J	See J-flag discussion above.

1. The first step in the process of creating a new product is to identify a market need. This involves conducting market research to understand what consumers want and what gaps exist in the current market. Once a need is identified, the next step is to develop a concept that addresses this need. This is often done through brainstorming sessions and the creation of a prototype. The third step is to conduct a feasibility study to determine if the concept is viable. This involves assessing the technical, financial, and market aspects of the idea. If the study is positive, the next step is to develop a business plan. This plan outlines the company's goals, strategies, and financial projections. Finally, the product is launched into the market, and the company monitors its performance and makes adjustments as needed.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Southern Ecology Mgmt.

Attn: Tom Freund

Address: 6817 Leopard

Corpus Christi,

TX 78409

Phone: 361 289-1095

FAX: 361 289-1098

Report# / Lab ID#: 277642 Report Date: 09/16/04

Project ID: 5240

Sample Name: OW-6

Sample Matrix: water

Date Received: 09/03/2004 Time: 09:00

Date Sampled: 09/02/2004 Time: 14:50

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	QUALITY ASSURANCE DATA ¹			
							Data Qual. ⁷	Prec. ²	Recov. ³	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	09/14/04	TX 1005	---	---	---	---
TPH by GC-TX 1005/C35	---	---	---	---	09/14/04	TX 1005	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	09/09/04	8260b(5030/5035)	---	---	---	---
Benzene	27.8	µg/L	1	<1	09/09/04	8260b	---	3.7	88.8	88.6
Ethylbenzene	168	µg/L	1	<1	09/09/04	8260b	---	3.3	103.5	101.7
m,p-Xylenes	8.44	µg/L	2	<2	09/09/04	8260b	---	3.2	104.3	99.6
o-Xylene	<1	µg/L	1	<1	09/09/04	8260b	J	0.2	106.7	101.4
Toluene	<1	µg/L	1	<1	09/09/04	8260b	---	2.4	100.9	97
TPH by GC (>C12-C38)	13.2	mg/L	5	<5	09/14/04	TX 1005	---	10	89	80.4
TPH by GC (>C28-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	---	---	---
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/14/04	TX 1005	J	17.6	76	91.6
TPH by GC (C6-C35)	15.2	mg/L	5	<5	09/14/04	TX 1005	---	14.4	82.9	90.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

DW

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B = Analyte detected in associated method blank(s), S & S1 = MS and/or MSD recovery exceed advisory limits, S2 = Post digestion Spike (PDS) recovery exceeds advisory limit, S3 = MS and/or MSD and PDS recoveries exceed advisory limits, P = Precision higher than advisory limit, M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 * FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240
Sample Name: OW-6

Report#/Lab ID#: 277642
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.2	74-124	---
Toluene-d8	8260b	109	89-115	---
1-Chlorooctane	TX 1005	65.4	42-122	---
p-Terphenyl	TX 1005	99.5	39-125	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 277642 Matrix: Water Attn: Tom Freund
Client: Southern Ecology Mgmt.
Project ID: 5240
Sample Name: OW-6

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

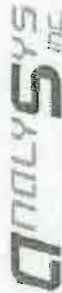
J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (ROL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.
TPH by GC (C6-C12)	J	See J-flag discussion above.

Notes:



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard
Corpus Christi, TX 78409
Phone: 361 289-1095 FAX: 361 289-1098

