TERRASAT, INC.
1413 West 31st Ave., Anchorage, AK 99503 Phone: 907 344 9370 Fax: 907 344 1490
Geological Consulting • Environmental Restoration • Regulatory Compliance

Phase II

Environmental Site Assessment

Independent Lift Truck of Alaska

1200 East 70th Avenue

Anchorage, AK

Prepared for:
Independent Lift Truck of Alaska
1200 East 70th Avenue
Anchorage, AK 99518

Prepared by:
TERRASAT, INC.
1413 W. 31st Ave.
Anchorage, AK 99503

March 16, 2001

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1.0 Summary

During January 2001, TERRASAT, Inc. was contracted by *Independent Lift Truck of Alaska* to conduct a Phase I Environmental Site Assessment at their property located at 1200 East 70th Avenue, Anchorage, AK. The potential areas of environmental concern identified during our initial investigation include:

- Potential contamination associated with three areas of discolored soil in the yard south of the main building. Waste oil contamination was suspected based on persistent discolored soil observed on the May 2000, and September 1997 aerial photos.
- Potential contamination associated with former aboveground storage tanks (AST's) located on the western portion of the lot in the late 80's and early 90's.

As part of our Phase II work, TERRASAT, INC. excavated three test borings in the yard south of the building to evaluate the potential for contamination associated with the discolored soil and AST's observed in aerial photographs. The two most significant of the three areas of discolored soil were investigated with the previous recommendation that the third would be investigated if further action was deemed necessary.

Lab results show that the shallow sample in TB #2, submitted for analysis of GRO, DRO, and RRO, has concentrations of DRO above the ADEC Method Two cleanup limits. Samples from 1 foot and 6 feet depths at TB #1 contain measurable concentrations of three solvents; Acetone, Methylene Chloride, and Tetrachloroethylene. Both Methylene Chloride and Tetrachloroethylene concentrations exceed ADEC, Method Two, Maximum Contaminant Levels (MCLs). The lab results indicate that the areas surrounding both TB #1 and TB #2 require cleanup to bring this site into compliance with ADEC regulations.

2.0 Purpose of Investigation

TERRASAT, INC. conducted a Limited Phase II Site Assessment at 1200 East 70th Avenue to evaluate two discolored areas identified during our Phase I Aerial Photo Interpretation. We investigated a third area where three former AST's has been located. The limited Phase II investigation is used to determine if contamination exists at the site. This investigation was designed to evaluate the potential for significant amounts of contamination in the areas of soil stains seen on the aerial photos.

3.0 Scope of Services

Our scope of services include the following activities:

- Drill three shallow borings on the property and determine if contamination exists at levels that exceed ADEC cleanup requirements for GRO (Gasoline Range Organics), DRO (Diesel Range Organics), RRO (Residual Range Organics), BTEX (Benzene,

Toluene, Ethylbenzene, and Xylene), and Volatile Organic Compounds (VOCs).

- Collect samples from two depths in each boring for laboratory analysis. Analyze samples from TB #1 for GRO, DRO, RRO, and VOCs. Analyze samples from TB #2 and TB #3 for GRO, DRO, RRO, and BTEX.
- Continuously field screen the test bores with a Photo-Ionization Detector.
- Prepare a report setting forth the scope and findings of the soil analyses and recommend further work as may be required for site remediation.

4.0 Site Location and Description

The property is located at 1200 East 70th Ave., Anchorage, Alaska 99518 (Figure 1). The legal description is Lot 1 and 8, Block 2, Park Woods Estate Subdivision, according to Plat no. 70-357 Anchorage Recording District, Third Judicial District, State of Alaska. The geographic description is the NW ¼ of the SW ¼ of section 5, Township 12 North, Range 3 West, Seward Meridian, Alaska.

The property contains a two-story 10,448 square foot Pre-Engineered steel frame warehouse/office with an open lot to the south of the building. The building sits on a concrete foundation. The lot is fenced and has one gate to the south and one to the west. The northern section of the lot is paved.

5.0 Site Investigation

TERRASAT, INC. and Discovery Drilling Inc. placed three borings in the area of the former aboveground storage tanks and in two of the areas of discolored soils identified on the aerial photographs (Figure 2). Discovery Drilling used a truck-mounted CME 75 drill rig to drill the test borings to approximately 6 feet (TB #1) and 4 feet (TB #2 and TB #3). TERRASAT, INC. collected field screening samples at 2 foot increments to the bottom of each boring. We submitted two soil samples for laboratory analysis from each boring.

6.0 Findings

The cleanup levels for fuel components at this site based on Method Two (18 AAC 75.341) Table B2 are 300 ppm for gasoline range organics, 250 ppm for diesel range organics, and 11,000 ppm for residual range organics.

TERRASAT, INC. advanced Test Boring #1 to a depth of six feet. We observed some slight discoloration of soil from the ground surface to 1.5 feet deep. The discoloration was accompanied by a slight hydrocarbon odor. No soil discoloration or hydrocarbon odors were observed from soil below 1.5 feet. We conducted headspace sampling of the soil using a calibrated photo-ionization detector (PID) (Figure 2).

The gasoline range organics value for the near surface sample (1 foot) was 2.2 ppm and non-detect for the sample from 6 feet below ground surface (BGS). The diesel range organics and residual range organics results for the surface sample are 140 ppm and 650 ppm respectively. The results for the sample taken at 6 feet BGS are 35 ppm and 140 ppm respectively. These diesel range organics and residual range organics values are below the maximum contaminant level established using Method Two (18 AAC 75.341) and show decreasing concentrations with increasing depth (Figure 3).

Both samples were also evaluated for the presence of volatile organic compounds by EPA Method 8260B. Both samples contained Acetone at concentrations below the maximum contaminant level established using Method Two (18 AAC 75.341) Table B1. Methylene Chloride and Tetrachloroethylene concentrations at both depths exceed the established maximum contaminant level of 15 ppb and 30 ppb, respectively. The Methylene Chloride results were 20 ppb in the near surface sample and 21 ppb in the sample from 6 feet below ground surface. The Tetrachloroethylene results were 130 ppb in the near surface sample and 45 ppb in the sample from 6 feet below ground surface.

TERRASAT, INC. advanced Test Boring #2 to a depth of four feet. We observed no discoloration of soil from the ground surface to 1.5 feet deep, but detected moderate levels of hydrocarbon odors. No soil discoloration or hydrocarbon odors were observed from soil below 1.5 feet. Results from headspace sampling suggest a small amount of hydrocarbon contamination in the shallow sample (Figure 2).

The near surface sample contained elevated levels of contamination. The gasoline range organics values were below laboratory reporting limits. The diesel range organics and residual range organics values are 540 ppm and 770, ppm respectively. The results for the samples collected from 4 feet below ground surface are 27 ppm and 290 ppm, respectively. The diesel range organics results for the surface sample are in excess of the 250 ppm maximum contaminant level established with Method Two (18 AAC 75.341) Table B2. Based on PID readings and the sample from 4 foot below ground surface the vertical extent of contamination appears to be limited to the top 1.5 feet of the soil (Figure 3).

TERRASAT, INC. advanced Test Boring #3 to a depth of four feet. We observed no discoloration or odors in soil from the ground surface to four feet deep. Results from headspace sampling suggest an insignificant amount of hydrocarbon contamination (Figure 2).

The gasoline range organics values were below laboratory reporting limits in both samples. The diesel range organics and residual range organics results for the surface sample are 9.6 ppm and 59 ppm, respectively. The results for the sample taken at 4 feet below ground surface are 17 ppm and 170 ppm, respectively. These results show increasing concentrations with depth (Figure 3). The concentrations, however, are less than 10% of the maximum contaminant level established under Method Two (18 AAC 75.341) Table B2.

7.0 Conclusions

Our subsurface evaluation of the first area of discolored soil (TB #1) identified on the aerial photo's revealed soil contamination in excess of the MCL established by Method Two (18 AAC 75.341) Table B1. The sample results for Tetrachloroethylene show a decreasing trend with depth. The Methylene Chloride concentrations remain relatively constant through out the sample profile. In summary laboratory results show that contamination above cleanup levels extends from the ground surface to below 6 feet deep, the extent of our investigation.

Our subsurface evaluation of the second area of discolored soil (TB #2) identified on the aerial photo's revealed significant amounts of contamination from the ground surface to 1.5 feet BGS. The contamination at this area exceeds ADEC regulations based on Method Two (18 AAC 75.340) Table B2.

Our evaluation revealed an insignificant amount of contamination near the former aboveground storage tanks. The sample taken at 4 feet BGS did contain detectable levels of Toluene and Xylene above the detection level but below the MCL (Maximum Contaminant Level).

8.0 Recommendations

TERRASAT, INC. recommends further action at this site based on contaminant concentrations in excess of those set forth in ADEC regulations, Method Two 18 AAC 75.3401 Table B1and B2. The soil in the area of TB #1 and TB #2 will requires excavating to bring the site into compliance with ADEC regulations. As per 18 AAC 75.301, it is required that ADEC be notified that a release occurred. This report should meet this requirement if you submit it to them.

The area surrounding TB #1 requires excavation to a minimum depth of 6 feet and to the horizontal extent of the contamination, as determined by field screening. The excavated material will require disposal with an ADEC approved soil remediation facility.

The area surrounding TB #2 requires excavation and the soil properly disposed or treatment. We recommend that the area surrounding TB #2 be excavated to a depth of 2 feet and to the horizontal extent of the contamination, as determined by field screening.

In accordance with our recommendations in the Phase I site assessment, a third area of discolored soil should be investigated. This area identified on aerial photo's in the southeast corner of the lot, should be field screened with a Photo-Ionization Detector. This investigation can occur when the other areas are being remediated to determine if excavation is necessary at this area to bring the site into compliance with ADEC regulations.

TERRASAT, INC. conducted this study in a manner consistent with the level of skill

ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty expressed or implied is made. Data and recommendations made herein were prepared for *Independent Lift Truck of Alaska* for use at this site in accordance with the purpose of the study described.

TERRASAT, INC. performed a Phase II ESA in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527 for the property at 1200 East 70th Avenue, Anchorage, Alaska. This assessment has revealed evidence of potentially hazardous environmental condition in connection with the property.

Please contact us at 344-9370 if you have any questions or would like further information.

Prepared by:

Guy L. Warren
Environmental Scientist

Approved by:

Daniel R. Young
Certified Professional Geologist
Ground Water Professional

Table 2

Laboratory Results for VOC's Found in TB #1

Test Bore #	Date	Sample #	Depth (ft)	Acetone (ppb)	Methylene Chloride (ppb)	Tetrachloroethylene (ppb)
TB #1	2/23/01	TH-1 1.0	1	25 (18)	20 (3.3)	130 (1.3)
	2/23/01	TH-1 6.0	6	19 (3.8)	21 (0.72)	45 (0.28)

Maximum Contaminant Level	10000 ppb	15 ppb	30 ppb

ND (0.05) =analyte concentration is below the(reporting limit)

Light shading indicates contaminant at concentration above laboratory reporting limits but below ADEC cleanup levels

Dark shading indicates contaminant at concentration above ADEC cleanup limits

MCL's established using table B1 (18 AAC 75.340)

Table 1

PID and Laboratory Results from the Test Borings

Test Bore #	Date	Sample #	Depth (ft)	PID Reading	DRO (ppm)	GRO (ppm)	RRO (ppm)	Benzene	Toluene	Ethylbenzene	Total Xylenes
TB #1	2/23/01	TH-1 1.0	1	18.8	140 (21)	2.2 (1.2)	650 (42)	ND (0.0019)	ND (0.00091)	ND (0.0013)	0.0052 (0.0016)
	2/23/01	NS	2	14.5	NS	NS	NS	NS	NS	NS	NS
	2/23/01	NS	3	15.4	NS	NS	NS	NS	NS	NS	NS
	2/23/01	TH-1 6.0	6	17	35 (4.5)	ND (1.2)	140 (9.0)	ND (0.00041)	ND (0.0002)	ND (0.00029)	ND (0.00035)
TB #2	2/23/01	TH-2 1.0	1	78.5	540 (41)	ND (0.90)	770 (81)	ND (0.0051)	0.022 ((0.0034)	0.061 (0.0045)	0.040 (0.010)
	2/23/01	NS	2.5	19.2	NS	NS	NS	NS	NS	NS	NS
	2/23/01	TH-2 4.0	4	17	27 (4.7)	ND (1.2)	290 (9.4)	ND (0.0069)	0.0047 (0.0047)	ND (0.0061)	ND (0.014)
TB #3	2/23/01	TH-3 1.0	1	10.5	9.6 (4.3)	ND (0.93)	59 (8.6)	ND (0.0053)	ND (0.0036)	ND (0.0047)	ND (0.011)
	2/23/01	TH-3 4.0	4	11.2	17 (4.6)	ND (1.2)	170 (9.2)	ND (0.0068)	0.0061 (0.0046)	ND (0.0060)	0.014 (0.014)

MCL's					250	300	11000	0.02	5.4	5.5	78

Maximum Contaminant Level (MCL)

Light shading indicates contaminant at concentration above laboratory reporting limits but below ADEC cleanup levels

Dark shading indicates contaminant at concentration above ADEC cleanup limits

ND (0.05) =analyte concentration is below the(reporting limit)

NS = no sample collected

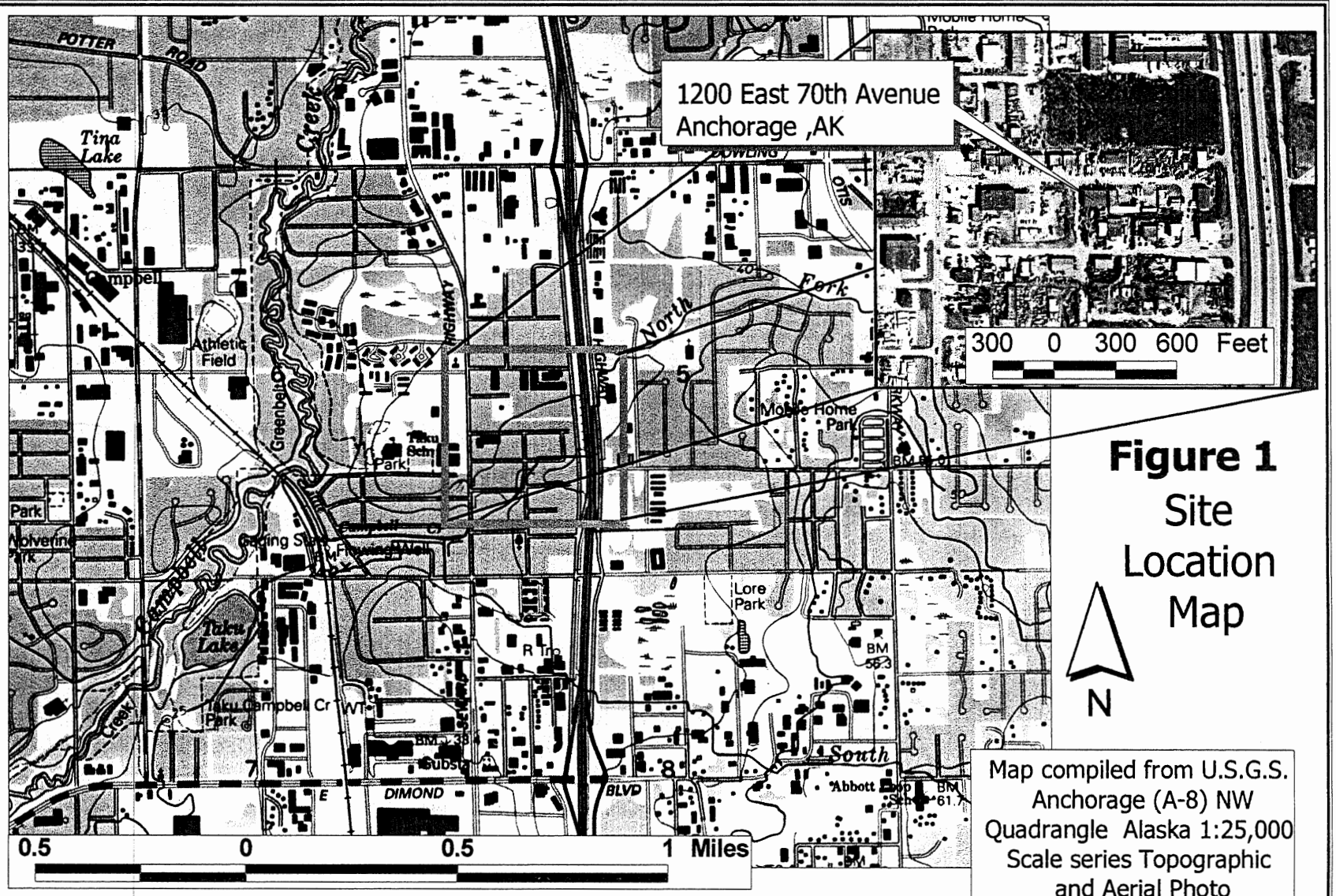


Figure 1
Site Location Map

Map compiled from U.S.G.S. Anchorage (A-8) NW Quadrangle Alaska 1:25,000 Scale series Topographic and Aerial Photo

Prepared for:
Independent Lift Truck of Alaska

TERRASAT, Inc.

March 15, 2001

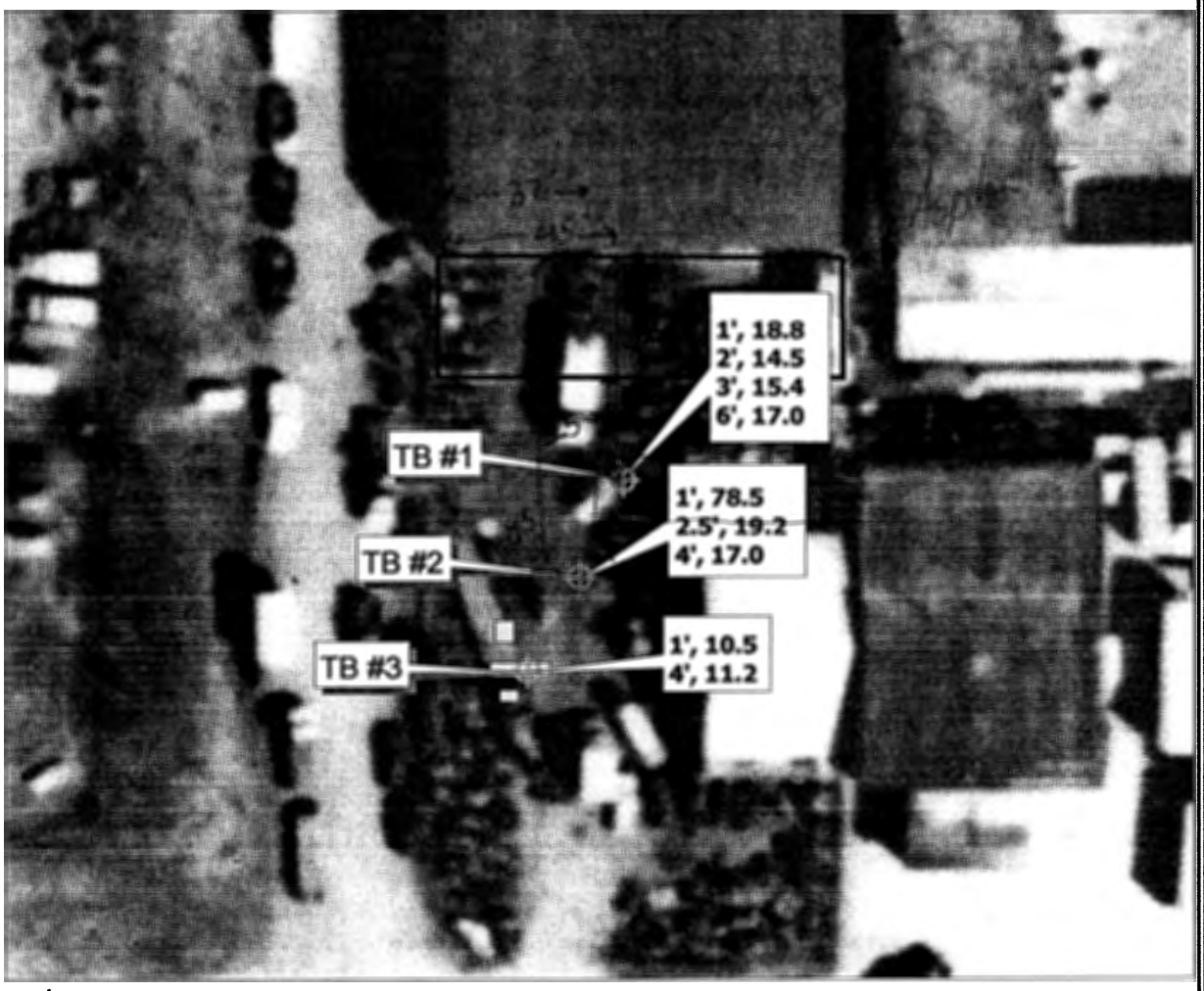


Figure 2
Test Boring Locations with PID Results

Proposed Soil Borings (Depth, PID)
Former Aboveground Storage Tanks
Asphalt Pad

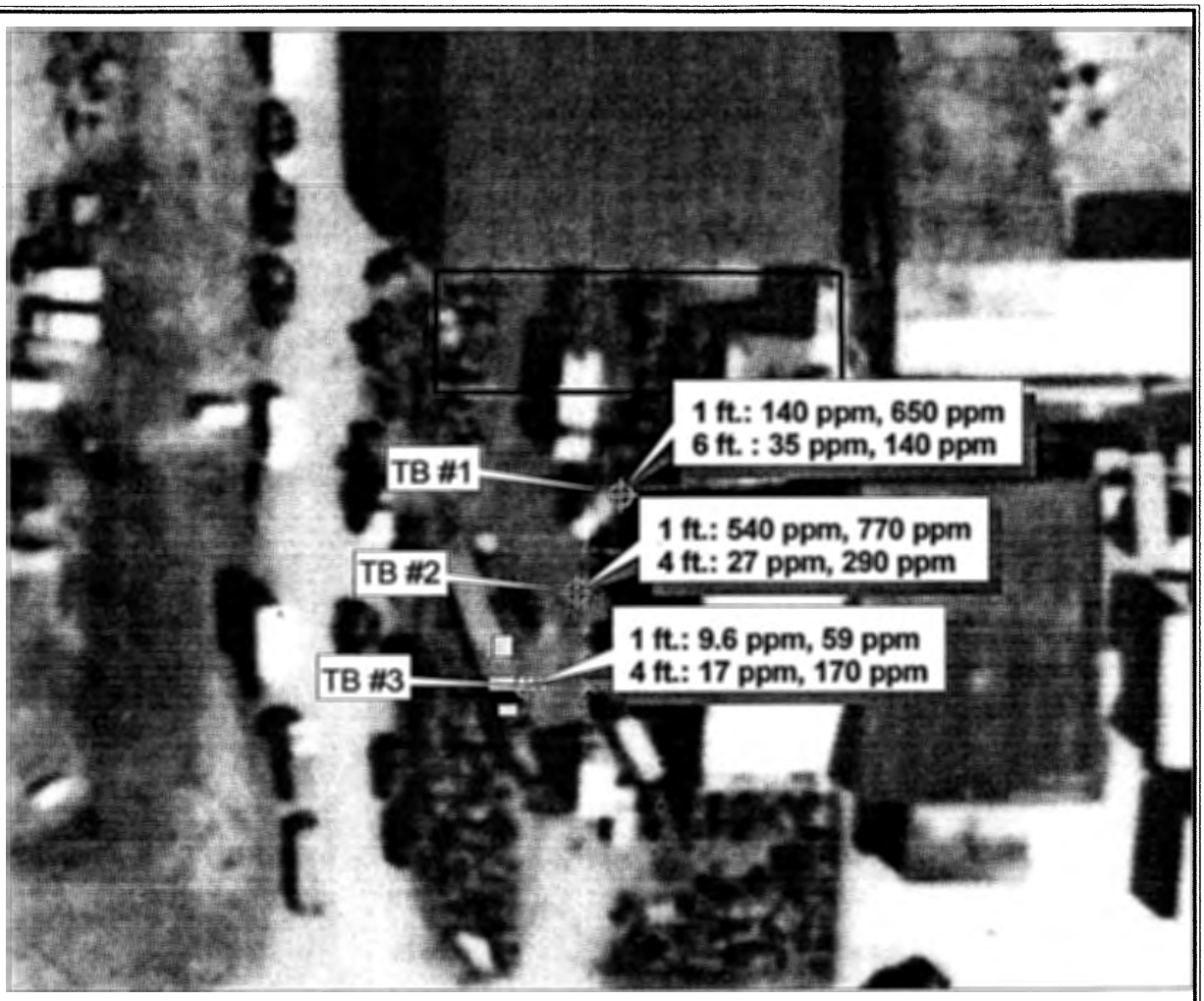
1200 East 70th Avenue
Anchorage, AK

Prepared for:

Independent Lift Truck of Alaska

TERRASAT, INC.

March 15, 2001



50 0 50 100 Feet

N

Figure 3
Laboratory Results

Proposed Soil Borings (Depth: DRO, RRO)
Former Aboveground Storage Tanks
Asphalt Pad

1200 East 70th Avenue
Anchorage, AK

Prepared for:

Independent Lift Truck of Alaska

TERRASAT, INC.

March 15, 2001

Appendix A
Laboratory Report

ANALYTICA
ALASKA INC.

Analytica Alaska Incorporated
website: www.analyticagroup.com

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

Terrasat, Inc.
1413 West 31st Avenue
Anchorage, AK 99503
Attn: Bill Lawrence

Work Order #: A0102050
Date: 3/5/01
Work ID: Independent Lift Truck
Date Received: 2/23/01

Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
A0102050-01	TH1-1.0	A0102050-02	TH1-6.0
A0102050-03	TH2-1.0	A0102050-04	TH2-4.0
A0102050-05	TH2A-4.0	A0102050-06	TH3-1.0
A0102050-07	TH3-4.0	A0102050-08	Trip Blank

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

Sincerely,

Jason Gray
Project Manager

Case Narrative

Analytica Alaska Inc.
Work Order: A0102050

ADEC Laboratory Approval Number: UST-014

The samples were received properly packed in one cooler at –0.1°C and were refrigerated upon receipt.

QUALITY CONTROL
All quality control objectives were met for this project.

