HALEY & ALDRICH

ENGLAND GEOSYSTEM
ENVIRONMENTAL ENGINEERING

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

TECHNICAL MEMORANDUM

IMPORT SOIL EVALUATION
USE OF SOIL SOURCES I AND J AS IMPORT TO PARCEL C

To: **Mr. Brian Mossman**
Boeing Realty Corporation
3760 Kilroy Airport Way, Suite 500
Long Beach, CA 90806

From: **Haley & Aldrich, Inc.**

Date: **March 30, 2001**

Re: **Import Soil Evaluation, Use of Soil Sources I and J as Import to Parcel C, Boeing Realty Corporation, Former C-6 Facility – Parcel C, Los Angeles, California**

Haley & Aldrich, Inc. is herein providing this technical memorandum to summarize our recommendations regarding use of two identified potential import soil sources, herein referred to as Sources I and J, as import to Parcel C of the Boeing Realty Corporation's (BRC's) Former C-6 Facility in Los Angeles, California (subject parcel). Based on our review of the information provided for the Sources I and J import soils, it is recommended that these soils be used as fill soil on Parcel C.

OVERVIEW/PURPOSE

Two sources of soil, totaling up to approximately 40,000 cubic yards, have been identified as potential import soil for use on Parcel C. Kennedy Jenks Consultants (K/J) collected two soil samples from Source I and three soil samples from Source J and tested these samples in accordance with the protocol presented in the December 11, 2000 Import Soil Screening Program Plan prepared for Parcel C. This plan has been used as guidance to evaluate import soil from "offsite" sources. The criteria presented in the plan were then compared to the analytical results of the soil samples. The purpose of this technical memorandum is to present a summary of the import soil evaluation of the Sources I and J soils and to provide recommendations for use as import for Parcel C.

LOCATION OF PROPOSED SOURCES I AND J IMPORT SOIL

The Source I potential import soil comprises approximately 12,000 cubic yards. Source I soil originated from the Caltrans right-of-way at the northbound Interstate 405 on-ramp at Imperial Highway in Los Angeles, California. These soils were excavated as part of freeway construction.

The Source J potential import soil comprises approximately 28,000 cubic yards. Source J soil originated from the Caltrans right-of-way at the northbound Interstate 405 off-ramp at El Segundo Boulevard in Los Angeles, California. These soils were also excavated as part of freeway construction.

COMPARISON OF ANALYTICAL RESULTS TO IMPORT SOIL GUIDANCE CRITERIA

The laboratory report for the soil samples collected from the subject potential import soils is presented as Attachment 1. Each sample was tested for metals, and various organic chemicals, including total petroleum hydrocarbons, polynuclear aromatic hydrocarbons, and volatile organic hydrocarbons. A review of the laboratory results indicates that the organic chemical results are within both the site-specific import soil evaluation criteria presented in the December 11, 2000 Import Soil Screening Program Plan. A summary of the detected organic compounds and their associated site-specific soil import criteria are presented in Table 1. The remaining organic compounds on the analyte list were not detected, and their detection limits are consistent with the soil import criteria.

Table 1. Summary of Detected Organic Results and Associated Site-Specific Import Soil Criteria

Sample Identification	Chemical	Reported Concentration (mg/kg)	Site-Specific Import Soil Criterion (mg/kg)
SOURCE I-1-030901	Total petroleum hydrocarbons (C24-C39)	190	< 10 – 5,000
SOURCE I-1-030901	Total petroleum hydrocarbons (C40+)	120	< 10 – 5,000
SOURCE I-1-030901	Total petroleum hydrocarbons (Total Carbon Chain)	340	< 10 – 5,000
SOURCE I-1-030901	Benzo(a)anthracene	0.350	< 0.016 – 11.4
SOURCE I-1-030901	Benzo(a)pyrene	0.320	< 0.004 – 1.14
SOURCE I-1-030901	Fluoranthene	1.100	< 0.020 – 6,970
SOURCE I-1-030901	Pyrene	0.020	< 0.040 – 2,350
SOURCE J-1-030901	Total petroleum hydrocarbons (C28-C35)	22	< 10 – 5,000
SOURCE J-1-030901	Total petroleum hydrocarbons (Total Carbon Chain)	41	< 10 – 5,000
SOURCE J-2-030901	Total petroleum hydrocarbons (C32-C39)	27	< 10 – 5,000
SOURCE J-2-030901	Total petroleum hydrocarbons (Total Carbon Chain)	56	< 10 – 5,000
SOURCE J-3-030901	Total petroleum hydrocarbons (C28-C35)	30	< 10 – 5,000

Several of the metals results are greater than the site-specific criteria, but are within the reported southern California background literature value criteria. A summary of these metals results is presented in Table 2. The remaining metals on the analyte list are consistent with the import soil criteria.

Table 2. Summary of Metals Results Greater Than Site-Specific Import Soil Criteria and Associated Site-Specific and Southern California Import Soil Criteria

Sample Identification	Chemical	Reported Concentration (mg/kg)	Site-Specific Import Soil Criterion (mg/kg)	Maximum Regional (Southern California) Background Criterion (mg/kg)
Source-I-1-030901	Lead	13	8	189.4

BOE-C6-0006584

	Copper	22.7	20	54
Source-J-1-030901	Lead	10.7	8	189.4
	Vanadium	42.9	38	84.8
	Copper	31.3	20	54
Source-J-2-030901	Lead	19.2	8	189.4
	Nickel	18.2	18	28.2
	Beryllium	0.51	0.5	1.2
	Vanadium	45.5	38	84.8
	Zinc	67.1	64	247
	Copper	28.8	20	54
Source-J-3-030901	Lead	17.2	8	189.4
	Nickel	19.2	18	28.2
	Beryllium	0.55	0.5	1.2
	Vanadium	48.3	38	84.8
	Zinc	64.9	64	247
	Copper	33.2	20	54

RECOMMENDATIONS FOR USE AS IMPORT SOIL

It is recommended that the subject approximately 40,000 cubic yards of soil comprising Sources I and J be used as fill soil on Parcel C. The reported soil concentrations for organic compounds are consistent with the site-specific criteria, and those for inorganic chemicals are consistent with the site-specific and/or southern California background criteria. These background values are considered to be representative of the general geographic region from which the Sources I and J import soils originated, and are not considered to be a result of chemical contamination.

Sincerely yours,
HALEY & ALDRICH, INC.

Anita Broughton, CIH
Risk Assessment Task Manager

Scott Zachary
Project Manager

Attachments:

Attachment 1 Laboratory Report

BOE-C6-0006585

SEVERN TRENT SERVICES

STL Los Angeles

Cover Letter 2

Chain of Custody 3

Analytical Report 9

Raw Data 8260B 84

Raw Data TVPH 183

Raw Data TEPH 247

Raw Data Metals 426

BOE-C6-0006586

SEVERN TRENT SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

March 15, 2001

STL LOT NUMBER: E1C090309
PO/CONTRACT: 05160-SEV002

Jay Knight
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Knight,

This report contains the analytical results for the six samples received under chain of custody by STL Los Angeles on March 9, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

Note that the 8310 analysis was performed at Del Mar Analytical. See attached report for any related anomalies. All applicable quality control procedures meet method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading beyond 2 to 6 degrees Celsius is considered not within acceptable criteria unless otherwise noted such as limited transit time from field and test requested. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the test performed at our facility in this report meet all the requirements of NELAC certification number 01118CA. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

This report contains 000083 pages.

SEVERN TRENT LABORATORIES

Committed To Your Success

No. 203086

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Kennedy / Jenks	PROJECT NAME/NUMBER: 004034.00
SEND REPORT TO: Jay Knight	BILLING INFORMATION
ADDRESS: 2151 Michelson Dr. Suite 100	BILL TO: Boeing Realty
Irvine CA. 92612	ADDRESS:
PHONE: 949-261-1577	PHONE:
FAX: 949-261-2134	FAX: PO NO.:

LAB JOB NO.

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	8260 / VOCs	8015 / TPH	T-22 metals - 6010 + 7470/7471	8310 / PAH's					REMARKS/PRECAUTIONS
	Source-A-1-030901	3/9/01	1000	Soil	2x6 Brass	—	1	X	X	X	X					
	Source-A-2-030901	"	1010	"	"	—	1	X	X	X	X					
	Source-A-3-030901	"	1015	"	"	—	1	X	X	X	X					
	Source-I-1-030901	"	1115	"	"	—	1	X	X	X	X					
	Source-I-2-030901	"	1120	"	"	—	1	X	X	X	X					
	Build-2-A-M-030901-1	"	0800					X	X	X		5 day turnaround				Please Run for 7192 if > 38mg/kg Total chrome

SAMPLER: Shane Scrimshire

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☒ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	3-9-01	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Shane Scrimshire K/J	TIME 1535	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	3/9/01	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL LA	TIME 1535	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

SEVERN TRENT LABORATORIES
1721 South Grand Avenue
Santa Ana, CA 92705
Phone: (714) 258-8610 / Fax: (714) 258-0921

STL Los Angeles

BOE-C6-0006588

PROJECT RECEIPT CHECKLIST Date: 3/9/01

Quantims Lot #: EIC 090309 Quote #: 38629

Client Name: KENNEDY JENKS Project: 004034.00

Received by: AV Date/Time Received: 3/9/01 15:35

Delivered by: ☒ Client ☐ Airborne ☐ Fed Ex ☐ DHL ☐ Ultra-Ex ☐ Rey B. ☐ UPS ☐ DES ☐ Other _____

Initial / Date

Custody Seal Status: ☐ Intact ☐ Broken ☒ None ..... AV 3/9

Custody Seal #(s): _____ ☐ No Seal # .....

Sample Container(s): ☐ STL-LA ☒ Client ☐ N/A .....

Temperature(s) (COOLER/BLANK) in °C: 6°C (CORRECTED TEMP).....

Thermometer Used : ☒ IR (Infra-red) ☐ Digital (Probe) .....

Samples: ☒ Intact ☐ Broken ☐ Other _____ .....

Anomalies: ☒ No ☐ Yes (See Clouseau) .....

Labeled by AV .....

Labeling checked by AR .....

Turn Around Time: ☐ RUSH-24HR ☒ RUSH-48HR ☐ RUSH-72HR ☐ NORMAL ..... AV 3/9

Short-Hold Notification: ☐ Ph ☐ Wet Chem ☐ Metals (Filter/Pres) ☐ Encore ☒ N/A ...

Outside Analysis(es) (Test/Lab/Date Sent Out) : – 8310

to - - - - Del Mar .....

********** LEAVE NO BLANK SPACES ; USE N/A **********

Fraction	1 TO 6										PH
VOAh /*											N/A
Brass Sleeve	1										—

h:HCl na:Sodium Hydroxide mna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/fl:HNO3-Lab filtered

CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: [signature] 03/09/01 REVIEWED BY/DATE: [signature]

EXECUTIVE SUMMARY - Detection Highlights

E1C090309

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Source-J-1-030901 03/09/01 10:00 001				
C28-C31	11	10	mg/kg	SW846 8015B
C32-C35	11	10	mg/kg	SW846 8015B
Total Carbon Chain Range	41	10	mg/kg	SW846 8015B
Mercury	0.064 B	0.10	mg/kg	SW846 7471A
Aluminum	13300	20.0	mg/kg	SW846 6010B
Arsenic	5.7	1.0	mg/kg	SW846 6010B
Barium	99.4	2.0	mg/kg	SW846 6010B
Beryllium	0.48 B	0.50	mg/kg	SW846 6010B
Cobalt	8.0	5.0	mg/kg	SW846 6010B
Chromium	26.3	1.0	mg/kg	SW846 6010B
Copper	31.3	2.5	mg/kg	SW846 6010B
Molybdenum	0.97 B	4.0	mg/kg	SW846 6010B
Nickel	17.9	4.0	mg/kg	SW846 6010B
Lead	10.7	0.50	mg/kg	SW846 6010B
Thallium	1.3	1.0	mg/kg	SW846 6010B
Vanadium	42.9	5.0	mg/kg	SW846 6010B
Zinc	60.5	2.0	mg/kg	SW846 6010B
Source-J-2-030901 03/09/01 10:10 002				
C24-C27	6.0 J	10	mg/kg	SW846 8015B
C28-C31	9.5 J	10	mg/kg	SW846 8015B
C32-C35	12	10	mg/kg	SW846 8015B
C36-C39	15	10	mg/kg	SW846 8015B
C40+	7.9 J	10	mg/kg	SW846 8015B
Total Carbon Chain Range	56	10	mg/kg	SW846 8015B
Mercury	0.045 B	0.10	mg/kg	SW846 7471A
Aluminum	14000	20.0	mg/kg	SW846 6010B
Arsenic	5.5	1.0	mg/kg	SW846 6010B
Barium	104	2.0	mg/kg	SW846 6010B
Beryllium	0.51	0.50	mg/kg	SW846 6010B
Cobalt	7.4	5.0	mg/kg	SW846 6010B
Chromium	26.7	1.0	mg/kg	SW846 6010B
Copper	28.8	2.5	mg/kg	SW846 6010B
Molybdenum	1.1 B	4.0	mg/kg	SW846 6010B
Nickel	18.2	4.0	mg/kg	SW846 6010B
Lead	19.2	0.50	mg/kg	SW846 6010B
Antimony	0.58 B	6.0	mg/kg	SW846 6010B
Thallium	0.85 B	1.0	mg/kg	SW846 6010B
Vanadium	45.5	5.0	mg/kg	SW846 6010B
Zinc	67.1	2.0	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1C090309

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Source-J-3-030901 03/09/01 10:15 003				
C28-C31	7.7 J	10	mg/kg	SW846 8015B
C32-C35	8.3 J	10	mg/kg	SW846 8015B
C36-C39	5.3 J	10	mg/kg	SW846 8015B
Total Carbon Chain Range	30	10	mg/kg	SW846 8015B
Mercury	0.031 B	0.10	mg/kg	SW846 7471A
Aluminum	15100	20.0	mg/kg	SW846 6010B
Arsenic	6.6	1.0	mg/kg	SW846 6010B
Barium	106	2.0	mg/kg	SW846 6010B
Beryllium	0.55	0.50	mg/kg	SW846 6010B
Cobalt	8.2	5.0	mg/kg	SW846 6010B
Chromium	27.4	1.0	mg/kg	SW846 6010B
Copper	33.2	2.5	mg/kg	SW846 6010B
Molybdenum	1.2 B	4.0	mg/kg	SW846 6010B
Nickel	19.2	4.0	mg/kg	SW846 6010B
Lead	17.2	0.50	mg/kg	SW846 6010B
Antimony	0.26 B	6.0	mg/kg	SW846 6010B
Thallium	0.98 B	1.0	mg/kg	SW846 6010B
Vanadium	48.3	5.0	mg/kg	SW846 6010B
Zinc	64.9	2.0	mg/kg	SW846 6010B
Source-I-1-030901 03/09/01 11:15 004				
C20-C23	9.8 J	10	mg/kg	SW846 8015B
C24-C27	22	10	mg/kg	SW846 8015B
C28-C31	41	10	mg/kg	SW846 8015B
C32-C35	62	10	mg/kg	SW846 8015B
C36-C39	65	10	mg/kg	SW846 8015B
C40+	120	10	mg/kg	SW846 8015B
Total Carbon Chain Range	340	10	mg/kg	SW846 8015B
Mercury	0.062 B	0.10	mg/kg	SW846 7471A
Aluminum	9310	20.0	mg/kg	SW846 6010B
Arsenic	4.4	1.0	mg/kg	SW846 6010B
Barium	80.9	2.0	mg/kg	SW846 6010B
Beryllium	0.33 B	0.50	mg/kg	SW846 6010B
Cobalt	5.0	5.0	mg/kg	SW846 6010B
Chromium	16.4	1.0	mg/kg	SW846 6010B
Copper	22.7	2.5	mg/kg	SW846 6010B
Molybdenum	0.62 B	4.0	mg/kg	SW846 6010B
Nickel	10.4	4.0	mg/kg	SW846 6010B
Lead	13.0	0.50	mg/kg	SW846 6010B
Vanadium	27.8	5.0	mg/kg	SW846 6010B
Zinc	55.1	2.0	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1C090309

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Source-I-2-030901 03/09/01 11:20 005				
Mercury	0.026 B	0.10	mg/kg	SW846 7471A
Vanadium	24.3	5.0	mg/kg	SW846 6010B
Zinc	26.7	2.0	mg/kg	SW846 6010B
Aluminum	7460	20.0	mg/kg	SW846 6010B
Arsenic	1.4	1.0	mg/kg	SW846 6010B
Barium	57.8	2.0	mg/kg	SW846 6010B
Beryllium	0.25 B	0.50	mg/kg	SW846 6010B
Cobalt	3.6 B	5.0	mg/kg	SW846 6010B
Chromium	7.6	1.0	mg/kg	SW846 6010B
Copper	7.5	2.5	mg/kg	SW846 6010B
Nickel	5.1	4.0	mg/kg	SW846 6010B
Lead	1.9	0.50	mg/kg	SW846 6010B
Thallium	0.52 B	1.0	mg/kg	SW846 6010B
Build -2-AE-13-030901-1 03/09/01 08:00 006				
Aluminum	24800	20.0	mg/kg	SW846 6010B
Arsenic	5.2	1.0	mg/kg	SW846 6010B
Barium	168	2.0	mg/kg	SW846 6010B
Beryllium	0.82	0.50	mg/kg	SW846 6010B
Cobalt	12.5	5.0	mg/kg	SW846 6010B
Chromium	29.1	1.0	mg/kg	SW846 6010B
Copper	39.9	2.5	mg/kg	SW846 6010B
Molybdenum	0.49 B	4.0	mg/kg	SW846 6010B
Nickel	20.6	4.0	mg/kg	SW846 6010B
Lead	6.3	0.50	mg/kg	SW846 6010B
Thallium	0.91 B	1.0	mg/kg	SW846 6010B
Vanadium	58.1	5.0	mg/kg	SW846 6010B
Zinc	71.2	2.0	mg/kg	SW846 6010B

METHODS SUMMARY

E1C090309

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846 5030

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

BOE-C6-0006593

SAMPLE SUMMARY

E1C090309

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
DW7TV	001	Source-J-1-030901	03/09/01	10:00
DW7T4	002	Source-J-2-030901	03/09/01	10:10
DW7T7	003	Source-J-3-030901	03/09/01	10:15
DW7VC	004	Source-I-1-030901	03/09/01	11:15
DW7VD	005	Source-I-2-030901	03/09/01	11:20
DW7VF	006	Build -2-AE-13-030901-1	03/09/01	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-1-030901

GC Semivolatiles

Lot-Sample #...:	E1C090309-001	**Work Order #...:**	DW7TV1AC	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 10:00	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1071274
Prep Date.....:	03/12/01	**Analysis Date..:**	03/14/01		
Prep Batch #...:	1071498	**Analysis Time..:**	14:20		
Dilution Factor:	1				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	ND	10	mg/kg	5.0
C28-C31	**11**	**10**	**mg/kg**	**5.0**
C32-C35	**11**	**10**	**mg/kg**	**5.0**
C36-C39	ND	10	mg/kg	5.0
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	**41**	**10**	**mg/kg**	**5.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	82	(60 - 130)

000009

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-1-030901

GC Volatiles

Lot-Sample #...:	E1C090309-001	**Work Order #...:**	DW7TV1AD	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 10:00	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1072196
Prep Date.....:	03/12/01	**Analysis Date..:**	03/12/01		
Prep Batch #...:	1072404	**Analysis Time..:**	13:21		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	83	(60 - 130)

000010

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-1-030901

GC/MS Volatiles

Lot-Sample #...: E1C090309-001 **Work Order #...:** DW7TV1AA **Matrix.....:** SOLID
Date Sampled...: 03/09/01 10:00 **Date Received..:** 03/09/01 15:35 **MS Run #.....:** 1072160
Prep Date.....: 03/12/01 **Analysis Date..:** 03/12/01
Prep Batch #...: 1072350 **Analysis Time..:** 16:10
Dilution Factor: 1
Analyst ID.....: 999998 **Instrument ID..:** MSG
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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BOE-C6-0006597

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-1-030901

GC/MS Volatiles

Lot-Sample #...: E1C090309-001 Work Order #...: DW7TV1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(70 - 130)
1,2-Dichloroethane-d4	100	(60 - 140)
Toluene-d8	106	(70 - 130)

000012

BOE-C6-0006598

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-2-030901

GC Semivolatiles

Lot-Sample #...:	E1C090309-002	Work Order #...:	DW7T41AE	Matrix.....:	SOLID
Date Sampled...:	03/09/01 10:10	Date Received..:	03/09/01 15:35	MS Run #.....:	1071274
Prep Date.....:	03/12/01	Analysis Date..:	03/14/01		
Prep Batch #...:	1071498	Analysis Time..:	14:59		
Dilution Factor:	1				
Analyst ID.....:	356074	Instrument ID..:	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	**6.0 J**	**10**	**mg/kg**	**5.0**
C28-C31	**9.5 J**	**10**	**mg/kg**	**5.0**
C32-C35	**12**	**10**	**mg/kg**	**5.0**
C36-C39	**15**	**10**	**mg/kg**	**5.0**
C40+	**7.9 J**	**10**	**mg/kg**	**5.0**
Total Carbon Chain Range	**56**	**10**	**mg/kg**	**5.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	83	(60 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

BOE-C6-0006599

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-2-030901

GC Volatiles

Lot-Sample #...:	E1C090309-002	Work Order #...:	DW7T41AF	Matrix.....:	SOLID
Date Sampled...:	03/09/01 10:10	Date Received..:	03/09/01 15:35	MS Run #.....:	1072196
Prep Date.....:	03/12/01	Analysis Date..:	03/12/01		
Prep Batch #...:	1072404	Analysis Time..:	13:50		
Dilution Factor:	1				
Analyst ID.....:	001464	Instrument ID..:	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	83	(60 - 130)

000014

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-2-030901

GC/MS Volatiles

Lot-Sample #...:	E1C090309-002	**Work Order #...:**	DW7T41AD	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 10:10	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1072160
Prep Date.....:	03/12/01	**Analysis Date..:**	03/12/01		
Prep Batch #...:	1072350	**Analysis Time..:**	16:43		
Dilution Factor:	1				
Analyst ID.....:	999998	**Instrument ID..:**	MSG		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-2-030901

GC/MS Volatiles

Lot-Sample #...: E1C090309-002 Work Order #...: DW7T41AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(70 - 130)
1,2-Dichloroethane-d4	102	(60 - 140)
Toluene-d8	106	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-3-030901

GC Semivolatiles

Lot-Sample #...:	E1C090309-003	**Work Order #...:**	DW7T71AE	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 10:15	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1071274
Prep Date.....:	03/12/01	**Analysis Date..:**	03/14/01		
Prep Batch #...:	1071498	**Analysis Time..:**	15:38		
Dilution Factor:	1				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	ND	10	mg/kg	5.0
C28-C31	**7.7 J**	**10**	**mg/kg**	**5.0**
C32-C35	**8.3 J**	**10**	**mg/kg**	**5.0**
C36-C39	**5.3 J**	**10**	**mg/kg**	**5.0**
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	**30**	**10**	**mg/kg**	**5.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	83	(60 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

000017

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-3-030901

GC Volatiles

Lot-Sample #...:	E1C090309-003	**Work Order #...:**	DW7T71AF	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 10:15	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1072196
Prep Date.....:	03/12/01	**Analysis Date..:**	03/12/01		
Prep Batch #...:	1072404	**Analysis Time..:**	14:18		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	84	(60 - 130)

000018

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-3-030901

GC/MS Volatiles

Lot-Sample #...:	E1C090309-003	**Work Order #...:**	DW7T71AD	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 10:15	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1072160
Prep Date.....:	03/12/01	**Analysis Date..:**	03/12/01		
Prep Batch #...:	1072350	**Analysis Time..:**	17:16		
Dilution Factor:	1				
Analyst ID.....:	999998	**Instrument ID..:**	MSG		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-3-030901

GC/MS Volatiles

Lot-Sample #...: E1C090309-003 Work Order #...: DW7T71AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(70 - 130)
1,2-Dichloroethane-d4	105	(60 - 140)
Toluene-d8	108	(70 - 130)

000020

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-1-030901

GC Semivolatiles

Lot-Sample #...:	E1C090309-004	Work Order #...:	DW7VC1AE	Matrix.....:	SOLID
Date Sampled...:	03/09/01 11:15	Date Received..:	03/09/01 15:35	MS Run #.....:	1071274
Prep Date.....:	03/12/01	Analysis Date..:	03/14/01		
Prep Batch #...:	1071498	Analysis Time..:	16:17		
Dilution Factor:	1				
Analyst ID.....:	356074	Instrument ID..:	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	9.8 J	10	mg/kg	5.0
C24-C27	22	10	mg/kg	5.0
C28-C31	41	10	mg/kg	5.0
C32-C35	62	10	mg/kg	5.0
C36-C39	65	10	mg/kg	5.0
C40+	120	10	mg/kg	5.0
Total Carbon Chain Range	340	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	80	(60 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