Report#/Lab ID#: 277643 Report Date: 09/16/04
Project ID: 5240
Sample Name: OW-8
Sample Matrix: water
Date Received: 09/03/2004 Time: 09:00
Date Sampled: 09/02/2004 Time: 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recovery ³	CCV ⁴	LCS ¹
TPH by GC (TNRCC-ex)	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
TPH by GC-TX 1005/C35	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	09/09/04	8260b(5030/5035)	---	---	---	---	---
Benzene	103	µg/L	1	<1	09/09/04	8260b	---	3.7	88.8	89.8	88.6
Ethylbenzene	173	µg/L	1	<1	09/09/04	8260b	---	3.3	103.5	101.9	101.7
m,p-Xylenes	7.96	µg/L	2	<2	09/09/04	8260b	---	3.2	104.3	99.6	100.4
o-Xylene	<1	µg/L	1	<1	09/09/04	8260b	---	0.2	106.7	101.4	103.6
Toluene	<1	µg/L	1	<1	09/09/04	8260b	---	2.4	100.9	97	97.4
TPH by GC (>C12-C28)	<5	mg/L	5	<5	09/14/04	TX 1005	J	10	89	89.6	80.4
TPH by GC (>C28-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	---	---	---	---
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/14/04	TX 1005	---	---	---	---	---
TPH by GC (C6-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	J	14.4	82.9	90.6	74.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt. Attn: Tom Freund	Project ID: 5240 Sample Name: OW-8	Report#/Lab ID#: 277643 Sample Matrix: water
--	---------------------------------------	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98	74-124	---
Toluene-d8	8260b	111	89-115	---
1-Chlorooctane	TX 1005	65.2	42-122	---
p-Terphenyl	TX 1005	99.6	39-125	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 277643 Matrix: water Attn: Tom Freund
Client: Southern Ecology Mgmt.
Project ID: 5240
Sample Name: OW-8

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GF-AA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

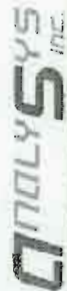
J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (>C12-C28)	J	See J-flag discussion above.
TPH by GC (C6-C35)	J	See J-flag discussion above.

Notes:



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard
Corpus Christi, TX 78409
Phone: 361 289-1095 FAX: 361 289-1098

Report# / Lab ID#: 277644 Report Date: 09/16/04
Project ID: 5240
Sample Name: OW-9
Sample Matrix: water
Date Received: 09/03/2004 Time: 09:00
Date Sampled: 09/02/2004 Time: 15:10

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
TPH by GC-TX 1005/C35	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
Volatiles organics-8260b/BTEX	---	---	---	---	09/09/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/09/04	8260b	J	3.7	88.8	89.8	88.6
Ethylbenzene	57.2	µg/L	1	<1	09/09/04	8260b	---	3.3	103.5	101.9	101.7
m,p-Xylenes	2.48	µg/L	2	<2	09/09/04	8260b	---	3.2	104.3	99.6	100.4
o-Xylene	<1	µg/L	1	<1	09/09/04	8260b	---	0.2	106.7	101.4	103.6
Toluene	<1	µg/L	1	<1	09/09/04	8260b	---	2.4	100.9	97	97.4
TPH by GC (>C12-C28)	23.6	mg/L	5	<5	09/14/04	TX 1005	---	10	89	89.6	80.4
TPH by GC (>C28-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	---	---	---	---
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/14/04	TX 1005	J	17.6	76	91.6	69
TPH by GC (C6-C35)	23.6	mg/L	5	<5	09/14/04	TX 1005	---	14.4	82.9	90.6	74.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240
Sample Name: OW-9

Report#/Lab ID#: 277644
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.1	74-124	---
Toluene-d8	8260b	106	89-115	---
1-Chlorooctane	TX 1005	86.6	42-122	---
p-Terphenyl	TX 1005	102	39-125	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 277644	Matrix: water	Attn: Tom Freund
Client: Southern Ecology Mgmt.		
Project ID: 5240		
Sample Name: OW-9		

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GF/A and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (ROL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.
TPH by GC (C6-C12)	J	See J-flag discussion above.