Analyst _____ Date 3/5/01

Analyst _____ Date 3/5/01

Summary Tabular Analytical Report

Analytica Alaska Inc.
Work Order: A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Analytical Method: **DRO/RRO AK 102/103**
Sample Prep Method: 3550B

UNITS: mg/Kg

ID	Client Sample Name	Diesel Range Organics	Residual Range Organics
01B	**TH1-1.0**	**140(21)**	**650(42)**
02B	**TH1-6.0**	**35(4.5)**	**140(9.0)**
03B	**TH2-1.0**	**540(41)**	**770(81)**
04B	**TH2-4.0**	**27(4.7)**	**290(9.4)**
06B	**TH3-1.0**	**9.6(4.3)**	**59(8.6)**
07B	**TH3-4.0**	**17(4.6)**	**170(9.2)**

Please Note: ND = Not detected at or above the reporting limit, value in parentheses is PQL

Summary Tabular Analytical Report

Analytica Alaska Inc.
Work Order: A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Analytical Method: **AK 101 Soil**
Sample Prep Method: 5030B

UNITS: **mg/Kg**

ID	Client Sample Name	Gasoline Range Organics
01A	**TH1-1.0**	**2.2(1.2)**
02A	**TH1-6.0**	**ND(1.2)**

Please Note: ND = Not detected at or above the reporting limit, value in parentheses is PQL

Summary Tabular Analytical Report

Analytica Alaska Inc.
Work Order: A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Analytical Method: **BTEX Soil (SW 8021B)**
Sample Prep Method: 5030B

UNITS: **mg/Kg**

ID	Client Sample Name	Benzene	Toluene	Ethyl Benzene	Xylenes
05A	**TH2A-4.0**	**ND(0.0074)**	**.0062(0.0050**	**ND(0.0065)**	**0.016(0.015)**
08A	**Trip Blank**	**ND(0.011)**	**ND(0.0077)**	**ND(0.010)**	**ND(0.023)**

Please Note: ND = Not detected at or above the reporting limit, value in parentheses is PQL

Summary Tabular Analytical Report

Analytica Alaska Inc.
Work Order: A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Analytical Method: **BTX/GAS Soil (8021)**
Sample Prep Method: 5030B

UNITS: **mg/Kg**

ID	Client Sample Name	Benzene	Toluene	Ethyl Benzene	Xylenes	Gasoline Range Organics
03A	**TH2-1.0**	**ND(0.0051)**	**0.022(0.0034)**	**0.0061(0.0045)**	**0.040(0.010)**	**ND(0.90)**
04A	**TH2-4.0**	**ND(0.0069)**	**.0047(0.0047**	**ND(0.0061)**	**ND(0.014)**	**ND(1.2)**
06A	**TH3-1.0**	**ND(0.0053)**	**ND(0.0036)**	**ND(0.0047)**	**ND(0.011)**	**ND(0.93)**
07A	**TH3-4.0**	**ND(0.0068)**	**.0061(0.0046**	**ND(0.0060)**	**0.014(0.014)**	**ND(1.2)**

Please Note: ND = Not detected at or above the reporting limit, value in parentheses is PQL

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: **Independent Lift Truck**

Client: **Terrasat, Inc.**

Client Project Number: **20100A**

Report Section: Client Sample Report

Client Sample Name: **TH1-1.0**

Matrix: Soil

Collection Date: 2/23/01 9:30:00AM

The following test was conducted by: Analytica - Thornton

Lab Sample Number: B0102199-01A

Prep Date: 3/8/01

Analytical Method ID: Volatiles by GC/MS (SW 8260B)

Prep Method ID: 5035

Prep Batch Number: B010309007

Report Basis: Dry Weight Basis

Analysis Date: 3/8/01 1:20:00PM

Instrument: MS2VOA

File Name: 01030809.D

Dilution Factor: 5

Percent Moisture 6.91

Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
1,1,1,2-Tetrachloroethane	630-20-6	ND		ug/Kg	11	1.2	2
1,1,1-Trichloroethane	71-55-6	ND		ug/Kg	11	2.7	
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/Kg	11	2.1	
1,1,2-Trichloroethane	79-00-5	ND		ug/Kg	11	1.5	
1,1-Dichloroethane	75-34-3	ND		ug/Kg	11	1.2	
1,1-Dichloroethene	75-35-4	ND		ug/Kg	11	1.5	
1,1-Dichloropropene	563-58-6	ND		ug/Kg	11	1.6	
1,2,3-Trichlorobenzene	87-61-6	ND		ug/Kg	11	2.4	
1,2,3-Trichloropropane	96-18-4	ND		ug/Kg	11	3.9	
1,2,4-Trichlorobenzene	120-82-1	ND		ug/Kg	11	1.3	
1,2,4-Trimethylbenzene	95-63-6	ND		ug/Kg	11	1.3	
1,2-Dibromo-3-Chloropropane	96-12-8	ND		ug/Kg	54	5.7	
1,2-Dibromoethane	106-93-4	ND		ug/Kg	11	1.3	
1,2-Dichlorobenzene	95-50-1	ND		ug/Kg	11	1.5	
1,2-Dichloroethane	107-06-2	ND		ug/Kg	11	1.3	
1,2-Dichloropropane	78-87-5	ND		ug/Kg	11	0.91	
1,3,5-Trimethylbenzene	108-67-8	ND		ug/Kg	11	0.64	
1,3-Dichlorobenzene	541-73-1	ND		ug/Kg	11	1.4	
1,3-Dichloropropane	142-28-9	ND		ug/Kg	11	0.64	
2,2-Dichloropropane	594-20-7	ND		ug/Kg	11	1.6	
2-Butanone	78-93-3	ND		ug/Kg	270	12	
2-Chloroethyl Vinyl Ether	110-75-8	ND		ug/Kg	54	1.8	
2-Chlorotoluene	95-49-8	ND		ug/Kg	11	0.91	
2-Hexanone	591-78-6	ND		ug/Kg	110	31	
4-Chlorotoluene	106-43-4	ND		ug/Kg	11	0.97	
4-Isopropyltoluene	99-87-6	ND		ug/Kg	11	6.4	
4-Methyl-2-Pentanone	108-10-1	ND		ug/Kg	110	2.1	
Acetone	67-64-1	25	J	ug/Kg	270	18	
Acrylonitrile	107-13-1	ND		ug/Kg	54	2.6	
Benzene	71-43-2	ND		ug/Kg	11	1.9	
Bromobenzene	108-86-1	ND		ug/Kg	11	0.91	
Bromochloromethane	74-97-5	ND		ug/Kg	11	1.2	
Bromodichloromethane	75-27-4	ND		ug/Kg	11	0.64	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

Report Section: Client Sample Report

Client Sample Name: TH1-1.0

Matrix: Soil
Collection Date: 2/23/01 9:30:00AM

Lab Sample Number: B0102199-01A
Prep Date: 3/8/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010309007
Report Basis: Dry Weight Basis

Analysis Date: 3/8/01 1:20:00PM
Instrument: MS2VOA
File Name: 01030809.D
Dilution Factor: 5
Percent Moisture 6.91
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
Bromoform	75-25-2	ND		ug/Kg	11	1.3	2
Bromomethane	74-83-9	ND		ug/Kg	27	8.3	
Carbon Disulfide	75-15-0	ND		ug/Kg	11	0.64	
Carbon Tetrachloride	56-23-5	ND		ug/Kg	11	1.2	
Chlorobenzene	108-90-7	ND		ug/Kg	11	0.64	
Chloroethane	75-00-3	ND		ug/Kg	27	4.2	
Chloroform	67-66-3	ND		ug/Kg	11	0.81	
Chloromethane	74-87-3	ND		ug/Kg	27	2.5	
Cis-1,2-Dichloroethene	156-59-2	ND		ug/Kg	11	0.97	
Cis-1,3-Dichloropropene	10061-015	ND		ug/Kg	11	0.81	
Dibromochloromethane	124-48-1	ND		ug/Kg	11	0.81	
Dibromomethane	74-95-3	ND		ug/Kg	11	1.3	
Dichlorodifluoromethane	75-71-8	ND		ug/Kg	27	2.2	
Ethylbenzene	100-41-4	ND		ug/Kg	11	1.3	
Hexachlorobutadiene	87-68-3	ND		ug/Kg	11	1.8	
Iodomethane	74-88-4	ND		ug/Kg	27	0.91	
Isopropylbenzene	98-82-8	ND		ug/Kg	11	1.7	
m&p Xylenes	108-38-3/106-4	5.2	J	ug/Kg	11	1.6	
Methylene Chloride	75-09-2	20	J	ug/Kg	54	3.3	
Naphthalene	91-20-3	ND		ug/Kg	11	1.7	
n-Butylbenzene	104-51-8	ND		ug/Kg	11	1.2	
n-Propylbenzene	103-65-1	ND		ug/Kg	11	1.5	
O-Xylene	95-47-6	ND		ug/Kg	11	1.3	
sec-Butylbenzene	135-98-8	ND		ug/Kg	11	1.5	
Styrene	100-42-5	ND		ug/Kg	11	1.7	
tert-Butyl Methyl Ether	1634-04-4	ND		ug/Kg	11	0.91	
tert-Butylbenzene	98-06-6	ND		ug/Kg	11	0.91	
Tetrachloroethene	127-18-4	130		ug/Kg	11	1.3	
Toluene	108-88-3	ND		ug/Kg	11	0.91	
trans-1,2-Dichloroethene	156-60-5	ND		ug/Kg	11	1.3	
trans-1,3-Dichloropropene	10061-026	ND		ug/Kg	11	1.2	
trans-1,4-Dichloro-2 Buten	110-57-	ND		ug/Kg	54	13	
Trichloroethene	79-01-6	ND		ug/Kg	11	1.3	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

Report Section: Client Sample Report

Client Sample Name: TH1-1.0

Matrix: Soil
Collection Date: 2/23/01 9:30:00AM

Lab Sample Number: B0102199-01A
Prep Date: 3/8/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010309007
Report Basis: Dry Weight Basis

Analysis Date: 3/8/01 1:20:00PM
Instrument: MS2VOA
File Name: 01030809.D
Dilution Factor: 5
Percent Moisture 6.91
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
Trichlorofluoromethane	75-69-4	ND		ug/Kg	11	8.6	2
Trichlorotrifluoroethane	76-13-1	ND		ug/Kg	11	1.7	
Vinyl Acetate	108-05-4	ND		ug/Kg	27	1.0	
Vinyl Chloride	75-01-4	ND		ug/Kg	11	2.6	

Surrogate	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL	Rerun #:
1,2-Dichloroethane-d4	17060-07-0	**210**		ug/Kg	5.4	5.4	270	78	50	150	2
Dibromofluoromethane	1868-53-7	**270**		ug/Kg	11	1.1	270	100	80	120	
p-Bromofluorobenzene	460-00-4	**240**		ug/Kg	0.0	13	270	91	74	121	
Toluene D-8	108-88-3D	**300**		ug/Kg	0.0	0.0	270	110	81	117	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck

Client: Terrasat, Inc.

Client Project Number: 20100A

Report Section: Client Sample Report

Client Sample Name: TH1-6.0

Matrix: Soil

Collection Date: 2/23/01 9:45:00AM

The following test was conducted by: Analytica - Thornton

Lab Sample Number: B0102199-02A

Prep Date: 3/5/01

Analytical Method ID: Volatiles by GC/MS (SW 8260B)

Prep Method ID: 5035

Prep Batch Number: B010307011

Report Basis: Dry Weight Basis

Analysis Date: 3/6/01 2:09:00AM

Instrument: MS2VOA

File Name: 01030532.D

Dilution Factor: 1

Percent Moisture 14

Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
1,1,1,2-Tetrachloroethane	630-20-6	ND		ug/Kg	2.3	0.26	1
1,1,1-Trichloroethane	71-55-6	ND		ug/Kg	2.3	0.59	
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/Kg	2.3	0.46	
1,1,2-Trichloroethane	79-00-5	ND		ug/Kg	2.3	0.32	
1,1-Dichloroethane	75-34-3	ND		ug/Kg	2.3	0.26	
1,1-Dichloroethene	75-35-4	ND		ug/Kg	2.3	0.32	
1,1-Dichloropropene	563-58-6	ND		ug/Kg	2.3	0.35	
1,2,3-Trichlorobenzene	87-61-6	ND		ug/Kg	2.3	0.51	
1,2,3-Trichloropropane	96-18-4	ND		ug/Kg	2.3	0.84	
1,2,4-Trichlorobenzene	120-82-1	ND		ug/Kg	2.3	0.28	
1,2,4-Trimethylbenzene	95-63-6	ND		ug/Kg	2.3	0.29	
1,2-Dibromo-3-Chloropropane	96-12-8	ND		ug/Kg	12	1.2	
1,2-Dibromoethane	106-93-4	ND		ug/Kg	2.3	0.29	
1,2-Dichlorobenzene	95-50-1	ND		ug/Kg	2.3	0.32	
1,2-Dichloroethane	107-06-2	ND		ug/Kg	2.3	0.28	
1,2-Dichloropropane	78-87-5	ND		ug/Kg	2.3	0.20	
1,3,5-Trimethylbenzene	108-67-8	ND		ug/Kg	2.3	0.14	
1,3-Dichlorobenzene	541-73-1	ND		ug/Kg	2.3	0.30	
1,3-Dichloropropane	142-28-9	ND		ug/Kg	2.3	0.14	
2,2-Dichloropropane	594-20-7	ND		ug/Kg	2.3	0.35	
2-Butanone	78-93-3	ND		ug/Kg	58	2.7	
2-Chloroethyl Vinyl Ether	110-75-8	ND		ug/Kg	12	0.39	
2-Chlorotoluene	95-49-8	ND		ug/Kg	2.3	0.20	
2-Hexanone	591-78-6	ND		ug/Kg	23	6.6	
4-Chlorotoluene	106-43-4	ND		ug/Kg	2.3	0.21	
4-Isopropyltoluene	99-87-6	ND		ug/Kg	2.3	1.4	
4-Methyl-2-Pentanone	108-10-1	ND		ug/Kg	23	0.45	
Acetone	67-64-1	19	J	ug/Kg	58	3.8	
Acrylonitrile	107-13-1	ND		ug/Kg	12	0.56	
Benzene	71-43-2	ND		ug/Kg	2.3	0.41	
Bromobenzene	108-86-1	ND		ug/Kg	2.3	0.20	
Bromochloromethane	74-97-5	ND		ug/Kg	2.3	0.26	
Bromodichloromethane	75-27-4	ND		ug/Kg	2.3	0.14	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

Report Section: Client Sample Report

Client Sample Name: TH1-6.0

Matrix: Soil
Collection Date: 2/23/01 9:45:00AM

Lab Sample Number: B0102199-02A
Prep Date: 3/5/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010307011
Report Basis: Dry Weight Basis

Analysis Date: 3/6/01 2:09:00AM
Instrument: MS2VOA
File Name: 01030532.D
Dilution Factor: 1
Percent Moisture 14
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
Bromoform	75-25-2	ND		ug/Kg	2.3	0.29	1
Bromomethane	74-83-9	ND		ug/Kg	5.8	1.8	
Carbon Disulfide	75-15-0	ND		ug/Kg	2.3	0.14	
Carbon Tetrachloride	56-23-5	ND		ug/Kg	2.3	0.26	
Chlorobenzene	108-90-7	ND		ug/Kg	2.3	0.14	
Chloroethane	75-00-3	ND		ug/Kg	5.8	0.92	
Chloroform	67-66-3	ND		ug/Kg	2.3	0.17	
Chloromethane	74-87-3	ND		ug/Kg	5.8	0.55	
Cis-1.2-Dichloroethene	156-59-2	ND		ug/Kg	2.3	0.21	
Cis-1,3-Dichloropropene	10061-015	ND		ug/Kg	2.3	0.17	
Dibromochloromethane	124-48-1	ND		ug/Kg	2.3	0.17	
Dibromomethane	74-95-3	ND		ug/Kg	2.3	0.28	
Dichlorodifluoromethane	75-71-8	ND		ug/Kg	5.8	0.48	
Ethylbenzene	100-41-4	ND		ug/Kg	2.3	0.29	
Hexachlorobutadiene	87-68-3	ND		ug/Kg	2.3	0.39	
Iodomethane	74-88-4	ND		ug/Kg	5.8	0.20	
Isopropylbenzene	98-82-8	ND		ug/Kg	2.3	0.36	
m&p Xylenes	108-38-3/106-4	ND		ug/Kg	2.3	0.35	
Methylene Chloride	75-09-2	21		ug/Kg	12	0.72	
Naphthalene	91-20-3	ND		ug/Kg	2.3	0.36	
n-Butylbenzene	104-51-8	ND		ug/Kg	2.3	0.26	
n-Propylbenzene	103-65-1	ND		ug/Kg	2.3	0.32	
O-Xylene	95-47-6	ND		ug/Kg	2.3	0.28	
sec-Butylbenzene	135-98-8	ND		ug/Kg	2.3	0.32	
Styrene	100-42-5	ND		ug/Kg	2.3	0.36	
tert-Butyl Methyl Ether	1634-04-4	ND		ug/Kg	2.3	0.20	
tert-Butylbenzene	98-06-6	ND		ug/Kg	2.3	0.20	
Tetrachloroethene	127-18-4	45		ug/Kg	2.3	0.28	
Toluene	108-88-3	ND		ug/Kg	2.3	0.20	
trans-1,2-Dichloroethene	156-60-5	ND		ug/Kg	2.3	0.29	
trans-1,3-Dichloropropene	10061-026	ND		ug/Kg	2.3	0.26	
trans-1.4-Dichloro-2 Buten	110-57-	ND		ug/Kg	12	2.7	
Trichloroethene	79-01-6	ND		ug/Kg	2.3	0.28	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

Report Section: Client Sample Report

Client Sample Name: TH1-6.0

Matrix: Soil
Collection Date: 2/23/01 9:45:00AM

Lab Sample Number: B0102199-02A
Prep Date: 3/5/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010307011
Report Basis: Dry Weight Basis

Analysis Date: 3/6/01 2:09:00AM
Instrument: MS2VOA
File Name: 01030532.D
Dilution Factor: 1
Percent Moisture 14
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
Trichlorofluoromethane	75-69-4	ND		ug/Kg	2.3	1.9	1
Trichlorotrifluoroethane	76-13-1	ND		ug/Kg	2.3	0.36	
Vinyl Acetate	108-05-4	ND		ug/Kg	5.8	0.22	
Vinyl Chloride	75-01-4	ND		ug/Kg	2.3	0.57	

Surrogate	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL	Rerun #:
1,2-Dichloroethane-d4	17060-07-0	**51**		ug/Kg	1.2	1.2	58	88	50	150	1
Dibromofluoromethane	1868-53-7	**62**		ug/Kg	2.3	0.23	58	110	80	120	
p-Bromofluorobenzene	460-00-4	**58**		ug/Kg	0.0	2.7	58	100	74	121	
Toluene D-8	108-88-3D	**57**		ug/Kg	0.0	0.0	58	98	81	117	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: **Independent Lift Truck**
Client: **Terrasat, Inc.**
Client Project Number: **20100A**

Report Section: Method Blank Report

Client Sample Name: **MB**

Matrix: Soil

Collection Date: 3/5/01 12:00:00AM

The following test was conducted by: Analytica - Thornton

Lab Sample Number: B010307011-MB
Prep Date: 3/5/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010307011
Report Basis: Dry Weight Basis

Analysis Date: 3/5/01 10:51:00PM
Instrument: MS2VOA
File Name: 01030526.D
Dilution Factor: 1
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
1,1,1,2-Tetrachloroethane	630-20-6	ND		ug/Kg	2.0	0.22	1
1,1,1-Trichloroethane	71-55-6	ND		ug/Kg	2.0	0.51	
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/Kg	2.0	0.40	
1,1,2-Trichloroethane	79-00-5	ND		ug/Kg	2.0	0.28	
1,1-Dichloroethane	75-34-3	ND		ug/Kg	2.0	0.22	
1,1-Dichloroethene	75-35-4	ND		ug/Kg	2.0	0.28	
1,1-Dichloropropene	563-58-6	ND		ug/Kg	2.0	0.30	
1,2,3-Trichlorobenzene	87-61-6	ND		ug/Kg	2.0	0.44	
1,2,3-Trichloropropane	96-18-4	ND		ug/Kg	2.0	0.72	
1,2,4-Trichlorobenzene	120-82-1	ND		ug/Kg	2.0	0.24	
1,2,4-Trimethylbenzene	95-63-6	ND		ug/Kg	2.0	0.25	
1,2-Dibromo-3-Chloropropane	96-12-8	ND		ug/Kg	10	1.1	
1,2-Dibromoethane	106-93-4	ND		ug/Kg	2.0	0.25	
1,2-Dichlorobenzene	95-50-1	ND		ug/Kg	2.0	0.28	
1,2-Dichloroethane	107-06-2	ND		ug/Kg	2.0	0.24	
1,2-Dichloropropane	78-87-5	ND		ug/Kg	2.0	0.17	
1,3,5-Trimethylbenzene	108-67-8	ND		ug/Kg	2.0	0.12	
1,3-Dichlorobenzene	541-73-1	ND		ug/Kg	2.0	0.26	
1,3-Dichloropropane	142-28-9	ND		ug/Kg	2.0	0.12	
2,2-Dichloropropane	594-20-7	ND		ug/Kg	2.0	0.30	
2-Butanone	78-93-3	ND		ug/Kg	50	2.3	
2-Chloroethyl Vinyl Ether	110-75-8	ND		ug/Kg	10	0.34	
2-Chlorotoluene	95-49-8	ND		ug/Kg	2.0	0.17	
2-Hexanone	591-78-6	ND		ug/Kg	20	5.7	
4-Chlorotoluene	106-43-4	ND		ug/Kg	2.0	0.18	
4-Isopropyltoluene	99-87-6	ND		ug/Kg	2.0	1.2	
4-Methyl-2-Pentanone	108-10-1	ND		ug/Kg	20	0.39	
Acetone	67-64-1	ND		ug/Kg	50	3.3	
Acrylonitrile	107-13-1	ND		ug/Kg	10	0.48	
Benzene	71-43-2	ND		ug/Kg	2.0	0.35	
Bromobenzene	108-86-1	ND		ug/Kg	2.0	0.17	
Bromochloromethane	74-97-5	ND		ug/Kg	2.0	0.22	
Bromodichloromethane	75-27-4	ND		ug/Kg	2.0	0.12	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

Report Section: Method Blank Report

Client Sample Name: MB

Matrix: Soil
Collection Date: 3/5/01 12:00:00AM

Lab Sample Number: B010307011-MB
Prep Date: 3/5/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010307011
Report Basis: Dry Weight Basis

Analysis Date: 3/5/01 10:51:00PM
Instrument: MS2VOA
File Name: 01030526.D
Dilution Factor: 1
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
Bromoform	75-25-2	ND		ug/Kg	2.0	0.25	1
Bromomethane	74-83-9	ND		ug/Kg	5.0	1.6	
Carbon Disulfide	75-15-0	ND		ug/Kg	2.0	0.12	
Carbon Tetrachloride	56-23-5	ND		ug/Kg	2.0	0.22	
Chlorobenzene	108-90-7	ND		ug/Kg	2.0	0.12	
Chloroethane	75-00-3	ND		ug/Kg	5.0	0.79	
Chloroform	67-66-3	ND		ug/Kg	2.0	0.15	
Chloromethane	74-87-3	ND		ug/Kg	5.0	0.47	
Cis-1,2-Dichloroethene	156-59-2	ND		ug/Kg	2.0	0.18	
Cis-1,3-Dichloropropene	10061-015	ND		ug/Kg	2.0	0.15	
Dibromochloromethane	124-48-1	ND		ug/Kg	2.0	0.15	
Dibromomethane	74-95-3	ND		ug/Kg	2.0	0.24	
Dichlorodifluoromethane	75-71-8	ND		ug/Kg	5.0	0.41	
Ethylbenzene	100-41-4	ND		ug/Kg	2.0	0.25	
Hexachlorobutadiene	87-68-3	ND		ug/Kg	2.0	0.34	
Iodomethane	74-88-4	ND		ug/Kg	5.0	0.17	
Isopropylbenzene	98-82-8	ND		ug/Kg	2.0	0.31	
m&p Xylenes	108-38-3/106-4	ND		ug/Kg	2.0	0.30	
Methylene Chloride	75-09-2	ND		ug/Kg	10	0.62	
Naphthalene	91-20-3	ND		ug/Kg	2.0	0.31	
n-Butylbenzene	104-51-8	ND		ug/Kg	2.0	0.22	
n-Propylbenzene	103-65-1	ND		ug/Kg	2.0	0.28	
O-Xylene	95-47-6	ND		ug/Kg	2.0	0.24	
sec-Butylbenzene	135-98-8	ND		ug/Kg	2.0	0.28	
Styrene	100-42-5	ND		ug/Kg	2.0	0.31	
tert-Butyl Methyl Ether	1634-04-4	ND		ug/Kg	2.0	0.17	
tert-Butylbenzene	98-06-6	ND		ug/Kg	2.0	0.17	
Tetrachloroethene	127-18-4	ND		ug/Kg	2.0	0.24	
Toluene	108-88-3	ND		ug/Kg	2.0	0.17	
trans-1,2-Dichloroethene	156-60-5	ND		ug/Kg	2.0	0.25	
trans-1,3-Dichloropropene	10061-026	ND		ug/Kg	2.0	0.22	
trans-1,4-Dichloro-2 Buten	110-57-	ND		ug/Kg	10	2.3	
Trichloroethene	79-01-6	ND		ug/Kg	2.0	0.24	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: **Independent Lift Truck**

Client: **Terrasat, Inc.**

Client Project Number: **20100A**

Report Section: Method Blank Report

Client Sample Name: **MB**

Matrix: Soil

Collection Date: 3/5/01 12:00:00AM

Lab Sample Number: B010307011-MB
Prep Date: 3/5/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010307011
Report Basis: Dry Weight Basis

Analysis Date: 3/5/01 10:51:00PM
Instrument: MS2VOA
File Name: 01030526.D
Dilution Factor: 1
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
Trichlorofluoromethane	75-69-4	ND		ug/Kg	2.0	1.6	1
Trichlorotrifluoroethane	76-13-1	ND		ug/Kg	2.0	0.31	
Vinyl Acetate	108-05-4	ND		ug/Kg	5.0	0.19	
Vinyl Chloride	75-01-4	ND		ug/Kg	2.0	0.49	

Surrogate	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL	Rerun #:
1,2-Dichloroethane-d4	17060-07-0	45		ug/Kg	1.0	1.0	50	91	50	150	1
Dibromofluoromethane	1868-53-7	54		ug/Kg	2.0	0.20	50	110	80	120	
p-Bromofluorobenzene	460-00-4	48		ug/Kg	0.0	2.4	50	95	74	121	
Toluene D-8	108-88-3D	46		ug/Kg	0.0	0.0	50	93	81	117	

Lab Sample Number: B010309007-MB
Prep Date: 3/8/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010309007
Report Basis: Dry Weight Basis

Analysis Date: 3/8/01 10:34:00AM
Instrument: MS2VOA
File Name: 01030804.D
Dilution Factor: 1
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
1,1,1,2-Tetrachloroethane	630-20-6	ND		ug/Kg	2.0	0.22	1
1,1,1-Trichloroethane	71-55-6	ND		ug/Kg	2.0	0.51	
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/Kg	2.0	0.40	
1,1,2-Trichloroethane	79-00-5	ND		ug/Kg	2.0	0.28	
1,1-Dichloroethane	75-34-3	ND		ug/Kg	2.0	0.22	
1,1-Dichloroethene	75-35-4	ND		ug/Kg	2.0	0.28	
1,1-Dichloropropene	563-58-6	ND		ug/Kg	2.0	0.30	
1,2,3-Trichlorobenzene	87-61-6	ND		ug/Kg	2.0	0.44	
1,2,3-Trichloropropane	96-18-4	ND		ug/Kg	2.0	0.72	
1,2,4-Trichlorobenzene	120-82-1	ND		ug/Kg	2.0	0.24	
1,2,4-Trimethylbenzene	95-63-6	ND		ug/Kg	2.0	0.25	
1,2-Dibromo-3-Chloropropane	96-12-8	ND		ug/Kg	10	1.1	
1,2-Dibromoethane	106-93-4	ND		ug/Kg	2.0	0.25	
1,2-Dichlorobenzene	95-50-1	ND		ug/Kg	2.0	0.28	
1,2-Dichloroethane	107-06-2	ND		ug/Kg	2.0	0.24	
1,2-Dichloropropane	78-87-5	ND		ug/Kg	2.0	0.17	
1,3,5-Trimethylbenzene	108-67-8	ND		ug/Kg	2.0	0.12	
1,3-Dichlorobenzene	541-73-1	ND		ug/Kg	2.0	0.26	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

Report Section: Method Blank Report

Client Sample Name: MB

Matrix: Soil
Collection Date: 3/8/01 12:00:00AM

Lab Sample Number: B010309007-MB
Prep Date: 3/8/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010309007
Report Basis: Dry Weight Basis

Analysis Date: 3/8/01 10:34:00AM
Instrument: MS2VOA
File Name: 01030804.D
Dilution Factor: 1
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
1,3-Dichloropropane	142-28-9	ND		ug/Kg	2.0	0.12	1
2,2-Dichloropropane	594-20-7	ND		ug/Kg	2.0	0.30	
2-Butanone	78-93-3	ND		ug/Kg	50	2.3	
2-Chloroethyl Vinyl Ether	110-75-8	ND		ug/Kg	10	0.34	
2-Chlorotoluene	95-49-8	ND		ug/Kg	2.0	0.17	
2-Hexanone	591-78-6	ND		ug/Kg	20	5.7	
4-Chlorotoluene	106-43-4	ND		ug/Kg	2.0	0.18	
4-Isopropyltoluene	99-87-6	ND		ug/Kg	2.0	1.2	
4-Methyl-2-Pentanone	108-10-1	ND		ug/Kg	20	0.39	
Acetone	67-64-1	ND		ug/Kg	50	3.3	
Acrylonitrile	107-13-1	ND		ug/Kg	10	0.48	
Benzene	71-43-2	ND		ug/Kg	2.0	0.35	
Bromobenzene	108-86-1	ND		ug/Kg	2.0	0.17	
Bromochloromethane	74-97-5	ND		ug/Kg	2.0	0.22	
Bromodichloromethane	75-27-4	ND		ug/Kg	2.0	0.12	
Bromoform	75-25-2	ND		ug/Kg	2.0	0.25	
Bromomethane	74-83-9	ND		ug/Kg	5.0	1.6	
Carbon Disulfide	75-15-0	ND		ug/Kg	2.0	0.12	
Carbon Tetrachloride	56-23-5	ND		ug/Kg	2.0	0.22	
Chlorobenzene	108-90-7	ND		ug/Kg	2.0	0.12	
Chloroethane	75-00-3	ND		ug/Kg	5.0	0.79	
Chloroform	67-66-3	ND		ug/Kg	2.0	0.15	
Chloromethane	74-87-3	ND		ug/Kg	5.0	0.47	
Cis-1,2-Dichloroethene	156-59-2	ND		ug/Kg	2.0	0.18	
Cis-1,3-Dichloropropene	10061-015	ND		ug/Kg	2.0	0.15	
Dibromochloromethane	124-48-1	ND		ug/Kg	2.0	0.15	
Dibromomethane	74-95-3	ND		ug/Kg	2.0	0.24	
Dichlorodifluoromethane	75-71-8	ND		ug/Kg	5.0	0.41	
Ethylbenzene	100-41-4	ND		ug/Kg	2.0	0.25	
Hexachlorobutadiene	87-68-3	ND		ug/Kg	2.0	0.34	
Iodomethane	74-88-4	ND		ug/Kg	5.0	0.17	
Isopropylbenzene	98-82-8	ND		ug/Kg	2.0	0.31	
m&p Xylenes	108-38-3/106-4	ND		ug/Kg	2.0	0.30	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