000021

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-1-030901

GC Volatiles

Lot-Sample #...:	E1C090309-004	Work Order #...:	DW7VC1AF	Matrix.....:	SOLID
Date Sampled...:	03/09/01 11:15	Date Received..:	03/09/01 15:35	MS Run #.....:	1072196
Prep Date.....:	03/12/01	Analysis Date..:	03/12/01		
Prep Batch #...:	1072404	Analysis Time..:	14:47		
Dilution Factor:	1				
Analyst ID.....:	001464	Instrument ID..:	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	82	(60 - 130)

000022

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-1-030901

GC/MS Volatiles

Lot-Sample #...: E1C090309-004 **Work Order #...:** DW7VC1AD **Matrix.....:** SOLID
Date Sampled...: 03/09/01 11:15 **Date Received..:** 03/09/01 15:35 **MS Run #.....:** 1072160
Prep Date.....: 03/12/01 **Analysis Date..:** 03/12/01
Prep Batch #...: 1072350 **Analysis Time..:** 17:49
Dilution Factor: 1
Analyst ID.....: 999998 **Instrument ID..:** MSG
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-1-030901

GC/MS Volatiles

Lot-Sample #...: E1C090309-004 Work Order #...: DW7VC1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(70 - 130)
1,2-Dichloroethane-d4	110	(60 - 140)
Toluene-d8	115	(70 - 130)

000024

BOE-C6-0006610

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-2-030901

GC Semivolatiles

Lot-Sample #...:	E1C090309-005	**Work Order #...:**	DW7VD1AE	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 11:20	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1071274
Prep Date.....:	03/12/01	**Analysis Date..:**	03/14/01		
Prep Batch #...:	1071498	**Analysis Time..:**	17:35		
Dilution Factor:	1				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	ND	10	mg/kg	5.0
C28-C31	ND	10	mg/kg	5.0
C32-C35	ND	10	mg/kg	5.0
C36-C39	ND	10	mg/kg	5.0
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	ND	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	96	(60 - 130)

000025

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-2-030901

GC Volatiles

Lot-Sample #...:	E1C090309-005	Work Order #...:	DW7VD1AF	Matrix.....:	SOLID
Date Sampled...:	03/09/01 11:20	Date Received..:	03/09/01 15:35	MS Run #.....:	1072196
Prep Date.....:	03/12/01	Analysis Date..:	03/12/01		
Prep Batch #...:	1072404	Analysis Time..:	15:15		
Dilution Factor:	1				
Analyst ID.....:	001464	Instrument ID..:	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	85	(60 - 130)

000026

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-2-030901

GC/MS Volatiles

Lot-Sample #...:	E1C090309-005	Work Order #...:	DW7VD1AD	Matrix.....:	SOLID
Date Sampled...:	03/09/01 11:20	Date Received..:	03/09/01 15:35	MS Run #.....:	1072160
Prep Date.....:	03/12/01	Analysis Date..:	03/12/01		
Prep Batch #...:	1072350	Analysis Time..:	18:22		
Dilution Factor:	1				
Analyst ID.....:	999998	Instrument ID..:	MSG		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-2-030901

GC/MS Volatiles

Lot-Sample #...: E1C090309-005 Work Order #...: DW7VD1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(70 - 130)
1,2-Dichloroethane-d4	93	(60 - 140)
Toluene-d8	109	(70 - 130)

000028

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build -2-AE-13-030901-1

GC Semivolatiles

Lot-Sample #...:	E1C090309-006	**Work Order #...:**	DW7VF1AC	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 08:00	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1071274
Prep Date.....:	03/12/01	**Analysis Date..:**	03/14/01		
Prep Batch #...:	1071498	**Analysis Time..:**	18:14		
Dilution Factor:	1				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	ND	10	mg/kg	5.0
C28-C31	ND	10	mg/kg	5.0
C32-C35	ND	10	mg/kg	5.0
C36-C39	ND	10	mg/kg	5.0
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	ND	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	104	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build -2-AE-13-030901-1

GC Volatiles

Lot-Sample #...:	E1C090309-006	**Work Order #...:**	DW7VF1AD	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 08:00	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1072196
Prep Date.....:	03/12/01	**Analysis Date..:**	03/12/01		
Prep Batch #...:	1072404	**Analysis Time..:**	15:44		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	85	(60 - 130)

000030

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build -2-AE-13-030901-1

GC/MS Volatiles

Lot-Sample #...:	E1C090309-006	**Work Order #...:**	DW7VF1AA	**Matrix.....:**	SOLID
Date Sampled...:	03/09/01 08:00	**Date Received..:**	03/09/01 15:35	**MS Run #.....:**	1072160
Prep Date.....:	03/12/01	**Analysis Date..:**	03/12/01		
Prep Batch #...:	1072350	**Analysis Time..:**	18:55		
Dilution Factor:	1				
Analyst ID.....:	999998	**Instrument ID..:**	MSG		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build -2-AE-13-030901-1

GC/MS Volatiles

Lot-Sample #...: E1C090309-006 Work Order #...: DW7VF1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(70 - 130)
1,2-Dichloroethane-d4	104	(60 - 140)
Toluene-d8	111	(70 - 130)

000032

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-1-030901

TOTAL Metals

Lot-Sample #...: E1C090309-001 Matrix.....: SOLID
Date Sampled...: 03/09/01 10:00 Date Received..: 03/09/01 15:35

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1069112						
Silver	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AT
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Aluminum	13300	20.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AE
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 8.0	
Arsenic	5.7	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AG
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Barium	99.4	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AH
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Beryllium	0.48 B	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AJ
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AK
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cobalt	8.0	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AL
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Chromium	26.3	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AX
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Copper	31.3	2.5	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AM
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-1-030901

TOTAL Metals

Lot-Sample #...: E1C090309-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	**0.97 B**	**4.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7TV1AP**
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Nickel	**17.9**	**4.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7TV1AQ**
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Lead	**10.7**	**0.50**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7TV1AN**
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AF
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7TV1AR
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Thallium	**1.3**	**1.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7TV1AU**
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.50	
Vanadium	**42.9**	**5.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7TV1AV**
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Zinc	**60.5**	**2.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7TV1AW**
		Dilution Factor: 1		Analysis Time..: 17:56	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 1.0	

Prep Batch #...: 1069113

Mercury	**0.064 B**	**0.10**	**mg/kg**	**SW846 7471A**	**03/13/01**	**DW7TV1A0**
		Dilution Factor: 1		Analysis Time..: 15:12	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1069016	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

000024

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-2-030901

TOTAL Metals

Lot-Sample #...: E1C090309-002 **Matrix.....:** SOLID
Date Sampled...: 03/09/01 10:10 **Date Received..:** 03/09/01 15:35

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1069112						
Silver	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41AV
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Aluminum	**14000**	**20.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7T41AG**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 8.0	
Arsenic	**5.5**	**1.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7T41AJ**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Barium	**104**	**2.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7T41AK**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Beryllium	**0.51**	**0.50**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7T41AL**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41AM
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cobalt	**7.4**	**5.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7T41AN**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Chromium	**26.7**	**1.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7T41A1**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Copper	**28.8**	**2.5**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7T41AP**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-2-030901

TOTAL Metals

Lot-Sample #...: E1C090309-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	1.1 B	4.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41AR
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Nickel	18.2	4.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41AT
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Lead	19.2	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41AQ
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Antimony	0.58 B	6.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41AH
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41AU
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Thallium	0.85 B	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41AW
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.50	
Vanadium	45.5	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41AX
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Zinc	67.1	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T41A0
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 1.0	
Prep Batch #...: 1069113						
Mercury	0.045 B	0.10	mg/kg	SW846 7471A	03/13/01	DW7T41AA
		Dilution Factor: 1		Analysis Time..: 15:14	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1069016	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

000036

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-3-030901

TOTAL Metals

Lot-Sample #...: E1C090309-003 Matrix.....: SOLID
Date Sampled...: 03/09/01 10:15 Date Received..: 03/09/01 15:35

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1069112						
Silver	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AV
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Aluminum	15100	20.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AG
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 8.0	
Arsenic	6.6	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AJ
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Barium	106	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AK
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Beryllium	0.55	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AL
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AM
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cobalt	8.2	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AN
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Chromium	27.4	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71A1
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Copper	33.2	2.5	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AP
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-J-3-030901

TOTAL Metals

Lot-Sample #...: E1C090309-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	1.2 B	4.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AR
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Nickel	19.2	4.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AT
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Lead	17.2	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AQ
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Antimony	0.26 B	6.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AH
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AU
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Thallium	0.98 B	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AW
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.50	
Vanadium	48.3	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71AX
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Zinc	64.9	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7T71A0
		Dilution Factor: 1		Analysis Time..: 18:13	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 1.0	
Prep Batch #...: 1069113						
Mercury	0.031 B	0.10	mg/kg	SW846 7471A	03/13/01	DW7T71AA
		Dilution Factor: 1		Analysis Time..: 15:15	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1069016	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

000038

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-1-030901

TOTAL Metals

Lot-Sample #...: E1C090309-004 Matrix.....: SOLID
Date Sampled...: 03/09/01 11:15 Date Received..: 03/09/01 15:35

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1069112						
Silver	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AV
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Aluminum	9310	20.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AG
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 8.0	
Arsenic	4.4	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AJ
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Barium	80.9	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AK
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Beryllium	0.33 B	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AL
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AM
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cobalt	5.0	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AN
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Chromium	16.4	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1A1
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Copper	22.7	2.5	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AP
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-1-030901

TOTAL Metals

Lot-Sample #...: E1C090309-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	**0.62 B**	**4.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VC1AR**
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Nickel	**10.4**	**4.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VC1AT**
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Lead	**13.0**	**0.50**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VC1AQ**
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AH
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AU
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Thallium	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VC1AW
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.50	
Vanadium	**27.8**	**5.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VC1AX**
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Zinc	**55.1**	**2.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VC1A0**
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 1.0	

Prep Batch #...: 1069113

Mercury	**0.062 B**	**0.10**	**mg/kg**	**SW846 7471A**	**03/13/01**	**DW7VC1AA**
		Dilution Factor: 1		Analysis Time..: 15:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1069016	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

000040

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-2-030901

TOTAL Metals

Lot-Sample #...: E1C090309-005 Matrix.....: SOLID
Date Sampled...: 03/09/01 11:20 Date Received..: 03/09/01 15:35

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1069112						
Vanadium	24.3	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AX
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Zinc	26.7	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1A0
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 1.0	
Silver	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AV
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Aluminum	7460	20.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AG
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 8.0	
Arsenic	1.4	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AJ
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Barium	57.8	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AK
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Beryllium	0.25 B	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AL
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AM
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cobalt	3.6 B	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AN
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-I-2-030901

TOTAL Metals

Lot-Sample #...: E1C090309-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	**7.6**	**1.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VD1A1**
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Copper	**7.5**	**2.5**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VD1AP**
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AR
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Nickel	**5.1**	**4.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VD1AT**
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Lead	**1.9**	**0.50**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VD1AQ**
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AH
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7VD1AU
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Thallium	**0.52 B**	**1.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VD1AW**
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.50	

Prep Batch #...: 1069113

Mercury	**0.026 B**	**0.10**	**mg/kg**	**SW846 7471A**	**03/13/01**	**DW7VD1AA**
		Dilution Factor: 1		Analysis Time..: 15:19	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1069016	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

000042

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build -2-AE-13-030901-1

TOTAL Metals

Lot-Sample #...: E1C090309-006 Matrix.....: SOLID
Date Sampled...: 03/09/01 08:00 Date Received..: 03/09/01 15:35

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1069112						
Silver	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AT
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Aluminum	24800	20.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AE
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 8.0	
Arsenic	5.2	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AG
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Barium	168	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AH
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Beryllium	0.82	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AJ
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AK
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.050	
Cobalt	12.5	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AL
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Chromium	29.1	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AX
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Copper	39.9	2.5	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AM
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build -2-AE-13-030901-1

TOTAL Metals

Lot-Sample #...: E1C090309-006 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	**0.49 B**	**4.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VF1AP**
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Nickel	**20.6**	**4.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VF1AQ**
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Lead	**6.3**	**0.50**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VF1AN**
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AF
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW7VF1AR
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.40	
Thallium	**0.91 B**	**1.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VF1AU**
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.50	
Vanadium	**58.1**	**5.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VF1AV**
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 0.10	
Zinc	**71.2**	**2.0**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW7VF1AW**
		Dilution Factor: 1		Analysis Time..: 18:38	Analyst ID.....: 0031194	
		Instrument ID..: M01		MS Run #.....: 1072234	MDL.....: 1.0	

Prep Batch #...: 1069113

Mercury	ND	0.10	mg/kg	SW846 7471A	03/13/01	DW7VF1A0
		Dilution Factor: 1		Analysis Time..: 15:20	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1069016	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

000044

QC DATA ASSOCIATION SUMMARY

E1C090309

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		1071498	1071274
	SOLID	SW846 8015B		1072404	1072196
	SOLID	SW846 7471A		1069113	1069016
	SOLID	SW846 8260B		1072350	1072160
	SOLID	SW846 6010B		1069112	1072234
002	SOLID	SW846 8015B		1071498	1071274
	SOLID	SW846 8015B		1072404	1072196
	SOLID	SW846 7471A		1069113	1069016
	SOLID	SW846 8260B		1072350	1072160
	SOLID	SW846 6010B		1069112	1072234
003	SOLID	SW846 8015B		1071498	1071274
	SOLID	SW846 8015B		1072404	1072196
	SOLID	SW846 7471A		1069113	1069016
	SOLID	SW846 8260B		1072350	1072160
	SOLID	SW846 6010B		1069112	1072234
004	SOLID	SW846 8015B		1071498	1071274
	SOLID	SW846 8015B		1072404	1072196
	SOLID	SW846 7471A		1069113	1069016
	SOLID	SW846 8260B		1072350	1072160
	SOLID	SW846 6010B		1069112	1072234
005	SOLID	SW846 8015B		1071498	1071274
	SOLID	SW846 8015B		1072404	1072196
	SOLID	SW846 7471A		1069113	1069016
	SOLID	SW846 8260B		1072350	1072160
	SOLID	SW846 6010B		1069112	1072234
006	SOLID	SW846 8015B		1071498	1071274
	SOLID	SW846 8015B		1072404	1072196
	SOLID	SW846 7471A		1069113	1069016
	SOLID	SW846 8260B		1072350	1072160
	SOLID	SW846 6010B		1069112	1072234

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1C090309
MB Lot-Sample #: E1C120000-498

Work Order #...: DW9T51AA

Matrix.....: SOLID

Prep Date.....: 03/12/01
Prep Batch #...: 1071498

Analysis Time..: 13:03
Instrument ID..: G03

Analysis Date..: 03/14/01
Dilution Factor: 1

Analyst ID.....: 356074

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C8-C9	ND	10	mg/kg	SW846 8015B
C10-C11	ND	10	mg/kg	SW846 8015B
C12-C13	ND	10	mg/kg	SW846 8015B
C14-C15	ND	10	mg/kg	SW846 8015B
C16-C17	ND	10	mg/kg	SW846 8015B
C18-C19	ND	10	mg/kg	SW846 8015B
C20-C23	ND	10	mg/kg	SW846 8015B
C24-C27	ND	10	mg/kg	SW846 8015B
C28-C31	ND	10	mg/kg	SW846 8015B
C32-C35	ND	10	mg/kg	SW846 8015B
C36-C39	ND	10	mg/kg	SW846 8015B
C40+	ND	10	mg/kg	SW846 8015B
Total Carbon Chain Range	ND	10	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	99	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

000046

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1C090309
MB Lot-Sample #: E1C130000-350

Analysis Date..: 03/12/01
Dilution Factor: 1

Work Order #...: DXAPJ1AA

Prep Date.....: 03/12/01
Prep Batch #...: 1072350

Analyst ID.....: 999998

Matrix.....: SOLID

Analysis Time..: 10:56
Instrument ID..: MSG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1C090309 **Work Order #...:** DXAPJ1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(70 - 130)
1,2-Dichloroethane-d4	88	(60 - 140)
Toluene-d8	107	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

000048

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1C090309
MB Lot-Sample #: E1C130000-404

Analysis Date..: 03/12/01
Dilution Factor: 1

Work Order #...: DXAXR1AA

Prep Date.....: 03/12/01
Prep Batch #...: 1072404

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 12:16
Instrument ID..: G16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C6-C8	ND	1.0	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	79	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1C090309 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E1C100000-112 **Prep Batch #...:** 1069112						
Aluminum	ND	20.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1CD
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AA
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AC
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AD
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AE
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AF
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AT
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AG
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	ND	2.5	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AH
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	**0.32 B**	**0.50**	**mg/kg**	**SW846 6010B**	**03/10-03/13/01**	**DW8JG1AJ**
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AK
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1C090309 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	4.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AL
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AM
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AN
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AP
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AQ
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	03/10-03/13/01	DW8JG1AR
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 003119	Instrument ID..: M01	

MB Lot-Sample #: E1C100000-113 **Prep Batch #...:** 1069113

Mercury	ND	0.10	mg/kg	SW846 7471A	03/13/01	DW8JM1AA
		Dilution Factor: 1				
		Analysis Time..: 15:08		Analyst ID.....: 021088	Instrument ID..: M04	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

000051

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E1C090309 Work Order #...: DW9T51AC Matrix.....: SOLID
LCS Lot-Sample#: E1C120000-498
Prep Date.....: 03/12/01 Analysis Date..: 03/14/01
Prep Batch #...: 1071498 Analysis Time..: 13:41
Dilution Factor: 1 Instrument ID..: G03
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**228**	**mg/kg**	**91**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	101	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000052

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E1C090309 Work Order #...: DXAXR1AC Matrix.....: SOLID
LCS Lot-Sample#: E1C130000-404
Prep Date.....: 03/12/01 Analysis Date..: 03/12/01
Prep Batch #...: 1072404 Analysis Time..: 11:48
Dilution Factor: 1 Instrument ID..: G16
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.29**	**mg/kg**	**106**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	113	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000054

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1C090309 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1C100000-112 Prep Batch #...: 1069112							
Antimony	50.0	50.7	mg/kg	101	SW846 6010B	03/10-03/13/01	DW8JG1AU
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	200	197	mg/kg	98	SW846 6010B	03/10-03/13/01	DW8JG1AV
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	200	208	mg/kg	104	SW846 6010B	03/10-03/13/01	DW8JG1AW
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	5.00	5.59	mg/kg	112	SW846 6010B	03/10-03/13/01	DW8JG1AX
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	5.00	5.31	mg/kg	106	SW846 6010B	03/10-03/13/01	DW8JG1A0
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	50.0	54.3	mg/kg	109	SW846 6010B	03/10-03/13/01	DW8JG1A1
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	25.0	25.9	mg/kg	104	SW846 6010B	03/10-03/13/01	DW8JG1A2
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	50.0	50.6	mg/kg	101	SW846 6010B	03/10-03/13/01	DW8JG1A3
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	100	105	mg/kg	105	SW846 6010B	03/10-03/13/01	DW8JG1A4
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	50.0	52.7	mg/kg	105	SW846 6010B	03/10-03/13/01	DW8JG1A5
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1C090309 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	200	187	mg/kg	93	SW846 6010B	03/10-03/13/01	DW8JG1A6
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	5.00	5.08	mg/kg	102	SW846 6010B	03/10-03/13/01	DW8JG1A7
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	200	207	mg/kg	103	SW846 6010B	03/10-03/13/01	DW8JG1A8
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	50.0	53.0	mg/kg	106	SW846 6010B	03/10-03/13/01	DW8JG1A9
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	50.0	52.8	mg/kg	106	SW846 6010B	03/10-03/13/01	DW8JG1CA
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	20.0	22.0	mg/kg	110	SW846 6010B	03/10-03/13/01	DW8JG1CC
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	
Aluminum	200	191	mg/kg	95	SW846 6010B	03/10-03/13/01	DW8JG1CE
			Dilution Factor: 1				
			Analysis Time..: 17:48		Analyst ID.....: 003119	Instrument ID..: M01	

LCS Lot-Sample#: E1C100000-113 **Prep Batch #...:** 1069113

Mercury	0.833	0.832	mg/kg	100	SW846 7471A	03/13/01	DW8JM1AC
			Dilution Factor: 1				
			Analysis Time..: 15:10		Analyst ID.....: 021088	Instrument ID..: M04	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

000056

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E1C090309 Work Order #...: DW9T51AC Matrix.....: SOLID
LCS Lot-Sample#: E1C120000-498
Prep Date.....: 03/12/01 Analysis Date..: 03/14/01
Prep Batch #...: 1071498 Analysis Time..: 13:41
Dilution Factor: 1 Instrument ID..: G03
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**91**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	101	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000057

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1C090309 Work Order #...: DXAPJ1AC Matrix.....: SOLID
LCS Lot-Sample#: E1C130000-350
Prep Date.....: 03/12/01 Analysis Date..: 03/12/01
Prep Batch #...: 1072350 Analysis Time..: 12:41
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**101**	**(60 - 150)**	**SW846 8260B**
Benzene	**86**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**103**	**(70 - 130)**	**SW846 8260B**
Toluene	**96**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**98**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(70 - 130)
1,2-Dichloroethane-d4	84	(60 - 140)
Toluene-d8	107	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E1C090309 **Work Order #...:** DXAXR1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1C130000-404
Prep Date.....: 03/12/01 **Analysis Date..:** 03/12/01
Prep Batch #...: 1072404 **Analysis Time..:** 11:48
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**106**	**(80 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	113	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1C090309 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1C100000-112 **Prep Batch #...:** 1069112					
Antimony	101	(75 - 115)	SW846 6010B	03/10-03/13/01	DW8JG1AU
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	98	(75 - 115)	SW846 6010B	03/10-03/13/01	DW8JG1AV
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	
Barium	104	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1AW
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	112	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1AX
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	106	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1A0
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	109	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1A1
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	
Copper	104	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1A2
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	
Lead	101	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1A3
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	105	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1A4
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	105	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1A5
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119	Instrument ID..: M01	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1C090309 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	93	(70 - 115)	SW846 6010B	03/10-03/13/01	DW8JG1A6
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119		Instrument ID..: M01
Silver	102	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1A7
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119		Instrument ID..: M01
Thallium	103	(75 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1A8
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119		Instrument ID..: M01
Vanadium	106	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1A9
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119		Instrument ID..: M01
Zinc	106	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1CA
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119		Instrument ID..: M01
Chromium	110	(85 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1CC
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119		Instrument ID..: M01
Aluminum	95	(80 - 120)	SW846 6010B	03/10-03/13/01	DW8JG1CE
		Dilution Factor: 1			
		Analysis Time..: 17:48	Analyst ID.....: 003119		Instrument ID..: M01

LCS Lot-Sample#: E1C100000-113 **Prep Batch #...:** 1069113

Mercury	100	(85 - 115)	SW846 7471A	03/13/01	DW8JM1AC
		Dilution Factor: 1			
		Analysis Time..: 15:10	Analyst ID.....: 021088		Instrument ID..: M04