Notes:



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard TX 78409
Corpus Christi.
Phone: 361 289-1095 FAX: 361 289-1098

Report#/Lab ID#: 277645 Report Date: 09/16/04
Project ID: 5240
Sample Name: OW-13
Sample Matrix: water
Date Received: 09/03/2004 Time: 09:00
Date Sampled: 09/02/2004 Time: 15:20

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
TPH by GC-TX 1005/C35	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
Volatiles organics-8260b/BTEX	---	---	---	---	09/09/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/09/04	8260b	---	3.7	88.8	89.8	88.6
Ethylbenzene	<1	µg/L	1	<1	09/09/04	8260b	---	3.3	103.5	101.9	101.7
m,p-Xylenes	<2	µg/L	2	<2	09/09/04	8260b	---	3.2	104.3	99.6	100.4
o-Xylene	<1	µg/L	1	<1	09/09/04	8260b	---	0.2	106.7	101.4	103.6
Toluene	<1	µg/L	1	<1	09/09/04	8260b	---	2.4	100.9	97	97.4
TPH by GC (>C12-C28)	37	mg/L	5	<5	09/14/04	TX 1005	---	10	89	89.6	80.4
TPH by GC (>C28-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	---	---	---	---
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/14/04	TX 1005	J	17.6	76	91.6	69
TPH by GC (C6-C35)	37	mg/L	5	<5	09/14/04	TX 1005	---	14.4	82.9	90.6	74.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (<) values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & SI = MS and/or MSD recovery exceeds advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Southern Ecology Mgmt. Attn: Tom Freund	Project ID: 5240 Sample Name: OW-13	Report#/Lab ID#: 277645 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	74-124	---
Toluene-d8	8260b	110	89-115	---
1-Chlorooctane	TX 1005	78.9	42-122	---
p-Terphenyl	TX 1005	86.7	39-125	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 277645	Matrix: water	Attn: Tom Freund
Client: Southern Ecology Mgmt.		
Project ID: 5240		
Sample Name: OW-13		

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (unconnected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (C6-C12)	J	See J-flag discussion above.

Notes:



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard TX 78409
Corpus Christi.
Phone: 361 289-1095 FAX: 361 289-1098

Report#/Lab ID#: 277646 Report Date: 09/16/04
Project ID: 5240
Sample Name: OW-14
Sample Matrix: water
Date Received: 09/03/2004 Time: 09:00
Date Sampled: 09/02/2004 Time: 14:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
TPH by GC-TX 1005/C35	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	09/09/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/09/04	8260b	---	3.7	88.8	89.8	88.6
Ethylbenzene	<1	µg/L	1	<1	09/09/04	8260b	---	3.3	103.5	101.9	101.7
m,p-Xylenes	<2	µg/L	2	<2	09/09/04	8260b	---	3.2	104.3	99.6	100.4
o-Xylene	<1	µg/L	1	<1	09/09/04	8260b	---	0.2	106.7	101.4	103.6
Toluene	<1	µg/L	1	<1	09/09/04	8260b	---	2.4	100.9	97	97.4
TPH by GC (>C12-C28)	<5	mg/L	5	<5	09/14/04	TX 1005	---	10	89	89.6	80.4
TPH by GC (>C28-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	---	---	---	---
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/14/04	TX 1005	---	17.6	76	91.6	69
TPH by GC (C6-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	14.4	82.9	90.6	74.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (RECOV) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 * FAX (512) 385-7411

Client: Southern Ecology Mgmt. Attn: Tom Freund	Project ID: 5240 Sample Name: OW-14	Report#/Lab ID#: 277646 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	110	74-124	---
Toluene-d8	8260b	106	89-115	---
1-Chlorooctane	TX 1005	78.4	42-122	---
p-Terphenyl	TX 1005	93.3	39-125	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard TX 78409
Corpus Christi,
Phone: 361 289-1095 FAX: 361 289-1098

Report#/Lab ID#: 277647 Report Date: 09/16/04
Project ID: 5240
Sample Name: OW-17
Sample Matrix: water
Date Received: 09/03/2004 Time: 09:00
Date Sampled: 09/02/2004 Time: 14:20