Report Section: Method Blank Report

Client Sample Name: MB

Matrix: Soil
Collection Date: 3/8/01 12:00:00AM

Lab Sample Number: B010309007-MB
Prep Date: 3/8/01
Analytical Method ID: Volatiles by GC/MS (SW 8260B)
Prep Method ID: 5035
Prep Batch Number: B010309007
Report Basis: Dry Weight Basis

Analysis Date: 3/8/01 10:34:00AM
Instrument: MS2VOA
File Name: 01030804.D
Dilution Factor: 1
Analyst Initials: YC

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Rerun #:
Methylene Chloride	75-09-2	ND		ug/Kg	10	0.62	1
Naphthalene	91-20-3	ND		ug/Kg	2.0	0.31	
n-Butylbenzene	104-51-8	ND		ug/Kg	2.0	0.22	
n-Propylbenzene	103-65-1	ND		ug/Kg	2.0	0.28	
O-Xylene	95-47-6	ND		ug/Kg	2.0	0.24	
sec-Butylbenzene	135-98-8	ND		ug/Kg	2.0	0.28	
Styrene	100-42-5	ND		ug/Kg	2.0	0.31	
tert-Butyl Methyl Ether	1634-04-4	ND		ug/Kg	2.0	0.17	
tert-Butylbenzene	98-06-6	ND		ug/Kg	2.0	0.17	
Tetrachloroethene	127-18-4	ND		ug/Kg	2.0	0.24	
Toluene	108-88-3	ND		ug/Kg	2.0	0.17	
trans-1.2-Dichloroethene	156-60-5	ND		ug/Kg	2.0	0.25	
trans-1.3-Dichloropropene	10061-026	ND		ug/Kg	2.0	0.22	
trans-1.4-Dichloro-2 Buten	110-57-	ND		ug/Kg	10	2.3	
Trichloroethene	79-01-6	ND		ug/Kg	2.0	0.24	
Trichlorofluoromethane	75-69-4	ND		ug/Kg	2.0	1.6	
Trichlorotrifluoroethane	76-13-1	ND		ug/Kg	2.0	0.31	
Vinyl Acetate	108-05-4	ND		ug/Kg	5.0	0.19	
Vinyl Chloride	75-01-4	ND		ug/Kg	2.0	0.49	

Surrogate	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL	Rerun #:
1,2-Dichloroethane-d4	17060-07-0	45		ug/Kg	1.0	1.0	50	89	50	150	1
Dibromofluoromethane	1868-53-7	55		ug/Kg	2.0	0.20	50	110	80	120	
p-Bromofluorobenzene	460-00-4	44		ug/Kg	0.0	2.4	50	87	74	121	
Toluene D-8	108-88-3D	51		ug/Kg	0.0	0.0	50	100	81	117	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: **Independent Lift Truck**

Client: **Terrasat, Inc.**

Client Project Number: **20100A**

QC Recovery Report

*Work Order:*B0102199

Prep Batch Number: B010305004

Base Sample	**B0103010-01B**	Anal. Method:	Percent Moisture (ASTM D2216)
QC Sample	**B0103010-01B-DUP**	Sample Prep Date:	3/2/01 12:00:00AM
QC Duplicate:		Analysis Units:	%
SampleAnalysis Date:	3/5/01 11:12:36AM	Matrix:	Soil
QC Sample Analysis Date:	3/5/01 11:12:36AM	QC DUPSample Analysis Date:	3/5/01 11:12:36AM

Analyte	Samp. Result	Dup Res	DUPRPD	DUPUCL	DUPFl
Moisture	10.7	11.7	-17	20	Note 3

Prep Batch Number: B010307011

Base Sample	**B0102199-02A**	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	**B0102199-02A-MS**	Sample Prep Date:	3/5/01 12:00:00AM
QC Duplicate:	**B0102199-02A-MSD**	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/6/01 2:09:00AM	Matrix:	Soil
QC Sample Analysis Date:	3/6/01 2:42:00AM	QC DUPSample Analysis Date:	3/6/01 3:15:00AM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
1,1,1,2-Tetrachloroethane	ND	17.9	25.2	23.2	77	23.2	109	80	120	33.80	OUT	LOW
1,1,1-Trichloroethane	ND	17.7	24.3	23.2	76	23.2	105	80	120	31.62	OUT	LOW
1,1,2,2-Tetrachloroethane	ND	19.0	27.5	23.2	82	23.2	118	80	120	36.23	OUT	
1,1,2-Trichloroethane	ND	16.9	23.8	23.2	73	23.2	103	80	120	34.14	OUT	LOW
1,1-Dichloroethane	ND	19.5	24.8	23.2	84	23.2	107	80	120	24.14	OUT	
1,1-Dichloroethene	ND	17.3	23.0	23.2	75	23.2	99	74	140	28.21	OUT	
1,1-Dichloropropene	ND	16.9	21.1	23.2	73	23.2	91	80	120	22.18	OUT	LOW
1,2,3-Trichlorobenzene	ND	9.73	14.7	23.2	42	23.2	63	80	120	40.72	OUT	LOW
1,2,3-Trichloropropane	ND	19.9	28.8	23.2	86	23.2	124	80	120	36.57	OUT	HIGH
1,2,4-Trichlorobenzene	ND	10.4	15.4	23.2	45	23.2	66	80	120	38.24	OUT	LOW
1,2,4-Trimethylbenzene	ND	19.4	25.9	23.2	83	23.2	112	80	120	28.86	OUT	
1,2-Dibromo-3-Chloroprop ane	ND	15.4	23.6	23.2	67	23.2	102	80	120	41.74	OUT	LOW
1,2-Dibromoethane	ND	15.4	21.4	23.2	67	23.2	92	80	120	32.21	OUT	LOW
1,2-Dichlorobenzene	ND	14.7	20.8	23.2	63	23.2	90	80	120	34.50	OUT	LOW
1,2-Dichloroethane	ND	15.7	20.8	23.2	68	23.2	90	80	120	27.92	OUT	LOW
1,2-Dichloropropane	ND	18.7	24.5	23.2	81	23.2	106	80	120	26.93	OUT	
1,3,5-Trimethylbenzene	ND	20.5	27.4	23.2	88	23.2	118	80	120	28.70	OUT	

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: **Independent Lift Truck**
Client: **Terrasat, Inc.**
Client Project Number: **20100A**

QC Recovery Report

Work Order: B0102199

Prep Batch Number: **B010307011**

Base Sample	**B0102199-02A**	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	**B0102199-02A-MS**	Sample Prep Date:	3/5/01 12:00:00AM
QC Duplicate:	**B0102199-02A-MSD**	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/6/01 2:09:00AM	Matrix:	Soil
QC Sample Analysis Date:	3/6/01 2:42:00AM	QC DUPSample Analysis Date:	3/6/01 3:15:00AM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
1,3-Dichlorobenzene	ND	15.7	20.5	23.2	68	23.2	88	80	120	26.76	OUT	LOW
1,3-Dichloropropane	ND	17.3	23.3	23.2	74	23.2	100	80	120	29.70	OUT	LOW
2,2-Dichloropropane	ND	18.2	23.2	23.2	78	23.2	100	80	120	24.33	OUT	LOW
2-Butanone	ND	ND	9.54	23.2	9	23.2	41	60	140	129.13	OUT	LOW
2-Chloroethyl Vinyl Ether	ND	7.10	13.2	23.2	31	23.2	57	60	140	60.03	OUT	LOW
2-Chlorotoluene	ND	18.1	23.3	23.2	78	23.2	100	80	120	25.06	OUT	LOW
2-Hexanone	ND	17.7	30.2	23.2	76	23.2	130	60	140	52.42	OUT	
4-Chlorotoluene	ND	15.9	20.6	23.2	69	23.2	89	80	120	25.63	OUT	LOW
4-Isopropyltoluene	ND	22.5	30.9	23.2	97	23.2	133	80	120	31.52	OUT	HIGH
4-Methyl-2-Pentanone	ND	20.8	31.8	23.2	90	23.2	137	80	120	42.12	OUT	HIGH
Acetone	18.9	29.6	54.5	23.2	128	23.2	235	60	140	59.29	OUT	HIGH
Acrylonitrile	ND	19.4	28.5	23.2	84	23.2	123	60	140	37.81	OUT	
Benzene	ND	17.6	23.2	23.2	76	23.2	100	80	120	27.77	OUT	LOW
Bromobenzene	ND	17.3	22.4	23.2	75	23.2	96	80	120	25.25	OUT	LOW
Bromochloromethane	ND	21.2	26.5	23.2	92	23.2	114	80	120	21.89	OUT	
Bromodichloromethane	ND	15.1	19.5	23.2	65	23.2	84	80	120	25.30	OUT	LOW
Bromoform	ND	12.9	17.8	23.2	56	23.2	77	80	120	31.79	OUT	LOW
Bromomethane	ND	17.4	18.1	23.2	75	23.2	78	51	131	3.66		
Carbon Disulfide	ND	15.6	19.3	23.2	67	23.2	83	80	120	21.68	OUT	LOW
Carbon Tetrachloride	ND	22.7	25.4	23.2	98	23.2	109	80	120	11.11		
Chlorobenzene	ND	16.2	20.6	23.2	70	23.2	89	80	120	23.97	OUT	LOW
Chloroethane	ND	22.8	17.6	23.2	98	23.2	76	62	133	25.59	OUT	
Chloroform	ND	18.8	24.6	23.2	81	23.2	106	80	120	26.84	OUT	
Chloromethane	ND	22.6	19.4	23.2	98	23.2	84	60	140	15.16		
Cis-1,2-Dichloroethene	ND	18.1	24.9	23.2	78	23.2	107	80	120	31.45	OUT	LOW
Cis-1,3-Dichloropropene	ND	14.0	18.2	23.2	60	23.2	78	80	120	25.91	OUT	LOW
Dibromochloromethane	ND	14.4	18.7	23.2	62	23.2	81	80	120	26.23	OUT	LOW

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: **Independent Lift Truck**
Client: **Terrasat, Inc.**
Client Project Number: **20100A**

QC Recovery Report

Work Order: B0102199

Prep Batch Number: **B010307011**

Base Sample	**B0102199-02A**	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	**B0102199-02A-MS**	Sample Prep Date:	3/5/01 12:00:00AM
QC Duplicate:	**B0102199-02A-MSD**	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/6/01 2:09:00AM	Matrix:	Soil
QC Sample Analysis Date:	3/6/01 2:42:00AM	QC DUPSample Analysis Date:	3/6/01 3:15:00AM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
Dibromomethane	ND	17.1	23.2	23.2	74	23.2	100	80	120	30.40	OUT	LOW
Dichlorodifluoromethane	ND	17.4	15.4	23.2	75	23.2	66	60	140	12.10		
Ethylbenzene	ND	16.7	22.2	23.2	72	23.2	96	80	120	28.33	OUT	LOW
Hexachlorobutadiene	ND	15.3	23.3	23.2	66	23.2	100	80	120	41.23	OUT	LOW
Iodomethane	ND	14.9	17.3	23.2	64	23.2	74	80	120	14.50		LOW
Isopropylbenzene	ND	20.9	27.3	23.2	90	23.2	118	80	120	26.44	OUT	
m&p Xylenes	ND	36.8	47.6	46.4	79	46.4	103	80	120	25.72	OUT	LOW
Methylene Chloride	21.0	37.8	47.1	23.2	72	23.2	113	60	140	43.37	OUT	
Naphthalene	ND	9.20	14.8	23.2	40	23.2	64	80	120	46.76	OUT	LOW
n-Butylbenzene	ND	19.6	25.8	23.2	84	23.2	111	80	120	27.51	OUT	
n-Propylbenzene	ND	19.8	25.3	23.2	85	23.2	109	80	120	24.61	OUT	
O-Xylene	ND	18.3	24.3	23.2	79	23.2	105	80	120	28.26	OUT	LOW
sec-Butylbenzene	ND	21.6	30.2	23.2	93	23.2	130	80	120	33.35	OUT	HIGH
Styrene	ND	12.8	17.8	23.2	55	23.2	77	80	120	32.84	OUT	LOW
tert-Butyl Methyl Ether	ND	20.4	27.8	23.2	88	23.2	120	80	120	30.82	OUT	HIGH
tert-Butylbenzene	ND	22.4	30.1	23.2	96	23.2	130	80	120	29.34	OUT	HIGH
Tetrachloroethene	44.7	71.0	80.7	23.2	113	23.2	155	80	120	31.16	OUT	HIGH
Toluene	ND	18.4	24.8	23.2	79	23.2	107	80	120	29.32	OUT	LOW
trans-1,2-Dichloroethene	ND	18.2	22.1	23.2	78	23.2	95	80	120	19.31		LOW
trans-1,3-Dichloropropene	ND	12.6	16.8	23.2	54	23.2	72	80	120	28.37	OUT	LOW
trans-1,4-Dichloro-2 Buten	ND	13.8	17.3	23.2	60	23.2	75	80	120	22.21	OUT	LOW
Trichloroethene	ND	14.0	20.4	23.2	60	23.2	88	80	120	37.11	OUT	LOW
Trichlorofluoromethane	ND	22.6	18.8	23.2	97	23.2	81	50	118	18.39		
Trichlorotrifluoroethane	ND	20.8	27.7	23.2	90	23.2	119	60	140	28.38	OUT	
Vinyl Acetate	ND	2.48	5.27	23.2	11	23.2	23	60	140	71.86	OUT	LOW
Vinyl Chloride	ND	19.9	16.6	23.2	86	23.2	72	60	140	18.03		

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

QC Recovery Report

Work Order: B0102199

Prep Batch Number: B010307011

Base Sample	B0102199-02A	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B0102199-02A-MS	Sample Prep Date:	3/5/01 12:00:00AM
QC Duplicate:	B0102199-02A-MSD	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/6/01 2:09:00AM	Matrix:	Soil
QC Sample Analysis Date:	3/6/01 2:42:00AM	QC DUPSample Analysis Date:	3/6/01 3:15:00AM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
Surrogates:												
1,2-Dichloroethane-d4	51.1	48.0	49.0	58.0	83	58.0	85	50	150	2.13		
Dibromofluoromethane	61.9	57.7	57.6	58.0	99	58.0	99	80	120	0.24		
p-Bromofluorobenzene	57.8	59.7	60.1	58.0	103	58.0	104	74	121	0.60		
Toluene D-8	56.8	59.6	58.4	58.0	103	58.0	101	81	117	2.10		

Base Sample	B010307011-MB	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B010307011-LCS	Sample Prep Date:	3/5/01 12:00:00AM
QC Duplicate:	B010307011-LCSD	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/5/01 10:51:00PM	Matrix:	Soil
QC Sample Analysis Date:	3/5/01 11:24:00PM	QC DUPSample Analysis Date:	3/5/01 11:57:00PM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
1,1,1,2-Tetrachloroethane	ND	20.2	20.8	20.0	101	20.0	104	80	120	2.54		
1,1,1-Trichloroethane	ND	18.1	18.0	20.0	90	20.0	90	80	120	0.55		
1,1,2,2-Tetrachloroethane	ND	16.3	18.7	20.0	82	20.0	93	80	120	13.49		
1,1,2-Trichloroethane	ND	20.0	20.4	20.0	100	20.0	102	80	120	2.23		
1,1-Dichloroethane	ND	20.2	20.1	20.0	101	20.0	101	80	120	0.45		
1,1-Dichloroethene	ND	17.5	17.8	20.0	88	20.0	89	74	140	1.19		
1,1-Dichloropropene	ND	16.6	16.2	20.0	83	20.0	81	80	120	2.63		
1,2,3-Trichlorobenzene	ND	8.70	12.1	20.0	44	20.0	60	80	120	32.29	OUT	LOW
1,2,3-Trichloropropane	ND	17.6	20.2	20.0	88	20.0	101	80	120	13.85		
1,2,4-Trichlorobenzene	ND	9.49	13.0	20.0	47	20.0	65	80	120	31.29	OUT	LOW
1,2,4-Trimethylbenzene	ND	18.2	19.2	20.0	91	20.0	96	80	120	5.78		
1,2-Dibromo-3-Chloropropane	ND	8.83	15.2	20.0	44	20.0	76	80	120	53.02	OUT	LOW
1,2-Dibromoethane	ND	20.4	20.7	20.0	102	20.0	104	80	120	1.75		
1,2-Dichlorobenzene	ND	17.6	20.2	20.0	88	20.0	101	80	120	13.82		

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

QC Recovery Report

*Work Order:*B0102199

Prep Batch Number: B010307011

Base Sample	B010307011-MB	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B010307011-LCS	Sample Prep Date:	3/5/01 12:00:00AM
QC Duplicate:	B010307011-LCSD	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/5/01 10:51:00PM	Matrix:	Soil
QC Sample Analysis Date:	3/5/01 11:24:00PM	QC DUPSample Analysis Date:	3/5/01 11:57:00PM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
1,2-Dichloroethane	ND	19.5	19.1	20.0	97	20.0	95	80	120	2.18		
1,2-Dichloropropane	ND	20.3	20.1	20.0	102	20.0	101	80	120	1.09		
1,3,5-Trimethylbenzene	ND	17.7	19.0	20.0	88	20.0	95	80	120	7.10		
1,3-Dichlorobenzene	ND	18.4	20.6	20.0	92	20.0	103	80	120	11.55		
1,3-Dichloropropane	ND	20.2	19.8	20.0	101	20.0	99	80	120	2.00		
2,2-Dichloropropane	ND	17.4	16.5	20.0	87	20.0	83	80	120	4.90		
2-Butanone	ND	17.6	20.5	20.0	88	20.0	102	60	140	15.23		
2-Chloroethyl Vinyl Ether	ND	19.3	19.8	20.0	97	20.0	99	60	140	2.35		
2-Chlorotoluene	ND	18.2	19.0	20.0	91	20.0	95	80	120	3.98		
2-Hexanone	ND	17.9	18.4	20.0	90	20.0	92	60	140	2.59		
4-Chlorotoluene	ND	18.3	19.0	20.0	92	20.0	95	80	120	3.75		
4-Isopropyltoluene	ND	16.3	18.3	20.0	81	20.0	91	80	120	11.63		
4-Methyl-2-Pentanone	ND	18.4	18.7	20.0	92	20.0	93	80	120	1.35		
Acetone	ND	20.8	25.2	20.0	104	20.0	126	60	140	18.82		
Acrylonitrile	ND	20.8	21.6	20.0	104	20.0	108	60	140	3.83		
Benzene	ND	18.6	18.8	20.0	93	20.0	94	80	120	0.96		
Bromobenzene	ND	20.7	20.5	20.0	104	20.0	102	80	120	1.17		
Bromochloromethane	ND	24.3	23.2	20.0	121	20.0	116	80	120	4.68		HIGH
Bromodichloromethane	ND	20.9	20.5	20.0	105	20.0	103	80	120	1.79		
Bromoform	ND	18.4	19.2	20.0	92	20.0	96	80	120	4.05		
Bromomethane	ND	17.4	15.6	20.0	87	20.0	78	51	131	11.09		
Carbon Disulfide	ND	16.9	17.7	20.0	85	20.0	88	80	120	4.34		
Carbon Tetrachloride	ND	19.0	19.2	20.0	95	20.0	96	80	120	0.79		
Chlorobenzene	ND	20.0	20.1	20.0	100	20.0	101	80	120	0.80		
Chloroethane	ND	19.8	19.8	20.0	99	20.0	99	62	133	0.35		
Chloroform	ND	20.8	20.2	20.0	104	20.0	101	80	120	2.78		
Chloromethane	ND	16.7	17.9	20.0	84	20.0	89	60	140	6.64		

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: **Independent Lift Truck**

Client: **Terrasat, Inc.**

Client Project Number: **20100A**

QC Recovery Report

*Work Order:*B0102199

Prep Batch Number: **B010307011**

Base Sample	**B010307011-MB**	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	**B010307011-LCS**	Sample Prep Date:	3/5/01 12:00:00AM
QC Duplicate:	**B010307011-LCSD**	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/5/01 10:51:00PM	Matrix:	Soil
QC Sample Analysis Date:	3/5/01 11:24:00PM	QC DUPSample Analysis Date:	3/5/01 11:57:00PM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
Cis-1,2-Dichloroethene	ND	20.5	20.7	20.0	103	20.0	104	80	120	0.82		
Cis-1,3-Dichloropropene	ND	19.3	18.6	20.0	97	20.0	93	80	120	3.58		
Dibromochloromethane	ND	20.7	20.1	20.0	103	20.0	101	80	120	2.55		
Dibromomethane	ND	20.7	20.2	20.0	103	20.0	101	80	120	2.25		
Dichlorodifluoromethane	ND	13.8	13.2	20.0	69	20.0	66	60	140	4.08		
Ethylbenzene	ND	18.1	18.2	20.0	90	20.0	91	80	120	0.55		
Hexachlorobutadiene	ND	9.58	12.8	20.0	48	20.0	64	80	120	28.47	OUT	LOW
Iodomethane	ND	18.0	19.4	20.0	90	20.0	97	80	120	7.32		
Isopropylbenzene	ND	18.2	19.0	20.0	91	20.0	95	80	120	4.46		
m&p Xylenes	ND	38.0	37.9	40.0	95	40.0	95	80	120	0.29		
Methylene Chloride	ND	18.4	18.7	20.0	92	20.0	94	60	140	1.62		
Naphthalene	ND	9.09	12.9	20.0	45	20.0	64	80	120	34.50	OUT	LOW
n-Butylbenzene	ND	14.7	17.3	20.0	73	20.0	87	80	120	16.56		LOW
n-Propylbenzene	ND	16.9	17.8	20.0	84	20.0	89	80	120	5.30		
O-Xylene	ND	19.7	19.9	20.0	98	20.0	100	80	120	1.36		
sec-Butylbenzene	ND	16.1	17.6	20.0	80	20.0	88	80	120	8.74		
Styrene	ND	19.9	19.6	20.0	99	20.0	98	80	120	1.62		
tert-Butyl Methyl Ether	ND	22.2	21.8	20.0	111	20.0	109	80	120	1.55		
tert-Butylbenzene	ND	17.2	18.6	20.0	86	20.0	93	80	120	7.78		
Tetrachloroethene	ND	16.7	17.0	20.0	84	20.0	85	80	120	1.42		
Toluene	ND	18.4	18.5	20.0	92	20.0	93	80	120	0.70		
trans-1,2-Dichloroethene	ND	19.4	19.9	20.0	97	20.0	99	80	120	2.14		
trans-1,3-Dichloropropene	ND	18.9	18.5	20.0	94	20.0	93	80	120	1.93		
trans-1,4-Dichloro-2 Buten	ND	12.0	12.6	20.0	60	20.0	63	80	120	5.04		LOW
Trichloroethene	ND	18.1	17.5	20.0	90	20.0	87	80	120	3.44		
Trichlorofluoromethane	ND	18.9	17.6	20.0	94	20.0	88	50	118	6.92		
Trichlorotrifluoroethane	ND	16.3	14.8	20.0	82	20.0	74	60	140	9.50		

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: **Independent Lift Truck**
Client: **Terrasat, Inc.**
Client Project Number: **20100A**

QC Recovery Report

*Work Order:*B0102199

Prep Batch Number: B010307011

Base Sample	**B010307011-MB**	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	**B010307011-LCS**	Sample Prep Date:	3/5/01 12:00:00AM
QC Duplicate:	**B010307011-LCSD**	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/5/01 10:51:00PM	Matrix:	Soil
QC Sample Analysis Date:	3/5/01 11:24:00PM	QC DUPSample Analysis Date:	3/5/01 11:57:00PM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
Vinyl Acetate	ND	20.6	19.9	20.0	103	20.0	99	60	140	3.51		
Vinyl Chloride	ND	16.1	17.3	20.0	80	20.0	86	60	140	7.19		
Surrogates:												
1,2-Dichloroethane-d4	45.3	46.2	43.4	50.0	92	50.0	87	50	150	6.38		
Dibromofluoromethane	54.4	52.6	51.2	50.0	105	50.0	102	80	120	2.83		
p-Bromofluorobenzene	47.5	48.6	47.2	50.0	97	50.0	94	74	121	2.99		
Toluene D-8	46.4	49.8	46.5	50.0	100	50.0	93	81	117	6.83		

Prep Batch Number: B010309007

Base Sample	**B0102199-01A**	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	**B0102199-01A-MS**	Sample Prep Date:	3/8/01 12:00:00AM
QC Duplicate:	**B0102199-01A-MSD**	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/8/01 1:20:00PM	Matrix:	Soil
QC Sample Analysis Date:	3/8/01 1:53:00PM	QC DUPSample Analysis Date:	3/8/01 2:26:00PM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
1,1,1,2-Tetrachloroethane	ND	86.4	83.5	107	80	107	78	80	120	3.35		LOW
1,1,1-Trichloroethane	ND	91.8	85.8	107	85	107	80	80	120	6.78		LOW
1,1,2,2-Tetrachloroethane	ND	108	102	107	101	107	95	80	120	6.14		
1,1,2-Trichloroethane	ND	84.0	79.2	107	78	107	74	80	120	5.86		LOW
1,1-Dichloroethane	ND	90.5	85.9	107	84	107	80	80	120	5.18		LOW
1,1-Dichloroethene	ND	109	103	107	101	107	96	74	140	4.81		
1,1-Dichloropropene	ND	118	111	107	110	107	104	80	120	6.22		
1,2,3-Trichlorobenzene	ND	80.1	71.8	107	75	107	67	80	120	10.97		LOW
1,2,3-Trichloropropane	ND	109	99.7	107	102	107	93	80	120	9.00		
1,2,4-Trichlorobenzene	ND	81.4	73.5	107	76	107	68	80	120	10.12		LOW
1,2,4-Trimethylbenzene	ND	95.3	85.9	107	89	107	80	80	120	10.38		LOW

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

QC Recovery Report

Work Order: B0102199

Prep Batch Number: B010309007

Base Sample	B0102199-01A	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B0102199-01A-MS	Sample Prep Date:	3/8/01 12:00:00AM
QC Duplicate:	B0102199-01A-MSD	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/8/01 1:20:00PM	Matrix:	Soil
QC Sample Analysis Date:	3/8/01 1:53:00PM	QC DUPSample Analysis Date:	3/8/01 2:26:00PM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
1,2-Dibromo-3-Chloropropane	ND	99.3	93.6	107	92	107	87	80	120	5.90		
1,2-Dibromoethane	ND	81.0	72.8	107	75	107	68	80	120	10.69		LOW
1,2-Dichlorobenzene	ND	78.6	72.5	107	73	107	67	80	120	8.18		LOW
1,2-Dichloroethane	ND	73.5	71.3	107	68	107	66	80	120	3.12		LOW
1,2-Dichloropropane	ND	93.5	87.0	107	87	107	81	80	120	7.26		
1,3,5-Trimethylbenzene	ND	101	92.8	107	94	107	86	80	120	8.38		
1,3-Dichlorobenzene	ND	84.5	78.3	107	79	107	73	80	120	7.72		LOW
1,3-Dichloropropane	ND	96.1	91.6	107	89	107	85	80	120	4.81		
2,2-Dichloropropane	ND	124	117	107	115	107	109	80	120	5.43		
2-Butanone	ND	117	100	107	109	107	93	60	140	15.51		
2-Chloroethyl Vinyl Ether	ND	84.1	76.8	107	78	107	71	60	140	9.08		
2-Chlorotoluene	ND	96.5	90.2	107	90	107	84	80	120	6.79		
2-Hexanone	ND	139	121	107	130	107	112	60	140	14.29		
4-Chlorotoluene	ND	88.7	83.0	107	83	107	77	80	120	6.63		LOW
4-Isopropyltoluene	ND	108	99.9	107	101	107	93	80	120	7.86		
4-Methyl-2-Pentanone	ND	125	101	107	116	107	94	80	120	20.89	OUT	
Acetone	25.1	148	123	107	138	107	115	60	140	18.44		
Acrylonitrile	ND	108	93.6	107	101	107	87	60	140	14.58		
Benzene	ND	102	96.3	107	95	107	90	80	120	5.48		
Bromobenzene	ND	85.9	84.7	107	80	107	79	80	120	1.51		LOW
Bromochloromethane	ND	82.4	77.0	107	77	107	72	80	120	6.87		LOW
Bromodichloromethane	ND	81.6	79.9	107	76	107	74	80	120	2.19		LOW
Bromoform	ND	97.9	90.5	107	91	107	84	80	120	7.93		
Bromomethane	ND	85.9	73.0	107	80	107	68	51	131	16.22		
Carbon Disulfide	ND	131	125	107	122	107	116	80	120	4.62		HIGH
Carbon Tetrachloride	ND	115	107	107	107	107	99	80	120	7.08		

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck

Client: Terrasat, Inc.