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

000061

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1C090309	Work Order #...:	DW5RK1AE-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1C080299-018		DW5RK1AF-MSD		
Date Sampled...:	03/07/01 15:10	Date Received..:	03/08/01 17:20	MS Run #.....:	1072160
Prep Date.....:	03/12/01	Analysis Date..:	03/12/01		
Prep Batch #...:	1072350	Analysis Time..:	15:03		
Dilution Factor:	1	Analyst ID.....:	999998	Instrument ID..:	MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	46.8	ug/kg	94		SW846 8260B
	ND	50.0	51.2	ug/kg	102	9.0	SW846 8260B
Benzene	ND	50.0	43.9	ug/kg	88		SW846 8260B
	ND	50.0	48.1	ug/kg	96	9.0	SW846 8260B
Trichloroethene	ND	50.0	46.3	ug/kg	93		SW846 8260B
	ND	50.0	49.0	ug/kg	98	5.6	SW846 8260B
Toluene	ND	50.0	42.6	ug/kg	85		SW846 8260B
	ND	50.0	44.8	ug/kg	90	4.9	SW846 8260B
Chlorobenzene	ND	50.0	43.8	ug/kg	88		SW846 8260B
	ND	50.0	45.8	ug/kg	92	4.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(70 - 130)
	97	(70 - 130)
1,2-Dichloroethane-d4	95	(60 - 140)
	98	(60 - 140)
Toluene-d8	107	(70 - 130)
	106	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1C090309 **Matrix.....:** SOLID
Date Sampled...: 03/09/01 **Date Received..:** 03/09/01 11:05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT		UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1C090238-004 **Prep Batch #...:** 1069112										
Aluminum										
	5590	200	6040	NC	mg/kg			SW846 6010B	03/10-03/13/01	DW6501EN
	5590	200	5690	NC	mg/kg			SW846 6010B	03/10-03/13/01	DW6501EP
				Dilution Factor: 1						
				Analysis Time..: 19:50			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1072234						
Antimony										
	0.35	50.0	41.5		mg/kg	82		SW846 6010B	03/10-03/13/01	DW6501D9
	0.35	50.0	41.4		mg/kg	82	0.39	SW846 6010B	03/10-03/13/01	DW6501EA
				Dilution Factor: 1						
				Analysis Time..: 19:50			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1072234						
Arsenic										
	0.82	200	190		mg/kg	95		SW846 6010B	03/10-03/13/01	DW6501DT
	0.82	200	189		mg/kg	94	0.51	SW846 6010B	03/10-03/13/01	DW6501DU
				Dilution Factor: 1						
				Analysis Time..: 19:50			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1072234						
Barium										
	75.5	200	274		mg/kg	100		SW846 6010B	03/10-03/13/01	DW6501ER
	75.5	200	268		mg/kg	96	2.3	SW846 6010B	03/10-03/13/01	DW6501ET
				Dilution Factor: 1						
				Analysis Time..: 19:50			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1072234						
Beryllium										
	0.64	5.00	6.04		mg/kg	108		SW846 6010B	03/10-03/13/01	DW6501DV
	0.64	5.00	6.00		mg/kg	107	0.53	SW846 6010B	03/10-03/13/01	DW6501DW
				Dilution Factor: 1						
				Analysis Time..: 19:50			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1072234						
Cadmium										
	0.25	5.00	5.16		mg/kg	98		SW846 6010B	03/10-03/13/01	DW6501DX
	0.25	5.00	5.20		mg/kg	99	0.61	SW846 6010B	03/10-03/13/01	DW6501D0
				Dilution Factor: 1						
				Analysis Time..: 19:50			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1072234						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1C090309 Matrix.....: SOLID
Date Sampled...: 03/09/01 Date Received..: 03/09/01 11:05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	9.2	20.0	29.9	mg/kg	104		SW846 6010B	03/10-03/13/01	DW6501D1
	9.2	20.0	30.2	mg/kg	105	0.69	SW846 6010B	03/10-03/13/01	DW6501D2
				Dilution Factor: 1					
				Analysis Time..: 19:50	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1072234					
Cobalt									
	0.42	50.0	52.0	mg/kg	103		SW846 6010B	03/10-03/13/01	DW6501EV
	0.42	50.0	51.9	mg/kg	103	0.17	SW846 6010B	03/10-03/13/01	DW6501EW
				Dilution Factor: 1					
				Analysis Time..: 19:50	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1072234					
Copper									
	166	25.0	196	mg/kg	119		SW846 6010B	03/10-03/13/01	DW6501D3
	166	25.0	183 N	mg/kg	70	6.5	SW846 6010B	03/10-03/13/01	DW6501D4
				Dilution Factor: 1					
				Analysis Time..: 19:50	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1072234					
Lead									
	9.3	50.0	56.4	mg/kg	94		SW846 6010B	03/10-03/13/01	DW6501D7
	9.3	50.0	56.5	mg/kg	94	0.02	SW846 6010B	03/10-03/13/01	DW6501D8
				Dilution Factor: 1					
				Analysis Time..: 19:50	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1072234					
Molybdenum									
	1.9	100	102	mg/kg	100		SW846 6010B	03/10-03/13/01	DW6501E0
	1.9	100	101	mg/kg	100	0.15	SW846 6010B	03/10-03/13/01	DW6501E1
				Dilution Factor: 1					
				Analysis Time..: 19:50	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1072234					
Nickel									
	2.6	50.0	52.4	mg/kg	100		SW846 6010B	03/10-03/13/01	DW6501D5
	2.6	50.0	52.5	mg/kg	100	0.04	SW846 6010B	03/10-03/13/01	DW6501D6
				Dilution Factor: 1					
				Analysis Time..: 19:50	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1072234					
Selenium									
	1.2	200	182	mg/kg	90		SW846 6010B	03/10-03/13/01	DW6501EC
	1.2	200	182	mg/kg	90	0.18	SW846 6010B	03/10-03/13/01	DW6501ED
				Dilution Factor: 1					
				Analysis Time..: 19:50	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1072234					

BOE-C6-0006649

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1C090309 **Matrix.....:** SOLID
Date Sampled...: 03/09/01 **Date Received..:** 03/09/01 11:05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver									
	1.4	5.00	6.09	mg/kg	94		SW846 6010B	03/10-03/13/01	DW6501DQ
	1.4	5.00	6.00	mg/kg	92	1.4	SW846 6010B	03/10-03/13/01	DW6501DR
			Dilution Factor: 1						
			Analysis Time..: 19:50		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1072234						
Thallium									
	ND	200	197	mg/kg	98		SW846 6010B	03/10-03/13/01	DW6501EE
	ND	200	196	mg/kg	98	0.64	SW846 6010B	03/10-03/13/01	DW6501EF
			Dilution Factor: 1						
			Analysis Time..: 19:50		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1072234						
Vanadium									
	5.6	50.0	56.0	mg/kg	101		SW846 6010B	03/10-03/13/01	DW6501EK
	5.6	50.0	55.5	mg/kg	100	0.88	SW846 6010B	03/10-03/13/01	DW6501EL
			Dilution Factor: 1						
			Analysis Time..: 19:50		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1072234						
Zinc									
	156	50.0	202	mg/kg	92		SW846 6010B	03/10-03/13/01	DW6501EG
	156	50.0	195 N	mg/kg	76	3.9	SW846 6010B	03/10-03/13/01	DW6501EH
			Dilution Factor: 1						
			Analysis Time..: 19:50		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1072234						

MS Lot-Sample #: E1C090238-004 **Prep Batch #...:** 1069113

Mercury									
	1.4	0.167	0.490 NC	mg/kg			SW846 7471A	03/13/01	DW6501C4
	1.4	0.167	0.430 NC	mg/kg			SW846 7471A	03/13/01	DW6501C5
			Dilution Factor: 1						
			Analysis Time..: 15:33		Instrument ID..: M04			Analyst ID.....: 021088	
			MS Run #.....: 1069016						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E1C090309	Work Order #...:	DW7TV1A2-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1C090309-001		DW7TV1A3-MSD		
Date Sampled...:	03/09/01 10:00	Date Received..:	03/09/01 15:35	MS Run #.....:	1072196
Prep Date.....:	03/12/01	Analysis Date..:	03/12/01		
Prep Batch #...:	1072404	Analysis Time..:	16:13		
Dilution Factor:	1	Analyst ID.....:	001464	Instrument ID..:	G16

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**4.95**	**mg/kg**	**99**		**SW846 8015B**
	ND	**5.00**	**4.96**	**mg/kg**	**99**	**0.23**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	110	(60 - 130)
	111	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...:	E1C090309	Work Order #...:	DW7181A2-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1C090323-043		DW7181A3-MSD		
Date Sampled...:	03/09/01 14:30	Date Received..:	03/09/01 16:45	MS Run #.....:	1071274
Prep Date.....:	03/12/01	Analysis Date..:	03/14/01		
Prep Batch #...:	1071498	Analysis Time..:	19:32		
Dilution Factor:	1	Analyst ID.....:	356074	Instrument ID..:	G03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)	**ND**	**250**	**176**	**mg/kg**	**70**		**SW846 8015B**
	ND	**250**	**218**	**mg/kg**	**87**	**21**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	76	(60 - 130)
	95	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000067

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1C090309	Work Order #...:	DW5RK1AE-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1C080299-018		DW5RK1AF-MSD		
Date Sampled...:	03/07/01 15:10	Date Received..:	03/08/01 17:20	MS Run #.....:	1072160
Prep Date.....:	03/12/01	Analysis Date..:	03/12/01		
Prep Batch #...:	1072350	Analysis Time..:	15:03		
Dilution Factor:	1	Analyst ID.....:	999998	Instrument ID..:	MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**94**	**(60 - 150)**			**SW846 8260B**
	102	**(60 - 150)**	**9.0**	**(0-30)**	**SW846 8260B**
Benzene	**88**	**(70 - 140)**			**SW846 8260B**
	96	**(70 - 140)**	**9.0**	**(0-30)**	**SW846 8260B**
Trichloroethene	**93**	**(70 - 130)**			**SW846 8260B**
	98	**(70 - 130)**	**5.6**	**(0-30)**	**SW846 8260B**
Toluene	**85**	**(70 - 130)**			**SW846 8260B**
	90	**(70 - 130)**	**4.9**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**88**	**(70 - 130)**			**SW846 8260B**
	92	**(70 - 130)**	**4.3**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(70 - 130)
	97	(70 - 130)
1,2-Dichloroethane-d4	95	(60 - 140)
	98	(60 - 140)
Toluene-d8	107	(70 - 130)
	106	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1C090309 **Matrix.....:** SOLID
Date Sampled...: 03/09/01 **Date Received..:** 03/09/01 11:05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1C090238-004 **Prep Batch #...:** 1069112							
Aluminum	NC	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501EN
	NC	(80 - 120)		(0-25)	SW846 6010B	03/10-03/13/01	DW6501EP
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Antimony	82	(75 - 115)			SW846 6010B	03/10-03/13/01	DW6501D9
	82	(75 - 115)	0.39	(0-25)	SW846 6010B	03/10-03/13/01	DW6501EA
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Arsenic	95	(75 - 115)			SW846 6010B	03/10-03/13/01	DW6501DT
	94	(75 - 115)	0.51	(0-25)	SW846 6010B	03/10-03/13/01	DW6501DU
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Barium	100	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501ER
	96	(80 - 120)	2.3	(0-25)	SW846 6010B	03/10-03/13/01	DW6501ET
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Beryllium	108	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501DV
	107	(80 - 120)	0.53	(0-25)	SW846 6010B	03/10-03/13/01	DW6501DW
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Cadmium	98	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501DX
	99	(80 - 120)	0.61	(0-25)	SW846 6010B	03/10-03/13/01	DW6501D0
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Chromium	104	(85 - 120)			SW846 6010B	03/10-03/13/01	DW6501D1
	105	(85 - 120)	0.69	(0-25)	SW846 6010B	03/10-03/13/01	DW6501D2
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1C090309 **Matrix.....:** SOLID
Date Sampled...: 03/09/01 **Date Received..:** 03/09/01 11:05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	103	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501EV
	103	(80 - 120)	0.17	(0-25)	SW846 6010B	03/10-03/13/01	DW6501EW
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Copper	119	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501D3
	70 N	(80 - 120)	6.5	(0-25)	SW846 6010B	03/10-03/13/01	DW6501D4
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Lead	94	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501D7
	94	(80 - 120)	0.02	(0-25)	SW846 6010B	03/10-03/13/01	DW6501D8
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Molybdenum	100	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501E0
	100	(80 - 120)	0.15	(0-25)	SW846 6010B	03/10-03/13/01	DW6501E1
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Nickel	100	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501D5
	100	(80 - 120)	0.04	(0-25)	SW846 6010B	03/10-03/13/01	DW6501D6
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Selenium	90	(70 - 115)			SW846 6010B	03/10-03/13/01	DW6501EC
	90	(70 - 115)	0.18	(0-25)	SW846 6010B	03/10-03/13/01	DW6501ED
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Silver	94	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501DQ
	92	(80 - 120)	1.4	(0-25)	SW846 6010B	03/10-03/13/01	DW6501DR
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					
Thallium	98	(75 - 120)			SW846 6010B	03/10-03/13/01	DW6501EE
	98	(75 - 120)	0.64	(0-25)	SW846 6010B	03/10-03/13/01	DW6501EF
		Dilution Factor: 1					
		Analysis Time..: 19:50			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1072234					

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BOE-C6-0006655

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1C090309 Matrix.....: SOLID
Date Sampled...: 03/09/01 Date Received..: 03/09/01 11:05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	101	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501EK
	100	(80 - 120)	0.88	(0-25)	SW846 6010B	03/10-03/13/01	DW6501EL

Dilution Factor: 1
Analysis Time..: 19:50 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1072234

Zinc	92	(80 - 120)			SW846 6010B	03/10-03/13/01	DW6501EG
	76 N	(80 - 120)	3.9	(0-25)	SW846 6010B	03/10-03/13/01	DW6501EH

Dilution Factor: 1
Analysis Time..: 19:50 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1072234

MS Lot-Sample #: E1C090238-004 Prep Batch #...: 1069113

Mercury	NC	(80 - 120)			SW846 7471A	03/13/01	DW6501C4
	NC	(80 - 120)		(0-20)	SW846 7471A	03/13/01	DW6501C5

Dilution Factor: 1
Analysis Time..: 15:33 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 1069016

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

000071

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E1C090309	Work Order #...:	DW7TV1A2-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1C090309-001		DW7TV1A3-MSD		
Date Sampled...:	03/09/01 10:00	Date Received..:	03/09/01 15:35	MS Run #.....:	1072196
Prep Date.....:	03/12/01	Analysis Date..:	03/12/01		
Prep Batch #...:	1072404	Analysis Time..:	16:13		
Dilution Factor:	1	Analyst ID.....:	001464	Instrument ID..:	G16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**99**	**(80 - 140)**			**SW846 8015B**
	99	**(80 - 140)**	**0.23**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	110	(60 - 130)
	111	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000072

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	E1C090309	**Work Order #...:**	DW7181A2-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1C090323-043		DW7181A3-MSD		
Date Sampled...:	03/09/01 14:30	**Date Received..:**	03/09/01 16:45	**MS Run #.....:**	1071274
Prep Date.....:	03/12/01	**Analysis Date..:**	03/14/01		
Prep Batch #...:	1071498	**Analysis Time..:**	19:32		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**70**	**(60 - 130)**			**SW846 8015B**
	87	**(60 - 130)**	**21**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	76	(60 - 130)
	95	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Subcontracted Analysis

000074

BOE-C6-0006659

Del Mar Analytical

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

LABORATORY REPORT

Prepared For: STL Los Angeles
1721 S. Grand AVenue
Santa Ana, CA 92705

Attention: Diane Suzuki
Project: E1C090309

Sampled: 03/09/01
Received: 03/12/01
Reported: 03/14/01

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Del Mar Analytical, Colton
Clifton J. Kiser
Project Manager

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STL Los Angeles
1721 S. Grand AVenue
Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: E1C090309

Report Number: CKC0083

Sampled:03/09/01
Received:03/12/01

POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: CKC0083-01 (SOURCE-J-1-030901 - Soil)								
Acenaphthene	EPA 8310	C1C1306	1000	ND	20	3/13/01	3/13/01	
Acenaphthylene	EPA 8310	C1C1306	1000	ND	20	3/13/01	3/13/01	
Anthracene	EPA 8310	C1C1306	40	ND	20	3/13/01	3/13/01	
Benzo(a)anthracene	EPA 8310	C1C1306	40	ND	20	3/13/01	3/13/01	
Benzo(a)pyrene	EPA 8310	C1C1306	40	ND	20	3/13/01	3/13/01	
Benzo(b)fluoranthene	EPA 8310	C1C1306	100	ND	20	3/13/01	3/13/01	
Benzo(g,h,i)perylene	EPA 8310	C1C1306	100	ND	20	3/13/01	3/13/01	
Benzo(k)fluoranthene	EPA 8310	C1C1306	40	ND	20	3/13/01	3/13/01	
Chrysene	EPA 8310	C1C1306	100	ND	20	3/13/01	3/13/01	
Dibenzo(a,h)anthracene	EPA 8310	C1C1306	100	ND	20	3/13/01	3/13/01	
Fluoranthene	EPA 8310	C1C1306	100	ND	20	3/13/01	3/13/01	
Fluorene	EPA 8310	C1C1306	100	ND	20	3/13/01	3/13/01	
Indeno(1,2,3-cd)pyrene	EPA 8310	C1C1306	100	ND	20	3/13/01	3/13/01	
Naphthalene	EPA 8310	C1C1306	400	ND	20	3/13/01	3/13/01	
Phenanthrene	EPA 8310	C1C1306	100	ND	20	3/13/01	3/13/01	
Pyrene	EPA 8310	C1C1306	100	ND	20	3/13/01	3/13/01	
Surrogate: 2-Methylanthracene (35-115%)				*76.1 %*				
Sample ID: CKC0083-02 (SOURCE-J-2-030901 - Soil)								
Acenaphthene	EPA 8310	C1C1306	500	ND	10	3/13/01	3/13/01	
Acenaphthylene	EPA 8310	C1C1306	500	ND	10	3/13/01	3/13/01	
Anthracene	EPA 8310	C1C1306	20	ND	10	3/13/01	3/13/01	
Benzo(a)anthracene	EPA 8310	C1C1306	20	ND	10	3/13/01	3/13/01	
Benzo(a)pyrene	EPA 8310	C1C1306	20	ND	10	3/13/01	3/13/01	
Benzo(b)fluoranthene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Benzo(g,h,i)perylene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Benzo(k)fluoranthene	EPA 8310	C1C1306	20	ND	10	3/13/01	3/13/01	
Chrysene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Dibenzo(a,h)anthracene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Fluoranthene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Fluorene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Indeno(1,2,3-cd)pyrene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Naphthalene	EPA 8310	C1C1306	200	ND	10	3/13/01	3/13/01	
Phenanthrene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Pyrene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Surrogate: 2-Methylanthracene (35-115%)				*77.0 %*				

Del Mar Analytical, Colton
Clifton J. Kiser
Project Manager

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STL Los Angeles
1721 S. Grand AVenue
Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: E1C090309

Report Number: CKC0083

Sampled:03/09/01
Received:03/12/01

POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: CKC0083-03 (SOURCE-J-3-030901 - Soil)								
Acenaphthene	EPA 8310	C1C1306	500	ND	10	3/13/01	3/13/01	
Acenaphthylene	EPA 8310	C1C1306	500	ND	10	3/13/01	3/13/01	
Anthracene	EPA 8310	C1C1306	20	ND	10	3/13/01	3/13/01	
Benzo(a)anthracene	EPA 8310	C1C1306	20	ND	10	3/13/01	3/13/01	
Benzo(a)pyrene	EPA 8310	C1C1306	20	ND	10	3/13/01	3/13/01	
Benzo(b)fluoranthene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Benzo(g,h,i)perylene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Benzo(k)fluoranthene	EPA 8310	C1C1306	20	ND	10	3/13/01	3/13/01	
Chrysene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Dibenzo(a,h)anthracene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Fluoranthene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Fluorene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Indeno(1,2,3-cd)pyrene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Naphthalene	EPA 8310	C1C1306	200	ND	10	3/13/01	3/13/01	
Phenanthrene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Pyrene	EPA 8310	C1C1306	50	ND	10	3/13/01	3/13/01	
Surrogate: 2-Methylanthracene (35-115%)				*99.4 %*				
Sample ID: CKC0083-04 (SOURCE-I-1-030901 - Soil)								
Acenaphthene	EPA 8310	C1C1306	5000	ND	100	3/13/01	3/13/01	
Acenaphthylene	EPA 8310	C1C1306	5000	ND	100	3/13/01	3/13/01	
Anthracene	EPA 8310	C1C1306	200	ND	100	3/13/01	3/13/01	
Benzo(a)anthracene	EPA 8310	C1C1306	200	**350**	100	3/13/01	3/13/01	
Benzo(a)pyrene	EPA 8310	C1C1306	200	**320**	100	3/13/01	3/13/01	
Benzo(b)fluoranthene	EPA 8310	C1C1306	500	ND	100	3/13/01	3/13/01	
Benzo(g,h,i)perylene	EPA 8310	C1C1306	500	ND	100	3/13/01	3/13/01	
Benzo(k)fluoranthene	EPA 8310	C1C1306	200	ND	100	3/13/01	3/13/01	
Chrysene	EPA 8310	C1C1306	500	ND	100	3/13/01	3/13/01	
Dibenzo(a,h)anthracene	EPA 8310	C1C1306	500	ND	100	3/13/01	3/13/01	
Fluoranthene	EPA 8310	C1C1306	500	**1100**	100	3/13/01	3/13/01	
Fluorene	EPA 8310	C1C1306	500	ND	100	3/13/01	3/13/01	
Indeno(1,2,3-cd)pyrene	EPA 8310	C1C1306	500	ND	100	3/13/01	3/13/01	
Naphthalene	EPA 8310	C1C1306	2000	ND	100	3/13/01	3/13/01	
Phenanthrene	EPA 8310	C1C1306	500	ND	100	3/13/01	3/13/01	
Pyrene	EPA 8310	C1C1306	500	**520**	100	3/13/01	3/13/01	
Surrogate: 2-Methylanthracene (35-115%)				*815 %*				*ZZZZ4*

Del Mar Analytical, Colton
Clifton J. Kiser
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

STL Los Angeles
1721 S. Grand AVenue
Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: E1C090309

Report Number: CKC0083

Sampled:03/09/01
Received:03/12/01

POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: CKC0083-05 (SOURCE-I-2-030901 - Soil)								
Acenaphthene	EPA 8310	C1C1306	50	ND	1	3/13/01	3/13/01	
Acenaphthylene	EPA 8310	C1C1306	50	ND	1	3/13/01	3/13/01	
Anthracene	EPA 8310	C1C1306	2.0	ND	1	3/13/01	3/13/01	
Benzo(a)anthracene	EPA 8310	C1C1306	2.0	ND	1	3/13/01	3/13/01	
Benzo(a)pyrene	EPA 8310	C1C1306	2.0	ND	1	3/13/01	3/13/01	
Benzo(b)fluoranthene	EPA 8310	C1C1306	5.0	ND	1	3/13/01	3/13/01	
Benzo(g,h,i)perylene	EPA 8310	C1C1306	5.0	ND	1	3/13/01	3/13/01	
Benzo(k)fluoranthene	EPA 8310	C1C1306	2.0	ND	1	3/13/01	3/13/01	
Chrysene	EPA 8310	C1C1306	5.0	ND	1	3/13/01	3/13/01	
Dibenzo(a,h)anthracene	EPA 8310	C1C1306	5.0	ND	1	3/13/01	3/13/01	
Fluoranthene	EPA 8310	C1C1306	5.0	ND	1	3/13/01	3/13/01	
Fluorene	EPA 8310	C1C1306	5.0	ND	1	3/13/01	3/13/01	
Indeno(1,2,3-cd)pyrene	EPA 8310	C1C1306	5.0	ND	1	3/13/01	3/13/01	
Naphthalene	EPA 8310	C1C1306	20	ND	1	3/13/01	3/13/01	
Phenanthrene	EPA 8310	C1C1306	5.0	ND	1	3/13/01	3/13/01	
Pyrene	EPA 8310	C1C1306	5.0	ND	1	3/13/01	3/13/01	
Surrogate: 2-Methylanthracene (35-115%)				*87.6 %*				

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Clifton J. Kiser
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

STL Los Angeles
1721 S. Grand AVenue
Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: E1C090309

Report Number: CKC0083

Sampled:03/09/01
Received:03/12/01

METHOD BLANK/QC DATA

POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C1C1306 Extracted: 03/13/01										
Blank Analyzed: 03/13/01 (C1C1306-BLK1)										
Acenaphthene	ND	50	ug/kg							
Acenaphthylene	ND	50	ug/kg							
Anthracene	ND	2.0	ug/kg							
Benzo(a)anthracene	ND	2.0	ug/kg							
Benzo(a)pyrene	ND	2.0	ug/kg							
Benzo(b)fluoranthene	ND	5.0	ug/kg							
Benzo(g,h,i)perylene	ND	5.0	ug/kg							
Benzo(k)fluoranthene	ND	2.0	ug/kg							
Chrysene	ND	5.0	ug/kg							
Dibenzo(a,h)anthracene	ND	5.0	ug/kg							
Fluoranthene	ND	5.0	ug/kg							
Fluorene	ND	5.0	ug/kg							
Indeno(1,2,3-cd)pyrene	ND	5.0	ug/kg							
Naphthalene	ND	20	ug/kg							
Phenanthrene	ND	5.0	ug/kg							
Pyrene	ND	5.0	ug/kg							
Surrogate: 2-Methylanthracene	*7.04*		*ug/kg*	*8.00*		*88.0*	*35-115*			
LCS Analyzed: 03/13/01 (C1C1306-BS1)										
Acenaphthene	71.5	50	ug/kg	80.0		89.4	45-115			
Acenaphthylene	149	50	ug/kg	160		93.1	50-115			
Anthracene	7.25	2.0	ug/kg	8.00		90.6	55-115			
Benzo(a)anthracene	8.07	2.0	ug/kg	8.00		101	65-115			
Benzo(a)pyrene	7.33	2.0	ug/kg	8.00		91.6	55-115			
Benzo(b)fluoranthene	15.0	5.0	ug/kg	16.0		93.8	65-115			
Benzo(g,h,i)perylene	15.5	5.0	ug/kg	16.0		96.9	60-115			
Benzo(k)fluoranthene	7.23	2.0	ug/kg	8.00		90.4	65-115			
Chrysene	7.26	5.0	ug/kg	8.00		90.8	65-115			
Dibenzo(a,h)anthracene	14.1	5.0	ug/kg	16.0		88.1	60-115			
Fluoranthene	15.2	5.0	ug/kg	16.0		95.0	65-115			
Fluorene	14.9	5.0	ug/kg	16.0		93.1	55-115			
Indeno(1,2,3-cd)pyrene	7.23	5.0	ug/kg	8.00		90.4	55-115			
Naphthalene	66.9	20	ug/kg	80.0		83.6	45-115			
Phenanthrene	7.19	5.0	ug/kg	8.00		89.9	55-120			
Pyrene	7.44	5.0	ug/kg	8.00		93.0	55-115			

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Clifton J. Kiser
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STL Los Angeles
1721 S. Grand AVenue
Santa Ana, CA 92705
Attention: Diane Suzuki