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
TPH by GC-TX 1005/C35	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	09/09/04	8260b(3030/5035)	---	---	---	---	---
Benzene	4	µg/L	1	<1	09/09/04	8260b	---	3.7	88.8	89.8	88.6
Ethylbenzene	80.1	µg/L	1	<1	09/09/04	8260b	---	3.3	103.5	101.9	101.7
m,p-Xylenes	3.83	µg/L	2	<2	09/09/04	8260b	---	3.2	104.3	99.6	100.4
o-Xylene	<1	µg/L	1	<1	09/09/04	8260b	---	0.2	106.7	101.4	103.6
Toluene	<1	µg/L	1	<1	09/09/04	8260b	---	2.4	100.9	97	97.4
TPH by GC (>C12-C28)	448	mg/L	50	<50	09/15/04	TX 1005	---	10	89	89.6	80.4
TPH by GC (>C28-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	---	---	---	---
TPH by GC (C6-C12)	126	mg/L	50	<50	09/15/04	TX 1005	---	17.6	76	91.6	69
TPH by GC (C6-C35)	574	mg/L	50	<50	09/15/04	TX 1005	---	14.4	82.9	90.6	74.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt. Attn: Tom Freund	Project ID: 5240 Sample Name: OW-17	Report#/Lab ID#: 277647 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.1	74-124	---
Toluene-d8	8260b	108	89-115	---
1-Chlorooctane	TX 1005	247	42-122	X
p-Terphenyl	TX 1005	79.8	39-125	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 277647 Matrix: water
Client: Southern Ecology Mgmt. Attn: Tom Freund
Project ID: 5240
Sample Name: OW-17

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA, and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (ROL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "bit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1-Chlorooctane	X	Surrogate recovery outside advisory/acceptance limits. Typically, for samples with TPH/1005 hits, high recoveries are due to co-elution of
1-Chlorooctane	X	hydrocarbons from the sample at the same retention time as the surrogate

Notes:



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard
Corpus Christi,
TX 78409

Phone: 361 289-1095 FAX: 361 289-1098

Report#/Lab ID#: 277648 Report Date: 09/16/04
Project ID: 5240
Sample Name: P-16
Sample Matrix: water
Date Received: 09/03/2004 Time: 09:00
Date Sampled: 09/02/2004 Time: 15:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (TNRCC-ext)	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
TPH by GC-TX 1005/C35	---	---	---	---	09/14/04	TX 1005	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	09/09/04	8260b(5030/5035)	---	---	---	---	---
Benzene	11	µg/L	1	<1	09/09/04	8260b	---	3.7	88.8	89.8	88.6
Ethylbenzene	53.2	µg/L	1	<1	09/09/04	8260b	---	3.3	103.5	101.9	101.7
m,p-Xylenes	2.77	µg/L	2	<2	09/09/04	8260b	---	3.2	104.3	99.6	100.4
o-Xylene	<1	µg/L	1	<1	09/09/04	8260b	---	0.2	106.7	101.4	103.6
Toluene	<1	µg/L	1	<1	09/09/04	8260b	---	2.4	100.9	97	97.4
TPH by GC (>C12-C28)	6.84	mg/L	5	<5	09/14/04	TX 1005	---	10	89	89.6	80.4
TPH by GC (>C28-C35)	<5	mg/L	5	<5	09/14/04	TX 1005	---	---	---	---	---
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/14/04	TX 1005	---	17.6	76	91.6	69
TPH by GC (C6-C35)	6.84	mg/L	5	<5	09/14/04	TX 1005	---	14.4	82.9	90.6	74.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund

Project ID: 5240
Sample Name: P-16

Report#/Lab ID#: 277648
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	74-124	---
Toluene-d8	8260b	105	89-115	---
1-Chlorooctane	TX 1005	77.6	42-122	---
p-Terphenyl	TX 1005	85.3	39-125	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt.
Attn: Tom Freund
Address: 6817 Leopard TX 78409
Corpus Christi,
Phone: 361 289-1095 FAX: 361 289-1098