Client Project Number: 20100A

QC Recovery Report

Work Order: B0102199

Prep Batch Number: B010309007

Base Sample	B0102199-01A	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B0102199-01A-MS	Sample Prep Date:	3/8/01 12:00:00AM
QC Duplicate:	B0102199-01A-MSD	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/8/01 1:20:00PM	Matrix:	Soil
QC Sample Analysis Date:	3/8/01 1:53:00PM	QC DUPSample Analysis Date:	3/8/01 2:26:00PM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
Chlorobenzene	ND	89.5	85.1	107	83	107	79	80	120	5.11		LOW
Chloroethane	ND	96.8	109	107	90	107	101	62	133	11.75		
Chloroform	ND	82.2	80.1	107	77	107	75	80	120	2.65		LOW
Chloromethane	ND	102	102	107	95	107	95	60	140	0.16		
Cis-1,2-Dichloroethene	ND	95.7	91.6	107	89	107	85	80	120	4.30		
Cis-1,3-Dichloropropene	ND	99.8	97.8	107	93	107	91	80	120	2.01		
Dibromochloromethane	ND	88.4	87.3	107	82	107	81	80	120	1.28		
Dibromomethane	ND	81.8	75.9	107	76	107	71	80	120	7.43		LOW
Dichlorodifluoromethane	ND	150	117	107	139	107	109	60	140	24.49	OUT	
Ethylbenzene	ND	97.4	89.9	107	91	107	84	80	120	8.03		
Hexachlorobutadiene	ND	108	92.3	107	101	107	86	80	120	15.85		
Iodomethane	ND	105	104	107	98	107	97	80	120	1.03		
Isopropylbenzene	ND	107	99.3	107	99	107	92	80	120	7.30		
m&p Xylenes	5.21	201	184	215	94	215	86	80	120	8.97		
Methylene Chloride	19.9	114	110	107	106	107	102	60	140	3.84		
Naphthalene	ND	80.5	72.8	107	75	107	68	80	120	10.02		LOW
n-Butylbenzene	ND	119	105	107	111	107	98	80	120	12.50		
n-Propylbenzene	ND	104	96.1	107	96	107	89	80	120	7.58		
O-Xylene	ND	92.9	88.1	107	86	107	82	80	120	5.34		
sec-Butylbenzene	ND	120	107	107	112	107	99	80	120	11.99		
Styrene	ND	88.9	82.2	107	83	107	77	80	120	7.78		LOW
tert-Butyl Methyl Ether	ND	93.3	91.1	107	87	107	85	80	120	2.39		
tert-Butylbenzene	ND	108	98.2	107	101	107	91	80	120	9.78		
Tetrachloroethene	127	240	196	107	105	107	64	80	120	48.67	OUT	LOW
Toluene	ND	92.8	83.6	107	86	107	78	80	120	10.41		LOW
trans-1,2-Dichloroethene	ND	120	110	107	112	107	102	80	120	9.05		
trans-1,3-Dichloropropene	ND	93.2	90.3	107	87	107	84	80	120	3.10		

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

QC Recovery Report

Work Order: B0102199

Prep Batch Number: B010309007

Base Sample	B0102199-01A	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B0102199-01A-MS	Sample Prep Date:	3/8/01 12:00:00AM
QC Duplicate:	B0102199-01A-MSD	Analysis Units:	ug/Kg
SampleAnalysis Date:	3/8/01 1:20:00PM	Matrix:	Soil
QC Sample Analysis Date:	3/8/01 1:53:00PM	QC DUPSample Analysis Date:	3/8/01 2:26:00PM

Analyte	Samp. Result	Spike Res.	Sp Dup Res	Spike Conc	Recov	SpikeDup Conc	SPDUP.REC	LCL	UCL	RPD	RPD Fl	Rec Fl
trans-1,4-Dichloro-2 Buten	ND	167	141	107	155	107	131	80	120	16.77		HIGH
Trichloroethene	ND	100	85.2	107	93	107	79	80	120	16.00		LOW
Trichlorofluoromethane	ND	135	129	107	125	107	120	50	118	4.40		HIGH
Trichlorotrifluoroethane	ND	154	159	107	143	107	148	60	140	3.12		HIGH
Vinyl Acetate	ND	66.3	63.0	107	62	107	59	60	140	5.07		LOW
Vinyl Chloride	ND	115	113	107	107	107	105	60	140	2.03		
Surrogates:												
1,2-Dichloroethane-d4	210	219	213	269	82	269	79	50	150	2.89		
Dibromofluoromethane	271	272	263	269	101	269	98	80	120	3.28		
p-Bromofluorobenzene	244	258	266	269	96	269	99	74	121	3.36		
Toluene D-8	305	309	310	269	115	269	116	81	117	0.50		

Base Sample	B010309007-MB	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B010309007-LCS	Sample Prep Date:	3/8/01 12:00:00AM
		Analysis Units:	ug/Kg
SampleAnalysis Date:	3/8/01 10:34:00AM	Matrix:	Soil
QC Sample Analysis Date:	3/8/01 11:07:00AM	QC DUPSample Analysis Date:	

Analyte	Samp. Result	Spike Res.	Spike Conc	Recov	LCL	UCL	RPD	Rec Fl
1,1,1,2-Tetrachloroethane	ND	19.1	20.0	96	80	120		
1,1,1-Trichloroethane	ND	20.7	20.0	104	80	120		
1,1,2,2-Tetrachloroethane	ND	20.6	20.0	103	80	120		
1,1,2-Trichloroethane	ND	19.2	20.0	96	80	120		
1,1-Dichloroethane	ND	19.3	20.0	96	80	120		
1,1-Dichloroethene	ND	22.7	20.0	114	74	140		
1,1-Dichloropropene	ND	22.4	20.0	112	80	120		
1,2,3-Trichlorobenzene	ND	19.9	20.0	99	80	120		

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck

Client: Terrasat, Inc.

Client Project Number: 20100A

QC Recovery Report

*Work Order:*B0102199

Prep Batch Number: B010309007

Base Sample	B010309007-MB	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B010309007-LCS	Sample Prep Date:	3/8/01 12:00:00AM
		Analysis Units:	ug/Kg
SampleAnalysis Date:	3/8/01 10:34:00AM	Matrix:	Soil
QC Sample Analysis Date:	3/8/01 11:07:00AM	QC DUPSample Analysis Date:	

Analyte	Samp. Result	Spike Res.	Spike Conc	Recov	LCL	UCL	RPD	Rec Fl
1,2,3-Trichloropropane	ND	20.4	20.0	102	80	120		
1,2,4-Trichlorobenzene	ND	19.8	20.0	99	80	120		
1,2,4-Trimethylbenzene	ND	19.3	20.0	96	80	120		
1,2-Dibromo-3-Chloropropane	ND	20.0	20.0	100	80	120		
1,2-Dibromoethane	ND	18.7	20.0	93	80	120		
1,2-Dichlorobenzene	ND	19.7	20.0	99	80	120		
1,2-Dichloroethane	ND	18.6	20.0	93	80	120		
1,2-Dichloropropane	ND	18.6	20.0	93	80	120		
1,3,5-Trimethylbenzene	ND	19.4	20.0	97	80	120		
1,3-Dichlorobenzene	ND	19.5	20.0	98	80	120		
1,3-Dichloropropane	ND	19.0	20.0	95	80	120		
2,2-Dichloropropane	ND	24.0	20.0	120	80	120		
2-Butanone	ND	18.4	20.0	92	60	140		
2-Chloroethyl Vinyl Ether	ND	19.2	20.0	96	60	140		
2-Chlorotoluene	ND	20.4	20.0	102	80	120		
2-Hexanone	ND	19.7	20.0	99	60	140		
4-Chlorotoluene	ND	19.1	20.0	95	80	120		
4-Isopropyltoluene	ND	20.4	20.0	102	80	120		
4-Methyl-2-Pentanone	ND	18.9	20.0	94	80	120		
Acetone	ND	18.9	20.0	94	60	140		
Acrylonitrile	ND	18.9	20.0	94	60	140		
Benzene	ND	20.1	20.0	100	80	120		
Bromobenzene	ND	19.3	20.0	96	80	120		
Bromochloromethane	ND	19.4	20.0	97	80	120		
Bromodichloromethane	ND	19.1	20.0	95	80	120		
Bromoform	ND	19.2	20.0	96	80	120		

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

QC Recovery Report

*Work Order:*B0102199

Prep Batch Number: B010309007

Base Sample	B010309007-MB	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B010309007-LCS	Sample Prep Date:	3/8/01 12:00:00AM
		Analysis Units:	ug/Kg
SampleAnalysis Date:	3/8/01 10:34:00AM	Matrix:	Soil
QC Sample Analysis Date:	3/8/01 11:07:00AM	QC DUPSample Analysis Date:	

Analyte	Samp. Result	Spike Res.	Spike Conc	Recov	LCL	UCL	RPD	Rec Fl
Bromomethane	ND	13.3	20.0	67	51	131		
Carbon Disulfide	ND	22.8	20.0	114	80	120		
Carbon Tetrachloride	ND	21.1	20.0	106	80	120		
Chlorobenzene	ND	19.4	20.0	97	80	120		
Chloroethane	ND	22.0	20.0	110	62	133		
Chloroform	ND	18.9	20.0	95	80	120		
Chloromethane	ND	18.7	20.0	93	60	140		
Cis-1,2-Dichloroethene	ND	19.8	20.0	99	80	120		
Cis-1,3-Dichloropropene	ND	20.1	20.0	101	80	120		
Dibromochloromethane	ND	19.2	20.0	96	80	120		
Dibromomethane	ND	18.8	20.0	94	80	120		
Dichlorodifluoromethane	ND	27.1	20.0	135	60	140		
Ethylbenzene	ND	19.6	20.0	98	80	120		
Hexachlorobutadiene	ND	20.2	20.0	101	80	120		
Iodomethane	ND	20.4	20.0	102	80	120		
Isopropylbenzene	ND	20.4	20.0	102	80	120		
m&p Xylenes	ND	41.0	40.0	102	80	120		
Methylene Chloride	ND	18.7	20.0	94	60	140		
Naphthalene	ND	19.9	20.0	100	80	120		
n-Butylbenzene	ND	21.1	20.0	105	80	120		
n-Propylbenzene	ND	19.9	20.0	99	80	120		
O-Xylene	ND	19.9	20.0	99	80	120		
sec-Butylbenzene	ND	20.6	20.0	103	80	120		
Styrene	ND	20.2	20.0	101	80	120		
tert-Butyl Methyl Ether	ND	19.9	20.0	99	80	120		
tert-Butylbenzene	ND	19.6	20.0	98	80	120		
Tetrachloroethene	ND	21.1	20.0	105	80	120		

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: Independent Lift Truck
Client: Terrasat, Inc.
Client Project Number: 20100A

QC Recovery Report

*Work Order:*B0102199

Prep Batch Number: B010309007

Base Sample	B010309007-MB	Anal. Method:	Volatiles by GC/MS (SW 8260B)
QC Sample	B010309007-LCS	Sample Prep Date:	3/8/01 12:00:00AM
		Analysis Units:	ug/Kg
SampleAnalysis Date:	3/8/01 10:34:00AM	Matrix:	Soil
QC Sample Analysis Date:	3/8/01 11:07:00AM	QC DUPSample Analysis Date:	

Analyte	Samp. Result	Spike Res.	Spike Conc	Recov	LCL	UCL	RPD	Rec Fl
Toluene	ND	18.9	20.0	94	80	120		
trans-1,2-Dichloroethene	ND	20.9	20.0	105	80	120		
trans-1,3-Dichloropropene	ND	19.5	20.0	98	80	120		
trans-1,4-Dichloro-2 Buten	ND	22.5	20.0	112	80	120		
Trichloroethene	ND	19.6	20.0	98	80	120		
Trichlorofluoromethane	ND	27.9	20.0	139	50	118		
Trichlorotrifluoroethane	ND	28.8	20.0	144	60	140		
Vinyl Acetate	ND	21.4	20.0	107	60	140		
Vinyl Chloride	ND	19.1	20.0	96	60	140		
Surrogates:								
1,2-Dichloroethane-d4	44.5	45.1	50.0	90	50	150		
Dibromofluoromethane	54.7	53.7	50.0	107	80	120		
p-Bromofluorobenzene	43.6	45.6	50.0	91	74	121		
Toluene D-8	51.3	52.1	50.0	104	81	117		

FOOTNOTES TO QC REPORT

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

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

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable and is shown as 0. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparson should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B0102199

Project: **Independent Lift Truck**

Client: **Terrasat, Inc.**

Client Project Number: **20100A**

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **2,275** **Lab Project Number:** **B0102199**

Test: Percent Moisture (ASTM D2216) Prep Date: 3/2/01

Lab Method Blank Id: B010305004-MB

Prep Batch ID: B010305004

Method: Percent Moisture (ASTM D2216)

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

SampleNum	ClientSampleName	DataFile	AnalysisDate
B0102199-01A	TH1-1.0		3/5/01 11:12:36AM
B0102199-02A	TH1-6.0		3/5/01 11:12:36AM
B0103010-01B	Batch QC		3/5/01 11:12:36AM
B0103010-01B-DUP	DUP		3/5/01 11:12:36AM

Test: Volatiles by GC/MS (SW 8260B) Prep Date: 3/5/01

Lab Method Blank Id: B010307011-MB

Prep Batch ID: B010307011

Method: Volatiles by GC/MS (SW 8260B)

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

SampleNum	ClientSampleName	DataFile	AnalysisDate
B010307011-LCS	LCS	01030527.D	3/5/01 11:24:00PM
B010307011-LCSD	LCSD	01030528.D	3/5/01 11:57:00PM
B0102199-02A	TH1-6.0	01030532.D	3/6/01 2:09:00AM
B0102199-02A-MS	MS	01030533.D	3/6/01 2:42:00AM
B0102199-02A-MSD	MSD	01030534.D	3/6/01 3:15:00AM

Test: Volatiles by GC/MS (SW 8260B) Prep Date: 3/8/01

Lab Method Blank Id: B010309007-MB

Prep Batch ID: B010309007

Method: Volatiles by GC/MS (SW 8260B)

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

SampleNum	ClientSampleName	DataFile	AnalysisDate
B010309007-LCS	LCS	01030805.D	3/8/01 11:07:00AM
B0102199-01A	TH1-1.0	01030809.D	3/8/01 1:20:00PM
B0102199-01A-MS	MS	01030810.D	3/8/01 1:53:00PM
B0102199-01A-MSD	MSD	01030811.D	3/8/01 2:26:00PM

Workorder (SDG): B0102199

Project: **Independent Lift Truck**

Client: **Terrasat, Inc.**

Client Project Number: **20100A**

DATA FLAGS AND DEFINITIONS

Result Field:

ND = Not Detected at or above the Reporting Limit Shown

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

Qualifier Fields:

LOW = Recovery is below Low Control Limit

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

E = Reported concentration is above the instrument calibration upper range

DIL = Sample required dilution to bring analytes within calibration range of the instrument. At the dilution level required, the surrogate could not be quantified due to the resulting low surrogate concentration and/or coelution interference from the sample.

Organic Analysis Flags:

B = Analyte was detected in the laboratory method blank

J = Analyte was detected above 2 x MDL but below the Reporting Limit (Quant Limit)

Inorganic Analysis Flags:

B = Analyte was detected above the MDL or IDL but below the Reporting Limit

W = Post digestion spike did not meet criteria

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

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: TH1-1.0
Lab Sample Number: A0102050-01A
Matrix: Soil
Analytical Method ID: AK 101 GRO in Soil
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 3/1/01 10:29:00AM
Instrument: Boris
File Name: B1030104.D
Dilution Factor: 1
Percent Moisture 5.77

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Gasoline Range Organics	n/a	2.2		mg/Kg	1.2	0.25				
Surrogate Results:										
Bromofluorobenzene	1072-85-1	1.4		mg/Kg	0.15	0.030	1.5	95.6	50	150
Difluorobenzene	540-36-3	0.71		mg/Kg	0.0060	0.0012	0.74	95.3	50	150

Report Section: Client Sample Report

Client Sample Name: TH1-6.0
Lab Sample Number: A0102050-02A
Matrix: Soil
Analytical Method ID: AK 101 GRO in Soil
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 3/1/01 11:05:00AM
Instrument: Boris
File Name: B1030105.D
Dilution Factor: 1
Percent Moisture 12

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Gasoline Range Organics	n/a	ND		mg/Kg	1.2	0.24				
Surrogate Results:										
Bromofluorobenzene	1072-85-1	1.1		mg/Kg	0.14	0.029	1.4	79.4	50	150
Difluorobenzene	540-36-3	0.69		mg/Kg	0.0058	0.0012	0.72	96.3	50	150

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: TH2-1.0
Lab Sample Number: A0102050-03A
Matrix: Soil
Analytical Method ID: GRO/BTEX by AK101/SW-8021B
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 3/1/01 11:40:00AM
Instrument: Boris
File Name: B1030106.D
Dilution Factor: 1
Percent Moisture 3.61

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Benzene	71-43-2	ND		mg/Kg	0.0051	0.0010				
Ethylbenzene	100-41-4	0.0061		mg/Kg	0.0045	0.00090				
Gasoline Range Organics	n/a	ND		mg/Kg	0.90	0.18				
Toluene	108-88-3	0.022		mg/Kg	0.0034	0.00069				
Xylenes, Total	1330-20-7	0.040		mg/Kg	0.010	0.0021				
Surrogate Results:										
Bromofluorobenzene	1072-85-1	1.1		mg/Kg	0.11	0.022	1.1	102.3	50	150
Bromofluorobenzene(PID)	1072-85-1	0.90		mg/Kg	0.11	0.022	1.1	82.8	50	150
Difluorobenzene	540-36-3	0.52		mg/Kg	0.0044	0.00087	0.54	96.0	50	150
Difluorobenzene(PID)	540-36-3	0.51		mg/Kg	0.0044	0.00087	0.54	94.2	50	150

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: TH2-4.0
Lab Sample Number: A0102050-04A
Matrix: Soil
Analytical Method ID: GRO/BTEX by AK101/SW-8021B
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 3/1/01 12:15:00PM
Instrument: Boris
File Name: B1030107.D
Dilution Factor: 1
Percent Moisture 15

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Benzene	71-43-2	ND		mg/Kg	0.0069	0.0014				
Ethylbenzene	100-41-4	ND		mg/Kg	0.0061	0.0012				
Gasoline Range Organics	n/a	ND		mg/Kg	1.2	0.25				
Toluene	108-88-3	0.0047		mg/Kg	0.0047	0.00094				
Xylenes, Total	1330-20-7	ND		mg/Kg	0.014	0.0028				
Surrogate Results:										
Bromofluorobenzene	1072-85-1	1.2		mg/Kg	0.15	0.030	1.5	83.1	50	150
Bromofluorobenzene(PID)	1072-85-1	1.1		mg/Kg	0.15	0.030	1.5	73.2	50	150
Difluorobenzene	540-36-3	0.71		mg/Kg	0.0059	0.0012	0.74	95.5	50	150
Difluorobenzene(PID)	540-36-3	0.69		mg/Kg	0.0059	0.0012	0.74	93.7	50	150

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: TH3-1.0
Lab Sample Number: A0102050-06A
Matrix: Soil
Analytical Method ID: GRO/BTEX by AK101/SW-8021B
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 3/1/01 1:25:00PM
Instrument: Boris
File Name: B1030109.D
Dilution Factor: 1
Percent Moisture 7.30

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Benzene	71-43-2	ND		mg/Kg	0.0053	0.0011				
Ethylbenzene	100-41-4	ND		mg/Kg	0.0047	0.00093				
Gasoline Range Organics	n/a	ND		mg/Kg	0.93	0.19				
Toluene	108-88-3	ND		mg/Kg	0.0036	0.00071				
Xylenes, Total	1330-20-7	ND		mg/Kg	0.011	0.0022				
Surrogate Results:										
Bromofluorobenzene	1072-85-1	1.1		mg/Kg	0.11	0.023	1.1	98.7	50	150
Bromofluorobenzene(PID)	1072-85-1	0.92		mg/Kg	0.11	0.023	1.1	81.3	50	150
Difluorobenzene	540-36-3	0.53		mg/Kg	0.0045	0.00090	0.56	94.3	50	150
Difluorobenzene(PID)	540-36-3	0.53		mg/Kg	0.0045	0.00090	0.56	94.5	50	150

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: TH3-4.0
Lab Sample Number: A0102050-07A
Matrix: Soil
Analytical Method ID: GRO/BTEX by AK101/SW-8021B
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 3/1/01 2:01:00PM
Instrument: Boris
File Name: B1030110.D
Dilution Factor: 1
Percent Moisture 14

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Benzene	71-43-2	ND		mg/Kg	0.0068	0.0014				
Ethylbenzene	100-41-4	ND		mg/Kg	0.0060	0.0012				
Gasoline Range Organics	n/a	ND		mg/Kg	1.2	0.24				
Toluene	108-88-3	0.0061		mg/Kg	0.0046	0.00091				
Xylenes, Total	1330-20-7	0.014		mg/Kg	0.014	0.0028				
Surrogate Results:										
Bromofluorobenzene	1072-85-1	1.4		mg/Kg	0.14	0.029	1.4	96.8	50	150
Bromofluorobenzene(PID)	1072-85-1	1.2		mg/Kg	0.14	0.029	1.4	79.8	50	150
Difluorobenzene	540-36-3	0.69		mg/Kg	0.0058	0.0012	0.72	95.2	50	150
Difluorobenzene(PID)	540-36-3	0.68		mg/Kg	0.0058	0.0012	0.72	94.3	50	150

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: TH2A-4.0
Lab Sample Number: A0102050-05A
Matrix: Soil
Analytical Method ID: BTEX by AK 101/8021B soil
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 3/1/01 12:50:00PM
Instrument: Boris
File Name: B1030108.D
Dilution Factor: 1
Percent Moisture 17

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Benzene	71-43-2	ND		mg/Kg	0.0074	0.0015				
Ethylbenzene	100-41-4	ND		mg/Kg	0.0065	0.0013				
Toluene	108-88-3	0.0062		mg/Kg	0.0050	0.0010				
Xylenes, Total	1330-20-7	0.016		mg/Kg	0.015	0.0030				
Surrogate Results:										
Bromofluorobenzene(PID)	1072-85-1	1.2		mg/Kg	0.16	0.032	1.6	74.2	50	150
Difluorobenzene(PID)	540-36-3	0.74		mg/Kg	0.0063	0.0013	0.79	93.9	50	150

Report Section: Client Sample Report

Client Sample Name: Trip Blank
Lab Sample Number: A0102050-08A
Matrix: Soil
Analytical Method ID: BTEX by AK 101/8021B soil
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 3/1/01 2:36:00PM
Instrument: Boris
File Name: B1030111.D
Dilution Factor: 1
Percent Moisture Wet-Weight Basis

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Benzene	71-43-2	ND		mg/Kg	0.011	0.0023				
Ethylbenzene	100-41-4	ND		mg/Kg	0.010	0.0020				
Toluene	108-88-3	ND		mg/Kg	0.0077	0.0015				
Xylenes, Total	1330-20-7	ND		mg/Kg	0.023	0.0046				
Surrogate Results:										
Bromofluorobenzene(PID)	1072-85-1	2.2		mg/Kg	0.24	0.049	2.4	91.0	50	150
Difluorobenzene(PID)	540-36-3	1.1		mg/Kg	0.0097	0.0019	1.2	94.3	50	150

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: Batch QC
Lab Sample Number: A0102042-02A
Matrix: Soil
Analytical Method ID: DRO/RRO AK 102/103
Prep Method ID: 3550
Prep Batch Number: A010228002
RR #: 1

Collection Date: 2/16/01
Prep Date: 2/28/01
Analysis Date: 3/1/01 2:29:00PM
Instrument: Roo
File Name: R1030113.D
Dilution Factor: 1
Percent Moisture 8.79

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Diesel Range Organics	n/a	ND		mg/Kg	4.4	0.88				
Residual Range Organics	n/a	ND		mg/Kg	8.8	2.2				
Surrogate Results:										
o-Terphenyl	84-15-1	1.3		mg/Kg	0.044	0.011	2.2	58.5	50	150
Squalane	111-01-3	1.7		mg/Kg	0.044	0.011	2.2	79.4	50	150

Report Section: Client Sample Report

Client Sample Name: TH1-1.0
Lab Sample Number: A0102050-01B
Matrix: Soil
Analytical Method ID: DRO/RRO AK 102/103
Prep Method ID: 3550
Prep Batch Number: A010228002
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/28/01
Analysis Date: 3/1/01 3:21:00PM
Instrument: Roo
File Name: R1030116.D
Dilution Factor: 5
Percent Moisture 5.77

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Diesel Range Organics	n/a	140		mg/Kg	21	4.2				
Residual Range Organics	n/a	650		mg/Kg	42	11				
Surrogate Results:										
o-Terphenyl	84-15-1	1.7		mg/Kg	0.21	0.053	2.1	81.2	50	150
Squalane	111-01-3	2.4		mg/Kg	0.21	0.053	2.1	111.1	50	150

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: TH1-6.0
Lab Sample Number: A0102050-02B
Matrix: Soil
Analytical Method ID: DRO/RRO AK 102/103
Prep Method ID: 3550
Prep Batch Number: A010228002
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/28/01
Analysis Date: 3/2/01 5:29:00PM
Instrument: Roo
File Name: R1030220.D
Dilution Factor: 1
Percent Moisture 12

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Diesel Range Organics	n/a	35		mg/Kg	4.5	0.90				
Residual Range Organics	n/a	140		mg/Kg	9.0	2.3				
Surrogate Results:										
o-Terphenyl	84-15-1	2.4		mg/Kg	0.045	0.011	2.3	106.0	50	150
Squalane	111-01-3	3.1		mg/Kg	0.045	0.011	2.3	139.7	50	150

Report Section: Client Sample Report

Client Sample Name: TH2-1.0
Lab Sample Number: A0102050-03B
Matrix: Soil
Analytical Method ID: DRO/RRO AK 102/103
Prep Method ID: 3550
Prep Batch Number: A010228002
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/28/01
Analysis Date: 3/2/01 5:46:00PM
Instrument: Roo
File Name: R1030221.D
Dilution Factor: 10
Percent Moisture 3.61

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL	
Analyte Results:											
Diesel Range Organics	n/a	540		mg/Kg	41	8.1					
Residual Range Organics	n/a	770		mg/Kg	81	20					
Surrogate Results:											
o-Terphenyl	84-15-1	ND		mg/Kg	0.41	0.10	2.0		50	150	DIL
Squalane	111-01-3	2.1		mg/Kg	0.41	0.10	2.0	103.4	50	150	

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: TH2-4.0
Lab Sample Number: A0102050-04B
Matrix: Soil
Analytical Method ID: DRO/RRO AK 102/103
Prep Method ID: 3550
Prep Batch Number: A010228002
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/28/01
Analysis Date: 3/2/01 6:03:00PM
Instrument: Roo
File Name: R1030222.D
Dilution Factor: 1
Percent Moisture 15

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Diesel Range Organics	n/a	27		mg/Kg	4.7	0.94				
Residual Range Organics	n/a	290		mg/Kg	9.4	2.4				
Surrogate Results:										
o-Terphenyl	84-15-1	2.2		mg/Kg	0.047	0.012	2.4	93.0	50	150
Squalane	111-01-3	2.4		mg/Kg	0.047	0.012	2.4	102.9	50	150

Report Section: Client Sample Report

Client Sample Name: TH3-1.0
Lab Sample Number: A0102050-06B
Matrix: Soil
Analytical Method ID: DRO/RRO AK 102/103
Prep Method ID: 3550
Prep Batch Number: A010228002
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/28/01
Analysis Date: 3/2/01 6:21:00PM
Instrument: Roo
File Name: R1030224.D
Dilution Factor: 1
Percent Moisture 7.30

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Diesel Range Organics	n/a	9.6		mg/Kg	4.3	0.86				
Residual Range Organics	n/a	59		mg/Kg	8.6	2.2				
Surrogate Results:										
o-Terphenyl	84-15-1	2.3		mg/Kg	0.043	0.011	2.2	107.6	50	150
Squalane	111-01-3	2.5		mg/Kg	0.043	0.011	2.2	117.7	50	150

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Client Sample Report

Client Sample Name: TH3-4.0
Lab Sample Number: A0102050-07B
Matrix: Soil
Analytical Method ID: DRO/RRO AK 102/103
Prep Method ID: 3550
Prep Batch Number: A010228002
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/28/01
Analysis Date: 3/2/01 6:38:00PM
Instrument: Roo
File Name: R1030225.D
Dilution Factor: 1
Percent Moisture 14

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Diesel Range Organics	n/a	17		mg/Kg	4.6	0.92				
Residual Range Organics	n/a	170		mg/Kg	9.2	2.3				
Surrogate Results:										
o-Terphenyl	84-15-1	2.3		mg/Kg	0.046	0.012	2.3	99.1	50	150
Squalane	111-01-3	3.1		mg/Kg	0.046	0.012	2.3	133.5	50	150

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Method Blank Report

Client Sample Name: MB
Lab Sample Number: A010223001-MB
Matrix: Soil
Analytical Method ID: AK 101 GRO in Soil
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 2/28/01 2:15:00PM
Instrument: Boris
File Name: B1022808.D
Dilution Factor: 1

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Gasoline Range Organics	n/a	ND		mg/Kg	2.1	0.41				
Surrogate Results:										
Bromofluorobenzene	1072-85-1	2.4		mg/Kg	0.25	0.050	2.5	94.5	60	120
Difluorobenzene	540-36-3	1.2		mg/Kg	0.010	0.0020	1.3	98.7	60	120

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Method Blank Report

Client Sample Name: MB
Lab Sample Number: A010223001-MB
Matrix: Soil
Analytical Method ID: GRO/BTEX by AK101/SW-8021B
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 2/28/01 2:15:00PM
Instrument: Boris
File Name: B1022808.D
Dilution Factor: 1