Client Project ID: E1C090309

Report Number: CKC0083

Sampled:03/09/01
Received:03/12/01

METHOD BLANK/QC DATA

POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C1C1306 Extracted: 03/13/01										
LCS Analyzed: 03/13/01 (C1C1306-BS1)										
Surrogate: 2-Methylanthracene	*7.27*		*ug/kg*	*8.00*		*90.9*	*35-115*			
Matrix Spike Analyzed: 03/13/01 (C1C1306-MS1)					**Source: CKC0076-03**					
Acenaphthene	67.5	50	ug/kg	80.0	ND	84.4	40-115			
Acenaphthylene	139	50	ug/kg	160	ND	86.9	35-130			
Anthracene	6.53	2.0	ug/kg	8.00	ND	79.3	40-115			
Benzo(a)anthracene	6.01	2.0	ug/kg	8.00	ND	75.1	45-130			
Benzo(a)pyrene	5.22	2.0	ug/kg	8.00	ND	65.2	50-115			
Benzo(b)fluoranthene	8.58	5.0	ug/kg	16.0	ND	53.6	40-130			
Benzo(g,h,i)perylene	5.32	5.0	ug/kg	16.0	ND	33.3	45-115			*MX*
Benzo(k)fluoranthene	3.49	2.0	ug/kg	8.00	ND	43.6	40-125			
Chrysene	5.74	5.0	ug/kg	8.00	ND	71.7	45-125			
Dibenzo(a,h)anthracene	ND	5.0	ug/kg	16.0	ND	8.12	25-130			*MX*
Fluoranthene	19.7	5.0	ug/kg	16.0	ND	121	50-135			
Fluorene	13.9	5.0	ug/kg	16.0	ND	81.2	35-120			
Indeno(1,2,3-cd)pyrene	ND	5.0	ug/kg	8.00	ND	37.0	40-120			*MX*
Naphthalene	72.8	20	ug/kg	80.0	ND	84.5	30-115			
Phenanthrene	12.9	5.0	ug/kg	8.00	ND	161	30-160			*MX*
Pyrene	13.6	5.0	ug/kg	8.00	ND	170	20-165			*MX*
Surrogate: 2-Methylanthracene	*5.34*		*ug/kg*	*8.00*		*66.8*	*35-115*			
Matrix Spike Dup Analyzed: 03/13/01 (C1C1306-MSD1)					**Source: CKC0076-03**					
Acenaphthene	68.6	50	ug/kg	80.0	ND	85.7	40-115	1.62	25	
Acenaphthylene	141	50	ug/kg	160	ND	88.1	35-130	1.43	25	
Anthracene	5.66	2.0	ug/kg	8.00	ND	68.4	40-115	14.3	25	
Benzo(a)anthracene	2.69	2.0	ug/kg	8.00	ND	33.6	45-130	76.3	20	*MX*
Benzo(a)pyrene	ND	2.0	ug/kg	8.00	ND	11.4	50-115	141	20	*MX*
Benzo(b)fluoranthene	ND	5.0	ug/kg	16.0	ND	19.2	40-130	94.6	25	*MX*
Benzo(g,h,i)perylene	ND	5.0	ug/kg	16.0	ND	3.82	45-115	159	20	*MX*
Benzo(k)fluoranthene	ND	2.0	ug/kg	8.00	ND	15.0	40-125	97.7	25	*MX*
Chrysene	ND	5.0	ug/kg	8.00	ND	31.4	45-125	78.3	30	*MX*
Dibenzo(a,h)anthracene	ND	5.0	ug/kg	16.0	ND	2.54	25-130	105	30	*MX*
Fluoranthene	12.1	5.0	ug/kg	16.0	ND	73.5	50-135	47.8	25	*MX*
Fluorene	14.2	5.0	ug/kg	16.0	ND	83.1	35-120	2.14	20	
Indeno(1,2,3-cd)pyrene	ND	5.0	ug/kg	8.00	ND	3.62	40-120	164	20	*MX*

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Clifton J. Kiser
Project Manager

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STL Los Angeles 1721 S. Grand AVenue Santa Ana, CA 92705 Attention: Diane Suzuki	Client Project ID: E1C090309 Report Number: CKC0083	Sampled:03/09/01 Received:03/12/01

METHOD BLANK/QC DATA

POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C1C1306 Extracted: 03/13/01										
Matrix Spike Dup Analyzed: 03/13/01 (C1C1306-MSD1)					**Source: CKC0076-03**					
Naphthalene	71.9	20	ug/kg	80.0	ND	83.4	30-115	1.24	25	
Phenanthrene	8.44	5.0	ug/kg	8.00	ND	105	30-160	41.8	30	*MX*
Pyrene	6.46	5.0	ug/kg	8.00	ND	80.8	20-165	71.2	20	*MX*
Surrogate: 2-Methylanthracene	*4.82*		*ug/kg*	*8.00*		*60.3*	*35-115*			

Del Mar Analytical, Colton
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Project Manager

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STL Los Angeles 1721 S. Grand AVenue Santa Ana, CA 92705 Attention: Diane Suzuki	Client Project ID: E1C090309 Report Number: CKC0083	Sampled:03/09/01 Received:03/12/01

DATA QUALIFIERS AND DEFINITIONS

MX	The MS and/or MSD were outside of the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
ZZZZ4	The sample required a dilution due to high analyte concentration. Because of this dilution, the surrogate spike concentration was reduced to a level where the recovery calculation does not provide useful information.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR	Not reported.
RPD	Relative Percent Difference

Del Mar Analytical, Colton
Clifton J. Kiser
Project Manager

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SEVERN TRENT LABORATORIES

No. 201382

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Kennedy Jenks	PROJECT NAME/NUMBER: EICO 90309
SEND REPORT TO: STL Los Angeles	BILLING INFORMATION
ADDRESS: Diane Suzuki	BILL TO: STL LOS ANGELES
1721 S. Grand Ave	ADDRESS:
Santa Ana CA 92705	
PHONE: (714) 258-8610	PHONE:
FAX: (714) 258-0921	FAX: PO NO.:

LAB JOB NO.

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST: 8310 PAH's	REMARKS/PRECAUTIONS
	SOURCE-H-1-030901 J 3/12/01	3/9/01	1000	Soil	GW	—	1	X	
	SOURCE-H-2-030901 J 3-12-01	3/9/01	1010	Soil	↓	↓	1	X	
	SOURCE-H-3-030901 J 3-12-01	3/9/01	1015	Soil	↓	↓	1	X	
	SOURCE-I-1-030901	↓	1115	↓	↓	↓	1	X	
	SOURCE-I-2-030901	↓	1120	↓	↓	↓	1	X	

SAMPLER: SPLIT SAMPLE/C SHIPMENT METHOD: AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☒ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Nicolo Villalobos	3/12/01	SIGNATURE: [signature]	3/12/01	SIGNATURE: [signature]	3/12/01
PRINTED NAME/COMPANY: STL LA	TIME 11:50	PRINTED NAME/COMPANY: L. Delacy	TIME 12:10	PRINTED NAME/COMPANY: Kevin Panck	TIME 1:45 p
1. RECEIVED BY:	**DATE**	**2. RECEIVED BY:**	**DATE**	**3. RECEIVED BY:**	**DATE**
SIGNATURE: [signature]	3/12/01	SIGNATURE: [signature]	3/12/01	SIGNATURE: [signature]	3/12/01
PRINTED NAME/COMPANY: L. Delacy	TIME 11:50	PRINTED NAME/COMPANY: Kevin Panck	TIME 12:20	PRINTED NAME/COMPANY: Martha Barlow	TIME 1:45 p

HOSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES
1721 South Grand Avenue
Santa Ana, CA 92705
Phone: (714) 258 8610 / Fax: (714) 258 0921

STL Los Angeles

BOE-C6-0006668

83

Extended Raw Data

Level III

Project # EIC 090309

Analysis: 8260B

000084

8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 3/6/01

INSTRUMENT ID: MSG

SAMPLES: EIC 090309

STL Los Angeles

GC/MS VOA Run Log

ch ID: _____

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☑ 5030B ☐ 5035

st ID: MSG | EM Set: 1518 | Tune File: BFB | Seq File: 0306AG

Date: 3-6-01

it . Cal ID: 8260 BGS

nj. ime	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
:42	GFB	GT1651	50ng BFB	—	—	1ul	—	113	✓			1403-2
:58	↓	GS 2743	5ppb 8260B STD	1	S	5g	1	11	N	Bad Purge		1431-2; 28-1; 33-2
:32		44	5	2	↓	↓	↓	156	N			↓
:06		45	20	3				171	✓			18-2
:40		46	50	4				159	✓			↓
3:14		47	100	5				183	✓			↓
3:48		48	400	6				194	N			↓
4:56		G11335	MB	7				167	—			Rinse Naphth 3.25
5:43		GS 2749	5ppb 8260B STD	8				167	✓			1431-2; 28-1; 33-2
6:17		50	400ppb	9				186	✓			↓ ↓ 18-2

GFB 3/7/01

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2001 11:32
End Cal Date : 06-MAR-2001 16:17
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2008\D\chem\mg.i\0306AG.B\8260BGS.M
Cal Date : 07-Mar-2001 16:55 beckmang
Curve Type : Average

Calibration File Names:
Level 1: \\SANP2008\D\chem\mg.i\0306AG.B\GS2749.D
Level 2: \\SANP2008\D\chem\mg.i\0306AG.B\GS2745.D
Level 3: \\SANP2008\D\chem\mg.i\0306AG.B\GS2746.D
Level 4: \\SANP2008\D\chem\mg.i\0306AG.B\GS2747.D
Level 5: \\SANP2008\D\chem\mg.i\0306AG.B\GS2750.D

Compound	5.000 Level 1	20.000 Level 2	50.000 Level 3	100.000 Level 4	400.000 Level 5	___ RRF	% RSD	
1 Dichlorodifluoromethane	0.56646	0.60764	0.65602	0.53324	0.51551	0.57577	9.894	
2 Vinyl chloride (*)	0.15944	0.20809	0.23426	0.18474	0.16917	0.19114	15.858	
3 Chloromethane (**)	0.08325	0.16782	0.18780	0.15397	0.12573	0.14371	28.283	<-
4 Bromomethane	0.15597	0.13669	0.17705	0.10309	0.09557	0.13367	25.848	
5 Chloroethane	0.10508	0.12890	0.14880	0.10001	0.06142	0.10884	30.264	<-
6 Trichlorofluoromethane	0.95637	0.94238	1.02155	0.80683	0.21327	0.78808	41.960	<-
7 Acrolein	0.00932	0.01230	0.01513	0.01335	0.01144	0.01231	17.597	
8 1,1-Dichloroethene(*)	0.21535	0.28292	0.30347	0.24763	0.22551	0.25498	14.708	
9 1,1,2-Trichlorotrifluoroethan	0.43922	0.51046	0.54153	0.43931	0.40217	0.46654	12.306	
10 Acetone	0.06230	0.05850	0.06317	0.04986	0.04085	0.05494	17.240	
11 Iodomethane	0.18588	0.50535	0.65207	0.54125	0.48655	0.47422	36.583	<-
12 Carbon disulfide	0.59266	0.65454	0.71491	0.56957	0.53213	0.61276	11.811	
13 Methylene chloride	0.23040	0.28269	0.30800	0.25532	0.24747	0.26478	11.579	
14 t-Butanol	0.05163	0.04846	0.05520	0.04825	0.03803	0.04831	13.261	
15 trans-1,2-Dichloroethene	0.25660	0.32687	0.35021	0.29047	0.27571	0.29997	12.701	
16 Acrylonitrile	0.03801	0.04495	0.04639	0.04153	0.03536	0.04125	11.198	
17 Methyl-tert-butyl ether[MTBE]	0.86050	0.95322	0.99971	0.84795	0.73216	0.87871	11.792	
18 1,1-Dichloroethane (**)	0.55776	0.62993	0.67428	0.54762	0.53048	0.58802	10.433	
19 Vinyl acetate	0.75046	0.78691	0.80502	0.67405	0.61320	0.72593	11.101	
20 Isopropyl ether	0.87872	0.91333	0.96553	0.80374	0.74226	0.86072	10.287	
21 2,2-Dichloropropane	0.77284	0.85154	0.82641	0.74109	0.61771	0.76192	12.019	
22 Tert-butyl ethyl ether	1.09419	1.25558	1.21752	1.08861	0.94819	1.12082	10.841	
23 cis-1,2-Dichloroethene	0.27756	0.36536	0.37139	0.33837	0.29100	0.32874	12.992	
24 2-Butanone	0.11111	0.11081	0.10050	0.09826	0.07314	0.09876	15.665	
25 Bromochloromethane	0.16526	0.23538	0.25640	0.21457	0.20144	0.21461	16.120	
26 Chloroform (*)	0.79558	0.88685	0.96610	0.78871	0.73016	0.83348	11.151	

GTB 3/7/01
PM 3/8/01

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2001 11:32
End Cal Date : 06-MAR-2001 16:17
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2008\D\chem\mg.i\0306AG.B\8260BGS.M
Cal Date : 07-Mar-2001 16:55 beckmang
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	50.000 Level 3	100.000 Level 4	400.000 Level 5	RRF	% RSD	
	27 Tetrahydrofuran	0.02477	0.07096	0.08326	0.07299	0.05793	0.06198	36.575	<-
M	28 1,2-Dichloroethene (total)	0.26708	0.34612	0.36080	0.31442	0.28336	0.31436	12.686	
	30 1,1,1-Trichloroethane	0.78860	0.92411	1.00717	0.81804	0.73150	0.85389	12.956	
	31 Carbon Tetrachloride	0.71089	0.87847	0.96071	0.77839	0.67228	0.80015	14.880	
	32 1,1-Dichloropropene	0.54408	0.62896	0.67209	0.54222	0.47021	0.57151	13.913	
	34 1,2-Dichloroethane-d4 2nd	0.04632	0.08597	0.10667	0.08747	0.07084	0.07946	28.279	
	35 Benzene	0.86591	0.89649	0.96507	0.78260	0.71599	0.84521	11.538	
	36 1,2-Dichloroethane	0.67825	0.67866	0.70710	0.57885	0.51696	0.63196	12.761	
	37 Tert-amyl methyl ether	1.08929	1.10379	1.16317	0.97308	0.87025	1.03992	11.272	
	39 Trichloroethene	0.44442	0.47619	0.51423	0.42033	0.39274	0.44958	10.551	
	40 1,2-Dichloropropane(*)	0.31273	0.35983	0.38749	0.31582	0.30017	0.33521	11.010	
	41 Dibromomethane	0.34275	0.36578	0.38877	0.31240	0.27298	0.33653	13.490	
	42 Bromodichloromethane	0.85559	0.89825	0.94948	0.78799	0.69781	0.83782	11.713	
	43 1-Bromo-2-chloroethane	0.58288	0.63751	0.65793	0.52866	0.48767	0.57893	12.379	
	44 2-Chloroethylvinyl ether	0.04242	0.06115	0.07144	0.06247	0.05736	0.05897	17.962	
	45 cis-1,3-Dichloropropene	0.57983	0.60678	0.65646	0.54715	0.51355	0.58075	9.453	
	46 4-Methyl-2-pentanone	0.30009	0.27852	0.29528	0.24520	0.19230	0.26228	17.020	
	48 Toluene (*)	1.35037	1.38771	1.53323	1.20622	1.19758	1.33502	10.445	
	49 trans-1,3-Dichloropropene	0.66319	0.71149	0.81479	0.65620	0.68770	0.70668	9.091	
	50 1,1,2-Trichloroethane	0.42597	0.46879	0.51702	0.42260	0.40232	0.44734	10.251	
	51 Tetrachloroethene	0.55625	0.59138	0.66136	0.51854	0.49760	0.56503	11.456	
	52 1,3-Dichloropropane	0.76419	0.79482	0.85688	0.67696	0.65520	0.74961	11.152	
	53 2-Hexanone	0.29930	0.26771	0.29915	0.24763	0.21006	0.26477	14.219	
	54 Dibromochloromethane	0.88208	0.94386	1.05133	0.84141	0.78744	0.90122	11.267	
	55 1,2-Dibromoethane	0.70479	0.72229	0.78873	0.64031	0.61548	0.69432	9.910	
	57 Chlorobenzene (**)	1.04883	1.08504	1.16298	0.95986	0.93424	1.03819	8.987	
	58 1,1,1,2-Tetrachloroethane	0.63424	0.71006	0.75160	0.61016	0.53830	0.64887	12.948	
	59 Ethylbenzene (*)	0.49301	0.53122	0.57486	0.45761	0.41853	0.49524	12.345	
	60 m,p-Xylenes	0.62639	0.65088	0.67817	0.54648	0.48887	0.59816	13.109	
	61 o-Xylene	0.57881	0.63351	0.69435	0.56051	0.50360	0.59416	12.240	
	62 Styrene	0.95239	1.02204	1.13355	0.90636	0.82688	0.96824	12.031	
M	63 Xylenes (total)	0.61053	0.64509	0.68357	0.55116	0.49378	0.59683	12.635	
	64 Bromoform (**)	0.67326	0.72543	0.82298	0.69479	0.59677	0.70265	11.722	

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2001 11:32
End Cal Date : 06-MAR-2001 16:17
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2008\D\chem\mg.i\0306AG.B\8260BGS.M
Cal Date : 07-Mar-2001 16:55 beckmang
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	50.000 Level 3	100.000 Level 4	400.000 Level 5	RRF	% RSD
65 Isopropylbenzene	2.01361	2.02791	2.26091	1.79729	1.60138	1.94022	12.915
66 4-Bromofluorobenzene-2nd	0.95503	0.97808	1.14885	0.91850	0.81343	0.96278	12.634
68 Bromobenzene	0.93734	0.98510	1.04713	0.88813	0.95930	0.96340	6.106
69 1,1,2,2-Tetrachloroethane(**)	1.17821	1.11762	1.19325	1.01478	1.01749	1.10427	7.724
70 1,2,3-Trichloropropane	0.36641	0.38925	0.41835	0.35723	0.33922	0.37409	8.183
71 n-Propylbenzene	3.49149	3.31964	3.43294	2.89904	2.86610	3.20184	9.312
72 2-Chlorotoluene	0.67014	0.74738	0.77698	0.64981	0.68225	0.70531	7.686
73 4-Chlorotoluene	0.67971	0.74876	0.77248	0.66742	0.67096	0.70786	6.934
74 1,3,5-Trimethylbenzene	2.67311	2.69409	2.87195	2.30452	2.20937	2.55061	11.017
75 tert-Butylbenzene	2.69960	2.72672	2.94819	2.40762	2.44256	2.64494	8.431
76 1,2,4-Trimethylbenzene	2.69672	2.73898	2.90047	2.38110	2.38030	2.61951	8.814
77 sec-Butylbenzene	3.48295	3.47807	3.72394	3.04512	3.11733	3.36948	8.382
78 1,3-Dichlorobenzene	1.48149	1.46574	1.58335	1.32878	1.39914	1.45170	6.561
80 1,4-Dichlorobenzene	1.77420	1.74506	1.81442	1.43745	1.40669	1.63556	12.029
81 p-Isopropyltoluene	2.96912	3.02560	3.17863	2.51249	2.32676	2.80252	12.982
82 1,2-Dichlorobenzene	1.55436	1.60994	1.72115	1.36060	1.41247	1.53170	9.574
83 n-Butylbenzene	2.78151	2.83129	2.95559	2.38245	2.43241	2.67665	9.505
84 1,2-Dibromo-3-chloropropane	0.36489	0.39111	0.45124	0.41201	0.44692	0.41324	8.897
85 1,2,4-Trichlorobenzene	1.31300	1.33182	1.43327	1.21356	1.31935	1.32220	5.898
86 Hexachlorobutadiene	1.10344	1.17670	1.20071	0.96778	0.87195	1.06412	13.214
87 Napthalene	2.55482	2.26563	2.29705	1.97756	1.90373	2.19976	11.960
88 1,2,3-Trichlorobenzene	1.33607	1.33710	1.37782	1.16405	1.19204	1.28142	7.520
$ 29 Dibromofluoromethane	0.61229	0.67873	0.84352	0.67783	0.47175	0.65682	20.428
$ 33 1,2-Dichloroethane-d4	0.56070	0.57358	0.64869	0.53306	0.40328	0.54386	16.455
$ 47 Toluene-d8	1.11915	1.18795	1.43939	1.09659	0.79007	1.12663	20.617
$ 67 4-Bromofluorobenzene	1.54567	1.55126	1.77092	1.44211	1.20869	1.50373	13.558

INITIAL CALIBRATION REPORT

Instrument ID: mg.i
Lab File ID: GS2750.D
Analysis Type: SOIL

Injection Date: 06-MAR-2001 16:17
Lab Sample ID: 400 PPB 8260B
Method File: \\SANP2008\D\chem\mg.i\0306AG.B\8260BGS.

COMPOUND	%RSD
Dichlorodifluoromethane	9.9
Vinyl chloride (*)	15.9
Chloromethane (**)	28.3
Bromomethane	25.8
Chloroethane	30.3
Trichlorofluoromethane	42.0
Acrolein	17.6
1,1-Dichloroethene(*)	14.7
1,1,2-Trichlorotrifluoroethan	12.3
Iodomethane	36.6
Acetone	17.2
Carbon disulfide	11.8
Methylene chloride	11.6
trans-1,2-Dichloroethene	12.7
Acrylontrile	12.7
t-Butanol	13.3
Methyl-tert-butyl ether(MTBE)	11.8
1,1-Dichloroethane (**)	10.4
Vinyl acetate	11.1
Isopropyl ether	10.3
Tert-butyl ethyl ether	10.8
2,2-Dichloropropane	12.0
cis-1,2-Dichloroethene	13.0
2-Butanone	15.7
Bromochloromethane	16.1
Tetrahydrofuran	36.6
Chloroform (*)	11.2
1,2-Dichloroethene (total)	12.7
1,1,1-Trichloroethane	13.0
Dibromofluoromethane	20.4
Carbon Tetrachloride	14.9
1,1-Dichloropropene	13.9
1,2-Dichloroethane-d4 2nd	28.3
1,2-Dichloroethane-d4	16.5
Benzene	11.5
1,2-Dichloroethane	12.8
Tert-amyl methyl ether	11.3
Trichloroethene	10.6
1,2-Dichloropropane(*)	11.0

Data File: \\SANP2008\D\chem\mg.i\0306AG.B/GS2750.D
Report Date: 03/07/2001

INITIAL CALIBRATION REPORT

Instrument ID: mg.i
Lab File ID: GS2750.D
Analysis Type: SOIL

Injection Date: 06-MAR-2001 16:17
Lab Sample ID: 400 PPB 8260B
Method File: \\SANP2008\D\chem\mg.i\0306AG.B\8

COMPOUND	%RSD
Dibromomethane	13.5
Bromodichloromethane	11.7
1-Bromo-2-chloroethane	12.4
2-Chloroethylvinyl ether	18.0
cis-1,3-Dichloropropene	9.5
4-Methyl-2-pentanone	17.0
Toluene-d8	20.6
Toluene (*)	10.4
trans-1,3-Dichloropropene	9.1
1,1,2-Trichloroethane	10.3
Tetrachloroethene	11.5
1,3-Dichloropropane	11.2
2-Hexanone	14.2
Dibromochloromethane	11.3
1,2-Dibromoethane	9.9
Chlorobenzene (**)	9.0
1,1,1,2-Tetrachloroethane	12.9
Ethylbenzene (*)	12.3
m,p-Xylenes	13.1
o-Xylene	12.2
Styrene	12.0
Xylenes (total)	12.6
Bromoform (**)	11.7
Isopropylbenzene	12.9
4-Bromofluorobenzene-2nd	12.6
4-Bromofluorobenzene	13.6
Bromobenzene	6.1
1,1,2,2-Tetrachloroethane(**)	7.7
1,2,3-Trichloropropane	8.2
n-Propylbenzene	9.3
2-Chlorotoluene	7.7
4-Chlorotoluene	6.9
1,3,5-Trimethylbenzene	11.0
tert-Butylbenzene	8.4
1,2,4-Trimethylbenzene	8.8
sec-Butylbenzene	8.4
1,3-Dichlorobenzene	6.6
p-Isopropyltoluene	13.0
1,4-Dichlorobenzene	12.0

Data File: \\SANP2008\D\chem\mg.i\0306AG.B/GS2750.D
Report Date: 03/07/2001

INITIAL CALIBRATION REPORT

Instrument ID: mg.i
Lab File ID: GS2750.D
Analysis Type: SOIL

Injection Date: 06-MAR-2001 16:17
Lab Sample ID: 400 PPB 8260B
Method File: \\SANP2008\D\chem\mg.i\0306AG.B\8

COMPOUND	%RSD
1,2-Dichlorobenzene	9.6
n-Butylbenzene	9.5
1,2-Dibromo-3-chloropropane	8.9
1,2,4-Trichlorobenzene	5.9
Hexachlorobutadiene	13.2
Napthalene	12.0
1,2,3-Trichlorobenzene	7.5

The average of all %RSD's in the initial calibration is 13.6 ✓ GTB 3/7/01
PM 3/9/01

STL Los Angeles

Data file : \\SANP2008\D\CHEM\MG.I\0306AG.B\GT1651.D
Lab Smp Id:
Inj Date : 06-MAR-2001 10:42
Operator : GFB Inst ID: mg.i
Smp Info : 50ng bfb,,,,,,bfb.M
Misc Info : 1403-2,,,3,all.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0306AG.B\BFB.M
Meth Date : 23-May-2000 08:19 gradyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * Vf * VI