Report#/Lab ID#: 277649 Report Date: 09/16/04
Project ID: 5240
Sample Name: T.B. (9-2-04)
Sample Matrix: water
Date Received: 09/03/2004 Time: 09:00
Date Sampled: not on C-O-C Time: 00:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		09/08/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/08/04	8260b	---	3.7	88.8	89.8	88.6
Ethylbenzene	<1	µg/L	1	<1	09/08/04	8260b	---	3.3	103.5	101.9	101.7
m,p-Xylenes	<2	µg/L	2	<2	09/08/04	8260b	---	3.2	104.3	99.6	100.4
o-Xylene	<1	µg/L	1	<1	09/08/04	8260b	---	0.2	106.7	101.4	103.6
Toluene	<1	µg/L	1	<1	09/08/04	8260b	---	2.4	100.9	97	97.4

QUALITY ASSURANCE DATA¹

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Dale Wagner

Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (<) values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Southern Ecology Mgmt. Attn: Tom Freund	Project ID: 5240 Sample Name: T.B. (9-2-04)	Report#/Lab ID#: 277649 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	74-124	---
Toluene-d8	8260b	109	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

CHAIN-CUSTODY

www.analysysinc.com

Send Reports To:

Company Name SOUTHERN ECOLOGY MGMT
 Address P.O. Box 10412
 City CC State TX Zip 78460-0412
 ATTN: TOM FREUND
 Phone 361 289 1095 Fax 289 -1098
 Project Name/PO#: 5240 Sampler TOM FREUND

Samples/projects intended for TCEQ-TRRP completion require special handling. QC requirements and pricing. To Be successfully completed such projects should be identified and discussed prior to receipt and **MUST BE IDENTIFIED** on this Chain-of-Custody under "special instructions".

10475



3512 Montopolis Drive, Austin, TX
 78744 Ph: (512) 385-5886 Fax: (512) 385-7411

2209 N. Padre Island Dr. Ste K, Corpus Christi, TX 78408 Ph: (361) 289-6384 Fax: (361) 289-0875

Bill To (if different):

Company Name SAME
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____

P 1/2

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers Shipped	Composite Grab	Lab I.D. # (Lab Only)	Ice	HNO3	HCL	ZnAc/NaOH	H2SO4 Glass	None	Other (Specify)	Water	Wastewater	Waste	Soil	Other (Specify)	BTEX	TPH (1005)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
---	--------------	--------------	------------------------------	-------------------	--------------------------	-----	------	-----	-----------	-------------	------	-----------------	-------	------------	-------	------	-----------------	------	------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Special Instructions (such as special QC requirements, lists, methods, etc.)

* DW-17 HAD THIN CONDENSATE PHASE IN WELL

Sample Relinquished By				Sample Received By				Temperature upon receipt (Consistent with NELAC sec. 5.11) (>0-6°C)	YES	NO
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time			
TOM FREUND	SEM	9/3/04	0900	DAVID N. AS	AS	9/3/04	0900	✓		
				DAVID N. AS	AS	9/3/04	1000			

(Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.)

FIELD SAMPLING DATA SHEETS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: OW-1 Casing Dia. 1 1/2 in
Date: 09/02/04 Time: 14:20 ID#: _____
Weather: Cloudy, Lt Rain Temp. F : 78
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 8.90 ft SW: 4.89 ft WC: 4.01 ft Purged Vol: 1.08 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
14:23	30.1	1828	NA	6.85	NA	NA
14:26	30.3	1920		6.83		
14:29	30.1	2050		6.81		

Comments: _____

Sampling Time: 14:30 Date: 09/02/04

Well inspection comments: GOOD CONDITION

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: OW-2 Casing Dia. 1 1/2 in
Date: 09/02/04 Time: 14:30 ID#: _____
Weather: Cloudy Temp. F : 82
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 8.90 ft SW: 5.46 ft WC: 3.44 ft Purged Vol: 0.9 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
14:32	29.9	1328	NA	6.80	NA	NA
14:35	31.0	1307		6.77		
14:38	31.2	1315		6.79		