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Benzene	71-43-2	ND		mg/Kg	0.012	0.0023				
Ethylbenzene	100-41-4	ND		mg/Kg	0.010	0.0021				
Gasoline Range Organics	n/a	ND		mg/Kg	2.1	0.41				
Toluene	108-88-3	ND		mg/Kg	0.0079	0.0016				
Xylenes, Total	1330-20-7	ND		mg/Kg	0.024	0.0048				
Surrogate Results:										
Bromofluorobenzene	1072-85-1	2.4		mg/Kg	0.25	0.050	2.5	94.5	60	120
Bromofluorobenzene(PID)	1072-85-1	2.3		mg/Kg	0.25	0.050	2.5	91.0	60	120
Difluorobenzene	540-36-3	1.2		mg/Kg	0.010	0.0020	1.3	98.7	60	120
Difluorobenzene(PID)	540-36-3	1.3		mg/Kg	0.010	0.0020	1.3	100.9	60	120

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Method Blank Report

Client Sample Name: MB
Lab Sample Number: A010223001-MB
Matrix: Soil
Analytical Method ID: BTEX by AK 101/8021B soil
Prep Method ID: 5030
Prep Batch Number: A010223001
RR #: 1

Collection Date: 2/23/01
Prep Date: 2/23/01
Analysis Date: 2/28/01 2:15:00PM
Instrument: Boris
File Name: B1022808.D
Dilution Factor: 1

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Benzene	71-43-2	ND		mg/Kg	0.012	0.0023				
Ethylbenzene	100-41-4	ND		mg/Kg	0.010	0.0021				
Toluene	108-88-3	ND		mg/Kg	0.0079	0.0016				
Xylenes, Total	1330-20-7	ND		mg/Kg	0.024	0.0048				
Surrogate Results:										
Bromofluorobenzene(PID)	1072-85-1	2.3		mg/Kg	0.25	0.050	2.5	91.0	60	120
Difluorobenzene(PID)	540-36-3	1.3		mg/Kg	0.010	0.0020	1.3	100.9	60	120

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

Project: Independent Lift Truck
Client: Terrasat Inc.
Client Project Number: Independent Lift Truck

Report Section: Method Blank Report

Client Sample Name: MB
Lab Sample Number: A010228002-MB
Matrix: Soil
Analytical Method ID: DRO/RRO AK 102/103
Prep Method ID: 3550
Prep Batch Number: A010228002
RR #: 1

Collection Date: 2/28/01
Prep Date: 2/28/01
Analysis Date: 3/1/01 11:55:00AM
Instrument: Roo
File Name: R1030107.D
Dilution Factor: 1

Analyte	CASNo	Result	Flags	Units	PQL	MDL	Spike	% Recov	LCL	UCL
Analyte Results:										
Diesel Range Organics	n/a	ND		mg/Kg	4.0	0.80				
Residual Range Organics	n/a	ND		mg/Kg	8.0	2.0				
Surrogate Results:										
o-Terphenyl	84-15-1	1.7		mg/Kg	0.040	0.0100	2.0	84.7	60	120
Squalane	111-01-3	2.1		mg/Kg	0.040	0.0100	2.0	105.6	60	120

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

QC Recovery Report

Work Order: A0102050

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

QC Recovery Report

Work Order: A0102050

Prep Batch Number: A010223001

Base Sample	**A010223001-MB**	Anal. Method:	BTEX by AK 101/8021B soil
Spike Sample	**A010223001-LCS**	Sample Prep Date:	2/23/01 12:00:00AM
Spike Duplicate:	**A010223001-LCSD**	Analysis Units:	mg/Kg
	LCS/LCSD Report	Matrix:	Soil

Analyte	Base Samp. Result	Spike Result	Sp. Dup Result	Spike Conc	Spike Recov	Sp. Dup Conc.	SpikeD Recov	RPD	LCL	UCL	RPD Lim.	Recov. Flag	RPD Flag
Analytes													
Benzene	ND	0.38	0.37	0.34	110.3	0.34	106.0	4.0	60	120	20		
Toluene	ND	2.1	2.0	2.1	97.4	2.1	94.8	2.7	60	120	20		
Ethylbenzene	ND	0.51	0.48	0.51	100.9	0.51	95.6	5.4	60	120	20		
Xylenes, Total	ND	2.6	2.5	2.5	103.9	2.5	101.0	2.8	60	120	20		
Surrogates:													
Bromofluorobenzene(PID)	2.3	2.2	2.1	2.5	88.0	2.5	84.4	4.1	60	120	20		
Difluorobenzene(PID)	1.3	1.4	1.3	1.3	110.7	1.3	107.4	3.0	60	120	20		

Base Sample	**A010223001-MB**	Anal. Method:	GRO/BTEX by AK101/SW-8021B
Spike Sample	**A010223001-LCS**	Sample Prep Date:	2/23/01 12:00:00AM
Spike Duplicate:	**A010223001-LCSD**	Analysis Units:	mg/Kg
	LCS/LCSD Report	Matrix:	Soil

Analyte	Base Samp. Result	Spike Result	Sp. Dup Result	Spike Conc	Spike Recov	Sp. Dup Conc.	SpikeD Recov	RPD	LCL	UCL	RPD Lim.	Recov. Flag	RPD Flag
Analytes													
Benzene	ND	0.38	0.37	0.34	110.3	0.34	106.0	4.0	60	120	20		
Toluene	ND	2.1	2.0	2.1	97.4	2.1	94.8	2.7	60	120	20		
Ethylbenzene	ND	0.51	0.48	0.51	100.9	0.51	95.6	5.4	60	120	20		
Xylenes, Total	ND	2.6	2.5	2.5	103.9	2.5	101.0	2.8	60	120	20		
Gasoline Range Organics	ND	28	28	28	100.3	28	100.2	0.2	60	120	20		
Surrogates:													
Difluorobenzene	1.2	1.3	1.3	1.3	102.4	1.3	100.4	2.0	60	120	20		
Bromofluorobenzene	2.4	2.4	2.4	2.5	94.5	2.5	96.8	2.4	60	120	20		
Bromofluorobenzene(PID)	2.3	2.2	2.1	2.5	88.0	2.5	84.4	4.1	60	120	20		
Difluorobenzene(PID)	1.3	1.4	1.3	1.3	110.7	1.3	107.4	3.0	60	120	20		

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

QC Recovery Report

Work Order: A0102050

Prep Batch Number: A010223001

Base Sample	**A010223001-MB**	Anal. Method:	AK 101 GRO in Soil
Spike Sample	**A010223001-LCS**	Sample Prep Date:	2/23/01 12:00:00AM
Spike Duplicate:	**A010223001-LCSD**	Analysis Units:	mg/Kg
LCS/LCSD Report		Matrix:	Soil

Analyte	Base Samp. Result	Spike Result	Sp. Dup Result	Spike Conc	Spike Recov	Sp. Dup Conc.	SpikeD Recov	RPD	LCL	UCL	RPD Lim.	Recov. Flag	RPD Flag
Analytes													
Gasoline Range Organics	ND	28	28	28	100.3	28	100.2	0.2	60	120	20		
Surrogates:													
Difluorobenzene	1.2	1.3	1.3	1.3	102.4	1.3	100.4	2.0	60	120	20		
Bromofluorobenzene	2.4	2.4	2.4	2.5	94.5	2.5	96.8	2.4	60	120	20		

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

QC Recovery Report

Work Order: A0102050

Prep Batch Number: A010228002

Base Sample	**A0102042-02A**	Anal. Method:	DRO/RRO AK 102/103
Spike Sample	**A0102042-02A-MS**	Sample Prep Date:	2/28/01 12:00:00AM
Spike Duplicate:	**A0102042-02A-MSD**	Analysis Units:	mg/Kg
	MS/MSD report	Matrix:	Soil

Analyte	Base Samp. Result	Spike Result	Sp. Dup Result	Spike Conc	Spike Recov	Sp. Dup Conc.	SpikeD Recov	RPD	LCL	UCL	RPD Lim.	Recov. Flag	RPD Flag
Analytes													
Diesel Range Organics	ND	55	54	86	61.6	86	60.1	2.4	60	120	20		
Residual Range Organics	ND	84	85	86	87.5	86	89.0	1.8	60	120	20		
Surrogates:													
o-Terphenyl	1.3	1.6	1.5	2.1	74.9	2.2	69.5	7.4	50	150	20		
Squalane	1.7	1.8	1.8	2.1	84.2	2.2	81.0	3.9	50	150	20		

Base Sample	**A010228002-MB**	Anal. Method:	DRO/RRO AK 102/103
Spike Sample	**A010228002-LCS**	Sample Prep Date:	2/28/01 12:00:00AM
Spike Duplicate:	**A010228002-LCSD**	Analysis Units:	mg/Kg
	LCS/LCSD Report	Matrix:	Soil

Analyte	Base Samp. Result	Spike Result	Sp. Dup Result	Spike Conc	Spike Recov	Sp. Dup Conc.	SpikeD Recov	RPD	LCL	UCL	RPD Lim.	Recov. Flag	RPD Flag
Analytes													
Diesel Range Organics	ND	54	66	78	69.0	80	83.0	18.3	60	120	20		
Residual Range Organics	ND	85	84	78	108.4	80	105.7	2.5	60	120	20		
Surrogates:													
o-Terphenyl	1.7	1.8	2.1	2.0	93.7	2.0	105.9	12.2	60	120	20		
Squalane	2.1	2.2	2.1	2.0	115.1	2.0	105.9	8.4	60	120	20		

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **2,257** **Lab Project Number:** **A0102050**

Test: Percent Moisture, ASTM D2216 Prep Date: 2/28/01
Lab Method Blank Id: A010301001-MB
Prep Batch ID: A010301001
Method: Percent Moisture, ASTM D2216

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

SampleNum	ClientSampleName	DataFile	AnalysisDate
A0102042-01A	Batch QC		3/1/01 2:50:07PM
A0102050-01B	TH1-1.0		3/1/01 2:50:07PM
A0102050-02B	TH1-6.0		3/1/01 2:50:07PM
A0102050-03B	TH2-1.0		3/1/01 2:50:07PM
A0102050-04B	TH2-4.0		3/1/01 2:50:07PM
A0102050-05B	TH2A-4.0		3/1/01 2:50:07PM
A0102050-06B	TH3-1.0		3/1/01 2:50:07PM
A0102050-07B	TH3-4.0		3/1/01 2:50:07PM
A0102042-01A-DUP	DUP		3/1/01 2:50:07PM

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **2,257** **Lab Project Number:** **A0102050**

Test: DRO/RRO AK 102/103 Prep Date: 2/28/01
Lab Method Blank Id: A010228002-MB
Prep Batch ID: A010228002
Method: DRO/RRO AK 102/103

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

SampleNum	ClientSampleName	DataFile	AnalysisDate
A010228002-LCS	LCS	R1030108.D	3/1/01 12:12:00PM
A010228002-LCSD	LCSD	R1030109.D	3/1/01 12:29:00PM
A0102042-02A-MS	MS	R1030110.D	3/1/01 1:20:00PM
A0102042-02A-MSD	MSD	R1030111.D	3/1/01 1:37:00PM
A0102042-02A	Batch QC	R1030113.D	3/1/01 2:29:00PM
A0102050-01B	TH1-1.0	R1030116.D	3/1/01 3:21:00PM
A0102050-02B	TH1-6.0	R1030220.D	3/2/01 5:29:00PM
A0102050-03B	TH2-1.0	R1030221.D	3/2/01 5:46:00PM
A0102050-04B	TH2-4.0	R1030222.D	3/2/01 6:03:00PM
A0102050-06B	TH3-1.0	R1030224.D	3/2/01 6:21:00PM
A0102050-07B	TH3-4.0	R1030225.D	3/2/01 6:38:00PM

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **2,257** **Lab Project Number:** **A0102050**

Test: BTEX by AK 101/8021B soil — Prep Date: 2/23/01
Lab Method Blank Id: A010223001-MB
Prep Batch ID: A010223001
Method: BTEX by AK 101/8021B soil

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

SampleNum	ClientSampleName	DataFile	AnalysisDate
A010223001-LCS	LCS	B1022809.D	2/28/01 2:50:00PM
A010223001-LCSD	LCSD	B1022810.D	2/28/01 3:25:00PM
A0102050-05A	TH2A-4.0	B1030108.D	3/1/01 12:50:00PM
A0102050-08A	Trip Blank	B1030111.D	3/1/01 2:36:00PM

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **2,257** **Lab Project Number:** **A0102050**

Test: GRO/BTEX by AK101/SW-8021B — Prep Date: 2/23/01
Lab Method Blank Id: A010223001-MB
Prep Batch ID: A010223001
Method: GRO/BTEX by AK101/SW-8021B

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

SampleNum	ClientSampleName	DataFile	AnalysisDate
A010223001-LCS	LCS	B1022809.D	2/28/01 2:50:00PM
A010223001-LCSD	LCSD	B1022810.D	2/28/01 3:25:00PM
A0102050-03A	TH2-1.0	B1030106.D	3/1/01 11:40:00AM
A0102050-04A	TH2-4.0	B1030107.D	3/1/01 12:15:00PM
A0102050-06A	TH3-1.0	B1030109.D	3/1/01 1:25:00PM
A0102050-07A	TH3-4.0	B1030110.D	3/1/01 2:01:00PM

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **2,257** **Lab Project Number:** **A0102050**

Test: AK 101 GRO in Soil — Prep Date: 2/23/01
Lab Method Blank Id: A010223001-MB
Prep Batch ID: A010223001
Method: AK 101 GRO in Soil

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

SampleNum	ClientSampleName	DataFile	AnalysisDate
A010223001-LCS	LCS	B1022809.D	2/28/01 2:50:00PM
A010223001-LCSD	LCSD	B1022810.D	2/28/01 3:25:00PM
A0102050-01A	TH1-1.0	B1030104.D	3/1/01 10:29:00AM
A0102050-02A	TH1-6.0	B1030105.D	3/1/01 11:05:00AM

Detailed Analytical Report

Analytica Alaska Inc.
Workorder (SDG): A0102050

DATA FLAGS AND DEFINITIONS

Result Field:

ND = Not Detected at or above the Reporting Limit Shown
NA = Analyte not applicable (see Case Narrative for discussion)

Qualifier Fields:

LOW = Recovery is below Low Control Limit
HIGH = Recovery , RPD, or other parameter is above Upper Control Limit
E = Reported concentration is above the instrument calibration upper range
DIL = Sample required dilution to bring analytes within calibration range of the instrument. At the dilution level required, the surrogate could not be quantified due to the resulting low surrogate concentration and/or coelution interference from the sample.

Organic Analysis Flags:

B = Analyte was detected in the laboratory method blank

Inorganic Analysis Flags:

B = Analyte was detected above the MDL or IDL but below the Reporting Limit
W = Post digestion spike did not meet criteria
S = Reported value determined by the Method of Standard Additions (MSA)

ANALYTICA
ALASKA INC.

Sample
Raw Data
--
Volatiles

"The Science of Analysis, The Art of Service"

Quantitation Report (QT Reviewed)

Signal #1 : D:\GC_DATA\BORIS\030101\B1030104.D\FID1B.CH Vial: 4
Signal #2 : D:\GC_DATA\BORIS\030101\B1030104.D\FID2A.CH
Acq On : 1 Mar 2001 10:29 am Operator: SG
Sample : A0102050-01A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 10:48 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Initial Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units	
		Internal Standards					
1)	I	IS a,a,a-Trifluorotoluene	4.04	25861956	50.000	µg/L	
		System Monitoring Compounds					
2)	s	SS 1,4-Difluorobenzene	3.64	28314863	47.141	µg/L	
3)	S	SS p-Bromofluorobenzene	7.11	103670266	84.991	µg/L	
14)	S	IS a,a,a-Trifluorotoluene	4.06f	2600096	52.868	µg/L	m
15)	s	SS 1,4-Difluorobenzene #2	3.65	3097064	47.631	µg/L	m
16)	s	SS p-Bromofluorobenzene #2	7.13	4406234	95.603	µg/L	m
		Target Compounds					
4)	tm	Benzene	3.47	321317	0.185	µg/L	
5)	tm	Toluene	4.85	1278125	0.767	µg/L	
7)	tm	Ethyl benzene	6.22	319566	0.236	µg/L	
8)	L1	m,p-xylene	6.42	1846951	1.179	µg/L	m
9)	L1	o-xylene	6.77	1112993	0.757	µg/L	
17)	h	Gasoline Range Organics #2	6.00	7438126	150.085	µg/L	

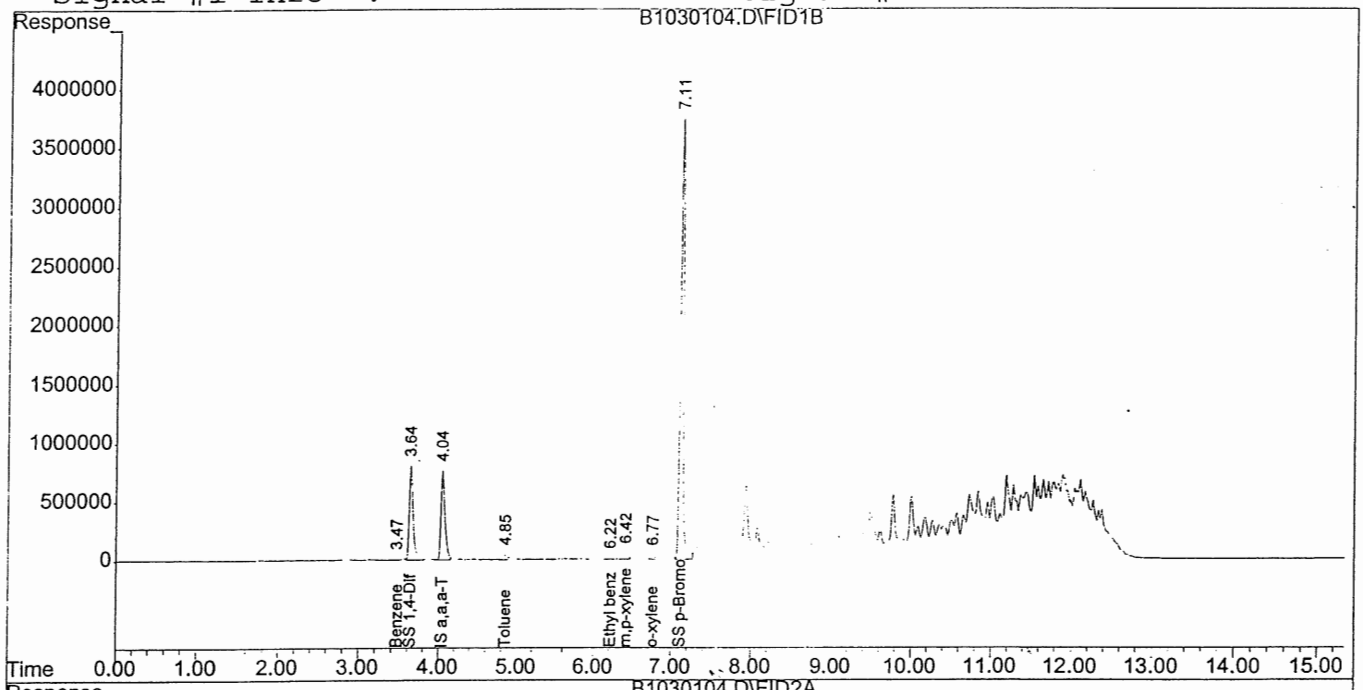
(f)=RT Delta > 1/2 Window (m)=manual int.

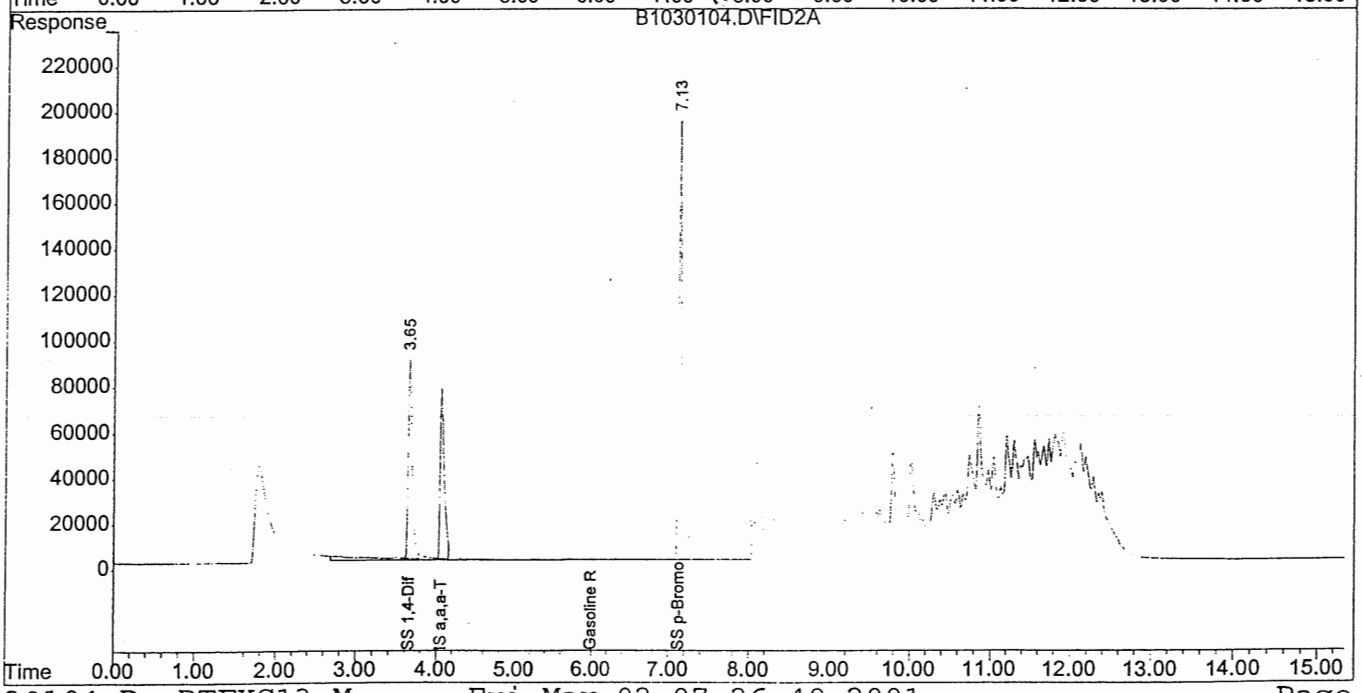
Quantitation Report (QT Reviewed)

Signal #1 : D:\GC_DATA\BORIS\030101\B1030104.D\FID1B.CH Vial: 4
Signal #2 : D:\GC_DATA\BORIS\030101\B1030104.D\FID2A.CH
Acq On : 1 Mar 2001 10:29 am Operator: SG
Sample : A0102050-01A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 10:48 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Multiple Level Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\GC_DATA\BORIS\030101\B1030105.D\FID1B.CH Vial: 5
Signal #2 : D:\GC_DATA\BORIS\030101\B1030105.D\FID2A.CH
Acq On : 1 Mar 2001 11:05 am Operator: SG
Sample : A0102050-02A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 11:22 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Initial Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

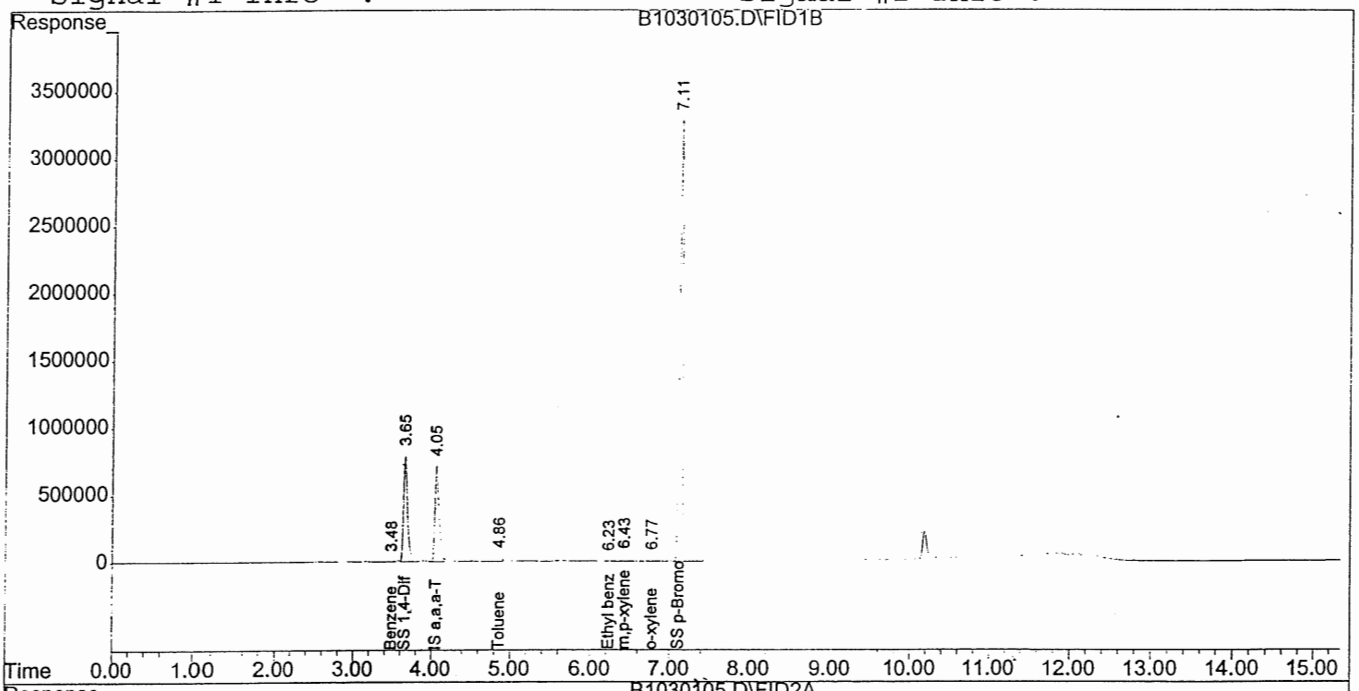
		Compound	R.T.	Response	Conc	Units	
		Internal Standards					
1)	I	IS a,a,a-Trifluorotoluene	4.06	26120911	50.000	µg/L	
		System Monitoring Compounds					
2)	s	SS 1,4-Difluorobenzene	3.65	28630053	47.193	µg/L	
3)	S	SS p-Bromofluorobenzene	7.12	93070719	75.545	µg/L	
14)	S	IS a,a,a-Trifluorotoluene	4.07	2711412	55.132	µg/L	m
15)	s	SS 1,4-Difluorobenzene #2	3.66	3129576	48.131	µg/L	m
16)	s	SS p-Bromofluorobenzene #2	7.13	3657970	79.367	µg/L	m
		Target Compounds					
4)	tm	Benzene	3.48	240936	0.137	µg/L	
5)	tm	Toluene	4.86	1010029	0.600	µg/L	
7)	tm	Ethyl benzene	6.23	195743	0.143	µg/L	
8)	L1	m,p-xylene	6.43	809684	0.512	µg/L	
9)	L1	o-xylene	6.78	485555	0.327	µg/L	
17)	h	Gasoline Range Organics #2	6.00	2921880	58.957	µg/L	

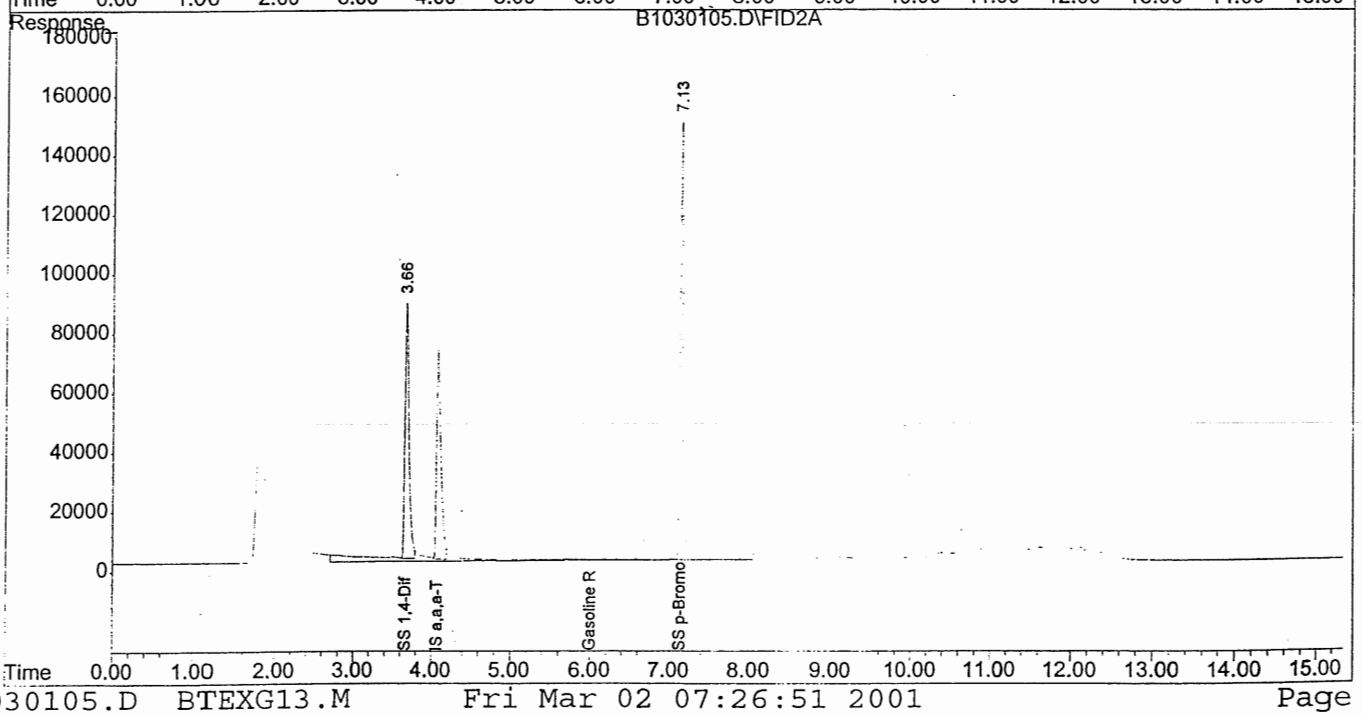
(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : D:\GC_DATA\BORIS\030101\B1030105.D\FID1B.CH Vial: 5
Signal #2 : D:\GC_DATA\BORIS\030101\B1030105.D\FID2A.CH
Acq On : 1 Mar 2001 11:05 am Operator: SG
Sample : A0102050-02A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 11:22 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Multiple Level Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\GC_DATA\BORIS\030101\B1030106.D\FID1B.CH Vial: 6
Signal #2 : D:\GC_DATA\BORIS\030101\B1030106.D\FID2A.CH
Acq On : 1 Mar 2001 11:40 am Operator: SG
Sample : A0102050-03A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 13:44 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Initial Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