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 Bromofluorobenzene						CAS #: 460-00-4		
1.7482	1.8000	(0.000)	95	112528			0.00- 100.00	100.00
1.7482	1.8000	(0.000)	50	23114			15.00- 40.00	20.54
1.7482	1.8000	(0.000)	75	63096			30.00- 60.00	56.07
1.7482	1.8000	(0.000)	96	8253			5.00- 9.00	7.33
1.7482	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7482	1.8000	(0.000)	174	70530			50.00- 0.00	62.68
1.7482	1.8000	(0.000)	175	5569			5.00- 9.00	7.90
1.7482	1.8000	(0.000)	176	70802			95.00- 101.00	100.39
1.7482	1.8000	(0.000)	177	5348			5.00- 9.00	7.55

GFB 3/7/01
MN 3/9/01

Data File: \\SANP2008\D\CHEM\MG.I\0306AG.B\GT1651.D

Date : 06-MAR-2001 10:42

Client ID:

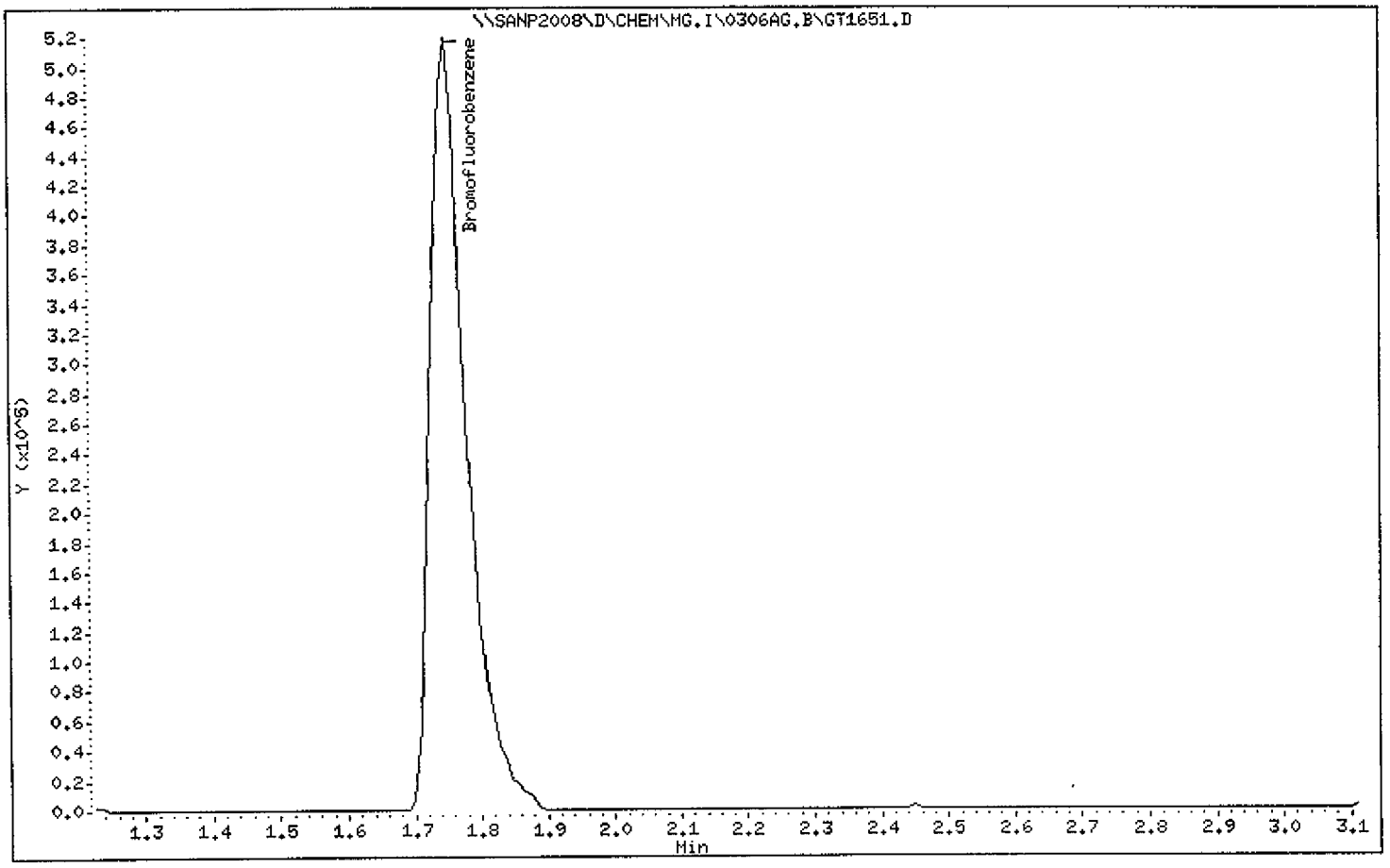
Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



BOE-C6-0006679

Data File: \\SANP2008\D\CHEM\MG.I\0306AG.B\GT1651.D

Date : 06-MAR-2001 10:42

Client ID:

Instrument: mg.i

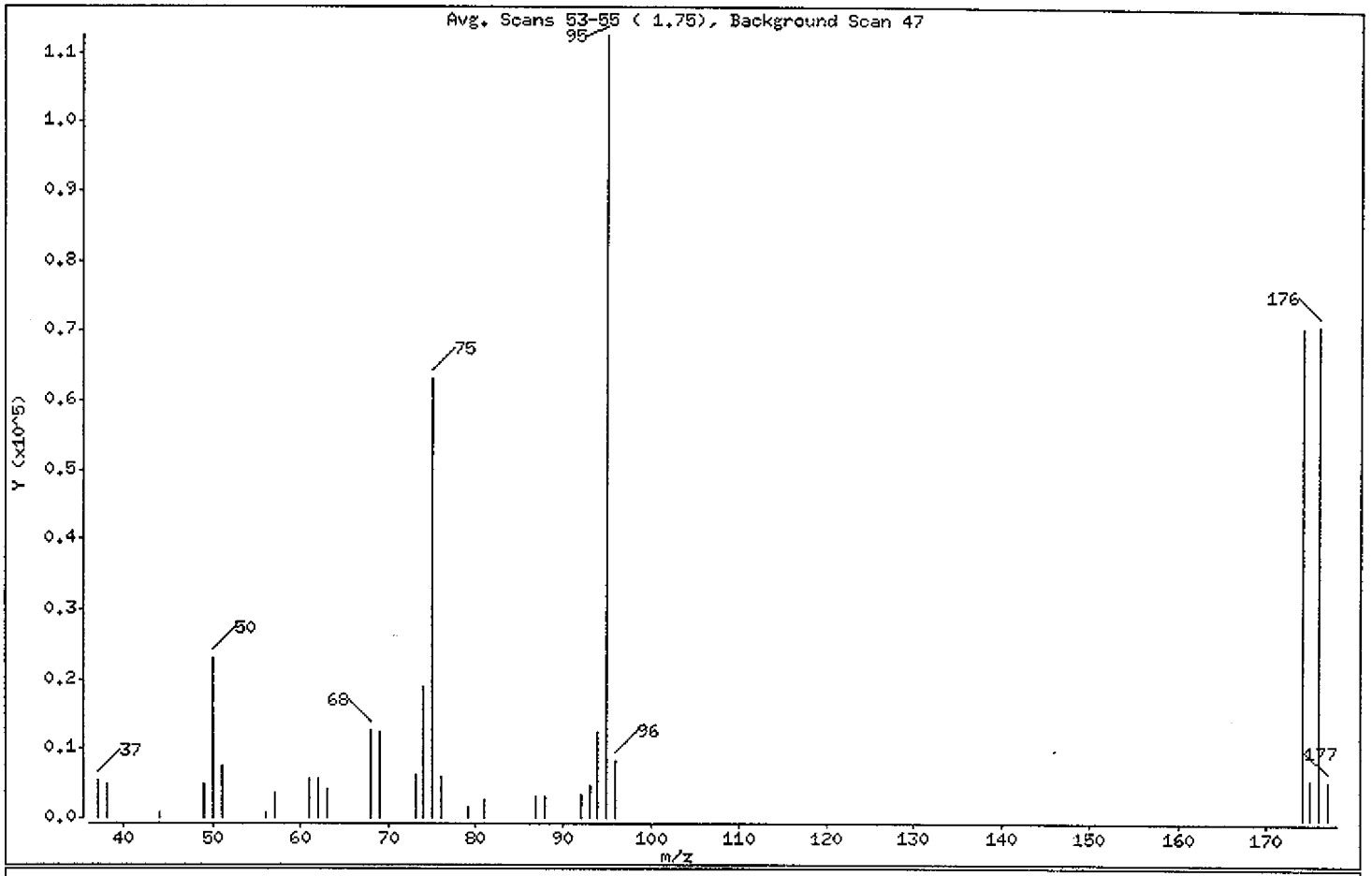
Sample Info: 50ng bfb,,,,,,bfb.M

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.54
75	30.00 - 60.00% of mass 95	56.07
96	5.00 - 9.00% of mass 95	7.33
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	62.68
175	5.00 - 9.00% of mass 174	4.95 (7.90)
176	95.00 - 101.00% of mass 174	62.92 (100.33)
177	5.00 - 9.00% of mass 176	4.75 (7.55)

Data File: \\SANP2008\D\CHEM\MG.I\0306AG.B\GT1651.D

Date : 06-MAR-2001 10:42

Client ID:

Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Data File: GT1651.D
Spectrum: Avg. Scans 53-55 (1.75), Background Scan 47
Location of Maximum: 95.00
Number of points: 30

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	5554	61.00	5712	76.00	5854	95.00	112528
38.00	4847	62.00	5809	79.00	1679	96.00	8253
44.00	694	63.00	4232	81.00	2476	174.00	70528
49.00	5003	68.00	12720	87.00	3224	175.00	5569
50.00	23112	69.00	12343	88.00	2993	176.00	70800
51.00	7501	73.00	6080	92.00	3416	177.00	5348
56.00	702	74.00	18992	93.00	4664		
57.00	3645	75.00	63096	94.00	12352		

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2745.D
Lab Smp Id: 20 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0306AG.B\8260BGS.m
Misc Info: 1431-2;28-1;33-2,,5,,1,1-8260B.SUB

Calibration Date: 29-JAN-2001
Calibration Time: 21:04

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	2131035	1065518	4262070	1708439	-19.83
56 Chlorobenzene-d5	1744530	872265	3489060	1349180	-22.66
79 1,4-Dichlorobenze	1019370	509685	2038740	906277	-11.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.08	6.58	7.58	7.04	-0.62
56 Chlorobenzene-d5	12.58	12.08	13.08	12.53	-0.40
79 1,4-Dichlorobenze	17.21	16.71	17.71	17.16	-0.29

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2746.D
Lab Smp Id: 50 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0306AG.B\8260BGS.m
Misc Info: 1431-2;28-1;18-2,,5,,1,1-8260B.SUB

Calibration Date: 06-MAR-2001
Calibration Time: 12:40

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1587800	793900	3175600	1587800	0.00
56 Chlorobenzene-d5	1214071	607036	2428142	1214071	0.00
79 1,4-Dichlorobenze	854503	427252	1709006	854503	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.04	6.54	7.54	7.04	0.00
56 Chlorobenzene-d5	12.53	12.03	13.03	12.53	0.00
79 1,4-Dichlorobenze	17.15	16.65	17.65	17.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2747.D
Lab Smp Id: 100 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0306AG.B\8260BGS.m
Misc Info: 1431-2;28-1;18-2,,5,,1,1-8260B.SUB

Calibration Date: 06-MAR-2001
Calibration Time: 12:40

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1587800	793900	3175600	1833189	15.45
56 Chlorobenzene-d5	1214071	607036	2428142	1430853	17.86
79 1,4-Dichlorobenze	854503	427252	1709006	970403	13.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.04	6.54	7.54	7.04	-0.07
56 Chlorobenzene-d5	12.53	12.03	13.03	12.52	-0.04
79 1,4-Dichlorobenze	17.15	16.65	17.65	17.15	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2749.D
Lab Smp Id: 5 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\chem\mg.i\0306AG.B\8260BGS.m
Misc Info: 1431-2;28-1;33-2,,5,,1,1-8260B.SUB

Calibration Date: 06-MAR-2001
Calibration Time: 12:40

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1587800	793900	3175600	1668991	5.11
56 Chlorobenzene-d5	1214071	607036	2428142	1325509	9.18
79 1,4-Dichlorobenze	854503	427252	1709006	870230	1.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.04	6.54	7.54	7.02	-0.33
56 Chlorobenzene-d5	12.53	12.03	13.03	12.53	0.05
79 1,4-Dichlorobenze	17.15	16.65	17.65	17.17	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

BOE-C6-0006685

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2750.D
Lab Smp Id: 400 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0306AG.B\8260BGS.m
Misc Info: 1431-2;28-1;18-2,,5,,1,1-8260B.SUB

Calibration Date: 06-MAR-2001
Calibration Time: 12:40

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1587800	793900	3175600	1865434	17.49
56 Chlorobenzene-d5	1214071	607036	2428142	1366572	12.56
79 1,4-Dichlorobenze	854503	427252	1709006	774001	-9.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.04	6.54	7.54	7.05	0.03
56 Chlorobenzene-d5	12.53	12.03	13.03	12.54	0.10
79 1,4-Dichlorobenze	17.15	16.65	17.65	17.17	0.13

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0306AG.B\GS2745.D
Lab Smp Id: 20 PPB 8260B
Inj Date : 06-MAR-2001 12:06
Operator : GFB Inst ID: mg.i
Smp Info : 20 PPB 8260B,,,2,0,,,8260BGS.M
Misc Info : 1431-2;28-1;33-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0306AG.B\8260BGS.m
Meth Date : 06-Mar-2001 12:31 beckmang Quant Type: ISTD
Cal Date : 29-JAN-2001 21:04 Cal File: GS2685.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.476	1.524	(0.210)	415247	20.0000	17.26
3 Chloromethane (**)	50	1.732	1.789	(0.246)	115869	20.0000	22.22
2 Vinyl chloride (*)	62	1.713	1.750	(0.243)	142204	20.0000	20.32(Q)
4 Bromomethane	94	1.979	2.006	(0.281)	93412	20.0000	17.23(Q)
5 Chloroethane	64	2.058	2.084	(0.292)	88087	20.0000	23.69
6 Trichlorofluoromethane	101	2.305	2.429	(0.327)	643981	20.0000	20.99
7 Acrolein	56	2.699	2.773	(0.383)	84087	200.000	136.0(AQ)
8 1,1-Dichloroethene(*)	96	2.788	2.803	(0.396)	193344	20.0000	20.84
9 1,1,2-Trichlorotrifluoroethan	151	2.797	2.793	(0.397)	348837	20.0000	20.91
10 Acetone	43	2.867	2.980	(0.407)	199891	100.000	73.37
11 Iodomethane	142	2.946	2.960	(0.419)	708522	40.0000	43.71
12 Carbon disulfide	76	3.005	3.029	(0.427)	447299	20.0000	19.29
13 Methylene chloride	84	3.330	3.373	(0.473)	193188	20.0000	20.47
14 t-Butanol	59	3.567	3.796	(0.507)	132466	80.0000	70.49(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.636	3.757	(0.517)	307146	200.000	187.4(A)
	15 trans-1,2-Dichloroethene	96	3.656	3.698	(0.519)	223370	20.0000	21.40
	19 Vinyl acetate	43	4.385	4.465	(0.623)	1078274	40.0000	52.44
	17 Methyl-tert-butyl ether[MTBE]	73	3.695	3.786	(0.525)	651404	20.0000	19.53
	18 1,1-Dichloroethane (**)	63	4.247	4.318	(0.603)	430482	20.0000	20.24
	20 Isopropyl ether	45	4.425	4.505	(0.629)	624149	20.0000	21.20
	22 Tert-butyl ethyl ether	59	4.987	5.055	(0.709)	858033	20.0000	22.60(Q)
	21 2,2-Dichloropropane	77	5.125	5.164	(0.728)	581921	20.0000	20.76
	23 cis-1,2-Dichloroethene	96	5.154	5.203	(0.732)	249680	20.0000	21.87
	24 2-Butanone	43	5.233	5.351	(0.744)	375080	100.000	89.10
	25 Bromochloromethane	128	5.519	5.577	(0.784)	160851	20.0000	21.95
	27 Tetrahydrofuran	42	5.628	5.734	(0.800)	47273	20.0000	22.47
	26 Chloroform (*)	83	5.687	5.754	(0.808)	606052	20.0000	19.99
M	28 1,2-Dichloroethene (total)	100				473050	40.0000	43.27
$	29 Dibromofluoromethane	111	5.953	6.020	(0.846)	494084	20.0000	19.35
	30 1,1,1-Trichloroethane	97	5.924	5.951	(0.842)	631517	20.0000	19.30
	31 Carbon Tetrachloride	117	6.190	6.216	(0.879)	600322	20.0000	19.40
	32 1,1-Dichloropropene	75	6.200	6.236	(0.881)	429823	20.0000	21.42
$	33 1,2-Dichloroethane-d4	65	6.476	6.531	(0.920)	391969	20.0000	18.01
	34 1,2-Dichloroethane-d4 2nd	102	6.466	6.531	(0.919)	58746	20.0000	20.49
	35 Benzene	78	6.545	6.580	(0.930)	612636	20.0000	22.92
	36 1,2-Dichloroethane	62	6.614	6.659	(0.940)	463782	20.0000	19.33(Q)
	37 Tert-amyl methyl ether	73	6.821	6.895	(0.969)	754302	20.0000	21.67(Q)
*	38 Fluorobenzene	96	7.038	7.082	(1.000)	1708439	50.0000	
	39 Trichloroethene	130	7.689	7.712	(1.092)	325416	20.0000	20.50
	40 1,2-Dichloropropane(*)	63	8.054	8.105	(1.144)	245893	20.0000	22.77
	41 Dibromomethane	93	8.261	8.322	(1.174)	249958	20.0000	20.46
	42 Bromodichloromethane	83	8.596	8.636	(1.221)	613843	20.0000	19.91
	44 2-Chloroethylvinyl ether	106	9.188	9.256	(1.305)	83574	40.0000	35.40(Q)
	43 1-Bromo-2-chloroethane	63	9.099	9.148	(1.293)	435658	20.0000	24.08
	45 cis-1,3-Dichloropropene	75	9.395	9.453	(1.335)	414656	20.0000	20.63
	46 4-Methyl-2-pentanone	43	9.740	9.827	(1.384)	957719	100.000	91.00
$	47 Toluene-d8	98	9.848	9.906	(0.786)	641103	20.0000	21.69
	48 Toluene (*)	91	9.967	10.024	(0.795)	748906	20.0000	23.53
	49 trans-1,3-Dichloropropene	75	10.440	10.496	(0.833)	385301	20.0000	20.34
	50 1,1,2-Trichloroethane	97	10.765	10.820	(0.859)	252997	20.0000	22.56
	51 Tetrachloroethene	164	10.963	11.007	(0.875)	319152	20.0000	22.12
	52 1,3-Dichloropropane	76	11.051	11.106	(0.882)	428943	20.0000	22.86
	53 2-Hexanone	43	11.298	11.371	(0.902)	728332	100.000	101.8
	54 Dibromochloromethane	129	11.456	11.519	(0.914)	509376	20.0000	20.72
	55 1,2-Dibromoethane	107	11.623	11.676	(0.928)	389799	20.0000	21.60(Q)
*	56 Chlorobenzene-d5	117	12.531	12.581	(1.000)	1349180	50.0000	
	57 Chlorobenzene (**)	112	12.590	12.640	(1.005)	585567	20.0000	22.44
	58 1,1,1,2-Tetrachloroethane	131	12.777	12.827	(1.020)	383199	20.0000	22.08
	59 Ethylbenzene (*)	106	12.836	12.896	(1.024)	284451	20.0000	23.45
	60 m,p-Xylenes	106	13.083	13.132	(1.044)	702527	40.0000	47.33
	61 o-Xylene	106	13.832	13.880	(1.104)	341888	20.0000	23.12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.882	13.929	(1.108)	551565	20.0000	22.80
M	63 Xylenes (total)	100				1044415	60.0000	70.45
	64 Bromoform (**)	173	14.197	14.234	(1.133)	391495	20.0000	20.24
	65 Isopropylbenzene	105	14.592	14.638	(1.164)	1094407	20.0000	22.22
$	67 4-Bromofluorobenzene	95	14.848	14.913	(0.865)	567916	20.0000	22.80
	66 4-Bromofluorobenzene-2nd	174	14.868	14.913	(0.867)	354563	20.0000	20.81
	68 Bromobenzene	156	15.095	15.149	(0.880)	357108	20.0000	22.10
	69 1,1,2,2-Tetrachloroethane(**)	83	15.243	15.297	(0.888)	405151	20.0000	23.96
	70 1,2,3-Trichloropropane	110	15.262	15.326	(0.890)	141108	20.0000	21.90
	71 n-Propylbenzene	91	15.410	15.464	(0.898)	1203404	20.0000	24.14
	72 2-Chlorotoluene	126	15.529	15.582	(0.905)	270935	20.0000	23.57
	73 4-Chlorotoluene	126	15.745	15.798	(0.918)	271433	20.0000	23.52
	74 1,3,5-Trimethylbenzene	105	15.795	15.848	(0.921)	976652	20.0000	23.66
	75 tert-Butylbenzene	119	16.416	16.467	(0.957)	988466	20.0000	22.94
	76 1,2,4-Trimethylbenzene	105	16.525	16.585	(0.963)	994806	20.0000	23.52
	77 sec-Butylbenzene	105	16.860	16.920	(0.983)	1260016	20.0000	23.72
	78 1,3-Dichlorobenzene	146	17.008	17.068	(0.991)	531345	20.0000	22.37
*	79 1,4-Dichlorobenzene-d4	152	17.156	17.205	(1.000)	906277	50.0000	(Q)
	80 1,4-Dichlorobenzene	146	17.205	17.264	(1.003)	632604	20.0000	24.27
	81 p-Isopropyltoluene	119	17.195	17.245	(1.002)	1096811	20.0000	24.72
	82 1,2-Dichlorobenzene	146	17.935	17.973	(1.045)	583619	20.0000	23.31
	83 n-Butylbenzene	91	18.023	18.071	(1.051)	1030636	20.0000	25.63
	84 1,2-Dibromo-3-chloropropane	157	19.542	19.586	(1.139)	141775	20.0000	19.77(Q)
	85 1,2,4-Trichlorobenzene	180	21.238	21.288	(1.238)	482800	20.0000	22.28
	86 Hexachlorobutadiene	225	21.662	21.701	(1.263)	426567	20.0000	25.90
	87 Napthalene	128	21.702	21.760	(1.265)	821314	20.0000	22.75
	88 1,2,3-Trichlorobenzene	180	22.224	22.262	(1.295)	484714	20.0000	23.11

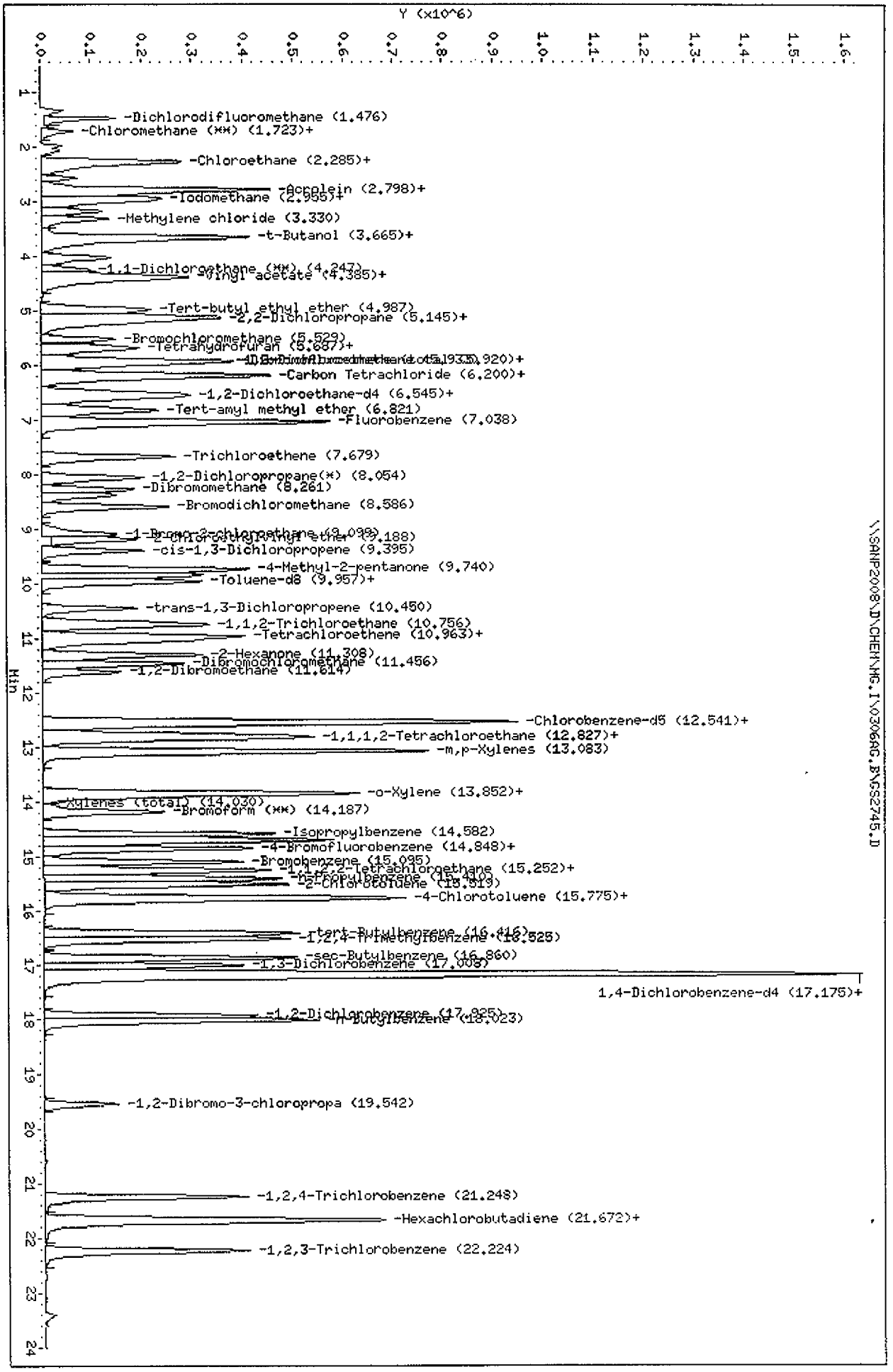
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