Comments: _____

Sampling Time: 14:40 Date: 09/02/04

Well inspection comments: GOOD CONDITION

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: OW-6 Casing Dia. 1 1/2 in
Date: 09/02/04 Time: 14:40 ID#: _____
Weather: Cloudy Temp. F: 82
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 8.88 ft SW: 6.00 ft WC: 2.88 ft Purged Vol: 0.75 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
14:42	29.4	1365	NA	6.58	NA	NA
14:45	29.3	1340		6.55		
14:48	29.1	1338		6.53		

Comments: _____

Sampling Time: 14:50 Date: 09/02/04

Well inspection comments: GOOD CONDITION

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

**LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004**

MW ID: OW-8 Casing Dia. 1 1/2 in
 Date: 09/02/04 Time: 14:45 ID#: _____
 Weather: Cloudy Temp. F: 82
 Sampling Team: Freund / Supak
 Frequency: _____ Quarterly _____ Semi-annual _____ Annual
 Event Phase: _____ Background _____ Detection
 _____ Other X Assessment
 TD: 8.88 ft SW: 6.20 ft WC: 2.68 ft Purged Vol: 0.7 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
14:47	31.2	1467	NA	6.54	NA	NA
14:51	30.9	1428		6.51		
14:55	30.8	1455		6.52		

Comments: _____

Sampling Time: 15:00 Date: 09/02/04

Well inspection comments: GOOD CONDITION

POC: POINT OF COMPLIANCE WELLS
 B: BACKGROUND WELLS
 COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: OW-9 Casing Dia. 1 1/2 in
Date: 09/02/04 Time: 15:00 ID#: _____
Weather: Cloudy Temp. F: 82
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 8.90 ft SW: 5.78 ft WC: 3.12 ft Purged Vol: 0.84 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
15:02	30.6	1313	NA	6.60	NA	NA
15:05	30.4	1325				
15:08	30.2	1309				

Comments: _____

Sampling Time: 15:10 Date: 09/02/04

Well inspection comments: GOOD CONDITION

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: OW-13

Casing Dia. 1 1/2 in

Date: 09/02/04

Time: 15:10

ID#: _____

Weather: Cloudy

Temp. F : 82

Sampling Team: Freund / Supak

Frequency: _____ Quarterly _____ Semi-annual _____ Annual

Event Phase: _____ Background _____ Detection

_____ Other _____ X _____ Assessment

TD: 9.41 ft

SW: 5.61 ft

WC: 3.80 ft Purged Vol: 1.03 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
15:12	29.7	767.0	NA	6.82	NA	NA
15:15	29.5	759.3		6.84		
15:18	29.1	771.5		6.86		

Comments: _____

Sampling Time: 15:20

Date: 09/02/04

Well inspection comments: NO CAP ON CASING

POC: POINT OF COMPLIANCE WELLS

B: BACKGROUND WELLS

COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: OW-14 Casing Dia. 1 1/2 in
Date: 08/25/04 Time: 13:45 ID#: _____
Weather: Cloudy Temp. F: 82
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 8.84 ft SW: 5.20 ft WC: 3.64 ft Purged Vol: 1.0 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
13:50	31.4	1066	NA	6.19	NA	NA
13:54	31.1	1101		6.15		
13:58	31.2	1115		6.14		

Comments: _____

Sampling Time: 14:00 Date: 09/02/04

Well inspection comments: NO CAP ON CASING

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: OW-16 Casing Dia. 1 1/2 in
Date: 08/25/04 Time: 14:00 ID#: _____
Weather: Cloudy Temp. F: 82
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 7.30 ft SW: 6.66 ft WC: 0.64 ft Purged Vol: 0.17 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)

Comments: PHASE - SLIGHT SHEEN, WILL NOT CLEAR OF BIOMASS - NO SAMPLE

Sampling Time: NA Date: 09/02/04

Well inspection comments: ONLY 7" WATER PRIOR TO PURGING - DARK STAGNANT WATER
NO FORMATION WATER RECHARGE