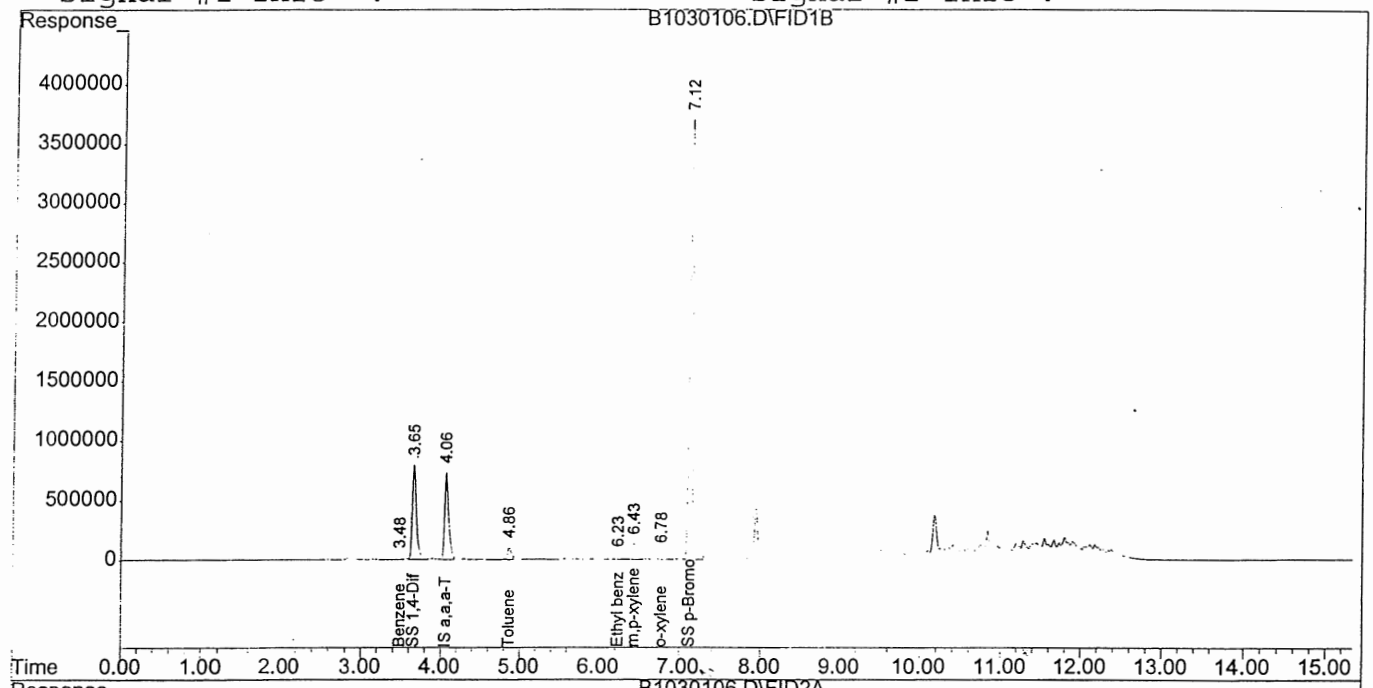
		Compound	R.T.	Response	Conc	Units	
		Internal Standards					
1)	I	IS a,a,a-Trifluorotoluene	4.06	25986600	50.000	µg/L	
		System Monitoring Compounds					
2)	s	SS 1,4-Difluorobenzene	3.65	28429645	47.105	µg/L	
3)	S	SS p-Bromofluorobenzene	7.12	101526339	82.834	µg/L	
14)	S	IS a,a,a-Trifluorotoluene	4.07	2681043	54.514	µg/L	m
15)	s	SS 1,4-Difluorobenzene #2	3.67	3119979	47.984	µg/L	m
16)	s	SS p-Bromofluorobenzene #2	7.13	4716132	102.326	µg/L	
		Target Compounds					
4)	tm	Benzene	3.48	572536	0.328	µg/L	
5)	tm	Toluene	4.86	3399059	2.031	µg/L	m
7)	tm	Ethyl benzene	6.23	765829	0.564	µg/L	
8)	L1	m,p-xylene	6.43	4005735	2.545	µg/L	
9)	L1	o-xylene	6.78	1701370	1.151	µg/L	
17)	h	Gasoline Range Organics #2	6.00	3800932	76.695	µg/L	

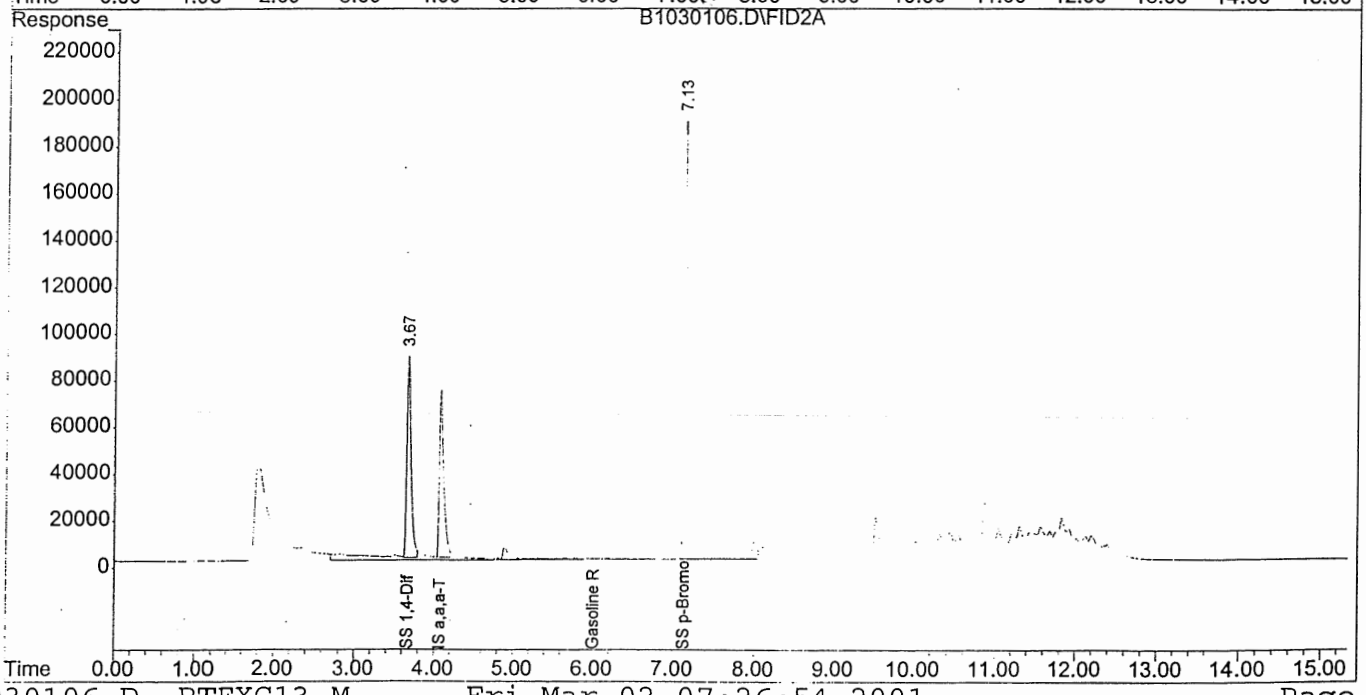
(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : D:\GC_DATA\BORIS\030101\B1030106.D\FID1B.CH Vial: 6
Signal #2 : D:\GC_DATA\BORIS\030101\B1030106.D\FID2A.CH
Acq On : 1 Mar 2001 11:40 am Operator: SG
Sample : A0102050-03A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 13:44 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Multiple Level Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\GC_DATA\BORIS\030101\B1030107.D\FID1B.CH Vial: 7
Signal #2 : D:\GC_DATA\BORIS\030101\B1030107.D\FID2A.CH
Acq On : 1 Mar 2001 12:15 pm Operator: SG
Sample : A0102050-04A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 13:45 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Initial Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

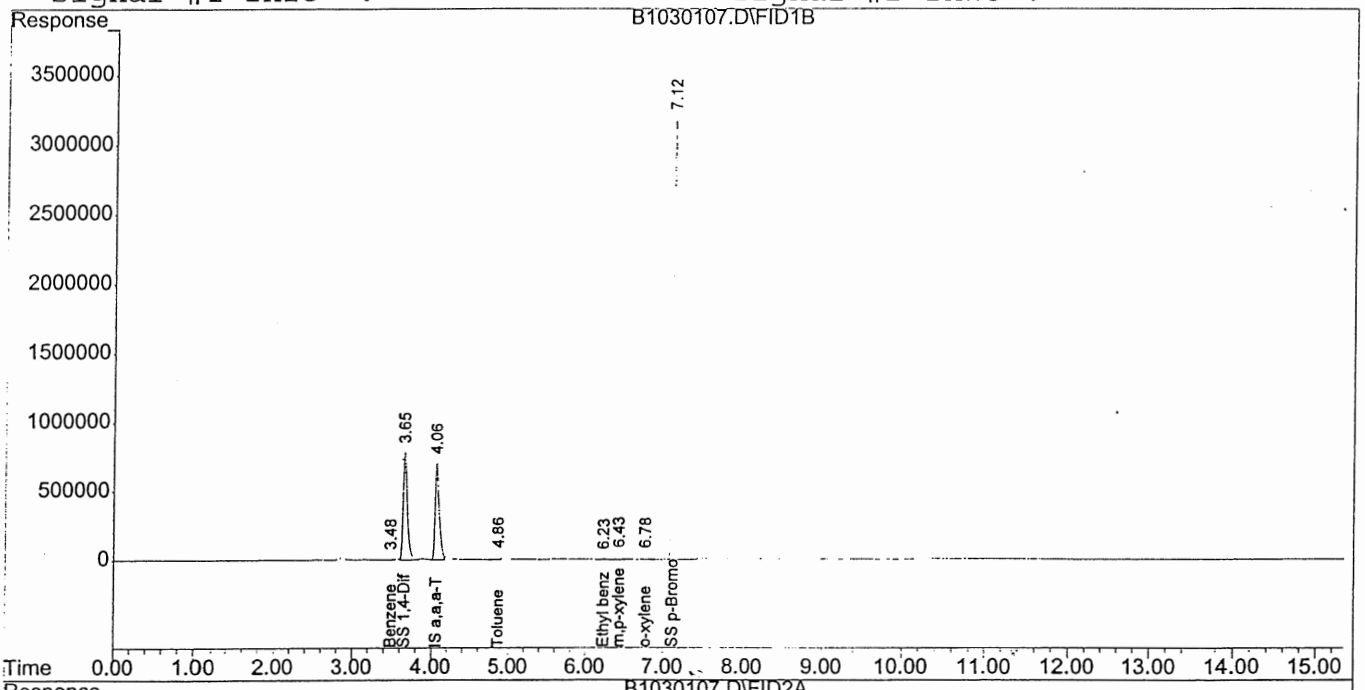
		Compound	R.T.	Response	Conc	Units	
		Internal Standards					
1)	I	IS a,a,a-Trifluorotoluene	4.06	26263006	50.000	µg/L	
		System Monitoring Compounds					
2)	s	SS 1,4-Difluorobenzene	3.66	28583608	46.862	µg/L	
3)	S	SS p-Bromofluorobenzene	7.12	90609507	73.149	µg/L	
14)	S	IS a,a,a-Trifluorotoluene	4.07	2678076	54.454	µg/L	m
15)	s	SS 1,4-Difluorobenzene #2	3.67	3104007	47.738	µg/L	m
16)	s	SS p-Bromofluorobenzene #2	7.14	3831068	83.123	µg/L	
		Target Compounds					
4)	tm	Benzene	3.48	235575	0.134	µg/L	
5)	tm	Toluene	4.86	541184	0.320	µg/L	
7)	tm	Ethyl benzene	6.23	136738	0.100	µg/L	
8)	L1	m,p-xylene	6.43	662556	0.416	µg/L	
9)	L1	o-xylene	6.78	433941	0.291	µg/L	
17)	h	Gasoline Range Organics #2	6.00	2263417	45.671	µg/L	

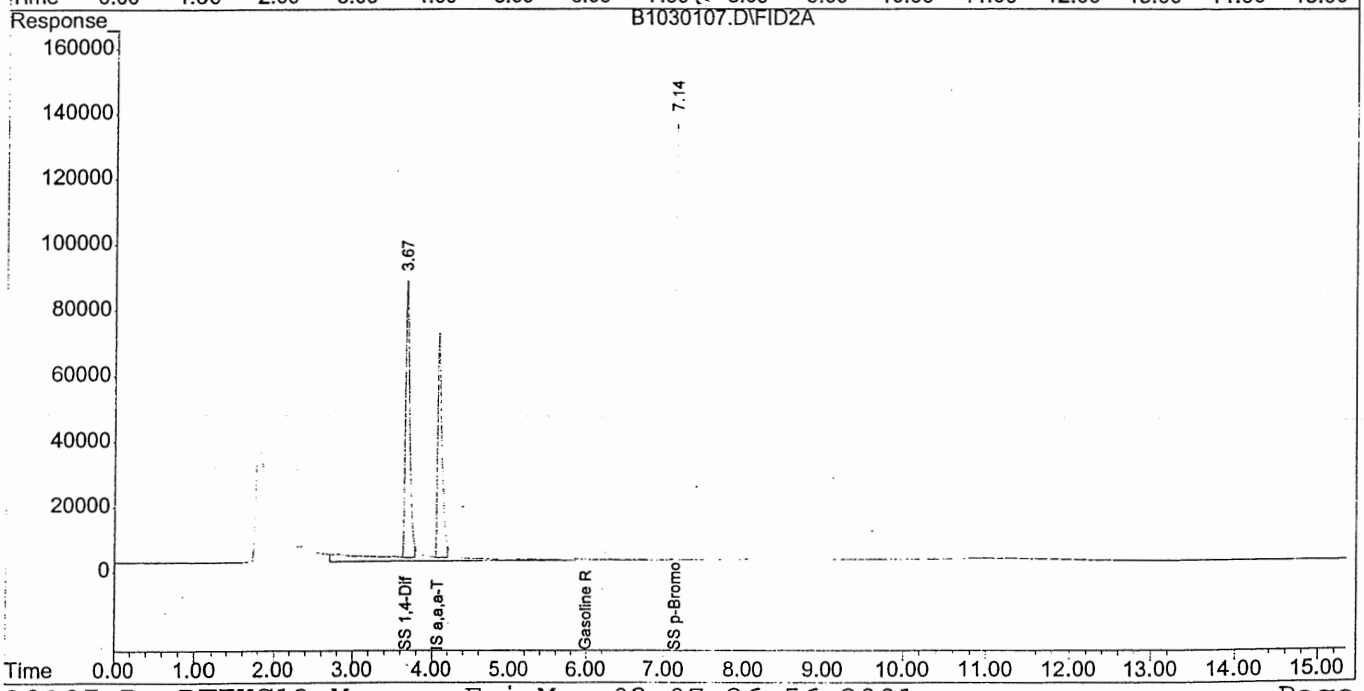
(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : D:\GC_DATA\BORIS\030101\B1030107.D\FID1B.CH Vial: 7
Signal #2 : D:\GC_DATA\BORIS\030101\B1030107.D\FID2A.CH
Acq On : 1 Mar 2001 12:15 pm Operator: SG
Sample : A0102050-04A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 13:45 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Multiple Level Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\GC_DATA\BORIS\030101\B1030108.D\FID1B.CH Vial: 8
Signal #2 : D:\GC_DATA\BORIS\030101\B1030108.D\FID2A.CH
Acq On : 1 Mar 2001 12:50 pm Operator: SG
Sample : A0102050-05A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 13:46 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Initial Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

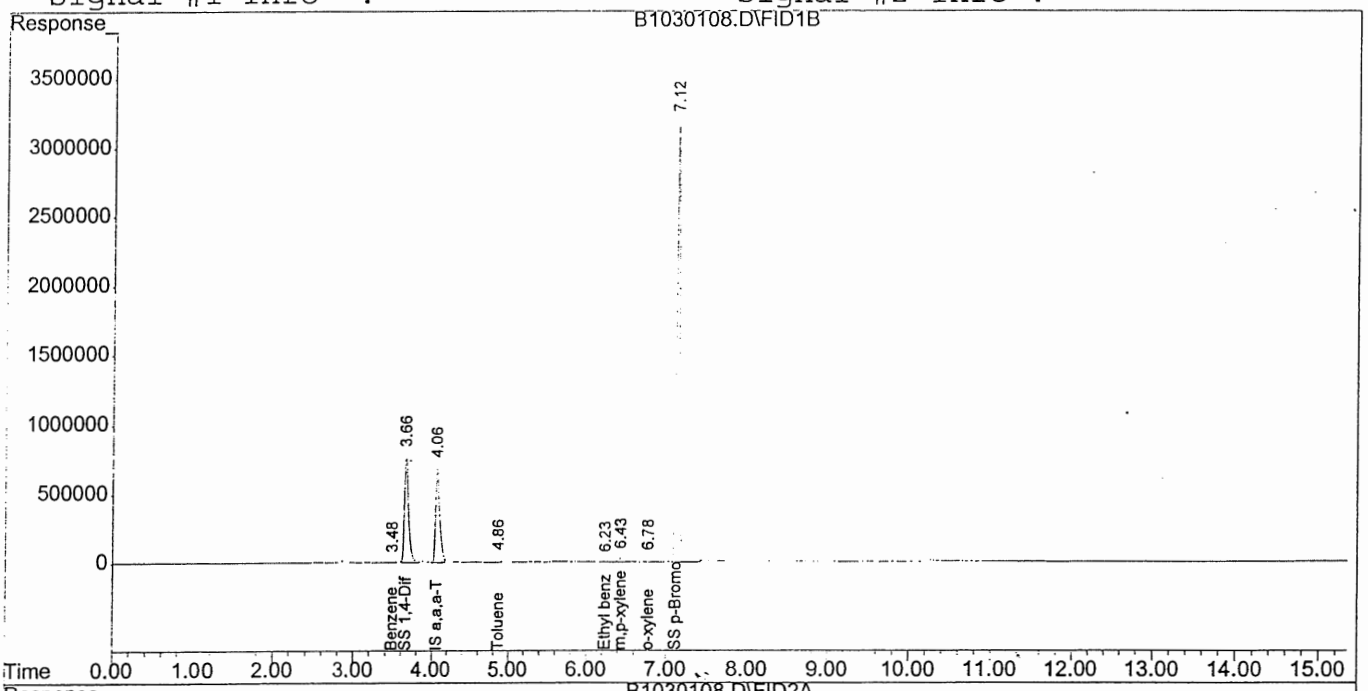
		Compound	R.T.	Response	Conc	Units	
		Internal Standards					
1)	I	IS a,a,a-Trifluorotoluene	4.06	26203791	50.000	µg/L	
		System Monitoring Compounds					
2)	s	SS 1,4-Difluorobenzene	3.66	28559092	46.927	µg/L	
3)	S	SS p-Bromofluorobenzene	7.12	91720227	74.213	µg/L	
14)	S	IS a,a,a-Trifluorotoluene	4.07	2587970	52.622	µg/L	m
15)	s	SS 1,4-Difluorobenzene #2	3.67	2995282	46.066	µg/L	m
16)	s	SS p-Bromofluorobenzene #2	7.14	3906831	84.767	µg/L	
		Target Compounds					
4)	tm	Benzene	3.48	297037	0.169	µg/L	
5)	tm	Toluene	4.86	654204	0.388	µg/L	
7)	tm	Ethyl benzene	6.23	148471	0.108	µg/L	
8)	L1	m,p-xylene	6.43	1002440	0.632	µg/L	
9)	L1	o-xylene	6.78	588644	0.395	µg/L	
17)	h	Gasoline Range Organics #2	6.00	2511396	50.675	µg/L	

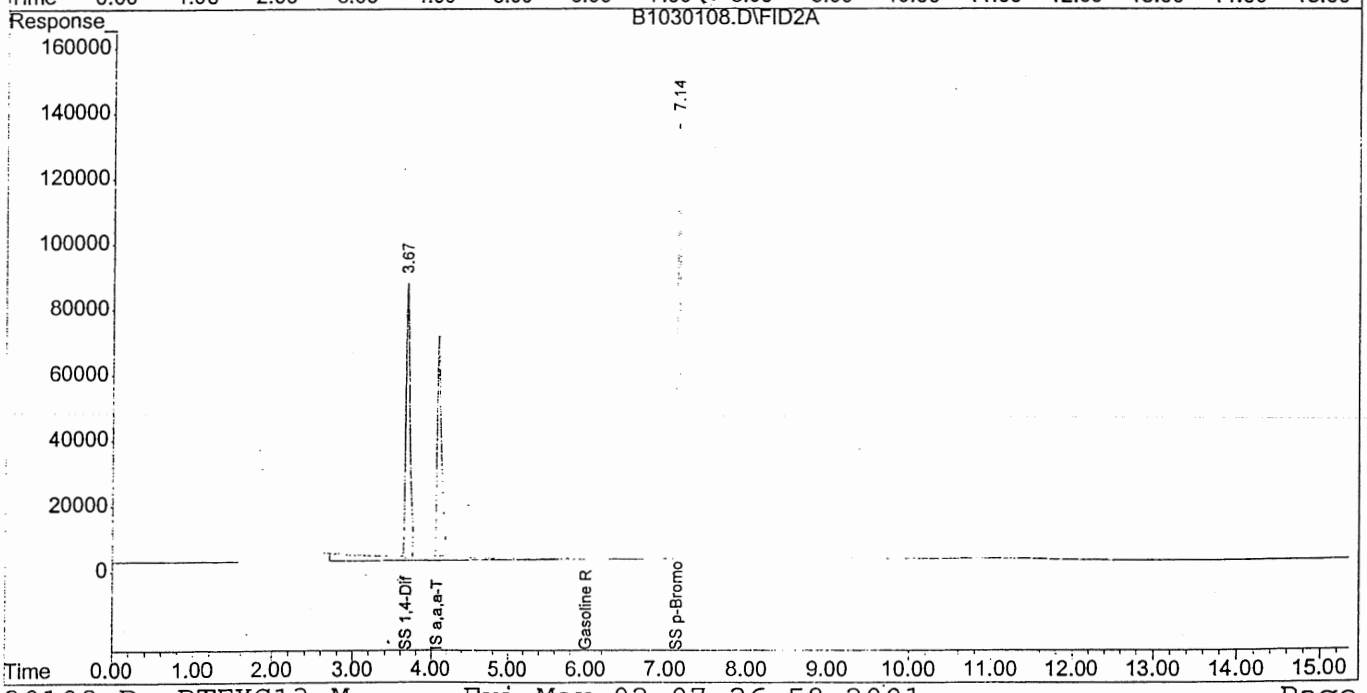
(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : D:\GC_DATA\BORIS\030101\B1030108.D\FID1B.CH Vial: 8
Signal #2 : D:\GC_DATA\BORIS\030101\B1030108.D\FID2A.CH
Acq On : 1 Mar 2001 12:50 pm Operator: SG
Sample : A0102050-05A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 13:46 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Multiple Level Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\GC_DATA\BORIS\030101\B1030109.D\FID1B.CH Vial: 9
Signal #2 : D:\GC_DATA\BORIS\030101\B1030109.D\FID2A.CH
Acq On : 1 Mar 2001 1:25 pm Operator: SG
Sample : A0102050-06A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 13:46 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Initial Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

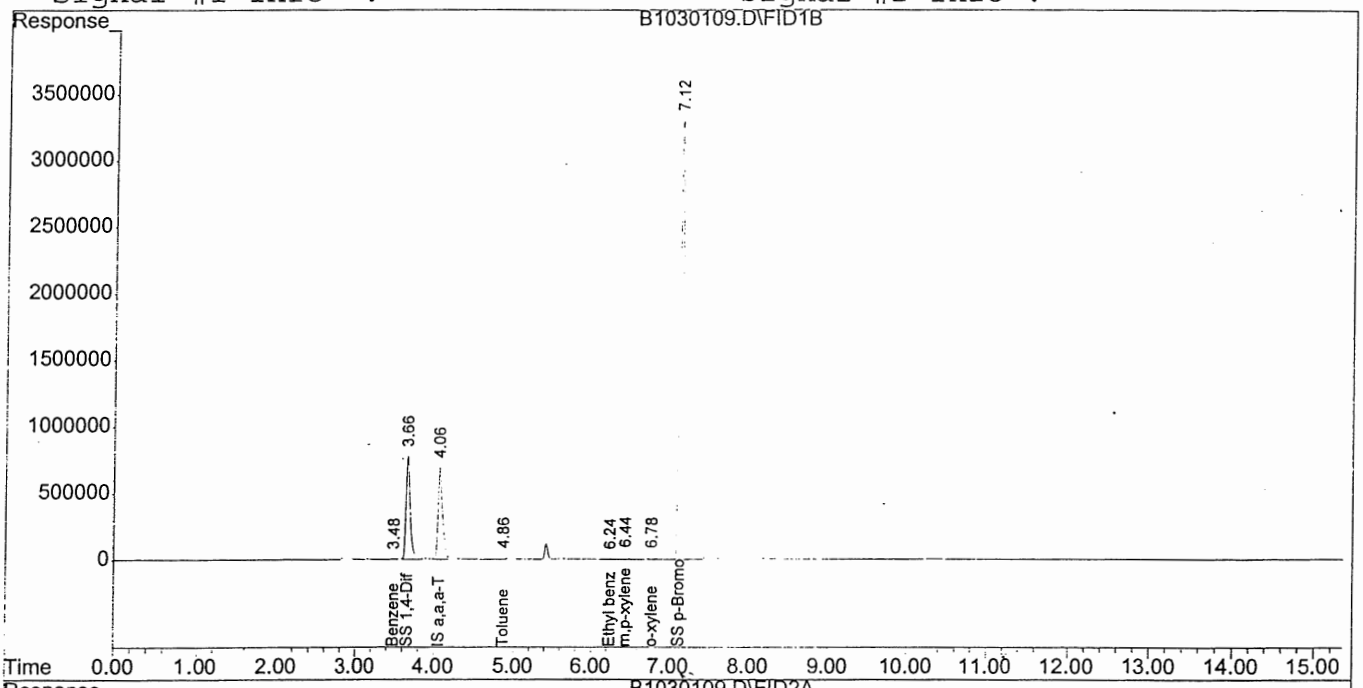
		Compound	R.T.	Response	Conc	Units	
		Internal Standards					
1)	I	IS a,a,a-Trifluorotoluene	4.06	26074276	50.000	µg/L	
		System Monitoring Compounds					
2)	s	SS 1,4-Difluorobenzene	3.66	28598457	47.225	µg/L	
3)	S	SS p-Bromofluorobenzene	7.12	100036908	81.344	µg/L	
14)	S	IS a,a,a-Trifluorotoluene	4.07	2648249	53.847	µg/L	m
15)	s	SS 1,4-Difluorobenzene #2	3.67	3066872	47.167	µg/L	m
16)	s	SS p-Bromofluorobenzene #2	7.14	4546943	98.656	µg/L	
		Target Compounds					
4)	tm	Benzene	3.49	217009	0.124	µg/L	
5)	tm	Toluene	4.86	470509	0.280	µg/L	
7)	tm	Ethyl benzene	6.24	112431	0.082	µg/L	
8)	L1	m,p-xylene	6.44	624813	0.396	µg/L	
9)	L1	o-xylene	6.78	392820	0.265	µg/L	
17)	h	Gasoline Range Organics #2	6.00	2367993	47.781	µg/L	