BOE-C6-0006689

Data File: \\SANP2008\D\CHEM\MG.I\0306AG.B\GS2745.D
Date : 06-MAR-2001 12:06
Client ID:
Sample Info: 20 PPB 8260B,,2,0,,8260BGS.M
Column phase: J&W DB-624

Instrument: mg.i
Operator: GFB
Column diameter: 0.53



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BOE-C6-0006690

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0306AG.B\GS2746.D
Lab Smp Id: 50 PPB 8260B
Inj Date : 06-MAR-2001 12:40
Operator : GFB Inst ID: mg.i
Smp Info : 50 PPB 8260B,,,3,0,,,8260BGS.M
Misc Info : 1431-2;28-1;18-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0306AG.B\8260BGS.m
Meth Date : 06-Mar-2001 13:05 beckmang Quant Type: ISTD
Cal Date : 29-JAN-2001 21:04 Cal File: GS2685.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.482	1.482	(0.210)	1041627	50.0000	46.58
3 Chloromethane (**)	50	1.748	1.748	(0.248)	298188	50.0000	61.52
2 Vinyl chloride (*)	62	1.719	1.719	(0.244)	371940	50.0000	57.18
4 Bromomethane	94	1.985	1.985	(0.282)	281126	50.0000	55.81
5 Chloroethane	64	2.064	2.064	(0.293)	236271	50.0000	68.36
6 Trichlorofluoromethane	101	2.301	2.301	(0.327)	1623280	50.0000	56.94
7 Acrolein	56	2.695	2.695	(0.383)	240281	500.000	418.1(A)
8 1,1-Dichloroethene(*)	96	2.784	2.784	(0.395)	481852	50.0000	55.88
9 1,1,2-Trichlorotrifluoroethan	151	2.794	2.794	(0.397)	859834	50.0000	55.45
10 Acetone	43	2.873	2.873	(0.408)	503270	250.000	198.8
11 Iodomethane	142	2.942	2.942	(0.418)	2070704	100.000	137.4(A)
12 Carbon disulfide	76	3.011	3.011	(0.427)	1135136	50.0000	52.68
13 Methylene chloride	84	3.326	3.326	(0.472)	489028	50.0000	55.76
14 t-Butanol	59	3.573	3.573	(0.507)	349072	200.000	199.9(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.652	3.652	(0.518)	779087	500.000	511.6(A)
	15 trans-1,2-Dichloroethene	96	3.661	3.661	(0.520)	556061	50.0000	57.31
	19 Vinyl acetate	43	4.372	4.372	(0.621)	2552373	100.000	133.6(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.701	3.701	(0.525)	1587337	50.0000	51.21
	18 1,1-Dichloroethane (**)	63	4.253	4.253	(0.604)	1070617	50.0000	54.17
	20 Isopropyl ether	45	4.411	4.411	(0.626)	1533064	50.0000	56.02
	22 Tert-butyl ethyl ether	59	4.983	4.983	(0.707)	1933125	50.0000	54.78
	21 2,2-Dichloropropane	77	5.121	5.121	(0.727)	1312180	50.0000	50.36
	23 cis-1,2-Dichloroethene	96	5.160	5.160	(0.733)	589689	50.0000	55.58
	24 2-Butanone	43	5.239	5.239	(0.744)	836223	250.000	213.7
	25 Bromochloromethane	128	5.515	5.515	(0.783)	407111	50.0000	59.77
	27 Tetrahydrofuran	42	5.634	5.634	(0.800)	132195	50.0000	67.60
	26 Chloroform (*)	83	5.693	5.693	(0.808)	1533969	50.0000	54.44
M	28 1,2-Dichloroethene (total)	100				1145750	100.000	112.9
$	29 Dibromofluoromethane	111	5.949	5.949	(0.845)	1339340	50.0000	56.43
	30 1,1,1-Trichloroethane	97	5.930	5.930	(0.842)	1599183	50.0000	52.58
	31 Carbon Tetrachloride	117	6.186	6.186	(0.878)	1525422	50.0000	53.03
	32 1,1-Dichloropropene	75	6.206	6.206	(0.881)	1067149	50.0000	57.23
$	33 1,2-Dichloroethane-d4	65	6.472	6.472	(0.919)	1029990	50.0000	50.93
	34 1,2-Dichloroethane-d4 2nd	102	6.472	6.472	(0.919)	165337	50.0000	62.04
	35 Benzene	78	6.541	6.541	(0.929)	1532334	50.0000	61.70
	36 1,2-Dichloroethane	62	6.610	6.610	(0.938)	1122729	50.0000	50.35
	37 Tert-amyl methyl ether	73	6.817	6.817	(0.968)	1846881	50.0000	57.08
*	38 Fluorobenzene	96	7.044	7.044	(1.000)	1587800	50.0000	
	39 Trichloroethene	130	7.675	7.675	(1.090)	816492	50.0000	55.34
	40 1,2-Dichloropropane(*)	63	8.050	8.050	(1.143)	615257	50.0000	61.31
	41 Dibromomethane	93	8.267	8.267	(1.174)	617288	50.0000	54.36
	42 Bromodichloromethane	83	8.592	8.592	(1.220)	1507583	50.0000	52.61
	44 2-Chloroethylvinyl ether	106	9.194	9.194	(1.305)	221220	100.000	100.8(A)
	43 1-Bromo-2-chloroethane	63	9.095	9.095	(1.291)	1044661	50.0000	62.12
	45 cis-1,3-Dichloropropene	75	9.391	9.391	(1.333)	1042324	50.0000	55.80
	46 4-Methyl-2-pentanone	43	9.746	9.746	(1.384)	2344215	250.000	239.7
$	47 Toluene-d8	98	9.845	9.845	(0.786)	1747517	50.0000	65.70
	48 Toluene (*)	91	9.973	9.973	(0.796)	1868435	50.0000	65.23
	49 trans-1,3-Dichloropropene	75	10.436	10.436	(0.833)	985293	50.0000	57.80
	50 1,1,2-Trichloroethane	97	10.762	10.762	(0.859)	627703	50.0000	62.20
	51 Tetrachloroethene	164	10.959	10.959	(0.875)	802932	50.0000	61.86
	52 1,3-Dichloropropane	76	11.048	11.048	(0.882)	1045605	50.0000	61.93
	53 2-Hexanone	43	11.304	11.304	(0.902)	1831937	250.000	284.7
	54 Dibromochloromethane	129	11.472	11.472	(0.916)	1276395	50.0000	57.70
	55 1,2-Dibromoethane	107	11.629	11.629	(0.928)	957573	50.0000	58.98
*	56 Chlorobenzene-d5	117	12.527	12.527	(1.000)	1214071	50.0000	
	57 Chlorobenzene (**)	112	12.576	12.576	(1.004)	1411942	50.0000	60.13
	58 1,1,1,2-Tetrachloroethane	131	12.783	12.783	(1.020)	912496	50.0000	58.42
	59 Ethylbenzene (*)	106	12.842	12.842	(1.025)	693506	50.0000	63.53
	60 m,p-Xylenes	106	13.079	13.079	(1.044)	1646705	100.000	123.3
	61 o-Xylene	106	13.838	13.838	(1.105)	842987	50.0000	63.37

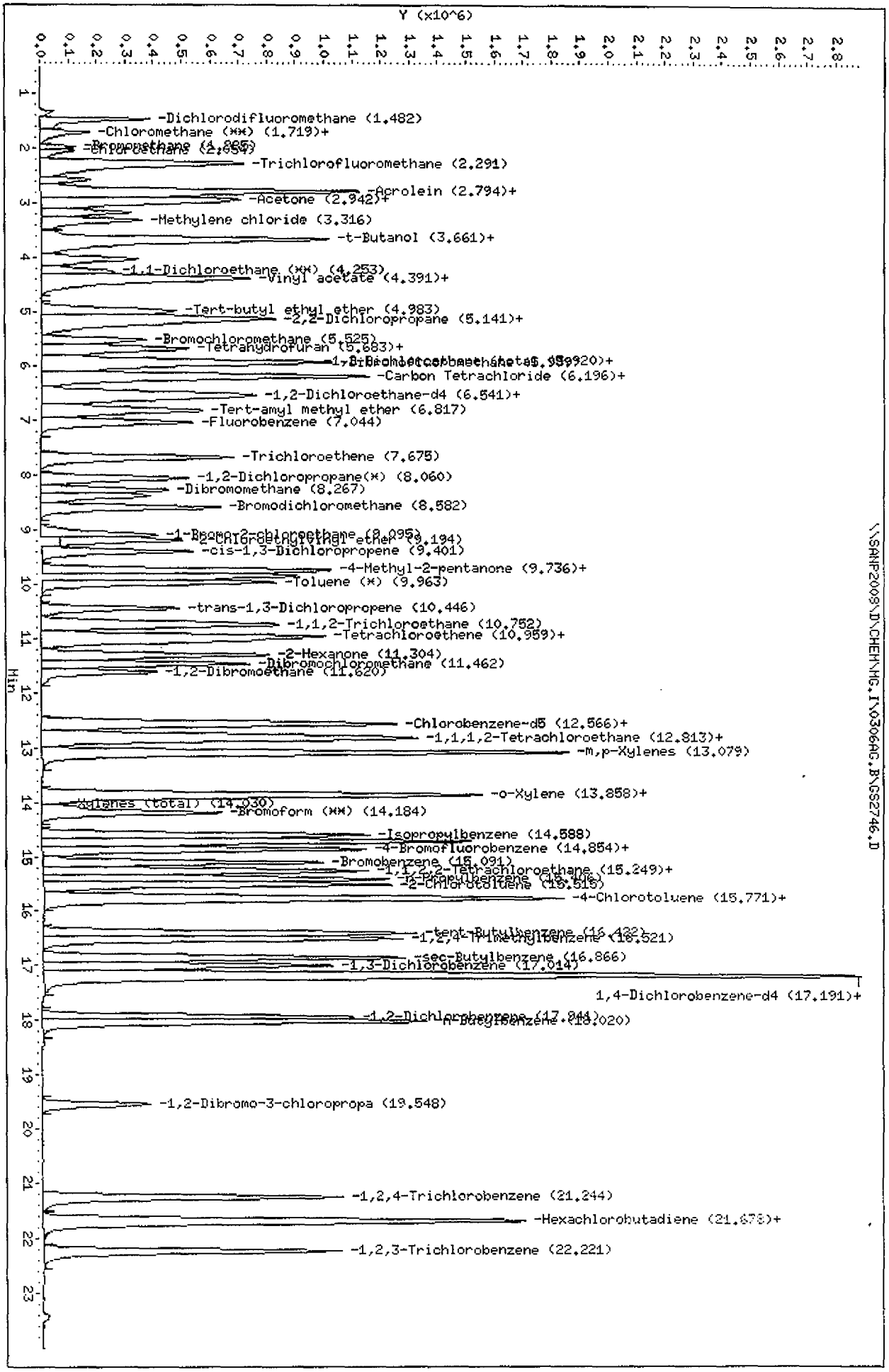
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.878	13.878	(1.108)	1383795	50.0000	63.57
M	63 Xylenes (total)	100				2489692	150.000	186.6
	64 Bromoform (**)	173	14.184	14.184	(1.132)	1000523	50.0000	57.48
	65 Isopropylbenzene	105	14.588	14.588	(1.165)	2746142	50.0000	61.97
$	67 4-Bromofluorobenzene	95	14.854	14.854	(0.866)	1521293	50.0000	64.77
	66 4-Bromofluorobenzene-2nd	174	14.864	14.864	(0.867)	982922	50.0000	61.19
	68 Bromobenzene	156	15.101	15.101	(0.880)	894775	50.0000	58.73
	69 1,1,2,2-Tetrachloroethane(**)	83	15.239	15.239	(0.888)	1019675	50.0000	63.95
	70 1,2,3-Trichloropropane	110	15.268	15.268	(0.890)	357484	50.0000	58.84
	71 n-Propylbenzene	91	15.416	15.416	(0.899)	2933461	50.0000	62.40
	72 2-Chlorotoluene	126	15.525	15.525	(0.905)	663935	50.0000	61.26
	73 4-Chlorotoluene	126	15.742	15.742	(0.918)	691894	50.0000	63.58
	74 1,3,5-Trimethylbenzene	105	15.791	15.791	(0.921)	2461144	50.0000	63.25
	75 tert-Butylbenzene	119	16.422	16.422	(0.957)	2520566	50.0000	62.05
	76 1,2,4-Trimethylbenzene	105	16.521	16.521	(0.963)	2485464	50.0000	62.33
	77 sec-Butylbenzene	105	16.866	16.866	(0.983)	3181406	50.0000	63.51
	78 1,3-Dichlorobenzene	146	17.014	17.014	(0.992)	1373888	50.0000	61.34
*	79 1,4-Dichlorobenzene-d4	152	17.152	17.152	(1.000)	854503	50.0000	
	80 1,4-Dichlorobenzene	146	17.201	17.201	(1.003)	1588397	50.0000	64.63
	81 p-Isopropyltoluene	119	17.201	17.201	(1.003)	2718976	50.0000	65.00
	82 1,2-Dichlorobenzene	146	17.931	17.931	(1.045)	1492017	50.0000	63.21
	83 n-Butylbenzene	91	18.029	18.029	(1.051)	2532838	50.0000	66.82
	84 1,2-Dibromo-3-chloropropane	157	19.548	19.548	(1.140)	385609	50.0000	57.02(Q)
	85 1,2,4-Trichlorobenzene	180	21.244	21.244	(1.239)	1224736	50.0000	59.95
	86 Hexachlorobutadiene	225	21.658	21.658	(1.263)	1026008	50.0000	66.06
	87 Napthalene	128	21.718	21.718	(1.266)	2048616	50.0000	60.20
	88 1,2,3-Trichlorobenzene	180	22.221	22.221	(1.296)	1183308	50.0000	59.84

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\0306AG.B\GS2746.D
Date : 06-MAR-2001 12:40
Client ID:
Sample Info: 50 PPB 8260B,,3,0,,8260BGS,M
Column phase: J&W DB-624

Instrument: mg.i
Operator: GFB
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0306AG.B\GS2747.D
Lab Smp Id: 100 PPB 8260B
Inj Date : 06-MAR-2001 13:14
Operator : GFB Inst ID: mg.i
Smp Info : 100 PPB 8260B,,,4,0,,,8260BGS.M
Misc Info : 1431-2;28-1;18-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0306AG.B\8260BGS.m
Meth Date : 06-Mar-2001 13:38 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 13:14 Cal File: GS2747.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.477	1.482	(0.210)	1955065	100.000	84.27
3 Chloromethane (**)	50	1.753	1.748	(0.249)	564501	100.000	89.49
2 Vinyl chloride (*)	62	1.714	1.719	(0.243)	677323	100.000	86.12
4 Bromomethane	94	1.980	1.985	(0.281)	377952	100.000	71.13
5 Chloroethane	64	2.049	2.064	(0.291)	366682	100.000	78.07
6 Trichlorofluoromethane	101	2.296	2.301	(0.326)	2958141	100.000	82.53
7 Acrolein	56	2.700	2.695	(0.384)	489331	1000.00	1026(A)
8 1,1-Dichloroethene(*)	96	2.789	2.784	(0.396)	907904	100.000	86.26
9 1,1,2-Trichlorotrifluoroethan	151	2.779	2.794	(0.395)	1610661	100.000	85.82
10 Acetone	43	2.877	2.873	(0.409)	914112	500.000	426.8
11 Iodomethane	142	2.947	2.942	(0.419)	3968823	200.000	211.6(A)
12 Carbon disulfide	76	2.996	3.011	(0.426)	2848981	100.000	105.4
13 Methylene chloride	84	3.321	3.326	(0.472)	936089	100.000	88.69
14 t-Butanol	59	3.597	3.573	(0.511)	707623	400.000	388.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.657	3.652	(0.519)	1544290	1000.00	928.7(A)
	15 trans-1,2-Dichloroethene	96	3.666	3.661	(0.521)	1064976	100.000	88.86
	19 Vinyl acetate	43	4.376	4.372	(0.622)	4942641	200.000	168.6(A)
	17 Methyl-tert-butyl ether(MTBE)	73	3.696	3.701	(0.525)	3108910	100.000	87.10
	18 1,1-Dichloroethane (**)	63	4.268	4.253	(0.606)	2007800	100.000	84.35
	20 Isopropyl ether	45	4.416	4.411	(0.627)	2946822	100.000	84.89
	22 Tert-butyl ethyl ether	59	4.988	4.983	(0.709)	3997221	100.000	88.44
	21 2,2-Dichloropropane	77	5.126	5.121	(0.728)	2717125	100.000	87.89
	23 cis-1,2-Dichloroethene	96	5.156	5.160	(0.732)	1240602	100.000	93.33
	24 2-Butanone	43	5.244	5.239	(0.745)	1801249	500.000	446.2
	27 Tetrahydrofuran	42	5.629	5.634	(0.800)	267623	100.000	104.7
	26 Chloroform (*)	83	5.698	5.693	(0.809)	2891715	100.000	85.14
M	28 1,2-Dichloroethene (total)	100				2305578	200.000	182.2
$	29 Dibromofluoromethane	111	5.964	5.949	(0.847)	2485163	100.000	88.19
	30 1,1,1-Trichloroethane	97	5.925	5.930	(0.842)	2999256	100.000	84.71
	31 Carbon Tetrachloride	117	6.191	6.186	(0.880)	2853890	100.000	85.72
	32 1,1-Dichloropropene	75	6.211	6.206	(0.882)	1987984	100.000	85.01
$	33 1,2-Dichloroethane-d4	65	6.487	6.472	(0.922)	1954388	100.000	86.12
	34 1,2-Dichloroethane-d4 2nd	102	6.477	6.472	(0.920)	320705	100.000	113.8
	35 Benzene	78	6.536	6.541	(0.929)	2869306	100.000	84.16
	36 1,2-Dichloroethane	62	6.605	6.610	(0.938)	2122290	100.000	84.03
	37 Tert-amyl methyl ether	73	6.822	6.817	(0.969)	3567679	100.000	86.63
*	38 Fluorobenzene	96	7.039	7.044	(1.000)	1833189	50.0000	
	39 Trichloroethene	130	7.670	7.675	(1.090)	1541078	100.000	85.81
	40 1,2-Dichloropropane(*)	63	8.055	8.050	(1.144)	1157903	100.000	85.60
	41 Dibromomethane	93	8.272	8.267	(1.175)	1145359	100.000	84.17
	42 Bromodichloromethane	83	8.597	8.592	(1.221)	2889073	100.000	86.32
	44 2-Chloroethylvinyl ether	106	9.199	9.194	(1.307)	458104	200.000	204.3(A)
	43 1-Bromo-2-chloroethane	63	9.090	9.095	(1.291)	1938258	100.000	83.47
	45 cis-1,3-Dichloropropene	75	9.396	9.391	(1.335)	2006042	100.000	88.21
	46 4-Methyl-2-pentanone	43	9.741	9.746	(1.384)	4494923	500.000	431.8
$	47 Toluene-d8	98	9.859	9.845	(0.787)	3138129	100.000	83.17
	48 Toluene (*)	91	9.968	9.973	(0.796)	3451835	100.000	82.74
	49 trans-1,3-Dichloropropene	75	10.451	10.436	(0.835)	1877865	100.000	88.63
	50 1,1,2-Trichloroethane	97	10.767	10.762	(0.860)	1209355	100.000	86.90
	51 Tetrachloroethene	164	10.964	10.959	(0.876)	1483899	100.000	82.99
	52 1,3-Dichloropropane	76	11.053	11.048	(0.883)	1937260	100.000	82.85
	53 2-Hexanone	43	11.309	11.304	(0.903)	3543157	500.000	436.6
	54 Dibromochloromethane	129	11.467	11.472	(0.916)	2407871	100.000	86.20
	55 1,2-Dibromoethane	107	11.615	11.629	(0.928)	1832353	100.000	87.13
*	56 Chlorobenzene-d5	117	12.522	12.527	(1.000)	1430853	50.0000	
	57 Chlorobenzene (**)	112	12.581	12.576	(1.005)	2746827	100.000	85.11
	58 1,1,1,2-Tetrachloroethane	131	12.768	12.783	(1.020)	1746088	100.000	85.27
	59 Ethylbenzene (*)	106	12.847	12.842	(1.026)	1309531	100.000	84.52
	60 m,p-Xylenes	106	13.084	13.079	(1.045)	3127748	200.000	164.3
	61 o-Xylene	106	13.833	13.838	(1.105)	1604024	100.000	85.85
	62 Styrene	104	13.873	13.878	(1.108)	2593734	100.000	85.80

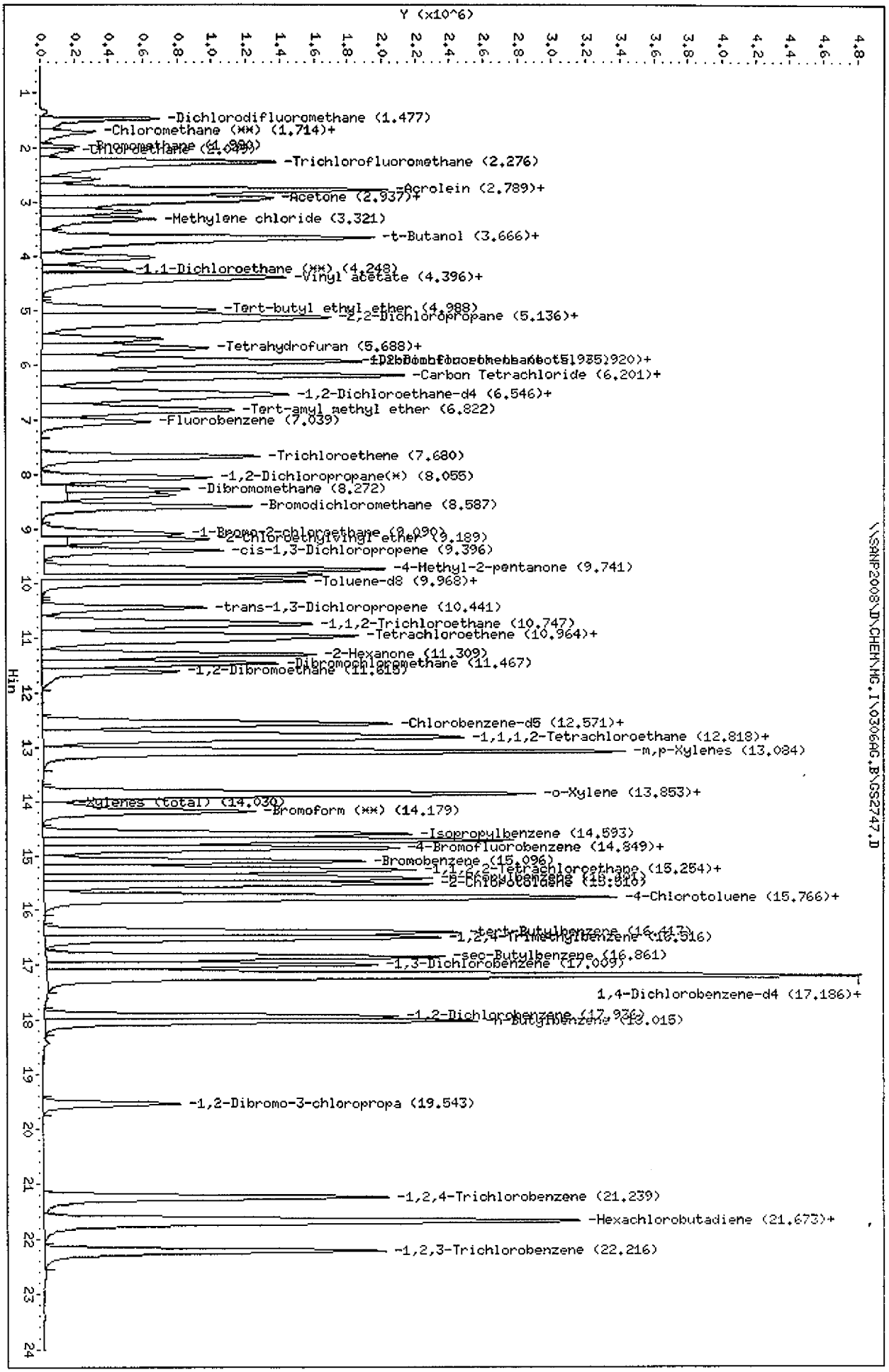
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
M 63 Xylenes (total)	100				4731772	300.000	250.1
64 Bromoform (**)	173	14.188	14.184	(1.133)	1988286	100.000	92.46
65 Isopropylbenzene	105	14.593	14.588	(1.165)	5143308	100.000	84.02
$ 67 4-Bromofluorobenzene	95	14.859	14.854	(0.867)	2798864	100.000	83.95
66 4-Bromofluorobenzene-2nd	174	14.859	14.864	(0.867)	1782621	100.000	85.47
68 Bromobenzene	156	15.096	15.101	(0.880)	1723692	100.000	87.22
69 1,1,2,2-Tetrachloroethane(**)	83	15.244	15.239	(0.889)	1969497	100.000	87.52
70 1,2,3-Trichloropropane	110	15.273	15.268	(0.891)	693308	100.000	88.81
71 n-Propylbenzene	91	15.421	15.416	(0.899)	5626474	100.000	83.82
72 2-Chlorotoluene	126	15.510	15.525	(0.905)	1261147	100.000	85.08
73 4-Chlorotoluene	126	15.747	15.742	(0.918)	1295334	100.000	87.17
74 1,3,5-Trimethylbenzene	105	15.796	15.791	(0.921)	4472617	100.000	82.30
75 tert-Butylbenzene	119	16.417	16.422	(0.957)	4672716	100.000	84.30
76 1,2,4-Trimethylbenzene	105	16.526	16.521	(0.964)	4621257	100.000	83.79
77 sec-Butylbenzene	105	16.861	16.866	(0.983)	5909981	100.000	83.69
78 1,3-Dichlorobenzene	146	17.009	17.014	(0.992)	2578906	100.000	87.10
* 79 1,4-Dichlorobenzene-d4	152	17.147	17.152	(1.000)	970403	50.0000	
80 1,4-Dichlorobenzene	146	17.206	17.201	(1.003)	2789818	100.000	81.29
81 p-Isopropyltoluene	119	17.196	17.201	(1.003)	4876252	100.000	81.20
82 1,2-Dichlorobenzene	146	17.936	17.931	(1.046)	2640657	100.000	83.60
83 n-Butylbenzene	91	18.025	18.029	(1.051)	4623874	100.000	82.66
84 1,2-Dibromo-3-chloropropane	157	19.543	19.548	(1.140)	799630	100.000	99.67
85 1,2,4-Trichlorobenzene	180	21.239	21.244	(1.239)	2355285	100.000	88.99
86 Hexachlorobutadiene	225	21.654	21.658	(1.263)	1878267	100.000	82.33
87 Napthalene	128	21.703	21.718	(1.266)	3838054	100.000	87.92
88 1,2,3-Trichlorobenzene	180	22.216	22.221	(1.296)	2259188	100.000	87.58