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: OW-17 Casing Dia. 1 1/2 in
Date: 09/02/04 Time: 14:10 ID#: _____
Weather: Cloudy Temp. F: 82
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 8.35 ft SW: 5.18 ft WC: 3.17 ft Purged Vol: 0.86 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)

Comments: LNAPLs ~ 1/16" THICK
* NO FIELD PARAMETERS TAKEN DUE TO CONDENSATE IN WELL

Sampling Time: 14:20 Date: 09/02/04

Well inspection comments: WELL DIRECTLY UNDER LARGE HORIZONTAL PIPE.
ACCESS TO WELL DIFFICULT.

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: P-8 Casing Dia. 3/4 in
Date: 09/02/04 Time: 14:45 ID#: _____
Weather: Cloudy Temp. F: 82
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 18.10 ft SW: 9.31 ft WC: 8.79 ft Purged Vol: 0.5 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)

Comments: DRY HOLE - NOT SERVICEABLE WELL

Sampling Time: NA Date: _____

Well inspection comments: WELL SILTED IN. ALMOST NO RECHARGE.

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: P-13 Casing Dia. 3/4 in
Date: 09/02/04 Time: 15:00 ID#: _____
Weather: Cloudy Temp. F: 82
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 13.20 ft SW: DRY WC: NA Purged Vol: NA

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)

Comments: DRY HOLE - NOT SERVICEABLE WELL

Sampling Time: NA Date: _____

Well inspection comments: NO WATER

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: P-16 Casing Dia. 3/4 in
Date: 09/02/04 Time: 15:10 ID#: _____
Weather: Cloudy Temp. F: 82
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 14.89 ft SW: 9.32 ft WC: 5.57 ft Purged Vol: 0.33 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
15:20	22.7	1148	NA	6.84	NA	NA
15:23	22.5	1185		6.81		
15:26	22.4	1161		6.80		

Comments: _____

Sampling Time: 15:30 Date: 09/02/04

Well inspection comments: GOOD CONDITION

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: RW-1 Casing Dia. 6 in
Date: 08/24/04 Time: 08:40 ID#:
Weather: P.C., Humid Temp. F: 90
Sampling Team: Freund / Supak
Frequency: Quarterly Semi-annual Annual
Event Phase: Background Detection
 Other X Assessment
TD: 8.98 ft SW: 7.83 ft WC: 1.15 ft Purged Vol: 5.0 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
12:18	33.3	1664	NA	6.86	NA	NA
12:21	32.1	1600		6.84		
12:24	31.5	1567		6.80		

Comments: SAMPLE NOT REPRESENTATIVE OF AQUIFER CONDITIONS.

SAMPLE NOT TAKEN TO LAB.

Sampling Time: 12:30 Date: 08/24/04

Well inspection comments: WELL STAGNANT, ANAEROBIC, WELL SCREEN CLOGGED
WITH BIOMASS

POC: POINT OF COMPLIANCE WELLS

B: BACKGROUND WELLS

COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: RW-2 Casing Dia. 6 in
Date: 08/24/04 Time: 09:00 ID#: _____
Weather: P.C., Humid Temp. F: 92
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 9.00 ft SW: 7.18 ft WC: 1.82 ft Purged Vol: 8.0 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
12:45	30.7	1653	NA	7.15	NA	NA
12:50	29.8	1670		7.06		
12:55	29.4	1669		7.01		

Comments: SAMPLE NOT REPRESENTATIVE OF AQUIFER CONDITIONS.

SAMPLE NOT TAKEN TO LAB.