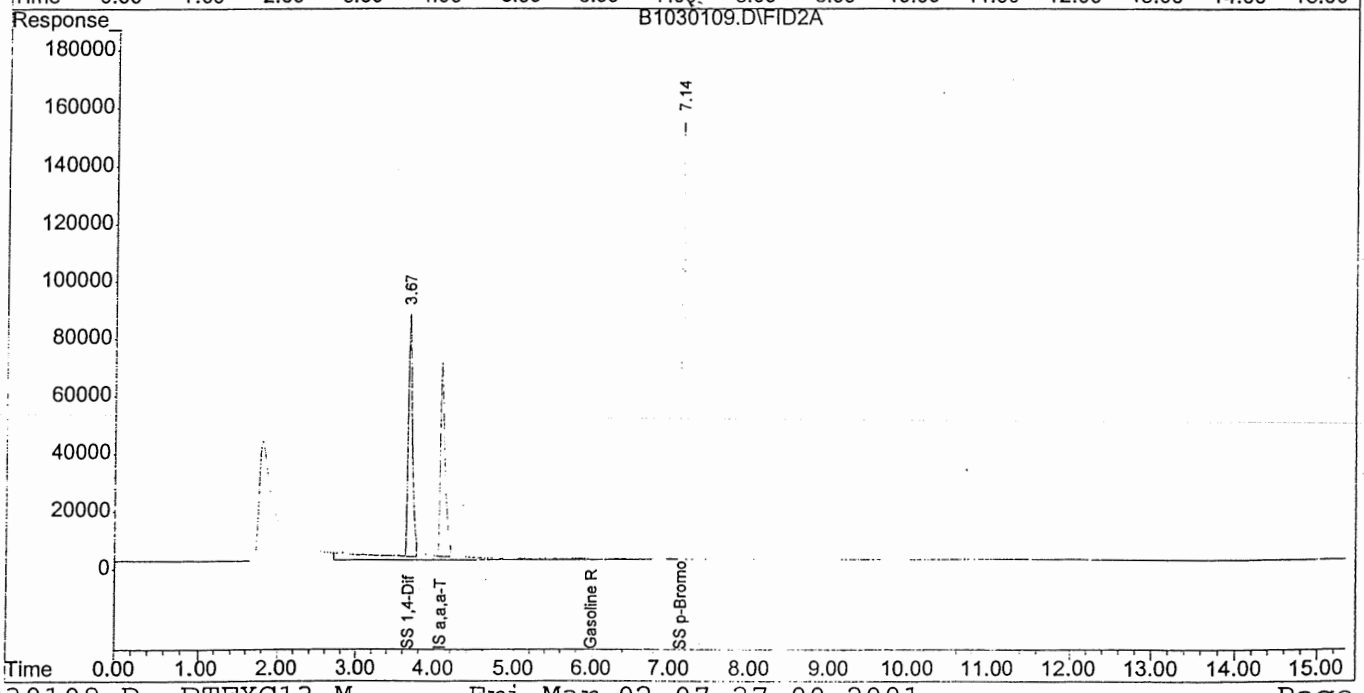
(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : D:\GC_DATA\BORIS\030101\B1030109.D\FID1B.CH Vial: 9
Signal #2 : D:\GC_DATA\BORIS\030101\B1030109.D\FID2A.CH
Acq On : 1 Mar 2001 1:25 pm Operator: SG
Sample : A0102050-06A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 13:46 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Multiple Level Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\GC_DATA\BORIS\030101\B1030110.D\FID1B.CH Vial: 10
Signal #2 : D:\GC_DATA\BORIS\030101\B1030110.D\FID2A.CH
Acq On : 1 Mar 2001 2:01 pm Operator: SG
Sample : A0102050-07A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 14:33 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Initial Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

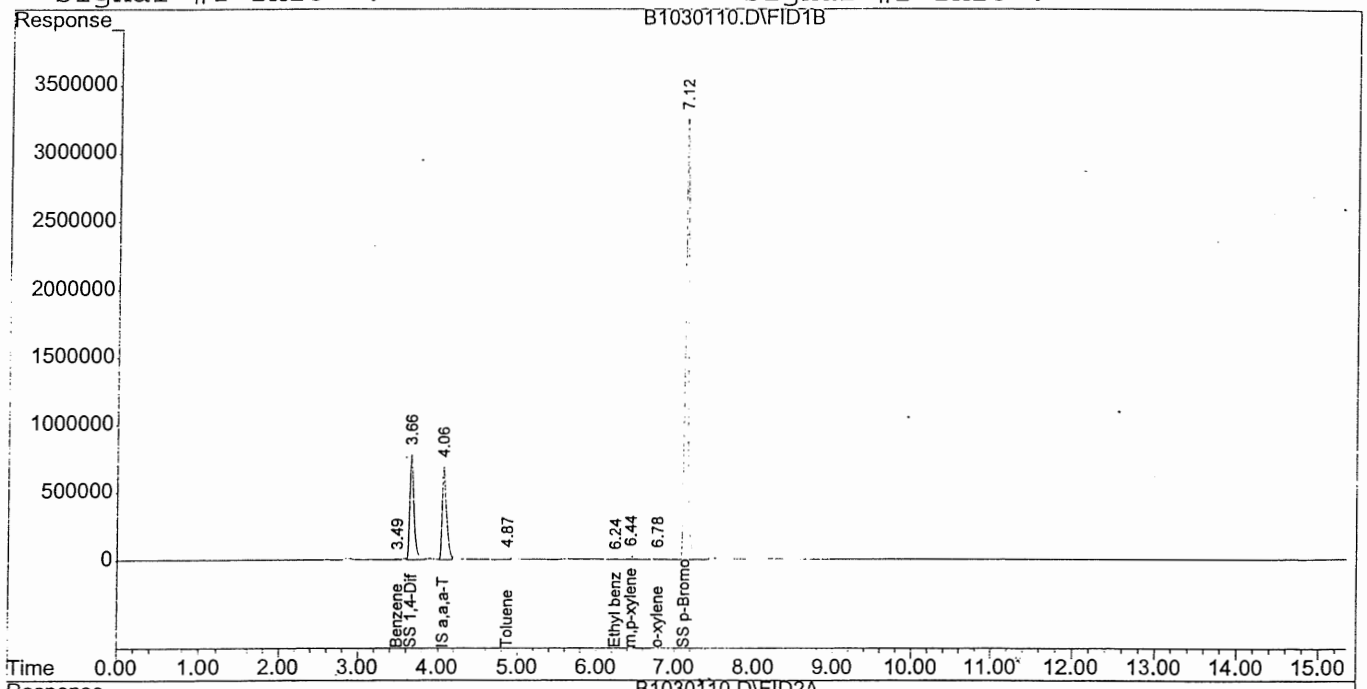
		Compound	R.T.	Response	Conc	Units	
		Internal Standards					
1)	I	IS a,a,a-Trifluorotoluene	4.06	26101109	50.000	µg/L	
		System Monitoring Compounds					
2)	s	SS 1,4-Difluorobenzene	3.66	28584529	47.154	µg/L	
3)	S	SS p-Bromofluorobenzene	7.12	98293398	79.844	µg/L	
14)	S	IS a,a,a-Trifluorotoluene	4.08	2646894	53.820	µg/L	m
15)	s	SS 1,4-Difluorobenzene #2	3.67	3095772	47.611	µg/L	m
16)	s	SS p-Bromofluorobenzene #2	7.14	4461317	96.798	µg/L	
		Target Compounds					
4)	tm	Benzene	3.49	283892	0.162	µg/L	
5)	tm	Toluene	4.87	709476	0.422	µg/L	
7)	tm	Ethyl benzene	6.24	134725	0.099	µg/L	
8)	L1	m,p-xylene	6.44	965486	0.611	µg/L	
9)	L1	o-xylene	6.78	525487	0.354	µg/L	
17)	h	Gasoline Range Organics #2	6.00	2370522	47.832	µg/L	

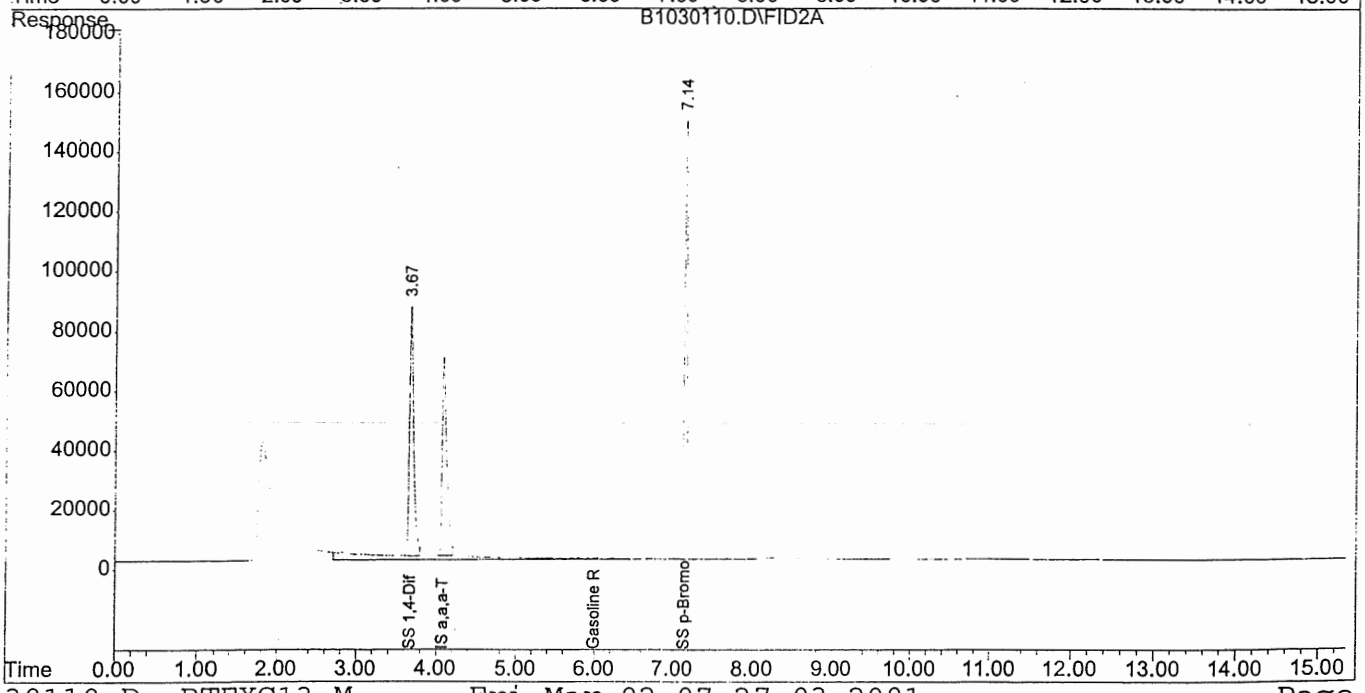
(f)=RT Delta > 1/2 Window (m)=manual int.

Signal #1 : D:\GC_DATA\BORIS\030101\B1030110.D\FID1B.CH Vial: 10
Signal #2 : D:\GC_DATA\BORIS\030101\B1030110.D\FID2A.CH
Acq On : 1 Mar 2001 2:01 pm Operator: SG
Sample : A0102050-07A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 14:33 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Multiple Level Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\GC_DATA\BORIS\030101\B1030111.D\FID1B.CH Vial: 11
Signal #2 : D:\GC_DATA\BORIS\030101\B1030111.D\FID2A.CH
Acq On : 1 Mar 2001 2:36 pm Operator: SG
Sample : A0102050-08A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 14:53 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Initial Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units	
		Internal Standards					
1)	I	IS a,a,a-Trifluorotoluene	4.06	26093918	50.000	µg/L	
		System Monitoring Compounds					
2)	s	SS 1,4-Difluorobenzene	3.66	28580120	47.160	µg/L	
3)	S	SS p-Bromofluorobenzene	7.13	112012546	91.014	µg/L	
14)	S	IS a,a,a-Trifluorotoluene	4.08	2657880	54.043	µg/L	m
15)	s	SS 1,4-Difluorobenzene #2	3.67	3066708	47.164	µg/L	m
16)	s	SS p-Bromofluorobenzene #2	7.14	4588914	99.566	µg/L	m
		Target Compounds					
4)	tm	Benzene	3.49	166941	0.095	µg/L	
5)	tm	Toluene	4.87	418607	0.249	µg/L	
7)	tm	Ethyl benzene	6.24	109754	0.080	µg/L	
8)	L1	m,p-xylene	6.44	602265	0.381	µg/L	
9)	L1	o-xylene	6.78	369880	0.249	µg/L	
17)	h	Gasoline Range Organics #2	6.00	3231007	65.195	µg/L	

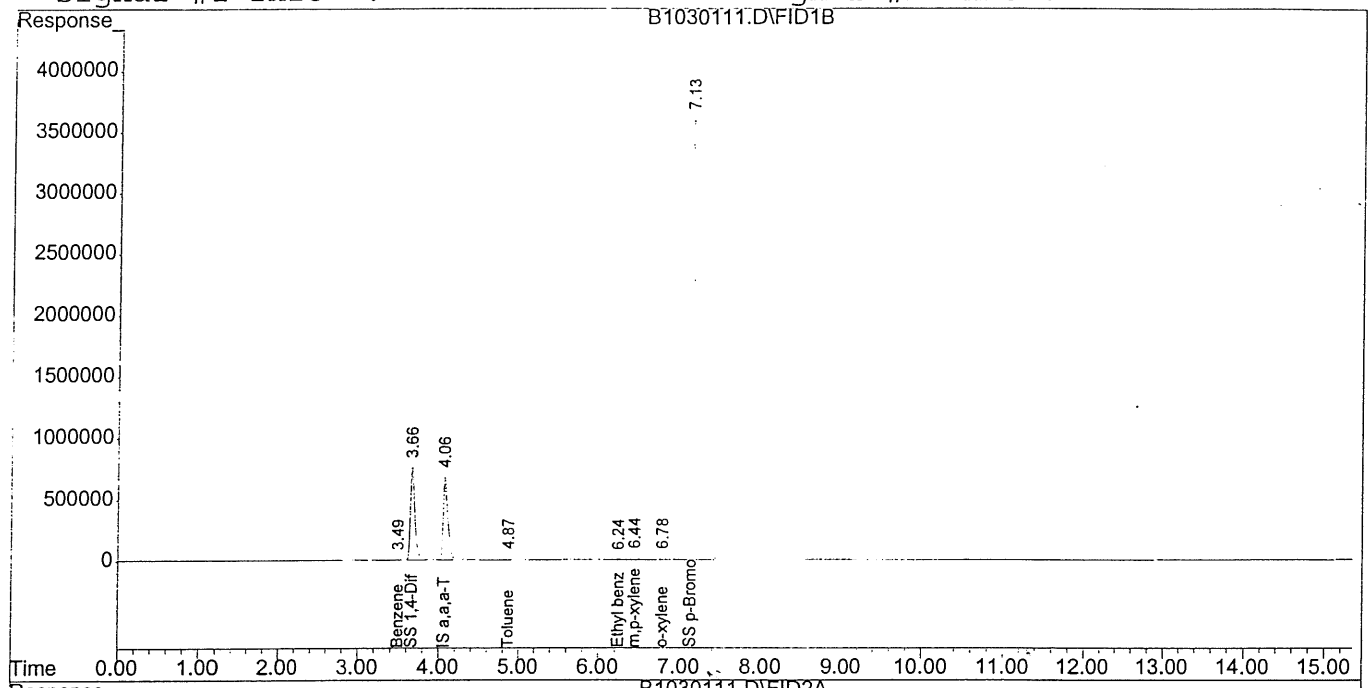
(f)=RT Delta > 1/2 Window (m)=manual int.

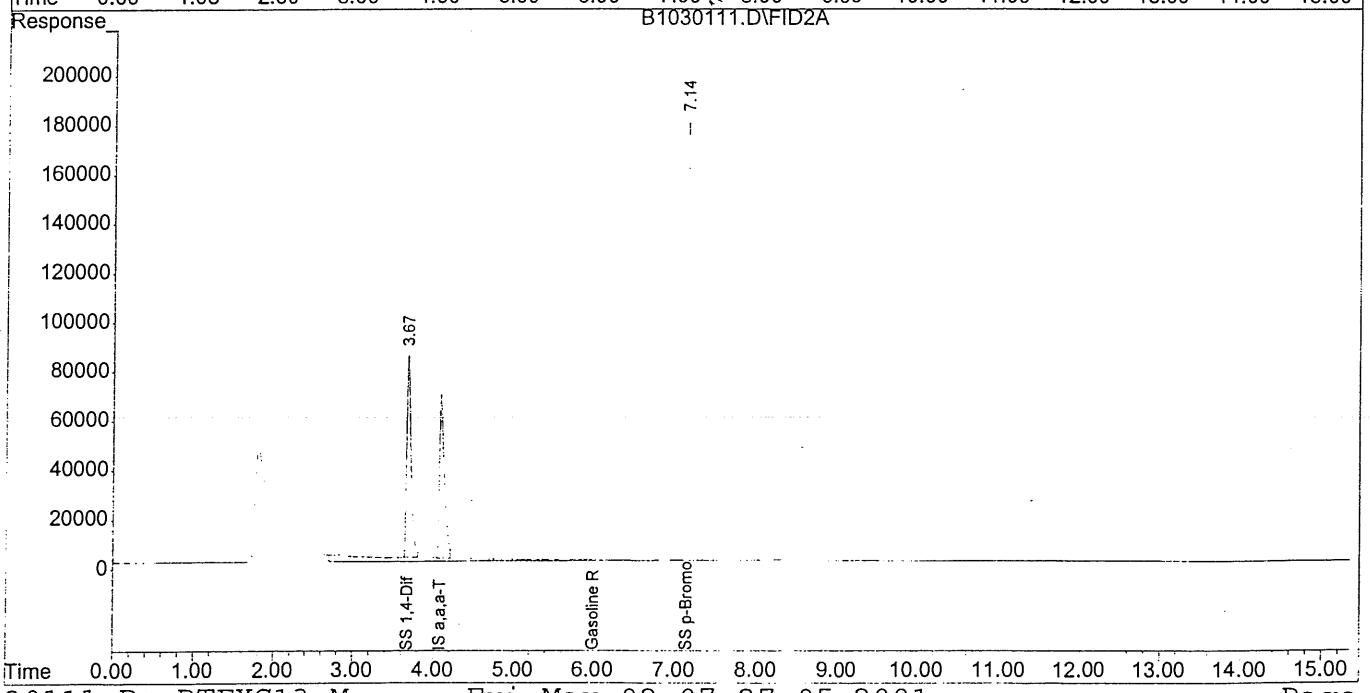
Quantitation Report (QT Reviewed)

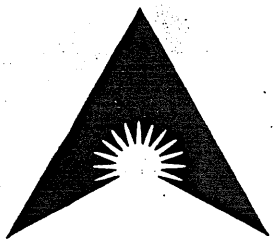
Signal #1 : D:\GC_DATA\BORIS\030101\B1030111.D\FID1B.CH Vial: 11
Signal #2 : D:\GC_DATA\BORIS\030101\B1030111.D\FID2A.CH
Acq On : 1 Mar 2001 2:36 pm Operator: SG
Sample : A0102050-08A~SC~0.200~5 Inst : Boris
Misc : A010223001 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 1 14:53 2001 Quant Results File: BTEXG13.RES

Quant Method : C:\HPCHEM\1\METHODS\BTEXG13.M (Chemstation Integrator)
Title : BTEX/GRO
Last Update : Thu Mar 01 08:58:31 2001
Response via : Multiple Level Calibration
DataAcq Meth : 7.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







ANALYTICA
ALASKA INC.

Sample
Raw Data
--
Diesel/Residual
Range
Organics

"The Science of Analysis, The Art of Service"

Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030101\R1030116.D Vial: 12
Acq On : 1 Mar 2001 3:21 pm Operator: GD
Sample : A0102050-01B~SC~0.2~1 Inst : Roo
Misc : A010228001 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 1 15:36 2001 Quant Results File: 11022101.RES

Quant Method : C:\HPCHEM\1...\11022101.M (Chemstation Integrator)
Title : drrros
Last Update : Thu Mar 01 10:20:26 2001
Response via : Initial Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units	
		System Monitoring Compounds					
1)	s	O-terphenyl	4.70	35834	8.123	mg/l	m
2)	s	Squalane	5.94	32737	11.110	mg/l	m
		Target Compounds					
3)	h	AK102 diesel range c10-c25	4.00	2416644	663.611	mg/l	
4)	h	residual range c25-c36end	6.60	3996795	3044.845	mg/l	

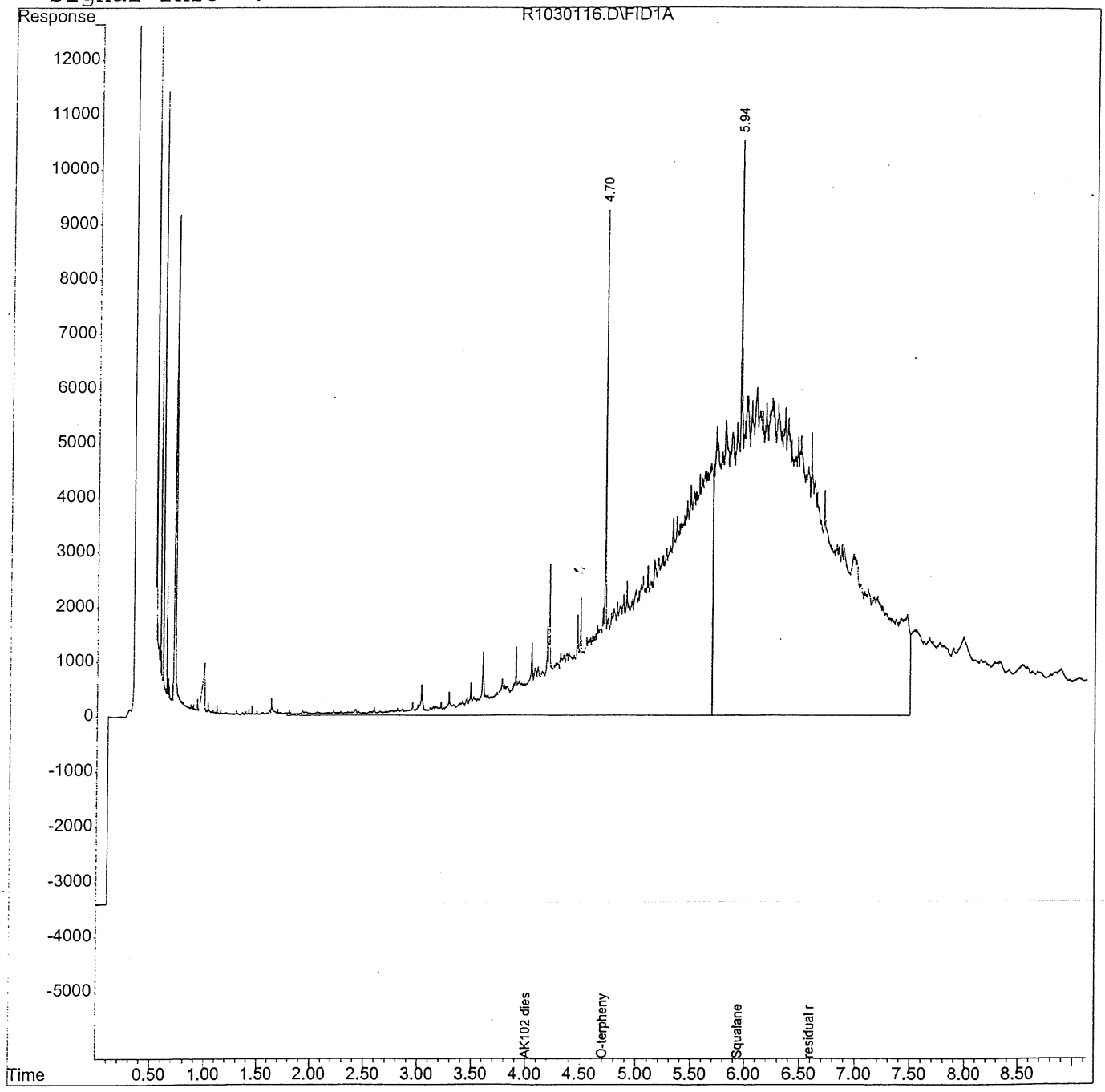
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030101\R1030116.D Vial: 12
Acq On : 1 Mar 2001 3:21 pm Operator: GD
Sample : A0102050-01B~SC~0.2~1 Inst : Roo
Misc : A010228001 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 1 15:36 2001 Quant Results File: 11022101.RES

Quant Method : C:\HPCHEM\1...\11022101.M (Chemstation Integrator)
Title : drrros
Last Update : Thu Mar 01 10:20:26 2001
Response via : Multiple Level Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030201\R1030220.D Vial: 18
Acq On : 2 Mar 2001 5:29 pm Operator: GD
Sample : A0102050-02B~SC~1~1 Inst : Roo
Misc : A010228002 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 5 8:18 2001 Quant Results File: 11030201.RES

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Initial Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) s	O-terphenyl	4.70	181050	53.013	mg/l	m
2) s	Squalane	5.92f	182829	69.842	mg/l	m
	Target Compounds					
3) h	AK102 diesel range c10-c25	4.00	2285438	775.767	mg/l	
4) h	residual range c25-c36end	6.60	4127666	3144.545	mg/l	

(f)=RT Delta > 1/2 Window (m)=manual int.