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\SANP2008\D\CHEM\MG.I\0306AG.B\GS2747.D
Date : 06-MAR-2001 13:14
Client ID:
Sample Info: 100 PPB 8260B,,4,0,,8260BCS.M
Column phase: J&W DB-624

Instrument: mg.i
Operator: GFB
Column diameter: 0.53



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BOE-C6-0006698

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\chem\mg.i\0306AG.B\GS2749.D
Lab Smp Id: 5 PPB 8260B
Inj Date : 06-MAR-2001 15:43
Operator : GFB Inst ID: mg.i
Smp Info : 5 PPB 8260B,,,1,0,,,8260BGS.M
Misc Info : 1431-2;28-1;33-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\chem\mg.i\0306AG.B\8260BGS.m
Meth Date : 07-Mar-2001 16:31 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.478	1.484	(0.211)	94542	5.00000	4.92(a)
3 Chloromethane (**)	50	1.735	1.790	(0.247)	13895	5.00000	2.89(aQ)
2 Vinyl chloride (*)	62	1.705	1.721	(0.243)	26610	5.00000	4.17(aQ)
4 Bromomethane	94	1.981	1.977	(0.282)	26031	5.00000	5.83(Q)
5 Chloroethane	64	2.080	2.047	(0.296)	17537	5.00000	4.83(aQ)
6 Trichlorofluoromethane	101	2.287	2.382	(0.326)	159618	5.00000	6.07(Q)
7 Acrolein	56	2.691	2.737	(0.383)	15548	50.0000	37.34(Q)
8 1,1-Dichloroethene(*)	96	2.790	2.766	(0.397)	35941	5.00000	4.22(a)
9 1,1,2-Trichlorotrifluoroethan	151	2.780	2.786	(0.396)	73305	5.00000	4.71(a)
10 Acetone	43	2.849	2.944	(0.406)	51992	25.0000	28.31(Q)
11 Iodomethane	142	2.958	2.924	(0.421)	62045	10.0000	3.92(aQ)
12 Carbon disulfide	76	2.997	2.973	(0.427)	98915	5.00000	4.84(aQ)
13 Methylene chloride	84	3.322	3.328	(0.473)	38454	5.00000	4.35(a)
14 t-Butanol	59	3.559	3.733	(0.507)	34465	20.0000	21.37(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	RSL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.648	3.703	(0.520)	63443	50.0000	46.08
	15 trans-1,2-Dichloroethene	96	3.668	3.654	(0.522)	42827	5.00000	4.28(a)
	19 Vinyl acetate	43	4.378	4.413	(0.624)	250503	10.0000	10.33(Q)
	17 Methyl-tert-butyl ether[MTBE]	73	3.677	3.743	(0.524)	143617	5.00000	4.90(a)
	18 1,1-Dichloroethane (**)	63	4.239	4.255	(0.604)	93090	5.00000	4.74(aQ)
	20 Isopropyl ether	45	4.407	4.463	(0.628)	146657	5.00000	5.10(Q)
	22 Tert-butyl ethyl ether	59	4.979	5.025	(0.709)	182620	5.00000	4.88(aQ)
	21 2,2-Dichloropropane	77	5.117	5.143	(0.729)	128987	5.00000	5.07(QM)
	23 cis-1,2-Dichloroethene	96	5.147	5.163	(0.733)	46325	5.00000	4.22(a)
	24 2-Butanone	43	5.216	5.301	(0.743)	92717	25.0000	28.08(Q)
	25 Bromochloromethane	128	5.502	5.527	(0.784)	27581	5.00000	3.85(a)
	27 Tetrahydrofuran	42	5.630	5.685	(0.802)	4134	5.00000	2.01(aQM)
	26 Chloroform (*)	83	5.679	5.705	(0.809)	132781	5.00000	4.77(a)
M	28 1,2-Dichloroethene (total)	100				89152	10.0000	8.50
$	29 Dibromofluoromethane	111	5.936	5.971	(0.845)	102191	5.00000	4.66(aQ)
	30 1,1,1-Trichloroethane	97	5.906	5.922	(0.841)	131616	5.00000	4.62(aQ)
	31 Carbon Tetrachloride	117	6.182	6.188	(0.881)	118647	5.00000	4.44(aQ)
	32 1,1-Dichloropropene	75	6.202	6.198	(0.883)	90807	5.00000	4.76(aM)
$	33 1,2-Dichloroethane-d4	65	6.448	6.504	(0.919)	93581	5.00000	5.15(Q)
	34 1,2-Dichloroethane-d4 2nd	102	6.468	6.494	(0.921)	7731	5.00000	2.91(aQ)
	35 Benzene	78	6.527	6.543	(0.930)	144520	5.00000	5.12
	36 1,2-Dichloroethane	62	6.596	6.622	(0.940)	113199	5.00000	5.37(Q)
	37 Tert-amyl methyl ether	73	6.813	6.849	(0.971)	181802	5.00000	5.24
*	38 Fluorobenzene	96	7.020	7.046	(1.000)	1668991	50.0000	
	39 Trichloroethene	130	7.661	7.677	(1.091)	74174	5.00000	4.94(a)
	40 1,2-Dichloropropane(*)	63	8.056	8.062	(1.147)	52195	5.00000	4.66(a)
	41 Dibromomethane	93	8.263	8.279	(1.177)	57204	5.00000	5.09
	42 Bromodichloromethane	83	8.578	8.604	(1.222)	142798	5.00000	5.11(Q)
	44 2-Chloroethylvinyl ether	106	9.190	9.226	(1.309)	14161	10.0000	7.19(Q)
	43 1-Bromo-2-chloroethane	63	9.091	9.107	(1.295)	97282	5.00000	5.03(Q)
	45 cis-1,3-Dichloropropene	75	9.397	9.403	(1.339)	96773	5.00000	4.99(a)
	46 4-Methyl-2-pentanone	43	9.752	9.778	(1.389)	250426	25.0000	28.60
$	47 Toluene-d8	98	9.851	9.857	(0.786)	148344	5.00000	4.97(a)
	48 Toluene (*)	91	9.969	9.975	(0.795)	178993	5.00000	5.06(Q)
	49 trans-1,3-Dichloropropene	75	10.452	10.458	(0.834)	87907	5.00000	4.69(a)
	50 1,1,2-Trichloroethane	97	10.778	10.784	(0.860)	56463	5.00000	4.76(a)
	51 Tetrachloroethene	164	10.975	10.971	(0.876)	73732	5.00000	4.92(a)
	52 1,3-Dichloropropane	76	11.044	11.070	(0.881)	101294	5.00000	5.10
	53 2-Hexanone	43	11.300	11.336	(0.902)	198364	25.0000	28.26
	54 Dibromochloromethane	129	11.468	11.474	(0.915)	116920	5.00000	4.89(a)
	55 1,2-Dibromoethane	107	11.626	11.632	(0.928)	93421	5.00000	5.08(Q)
*	56 Chlorobenzene-d5	117	12.533	12.539	(1.000)	1325509	50.0000	
	57 Chlorobenzene (**)	112	12.592	12.598	(1.005)	139023	5.00000	5.05
	58 1,1,1,2-Tetrachloroethane	131	12.789	12.785	(1.020)	84069	5.00000	4.89(a)
	59 Ethylbenzene (*)	106	12.848	12.864	(1.025)	65349	5.00000	4.99(a)
	60 m,p-Xylenes	106	13.085	13.101	(1.044)	166058	10.0000	10.47
	61 o-Xylene	106	13.844	13.841	(1.105)	76722	5.00000	4.87(a)

PH 3/7/01

PH 3/7/01

PH 3/7/01

BOE-C6-0006700

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.874	13.890	(1.107)	126240	5.00000	4.92(a)
M	63 Xylenes (total)	100				242780	15.0000	15.34
	64 Bromoform (**)	173	14.190	14.196	(1.132)	89241	5.00000	4.79(aQ)
	65 Isopropylbenzene	105	14.604	14.600	(1.165)	266906	5.00000	5.19
$	67 4-Bromofluorobenzene	95	14.870	14.876	(0.866)	134509	5.00000	5.14
	66 4-Bromofluorobenzene-2nd	174	14.860	14.876	(0.866)	83110	5.00000	4.96(a)
	68 Bromobenzene	156	15.107	15.113	(0.880)	81570	5.00000	4.86(a)
	69 1,1,2,2-Tetrachloroethane(**)	83	15.245	15.261	(0.888)	102531	5.00000	5.33(Q)
	70 1,2,3-Trichloropropane	110	15.284	15.300	(0.890)	31886	5.00000	4.90(a)
	71 n-Propylbenzene	91	15.432	15.438	(0.899)	303840	5.00000	5.45
	72 2-Chlorotoluene	126	15.531	15.537	(0.905)	58318	5.00000	4.75(aQM)
	73 4-Chlorotoluene	126	15.767	15.764	(0.918)	59150	5.00000	4.80(a)
	74 1,3,5-Trimethylbenzene	105	15.797	15.813	(0.920)	232622	5.00000	5.24
	75 tert-Butylbenzene	119	16.418	16.434	(0.956)	234927	5.00000	5.10
	76 1,2,4-Trimethylbenzene	105	16.546	16.553	(0.964)	234677	5.00000	5.15
	77 sec-Butylbenzene	105	16.882	16.878	(0.983)	303097	5.00000	5.17
	78 1,3-Dichlorobenzene	146	17.020	17.036	(0.991)	128924	5.00000	5.10
*	79 1,4-Dichlorobenzene-d4	152	17.168	17.174	(1.000)	870230	50.0000	(Q)
	80 1,4-Dichlorobenzene	146	17.197	17.233	(1.002)	154396	5.00000	5.42
	81 p-Isopropyltoluene	119	17.207	17.203	(1.002)	258382	5.00000	5.30
	82 1,2-Dichlorobenzene	146	17.947	17.943	(1.045)	135265	5.00000	5.07
	83 n-Butylbenzene	91	18.035	18.042	(1.051)	242055	5.00000	5.20
	84 1,2-Dibromo-3-chloropropane	157	19.574	19.550	(1.140)	31754	5.00000	4.42(a)
	85 1,2,4-Trichlorobenzene	180	21.260	21.256	(1.238)	114261	5.00000	4.96(a)
	86 Hexachlorobutadiene	225	21.674	21.661	(1.263)	96025	5.00000	5.18
	87 Napthalene	128	21.724	21.730	(1.265)	222328	5.00000	5.81
	88 1,2,3-Trichlorobenzene	180	22.236	22.233	(1.295)	116269	5.00000	5.21

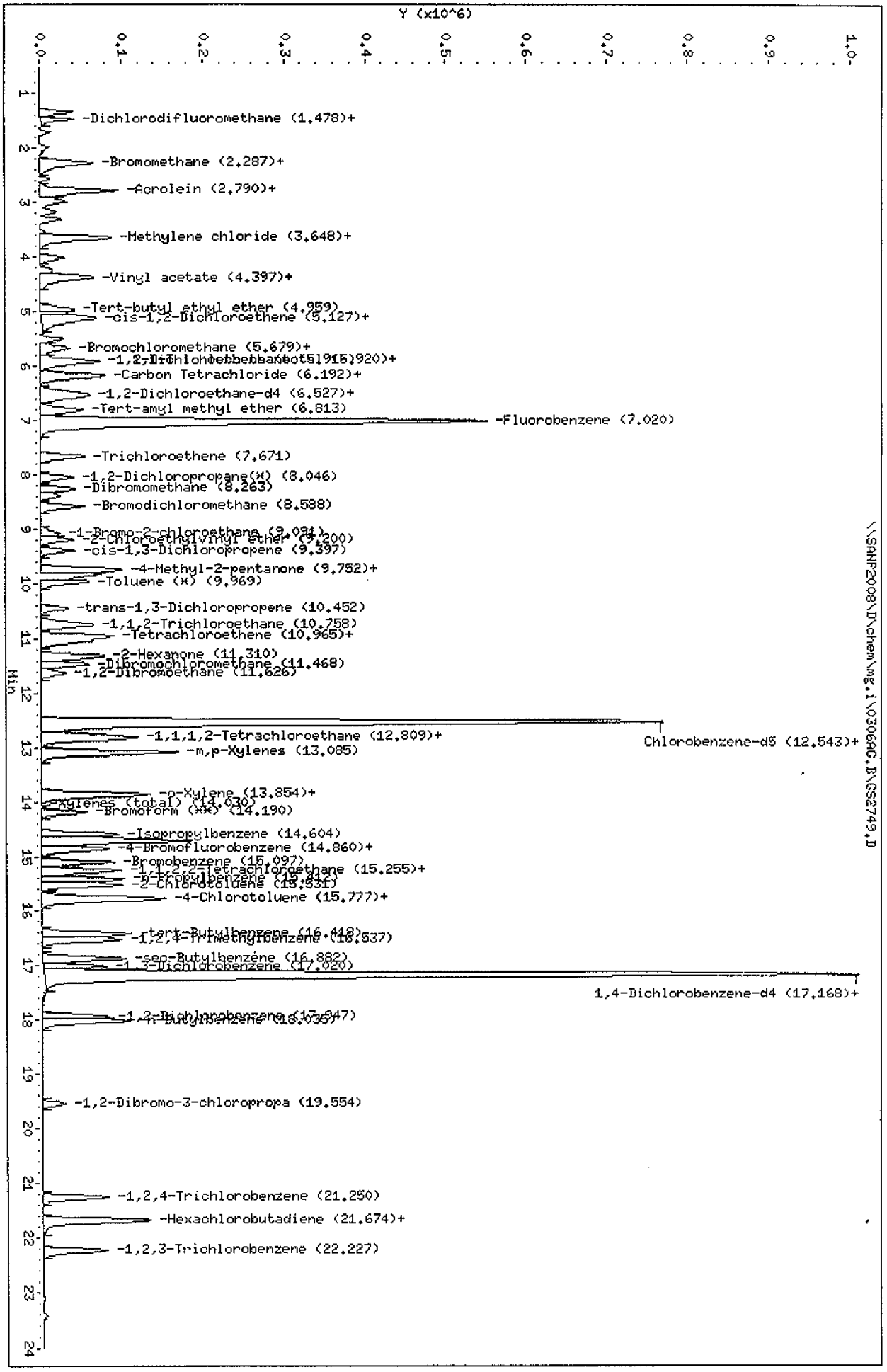
PH 3/20/01

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\SANP2008\D\chem\mg.i\0306AG.B\GS2749.D
Date : 06-MAR-2001 15:43
Client ID:
Sample Info: 5 PPB 8260B,,,1,0,,,8260BGS.M
Column phase: J&W DB-624

Instrument: mg.i
Operator: GFB
Column diameter: 0.53



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BOE-C6-0006702

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\chem\mg.i\0306AG.B\GS2750.D
Lab Smp Id: 400 PPB 8260B
Inj Date : 06-MAR-2001 16:17
Operator : GFB Inst ID: mg.i
Smp Info : 400 PPB 8260B,,,5,0,,,8260BGS.M
Misc Info : 1431-2;28-1;18-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\chem\mg.i\0306AG.B\8260BGS.m
Meth Date : 06-Mar-2001 17:22 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.484	1.484	(0.211)	7693208	400.000	358.1
3 Chloromethane (**)	50	1.790	1.790	(0.254)	1838143	400.000	342.0
2 Vinyl chloride (*)	62	1.721	1.721	(0.244)	2524607	400.000	354.0
4 Bromomethane	94	1.977	1.977	(0.281)	1426280	400.000	286.0
5 Chloroethane	64	2.047	2.047	(0.290)	916606	400.000	225.7
6 Trichlorofluoromethane	101	2.382	2.382	(0.338)	3157981	400.000	107.4(M)
7 Acrolein	56	2.737	2.737	(0.388)	1707403	4000.00	3669(A)
8 1,1-Dichloroethene(*)	96	2.766	2.766	(0.393)	3365414	400.000	353.8
9 1,1,2-Trichlorotrifluoroethan	151	2.786	2.786	(0.395)	6001789	400.000	344.8
10 Acetone	43	2.944	2.944	(0.418)	3061401	2000.00	1492
11 Iodomethane	142	2.924	2.924	(0.415)	14522084	800.000	820.8(A)
12 Carbon disulfide	76	2.973	2.973	(0.422)	7941215	400.000	347.4
13 Methylene chloride	84	3.328	3.328	(0.472)	3692965	400.000	373.8
14 t-Butanol	59	3.733	3.733	(0.530)	2287182	1600.00	1269

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.703	3.703	(0.526)	5277189	4000.00	3429(A)
	15 trans-1,2-Dichloroethene	96	3.654	3.654	(0.519)	4119588	400.000	368.1
	19 Vinyl acetate	43	4.413	4.413	(0.626)	18302243	800.000	675.4(A)
	17 Methyl-tert-butyl ether [MTBE]	73	3.743	3.743	(0.531)	10926326	400.000	333.3
	18 1,1-Dichloroethane (**)	63	4.255	4.255	(0.604)	7916674	400.000	360.9
	20 Isopropyl ether	45	4.463	4.463	(0.633)	11069718	400.000	344.7
	22 Tert-butyl ethyl ether	59	5.025	5.025	(0.713)	14150357	400.000	338.4
	21 2,2-Dichloropropane	77	5.143	5.143	(0.730)	9218305	400.000	324.3
	23 cis-1,2-Dichloroethene	96	5.163	5.163	(0.733)	4342754	400.000	354.1
	24 2-Butanone	43	5.301	5.301	(0.752)	5412409	2000.00	1467
	25 Bromochloromethane	128	5.527	5.527	(0.784)	3006147	400.000	375.4
	27 Tetrahydrofuran	42	5.685	5.685	(0.807)	864479	400.000	376.0
	26 Chloroform (*)	83	5.705	5.705	(0.810)	10896592	400.000	350.4
M	28 1,2-Dichloroethene (total)	100				8462342	800.000	722.2
$	29 Dibromofluoromethane	111	5.971	5.971	(0.847)	7040220	400.000	287.3
	30 1,1,1-Trichloroethane	97	5.922	5.922	(0.840)	10916586	400.000	342.7
	31 Carbon Tetrachloride	117	6.188	6.188	(0.878)	10054582	400.000	336.8
	32 1,1-Dichloropropene	75	6.198	6.198	(0.880)	7017109	400.000	329.1
$	33 1,2-Dichloroethane-d4	65	6.504	6.504	(0.923)	6018277	400.000	296.6
	34 1,2-Dichloroethane-d4 2nd	102	6.494	6.494	(0.922)	1057247	400.000	356.6(Q)
	35 Benzene	78	6.543	6.543	(0.929)	10685079	400.000	338.8
	36 1,2-Dichloroethane	62	6.622	6.622	(0.940)	7714774	400.000	327.2
	37 Tert-amyl methyl ether	73	6.849	6.849	(0.972)	12987205	400.000	334.7
*	38 Fluorobenzene	96	7.046	7.046	(1.000)	1865434	50.0000	
	39 Trichloroethene	130	7.677	7.677	(1.090)	5860986	400.000	349.4
	40 1,2-Dichloropropane(*)	63	8.062	8.062	(1.144)	4482158	400.000	358.4
	41 Dibromomethane	93	8.279	8.279	(1.175)	4073812	400.000	324.5
	42 Bromodichloromethane	83	8.604	8.604	(1.221)	10413685	400.000	333.2
	44 2-Chloroethylvinyl ether	106	9.226	9.226	(1.309)	1712051	800.000	778.2(A)
	43 1-Bromo-2-chloroethane	63	9.107	9.107	(1.293)	7277681	400.000	336.9
	45 cis-1,3-Dichloropropene	75	9.403	9.403	(1.334)	7663889	400.000	353.7
	46 4-Methyl-2-pentanone	43	9.778	9.778	(1.388)	14349218	2000.00	1466
$	47 Toluene-d8	98	9.857	9.857	(0.786)	8637501	400.000	280.5
	48 Toluene (*)	91	9.975	9.975	(0.796)	13092582	400.000	358.8
	49 trans-1,3-Dichloropropene	75	10.458	10.458	(0.834)	7518361	400.000	389.0
	50 1,1,2-Trichloroethane	97	10.784	10.784	(0.860)	4398382	400.000	359.7
	51 Tetrachloroethene	164	10.971	10.971	(0.875)	5440036	400.000	352.3
	52 1,3-Dichloropropane	76	11.070	11.070	(0.883)	7162998	400.000	349.6
	53 2-Hexanone	43	11.336	11.336	(0.904)	11482587	2000.00	1587
	54 Dibromochloromethane	129	11.474	11.474	(0.915)	8608752	400.000	349.5
	55 1,2-Dibromoethane	107	11.632	11.632	(0.928)	6728811	400.000	354.6
*	56 Chlorobenzene-d5	117	12.539	12.539	(1.000)	1366572	50.0000	
	57 Chlorobenzene (**)	112	12.598	12.598	(1.005)	10213610	400.000	359.9
	58 1,1,1,2-Tetrachloroethane	131	12.785	12.785	(1.020)	5884977	400.000	331.8
	59 Ethylbenzene (*)	106	12.864	12.864	(1.026)	4575626	400.000	338.7
	60 m,p-Xylenes	106	13.101	13.101	(1.045)	10689308	800.000	653.8
	61 o-Xylene	106	13.841	13.841	(1.104)	5505603	400.000	339.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.890	13.890	(1.108)	9039943	400.000	341.6
M	63 Xylenes (total)	100				16194911	1200.00	992.9
	64 Bromoform (**)	173	14.196	14.196	(1.132)	6524212	400.000	339.7
	65 Isopropylbenzene	105	14.600	14.600	(1.164)	17507181	400.000	330.1
$	67 4-Bromofluorobenzene	95	14.876	14.876	(0.866)	7484208	400.000	321.5
	66 4-Bromofluorobenzene-2nd	174	14.876	14.876	(0.866)	5036790	400.000	338.0
	68 Bromobenzene	156	15.113	15.113	(0.880)	5940014	400.000	398.3
	69 1,1,2,2-Tetrachloroethane(**)	83	15.261	15.261	(0.889)	6285000	400.000	367.7
	70 1,2,3-Trichloropropane	110	15.300	15.300	(0.891)	2100445	400.000	362.7
	71 n-Propylbenzene	91	15.438	15.438	(0.899)	17746911	400.000	358.0
	72 2-Chlorotoluene	126	15.537	15.537	(0.905)	4224523	400.000	386.9
	73 4-Chlorotoluene	126	15.764	15.764	(0.918)	4154570	400.000	379.1
	74 1,3,5-Trimethylbenzene	105	15.813	15.813	(0.921)	13680409	400.000	346.5
	75 tert-Butylbenzene	119	16.434	16.434	(0.957)	15124364	400.000	369.4
	76 1,2,4-Trimethylbenzene	105	16.553	16.553	(0.964)	14738843	400.000	363.5
	77 sec-Butylbenzene	105	16.878	16.878	(0.983)	19302532	400.000	370.1
	78 1,3-Dichlorobenzene	146	17.036	17.036	(0.992)	8663495	400.000	385.5
*	79 1,4-Dichlorobenzene-d4	152	17.174	17.174	(1.000)	774001	50.0000	
	80 1,4-Dichlorobenzene	146	17.233	17.233	(1.003)	8710226	400.000	344.0
	81 p-Isopropyltoluene	119	17.203	17.203	(1.002)	14407289	400.000	332.1
	82 1,2-Dichlorobenzene	146	17.943	17.943	(1.045)	8746011	400.000	368.9
	83 n-Butylbenzene	91	18.042	18.042	(1.051)	15061481	400.000	363.5
	84 1,2-Dibromo-3-chloropropane	157	19.550	19.550	(1.138)	2767343	400.000	432.6(A)
	85 1,2,4-Trichlorobenzene	180	21.256	21.256	(1.238)	8169449	400.000	399.1
	86 Hexachlorobutadiene	225	21.661	21.661	(1.261)	5390259	400.000	327.2
	87 Napthalene	128	21.730	21.730	(1.265)	11787933	400.000	346.2
	88 1,2,3-Trichlorobenzene	180	22.233	22.233	(1.295)	7381111	400.000	372.1