Sampling Time: 13:00 Date: 08/24/04

Well inspection comments: WELL STAGNANT, ANAEROBIC, WELL SCREEN CLOGGED
WITH BIOMASS

POC: POINT OF COMPLIANCE WELLS

B: BACKGROUND WELLS

COR: CORRECTIVE ACTION OBSERVATION WELLS

**LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004**

MW ID: RW-3 Casing Dia. 6 in
 Date: 08/24/04 Time: 09:50 ID#: _____
 Weather: P.C., Humid Temp. F : 92
 Sampling Team: Freund / Supak
 Frequency: _____ Quarterly _____ Semi-annual _____ Annual
 Event Phase: _____ Background _____ Detection
 _____ Other _____ X _____ Assessment
 TD: 8.42 ft SW: 5.70 ft WC: 2.72 ft Purged Vol: 12.0 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
11:29	32.1	1367	NA	6.24	NA	NA
11:32	31.0	1356		6.26		
11:35	30.3	1358		6.28		

Comments: NO LNAPLs

Sampling Time: (TPH) 11:30 Date: 08/24/04
 (BTEX) 09:15 08/25/04

Well inspection comments: WELL STAGNANT, BUT ABLE TO RECHARGE SLOWLY

POC: POINT OF COMPLIANCE WELLS
 B: BACKGROUND WELLS
 COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: RW-4 Casing Dia. 6 in
Date: 08/24/04 Time: 11:00 ID#: _____
Weather: P.C., Humid Temp. F: 92
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 8.90 ft SW: 5.72 ft WC: 3.18 ft Purged Vol: 14.0 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
11:15	32.1	1670	NA	6.11	NA	NA
11:20	31.6	1640		6.08		
11:25	31.3	1619		6.09		

Comments: NO PHASE

Sampling Time: (TPH) 11:25 Date: 08/24/04
(BTEx) 09:30 08/25/04

Well inspection comments: WELL STAGNANT - ABLE TO RECHARGE

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: RW-5 Casing Dia. 6 in
Date: 08/24/04 Time: 11:40 ID#: _____
Weather: P.C., Humid Temp. F: 92
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 8.91 ft SW: 7.10 ft WC: 1.81 ft Purged Vol: 8.0 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
11:45	32.4	1757	NA	6.27	NA	NA
11:48	32.2	1747		6.25		
11:51	32.1	1741		6.28		

Comments: NO LNAPLs

Sampling Time: (TPH) 12:00 Date: 08/24/04
(BTEX) 09:45 08/25/04

Well inspection comments: STAGNANT WITH PLASTIC BOTTLES AND BIOMASS
ABLE TO RECHARGE

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

LOCIN OIL CORPORATION
SOUTH SPRINT FACILITY
Field Sampling Data Sheet
September 2004

MW ID: RW-6 Casing Dia. 6 in
Date: 08/24/04 Time: 08:30 ID#: _____
Weather: P.C., Humid Temp. F: 85
Sampling Team: Freund / Supak
Frequency: _____ Quarterly _____ Semi-annual _____ Annual
Event Phase: _____ Background _____ Detection
_____ Other X Assessment
TD: 8.89 ft SW: 7.22 ft WC: 1.67 ft Purged Vol: 7.36 gal

Field Data Measurement

Time	Temperature (C°)	Conductivity (uS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
12:06	32.9	2007	NA	6.74	NA	NA
12:09	31.2	2005		6.77		
12:12	30.6	1988		6.78		

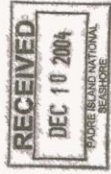
Comments: SAMPLE NOT REPRESENTATIVE OF AQUIFER CONDITIONS
SAMPLE NOT TAKEN TO LAB

Sampling Time: 12:15 Date: 08/24/04

Well inspection comments: STAGNANT WATER, ANAEROBIC, WELL SCREEN CLOGGED
WITH BIOMASS

POC: POINT OF COMPLIANCE WELLS
B: BACKGROUND WELLS
COR: CORRECTIVE ACTION OBSERVATION WELLS

Southern Ecology Management, Inc.
P.O. Box 10412
Corpus Christi, TX 78460-0412



Padre Island National Seashore
P.O. Box 181300
Corpus Christi, TX 78480
Attn: Ms. Arlene Wimer

PARCEL POST

PARCEL POST