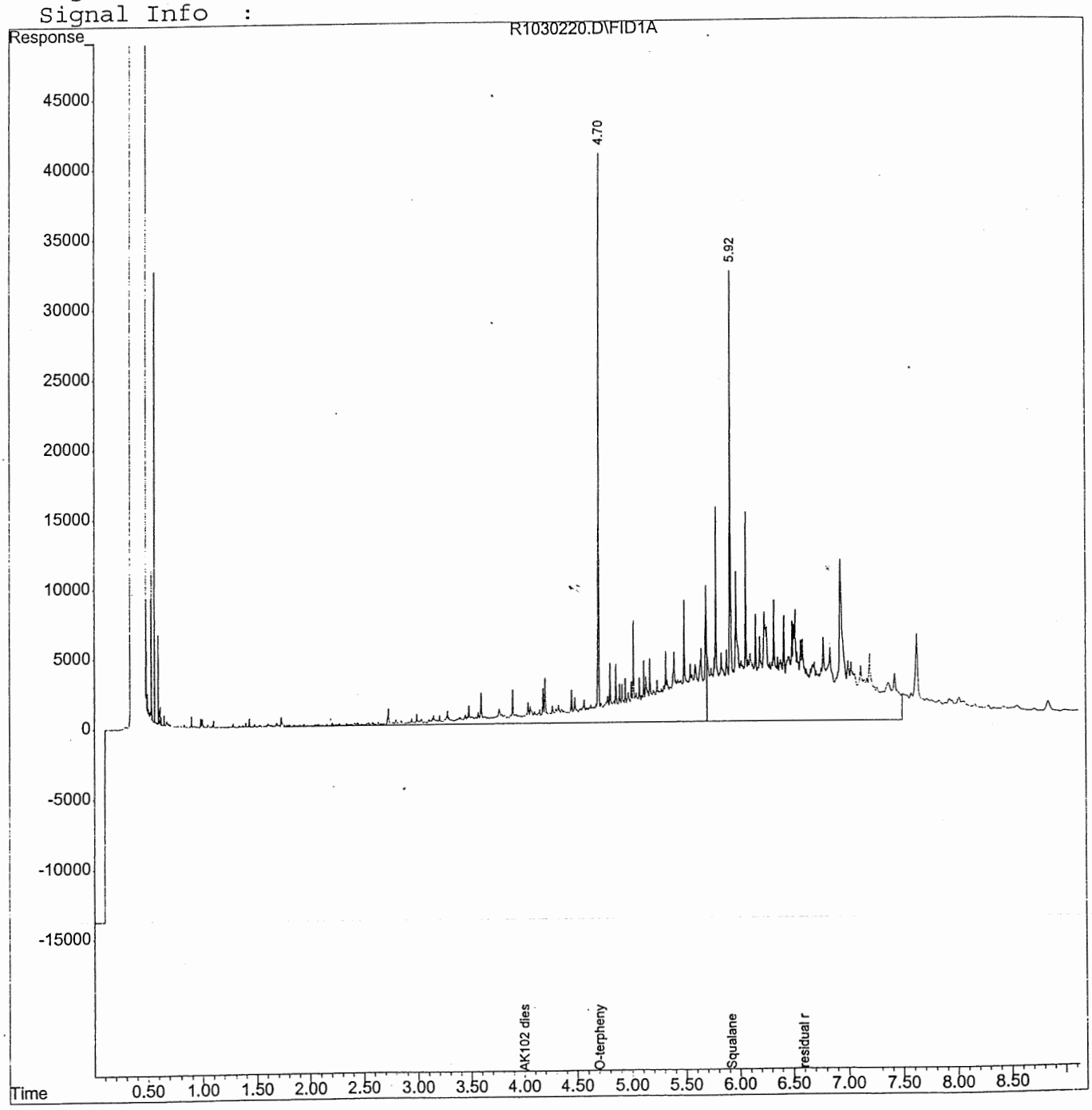
Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030201\R1030220.D
Acq On : 2 Mar 2001 5:29 pm
Sample : A0102050-02B~SC~1~1
Misc : A010228002
IntFile : R1Q_1108.E
Quant Time: Mar 5 8:18 2001 Quant Results File: 11030201.RES

Vial: 18
Operator: GD
Inst : Roo
Multiplr: 1.00

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Multiple Level Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030201\R1030221.D Vial: 19
Acq On : 2 Mar 2001 5:46 pm Operator: GD
Sample : A0102050-03B~SC~0.1~1 Inst : Roo
Misc : A010228002 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 5 10:44 2001 Quant Results File: 11030201.RES

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Initial Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units	
		System Monitoring Compounds					
1)	s	O-terphenyl	4.69	44391	12.998	mg/l	m
2)	s	Squalane	5.91f	13543	5.173	mg/l	m
		Target Compounds					
3)	h	AK102 diesel range c10-c25	4.00	3933297	1335.115	mg/l	
4)	h	residual range c25-c36end	6.60	2485558	1893.552	mg/l	

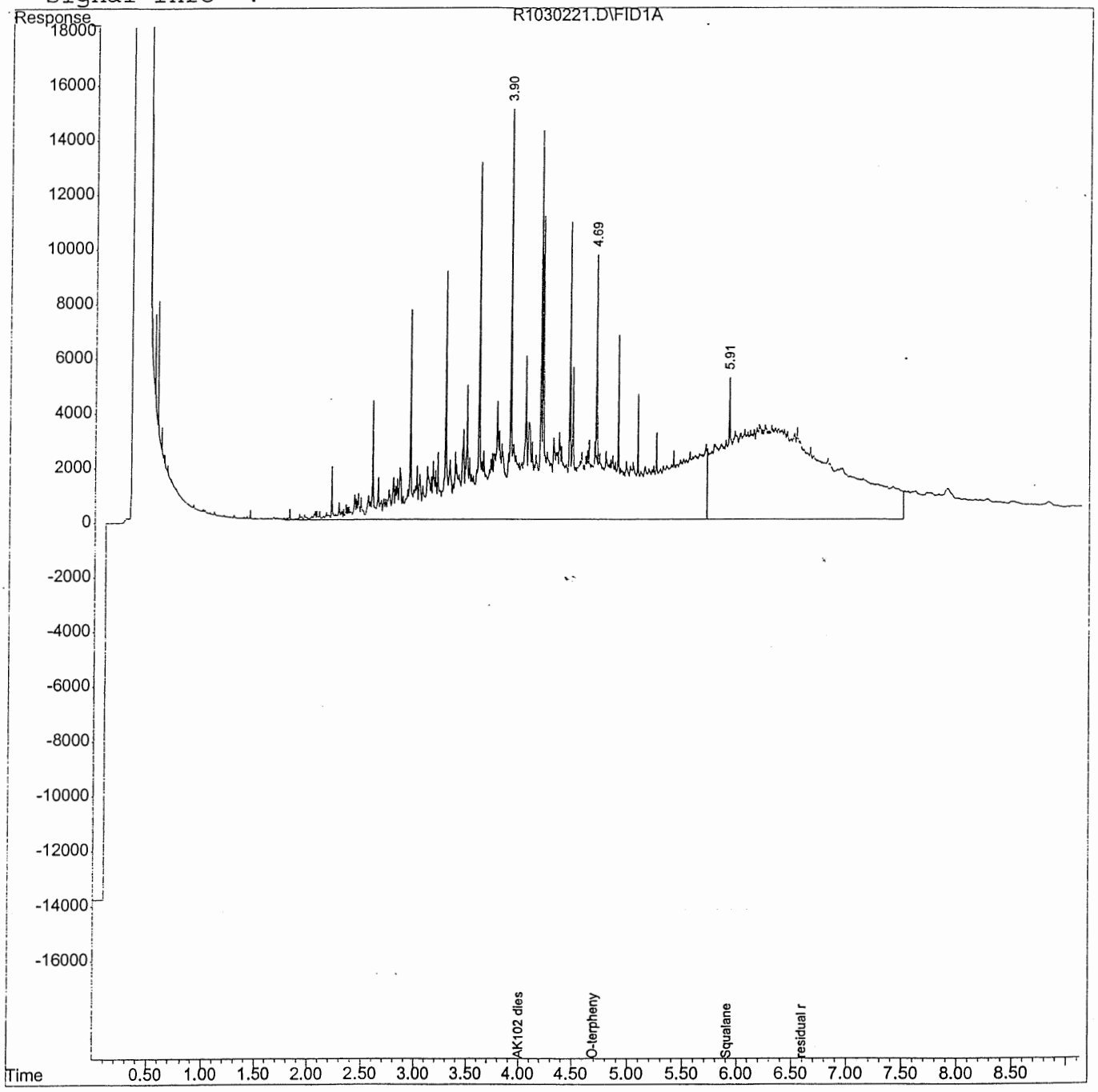
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030201\R1030221.D Vial: 19
Acq On : 2 Mar 2001 5:46 pm Operator: GD
Sample : A0102050-03B~SC~0.1~1 Inst : Roo
Misc : A010228002 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 5 10:44 2001 Quant Results File: 11030201.RES

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Multiple Level Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030201\R1030222.D Vial: 20
Acq On : 2 Mar 2001 6:03 pm Operator: GD
Sample : A0102050-04B~SC~1~1 Inst : Roo
Misc : A010228002 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 5 8:23 2001 Quant Results File: 11030201.RES

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Initial Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :

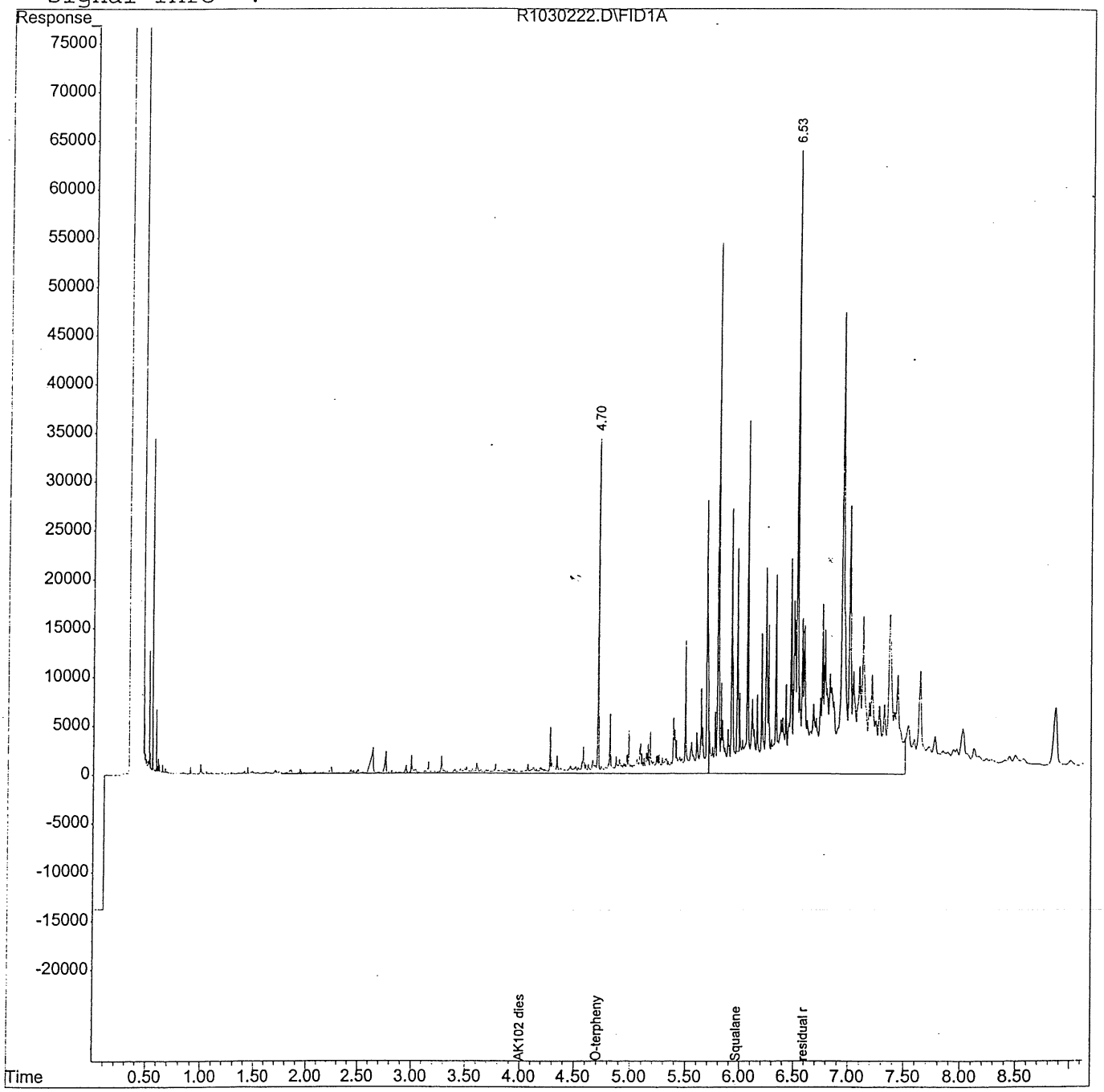
		Compound	R.T.	Response	Conc	Units	
		System Monitoring Compounds					
1)	s	O-terphenyl	4.70	158734	46.478	mg/l	
2)	s	Squalane	5.97	134740	51.472	mg/l	m
		Target Compounds					
3)	h	AK102 diesel range c10-c25	4.00	1716553	582.665	mg/l	
4)	h	residual range c25-c36end	6.60	7996129	6091.624	mg/l	

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\DATA\ROO\030201\R1030222.D Vial: 20
Acq On : 2 Mar 2001 6:03 pm Operator: GD
Sample : A0102050-04B~SC~1~1 Inst : Roo
Misc : A010228002 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 5 8:23 2001 Quant Results File: 11030201.RES

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Multiple Level Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030201\R1030224.D Vial: 22
Acq On : 2 Mar 2001 6:21 pm. Operator: GD
Sample : A0102050-06B~SC~1~1 Inst : Roo
Misc : A010228002 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 5 8:26 2001 Quant Results File: 11030201.RES

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Initial Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :

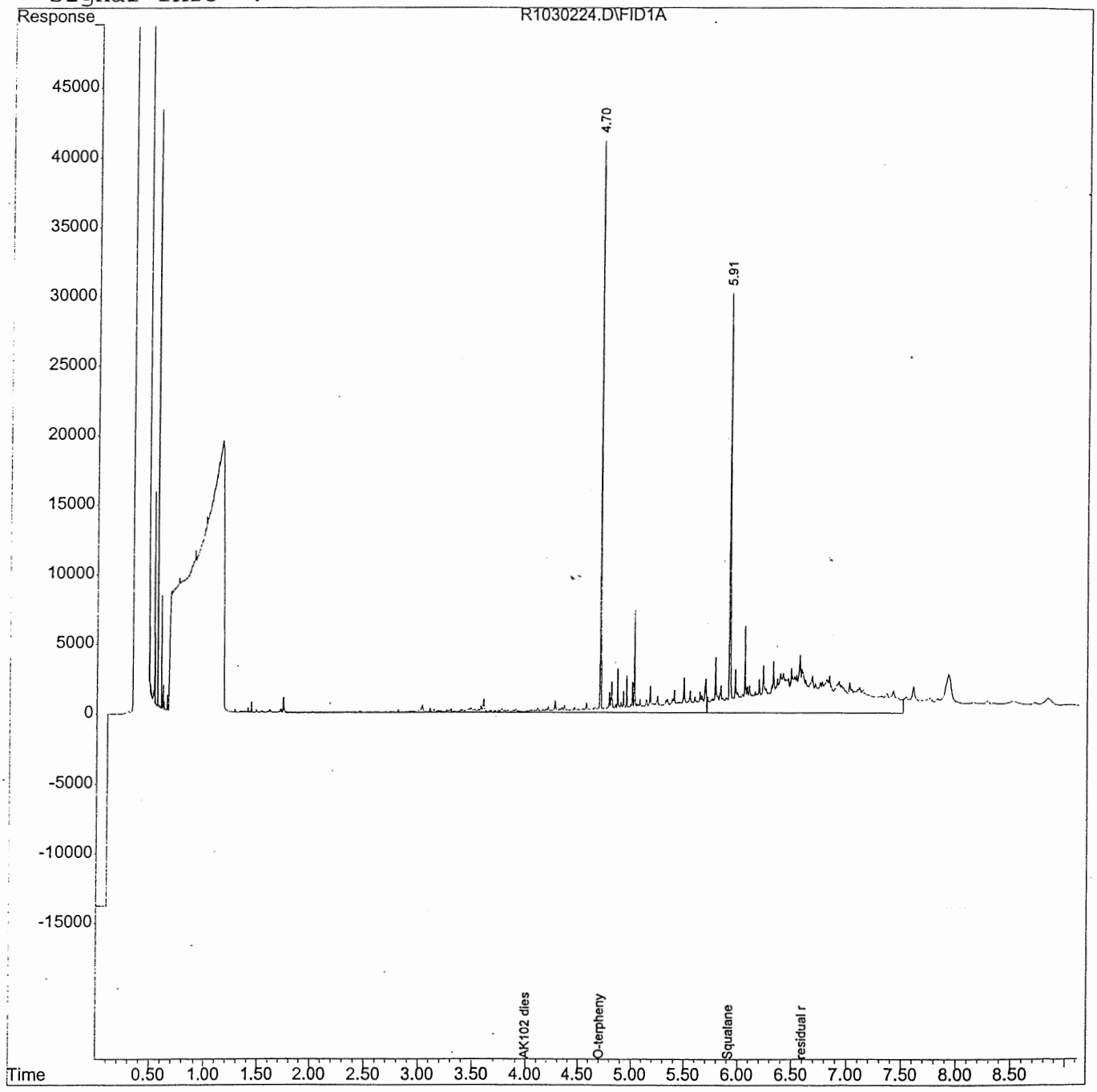
	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) s	O-terphenyl	4.70	183803	53.819	mg/l	
2) s	Squalane	5.91f	154108	58.870	mg/l	m
	Target Compounds					
3) h	AK102 diesel range c10-c25	4.00	659359	223.812	mg/l	
4) h	residual range c25-c36end	6.60	1791822	1365.048	mg/l	

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\DATA\ROO\030201\R1030224.D Vial: 22
Acq On : 2 Mar 2001 6:21 pm. Operator: GD
Sample : A0102050-06B~SC~1~1 Inst : Roo
Misc : A010228002 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 5 8:26 2001 Quant Results File: 11030201.RES

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Multiple Level Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030201\R1030225.D Vial: 23
Acq On : 2 Mar 2001 6:38 pm Operator: GD
Sample : A0102050-07B~SC~1~1 Inst : Roo
Misc : A010228002 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 5 10:45 2001 Quant Results File: 11030201.RES

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Initial Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units	
		System Monitoring Compounds					
1)	s	O-terphenyl	4.70	169306	49.574	mg/l	
2)	s	Squalane	5.91f	174799	66.774	mg/l	m
		Target Compounds					
3)	h	AK102 diesel range c10-c25	4.00	1115555	378.663	mg/l	
4)	h	residual range c25-c36end	6.60	4933959	3758.796	mg/l	

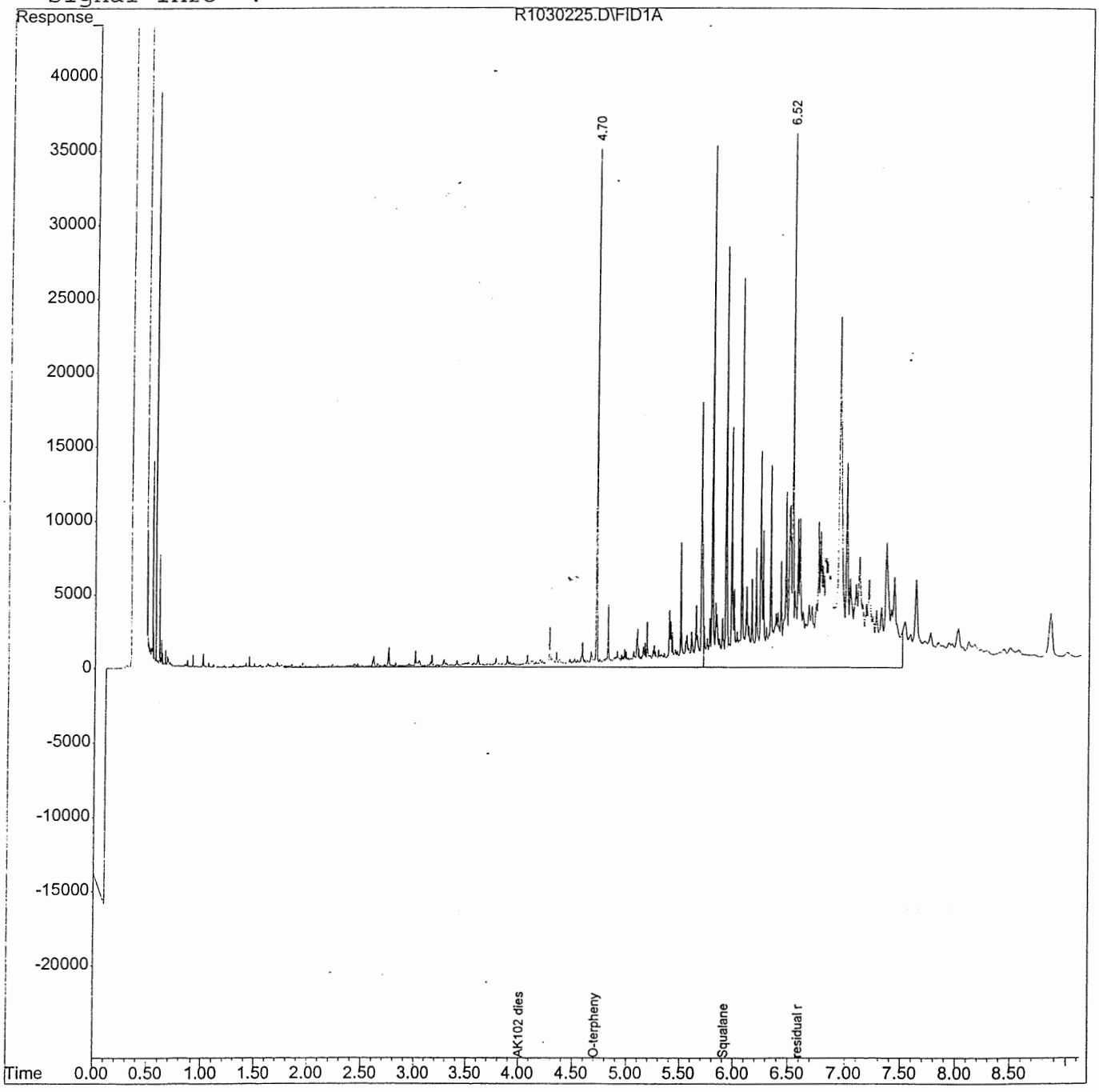
(f)=RT Delta > 1/2 Window (m)=manual int.

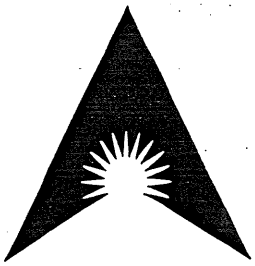
Quantitation Report (QT Reviewed)

Data File : D:\DATA\ROO\030201\R1030225.D Vial: 23
Acq On : 2 Mar 2001 6:38 pm Operator: GD
Sample : A0102050-07B~SC~1~1 Inst : Roo
Misc : A010228002 Multiplr: 1.00
IntFile : R1Q_1108.E
Quant Time: Mar 5 10:45 2001 Quant Results File: 11030201.RES

Quant Method : C:\HPCHEM\1...\11030201.M (Chemstation Integrator)
Title : drrros
Last Update : Fri Mar 02 16:35:53 2001
Response via : Multiple Level Calibration
DataAcq Meth : S101R.M

Volume Inj. :
Signal Phase :
Signal Info :





Analytica
Alaska, Inc.

Support Documentation

ANALYTICA
ALASKA INC.
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(907) 780-6668
FAX: (907) 780-6670

12189 Pennsylvania Street
Thornton, CO 80241
(303) 469-8868
(800) 873-8707
FAX: (303) 469-5254

LGN: A0102050
Quote:

Chain of Custody Record / Analysis Request

Company Name: TERRASAT INC.
Company Address: 1413 West 31st Avenue Anchorage
Telephone: (907) 344-9370
Fax: (907) 344-1490
Email: bill.terrasat@gci.net

Project Name: Independent Lift Truck
Report To: Bill Lawrence
Invoice To: TERRASAT
P.O. Number: 20100A

Sample ID	Date Collected	Time Collected	Matrix	# Containers: 4oz w/Meth	4oz	4oz Plastic	BTEX by EPA 5030/8021b	TAH by EPA 602	TAqH by EPA 610/602	GRO by AK101/1	DRO by AK102/RRO by AK103	RRO by AK103	A+A by AK101AA	A+A by AK102AA/AK103AA	GRO/BTEX	8260	P-moist	PH<2	Hold for Further Analysis	LAB ID
TH1 - 1.0	2/23	9:30	S	1	2					1	1					1				01
TH1 - 6.0	2/23	9:45	S	1	2					1	1					1				02
TH2 - 1.0		10:10		1	1						1				1					03
TH2 - 4.0		10:30		1	1						1				1					04
TH2A - 4.0		10:30		1		1	1				X						1			05
TH3 - 1.0		10:50		1	1						1				1					06
TH3 - 4.0		11:05		1	1						1				1					07
Trip Blank							1													08

Comments:

DELIVERABLES
- ☐ Level 1
- ☒ ADEC
- ☐ ACOE
- ☒ Chromatograms

EDD
- ☐ COELT
- ☒ STD
- ☒ Email

TURNAROUND
- ☐ 2 Business Days
- ☐ 5 Business Days
- ☒ 10-15 Business Days
- ☐ Other _____ # Business Days

RELINQUISHED BY SAMPLER:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: William R Lawrence	Signature: Guy W	Signature: Guy W	Signature: Amber Hammontree
Printed Name: William R Lawrence	Printed Name: Guy Warren	Printed Name: Guy Warren	Printed Name: Amber Hammontree
Firm: Terrasat Inc	Firm: Terrasat Inc.	Firm: Terrasat Inc	Firm: Analytica Alaska
Date/Time: 2/23/01 13:13	Date/Time: 2/23/01 13:14	Date/Time: 2/23/01 15:33	Date/Time: 2/23/01 13:13

Cooler Receipt Information
Temp. Received: -.1 °C
Temp. Received: _____ °C
# of Coolers: 1
Seals: yes 1 WRL
Courier Fee:$ _____
Airbill #: _____

ANALYTICA

Cooler Receipt Form

Client: Terrasat Inc. **Client Code:** 008225 **Order #:** A0102050
Project: Independent Lift Truck

Cooler ID: 1

A. Preliminary Examination Phase: **Date cooler opened:** 2/23/01 **Cooler opened by:** KC **Signature:** KC

1. **Was airbill Attached?** No **Airbill #:** **Carrier Name:** Other
2. **Custody Seals?** Yes **How many?** 1 **Location:** cooler lid **Seal Name:** wrl
3. **Seals intact?** Yes
4. **Screened for radiation?** No
5. **COC Attached?** Yes **Properly Completed?** Yes **Signed by AEL employee?** Yes
6. **Project Identification from custody paper:** Independent Lift Truck
7. **Preservative:** BlueGel **Temperature:** -0.1

Have designate person initial here to aknowlege receipt of cooler: KC **Date:** 2/23/01

Comments:

B. Log-In Phase: **Samples Log-in Date:** 2/26/01 **Log-in By:** KC **Signature:** KC

1. **Packing Type:** Other
2. **Were samples in separate bags?** Yes
3. **Were containers intact?** Yes **Labels agree with COC?** Yes
4. **Number of bottles received:** 15 **Number of samples received:** 7
5. **Correct containers used?** Yes **Correct preservatives added?** Yes
6. **Sufficient sample volume?** Yes
7. **Bubbles in VOA samples?** N/A
8. **Was Project manager called and status discussed?** No
9. **Was anyone called?** No **Who was called?** _____ **By whom?** _____ **Date:** _____

Comments:

3/12/01

Terrasat, Inc.
1413 West 31st Avenue
Anchorage, AK 99503
Attn: Bill Lawrence

Work Order #: B0102199
Date: 3/12/01
Work ID: Independent Lift Truck
Date Received: 2/27/01

Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
B0102199-01	TH1-1.0	B0102199-02	TH1-6.0

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

Sincerely,

Charity Brockman
Project Manager

Case Narrative

Analytica Environmental Laboratories, Inc.
Work Order: B0102199

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

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

- Standard Method for Laboratory Determination of Water (Moisture) Content of Soil, Rock, and Soil-Aggregate Mixtures, ASTM D 2216-80, July 1980.

Problems encountered with the analyses are discussed in the following narrative.

Appendix B
Test Boring Geologic Logs

TERRASAT, INC. — Test Boring #1

PROJECT Independent Lift Truck of Alaska
DATE DRILLED 2/23/01
DRILLING METHOD hollow-stem auger
DRILLING COMPANY Discovery Drilling Inc.
SURFACE ELEVATION unknown
TOTAL DEPTH 6.0 feet below ground
WATER LEVEL ATD not encountered
LOGGED BY Terrasat, Inc. - Bill Lawrence

DRO AK102 (ppm)	GRO AK101 (ppm)	BTEX 8021b (ppm)	PID (ppm)	Depth (feet)	Sample ID	Split Spoon Location	Blows/Foot 20 60	Graphic Log	USCS Soil Class	Materials Description and Remarks	Depth (feet)
				0						Ground Surface	0
										greenish gray gravelly SAND	
										gravel subrounded to 2", medium sand, dry, moderate hydrocarbon odor	
140	2.2	0.0052	18.8	1	TB1-1.0				SP	cobble	1
										dark gray - slight hydrocarbon odor	
			14.5	2							2
										olive gray gravelly SILT	
										gravel subrounded to 2", no hydrocarbon odor	
			15.4								
				3					GM		3
				4							4
				5						with sand	5
35	ND	ND	17.0		TB1-6.0						
				6						Excavation terminated at 6.0 ft. below ground surface. Frozen to depth. Backfilled with drill cuttings.	6
										End of Log	
				7							7
				8							8
				9							9
				10							10

JOB NUMBER 20100A

TERRASAT, INC. — Test Boring #2

PROJECT Independent Lift Truck of Alaska
DATE DRILLED 2/23/01
DRILLING METHOD hollow-stem auger
DRILLING COMPANY Discovery Drilling Inc.
SURFACE ELEVATION unknown
TOTAL DEPTH 4.0 feet below ground
WATER LEVEL ATD not encountered
LOGGED BY Terrasat, Inc. - Bill Lawrence

DRO AK102 (ppm)	GRO AK101 (ppm)	BTEX 8021b (ppm)	PID (ppm)	Depth (feet)	Sample ID	Split Spoon Location	Blows/Foot 20 60	Graphic Log	USCS Soil Class	Materials Description and Remarks	Depth (feet)
				0						Ground Surface	0
										olive gray gravelly SAND dry, with 1" minus gravel, moderate hydrocarbon odor	
540	ND	0.068	78.5	1	TB2-1.0				SP	cobble	1
				2							2
			19.2								
										olive gray gravelly SILT slight - no hydrocarbon odor	
				3					GM		3
27	ND	0.0047	17.0		TB2-4.0				PT	dark brown PEAT no hydrocarbon odor	
				4						Excavation terminated at 4.0 ft. below ground surface. Frozen to depth. Backfilled with drill cuttings.	4
										End of Log	
				5							5
				6							6
				7							7
				8							8
				9							9
				10							10

JOB NUMBER 20100A

TERRASAT, INC. — Test Boring #3

PROJECT Independent Lift Truck of Alaska
DATE DRILLED 2/23/01
DRILLING METHOD hollow-stem auger
DRILLING COMPANY Discovery Drilling Inc.
SURFACE ELEVATION unknown
TOTAL DEPTH 4.0 feet below ground
WATER LEVEL ATD not encountered
LOGGED BY Terrasat, Inc. - Bill Lawrence

DRO AK102 (ppm)	GRO AK101 (ppm)	BTEX 8021b (ppm)	PID (ppm)	Depth (feet)	Sample ID	Split Spoon Location	Blows/Foot 20 60	Graphic Log	USCS Soil Class	Materials Description and Remarks	Depth (feet)
				0						Ground Surface	0
9.6	ND	ND	10.5	1	TB3-1.0				SP	olive gray gravelly SAND dry, no hydrocarbon odor	1
				2					GM	dark olive gray gravelly SILT gravel 1"minus, no hydrocarbon odor	2
				3					SM	greenish gray SAND medium-fine, with organics, gravel 1/2" minus - no hydrocarbon odor	3
17	ND	0.0201	11.2	4	TB3-4.0					Excavation terminated at 4.0 ft. below ground surface. Frozen to depth. Backfilled with drill cuttings.	4
				5						End of Log	5
				6							6
				7							7
				8							8
				9							9
				10							10

JOB NUMBER 20100A