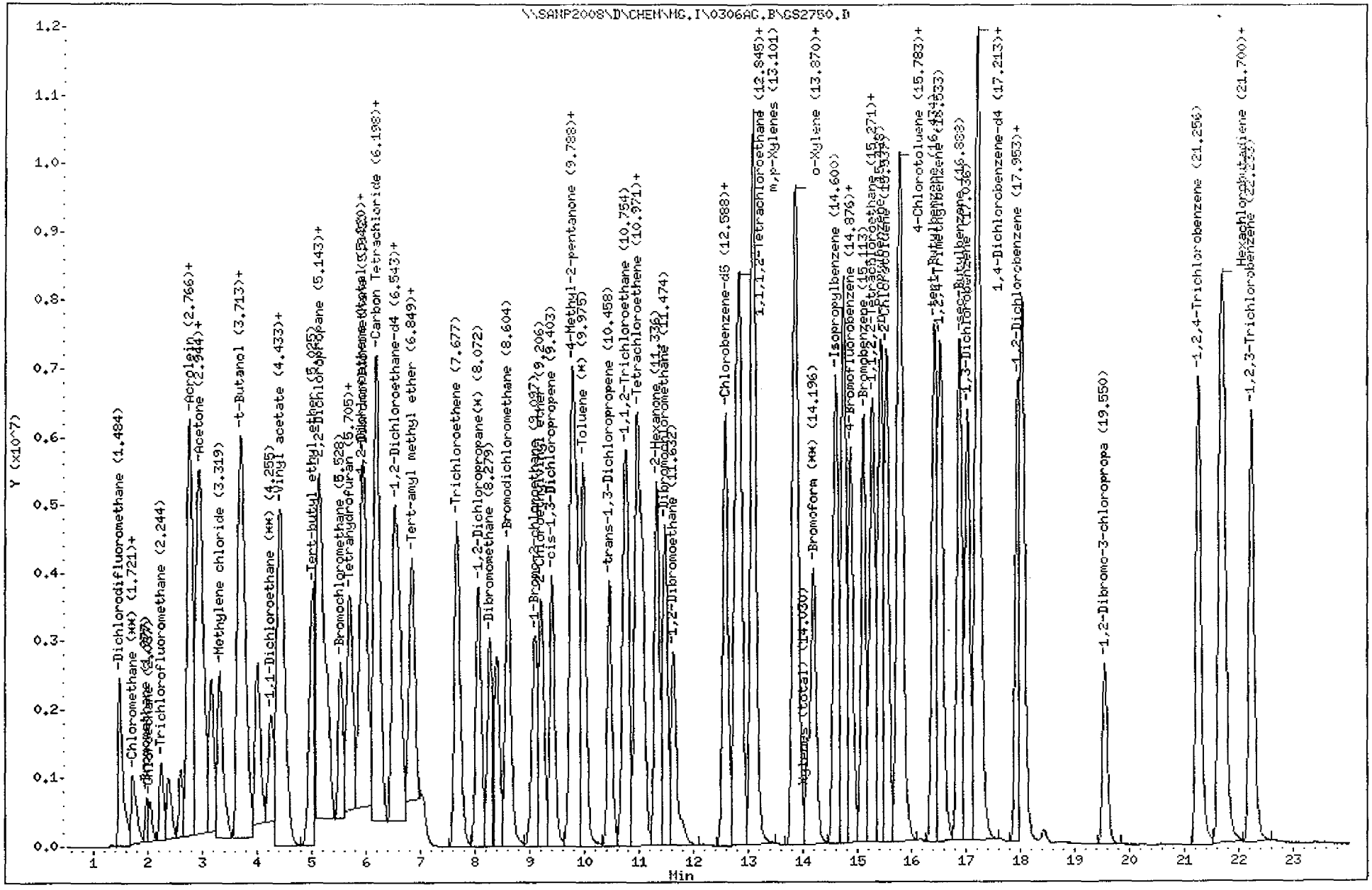
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

BOE-C6-0006705

Data File: \\SANP2008\D\CHEM\MG.I\0306AG.B\GS2750.D
Date : 06-MAR-2001 16:17
Client ID:
Sample Info: 400 PPB 8260B,,,5,0,,,8260BGS.M

Instrument: mg.i
Operator: GFB
Column phase: J&W DB-624
Column diameter: 0.53



8260B SAMPLE / QC DATA

DATE ANALYZED: 3/12/01

INSTRUMENT ID: MSC

SAMPLES: EIC 090309- 1/6

STL Los Angeles

Batch ID: 1072350

GC/MS VOA Run Log

FJK 3/13/01

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☑ 5030B ☐ 5035

Inst ID: MSG | EM Set: 1518 | Tune File: BFB | Seq File: 0312AG

Init. Cal ID: 8260BGS 3-6-01 | Date: 3.12.01

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
8:45	GFB	GT1657	50ng BFB	—	—	1ul	—	—	✓			1403-2
9:01		GS2757	50ppb 8260B STD	1	S	5g	1	160	✓			1431-2; 28-1; 28-2
9:50		G11375	LCS-0312AG	2				181	N			1436-2
10:23		76	MB-0312AG	3				31	N			
10:56		77	MB-0312AG	4				144	✓			T
11:29		78	LCS-0312AG	5				65	N			1436-2
12:41		79	LCS-0312AG	5				204	✓			↓
13:24		80	DW5RK1AD	6				138	✓			E1C080299-18 T
13:57		81	DW5TD1AD	7				175	✓			-41 T
14:30		82	DW32D1AD	8				163	✓			E1C070320-9
15:03		83	DW5RK1AES	9				170	✓			E1C080299-18 S 1436-2
15:36		84	DW5RK1AFD	10				161	✓			1072160 -18D ↓
16:10		85	DW7TV1AA	11				160	✓			E1C090309-1
16:43		86	DW7T41AD	12				153	✓			-2
17:16		87	DW7T71AD	13				145	✓			-3
17:49		88	DW7VC1AD	14				137	✓			-4
18:22		89	DW7VD1AD	15				122	✓			-5
18:55		90	DW7VF1AA	16				127	✓			-6
19:28		91	DW22N1AA	17				112	N			E1C070186-4 NAPH=4
20:01		92	DW22X1AA	18				167	✓			-7
20:33	↓	93	DW222 1AA	19	↓	↓	↓	155	N			-8 1,2,4 TM-02 = 900

STL Los Angeles
BOE-C6-0006708
123

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA03225

Lab File ID (Standard): GS2757 Date Analyzed: 03/12/01

Instrument ID: MG Time Analyzed: 0901

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

		IS1 AREA #	RT	IS2(CBZ) AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	1602806	7.05	1430194	12.56	983272	17.19
	UPPER LIMIT	3205612	7.55	2860388	13.06	1966544	17.69
	LOWER LIMIT	801403	6.55	715097	12.06	491636	16.69
	EPA SAMPLE NO.						
01	G11375	1213120	7.04	1275073	12.56	910898	17.20
02	G11376	313783*	7.09	197781*	12.57	69481*	17.20
03	G11377	1447841	7.10	1187204	12.57	770066	17.19
04	G11378	657032*	7.10	448619*	12.57	233342*	17.20
05	G11379	2046450	7.05	1772566	12.55	1195447	17.20
06	G11380	1382118	7.04	1432164	12.56	924254	17.20
07	G11381	1754138	7.08	1498048	12.57	984241	17.20
08	G11382	1630332	7.07	1409893	12.57	913537	17.20
09	G11383	1706573	7.07	1442863	12.56	991287	17.19
10	G11384	1611066	7.08	1402103	12.57	964573	17.21
11	G11385	1601981	7.08	1379752	12.57	865968	17.21
12	G11386	1533146	7.07	1310115	12.58	832415	17.20
13	G11387	1459727	7.07	1215039	12.57	772770	17.19
14	G11388	1373650	7.07	1119497	12.57	682559	17.20
15	G11389	1224446	7.12	1014750	12.58	660757	17.21
16	G11390	1272668	7.09	1036915	12.57	671037	17.20
17	G11391	1325071	7.09	1194637	12.58	823567	17.21
18	G11392	1670432	7.08	1388091	12.57	953088	17.20
19	G11393	1552987	7.07	1237150	12.58	480416*	17.26
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

STL Los Angeles

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\GT1657.D
Lab Smp Id:
Inj Date : 12-MAR-2001 08:45
Operator : GFB Inst ID: mg.i
Smp Info : 50ng bfb,,,,,,bfb.M
Misc Info : 1403-2,,,3,all.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\BFB.M
Meth Date : 23-May-2000 08:19 gradyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * Vf * VI

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 Bromofluorobenzene						CAS #: 460-00-4		
1.7634	1.8000	(0.000)	95	76069			0.00- 100.00	100.00
1.7634	1.8000	(0.000)	50	15995			15.00- 40.00	21.03
1.7634	1.8000	(0.000)	75	43026			30.00- 60.00	56.56
1.7634	1.8000	(0.000)	96	5816			5.00- 9.00	7.65
1.7634	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7634	1.8000	(0.000)	174	61653			50.00- 0.00	81.05
1.7634	1.8000	(0.000)	175	4677			5.00- 9.00	7.59
1.7634	1.8000	(0.000)	176	61114			95.00- 101.00	99.13
1.7634	1.8000	(0.000)	177	4523			5.00- 9.00	7.40

BOE-C6-0006710

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\GT1657.D

Date : 12-MAR-2001 08:45

Client ID:

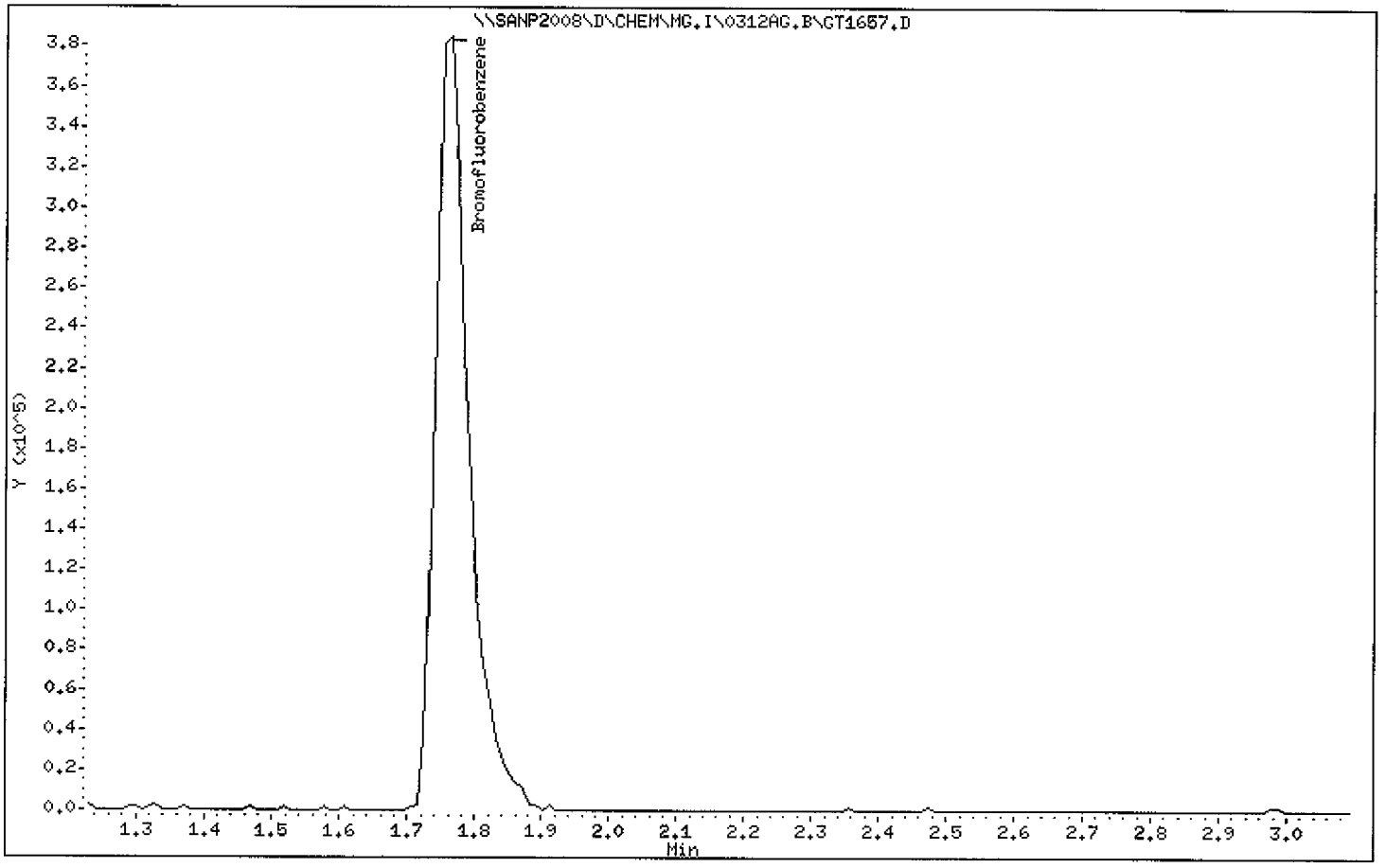
Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



BOE-C6-0006711

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\GT1657.D

Date : 12-MAR-2001 08:45

Client ID:

Instrument: mg.i

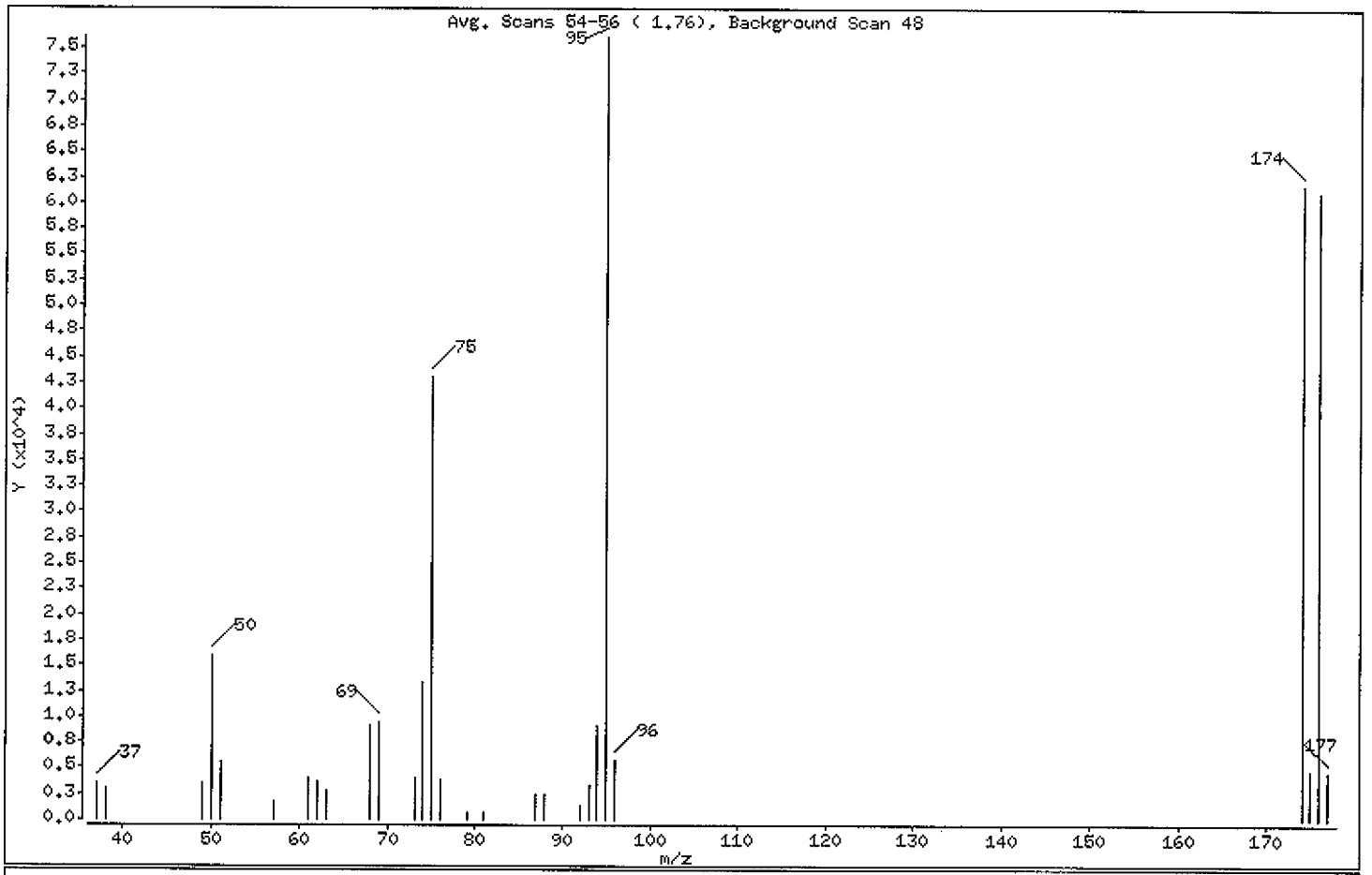
Sample Info: 50ng bfb,,,,,,bfb.M

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.03
75	30.00 - 60.00% of mass 95	56.56
96	5.00 - 9.00% of mass 95	7.65
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	81.05
175	5.00 - 9.00% of mass 174	6.15 (7.59)
176	95.00 - 101.00% of mass 174	80.34 (99.13)
177	5.00 - 9.00% of mass 176	5.95 (7.40)

PN 3/13/01

BOE-C6-0006712

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\GT1657.D

Date : 12-MAR-2001 08:45

Client ID:

Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Data File: GT1657.D
Spectrum: Avg. Scans 54-56 (1.76), Background Scan 48
Location of Maximum: 95.00
Number of points: 28

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	3435	63.00	2853	81.00	698	174.00	61648
38.00	2959	68.00	9057	87.00	2404	175.00	4677
49.00	3548	69.00	9492	88.00	2487	176.00	61112
50.00	15995	73.00	4025	92.00	1479	177.00	4523
51.00	5524	74.00	13229	93.00	3362		
57.00	1827	75.00	43024	94.00	9008		
61.00	3977	76.00	3907	95.00	76064		
62.00	3723	79.00	726	96.00	5816		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2757.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m

Injection Date: 12-MAR-2001 09:01
Init. Cal. Date(s): 06-MAR-2001 06-MAR-2001
Init. Cal. Times: 11:32 16:17
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	0.57577	0.19543	0.010	-66.1	50.0	<-
	3 Chloromethane (**)	0.14371	0.12294	0.100	-14.5	50.0	
	2 Vinyl chloride (*)	0.19114	0.15922	0.010	-16.7	20.0	
	4 Bromomethane	0.13367	0.13589	0.010	1.7	50.0	
	5 Chloroethane	0.10884	0.10444	0.010	-4.0	50.0	
	6 Trichlorofluoromethane	0.78808	0.79890	0.010	1.4	50.0	
	7 Acrolein	0.01231	0.01384	0.001	12.5	50.0	
	8 1,1-Dichloroethene(*)	0.25498	0.26570	0.010	4.2	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.46654	0.48572	0.010	4.1	50.0	
	10 Acetone	0.05494	0.05407	0.010	-1.6	50.0	
	11 Iodomethane	0.47422	0.43038	0.001	-9.2	50.0	
	12 Carbon disulfide	0.61276	0.63670	0.010	3.9	50.0	
	13 Methylene chloride	0.26478	0.27483	0.010	3.8	50.0	
	14 t-Butanol	0.04831	0.05412	0.001	12.0	20.0	
	16 Acrylonitrile	0.04125	0.04759	0.001	15.4	20.0	
	15 trans-1,2-Dichloroethene	0.29997	0.32683	0.010	9.0	50.0	
	19 Vinyl acetate	0.72593	0.78752	0.010	8.5	50.0	
	17 Methyl-tert-butyl ether[MTB	0.87871	0.91882	0.010	4.6	50.0	
	18 1,1-Dichloroethane (**)	0.58802	0.61488	0.100	4.6	50.0	
	20 Isopropyl ether	0.86072	0.91591	0.010	6.4	20.0	
	22 Tert-butyl ethyl ether	1.12082	1.12394	0.010	0.3	20.0	
	21 2,2-Dichloropropane	0.76192	0.75837	0.010	-0.5	50.0	
	23 cis-1,2-Dichloroethene	0.32874	0.35577	0.010	8.2	50.0	
	24 2-Butanone	0.09876	0.11092	0.010	12.3	50.0	
	25 Bromochloromethane	0.21461	0.24400	0.010	13.7	50.0	
	27 Tetrahydrofuran	0.06198	0.08928	0.010	44.0	50.0	
	26 Chloroform (*)	0.83348	0.90216	0.010	8.2	20.0	
M	28 1,2-Dichloroethene (total)	0.31436	0.34130	0.010	8.6	50.0	
$	29 Dibromofluoromethane	0.65682	0.70007	0.010	6.6	50.0	
	30 1,1,1-Trichloroethane	0.85389	0.94173	0.010	10.3	50.0	
	31 Carbon Tetrachloride	0.80015	0.87793	0.010	9.7	50.0	
	32 1,1-Dichloropropene	0.57151	0.62210	0.010	8.9	50.0	
$	33 1,2-Dichloroethane-d4	0.54386	0.57150	0.010	5.1	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.07946	0.10282	0.010	29.4	50.0	
	35 Benzene	0.84521	0.92253	0.010	9.1	50.0	

PN
3/13/01

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i Injection Date: 12-MAR-2001 09:01
Lab File ID: GS2757.D Init. Cal. Date(s): 06-MAR-2001 06-MAR-2001
Analysis Type: SOIL Init. Cal. Times: 11:32 16:17
Lab Sample ID: 50 PPB 8260B Quant Type: ISTD
Method: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.63196	0.63353	0.010	0.2	50.0	
	37 Tert-amyl methyl ether	1.03992	1.10356	0.010	6.1	20.0	
	39 Trichloroethene	0.44958	0.52440	0.010	16.6	50.0	
	40 1,2-Dichloropropane(*)	0.33521	0.36872	0.010	10.0	20.0	
	41 Dibromomethane	0.33653	0.35261	0.010	4.8	50.0	
	42 Bromodichloromethane	0.83782	0.91020	0.010	8.6	50.0	
	44 2-Chloroethylvinyl ether	0.05897	0.07179	0.010	21.8	20.0	<-
	43 1-Bromo-2-chloroethane	0.57893	0.60032	0.010	3.7	50.0	
	45 cis-1,3-Dichloropropene	0.58075	0.63373	0.010	9.1	50.0	
	46 4-Methyl-2-pentanone	0.26228	0.31421	0.010	19.8	50.0	
$	47 Toluene-d8	1.12663	1.23573	0.010	9.7	50.0	
	48 Toluene (*)	1.33502	1.33759	0.010	0.2	20.0	
	49 trans-1,3-Dichloropropene	0.70668	0.68166	0.010	-3.5	50.0	
	50 1,1,2-Trichloroethane	0.44734	0.46328	0.010	3.6	50.0	
	51 Tetrachloroethene	0.56503	0.59550	0.010	5.4	50.0	
	52 1,3-Dichloropropane	0.74961	0.73800	0.010	-1.5	50.0	
	53 2-Hexanone	0.26477	0.27867	0.010	5.2	50.0	
	54 Dibromochloromethane	0.90122	0.94068	0.010	4.4	50.0	
	55 1,2-Dibromoethane	0.69432	0.69491	0.010	0.1	50.0	
	57 Chlorobenzene (**)	1.03819	1.07224	0.300	3.3	50.0	
	58 1,1,1,2-Tetrachloroethane	0.64887	0.69035	0.010	6.4	50.0	
	59 Ethylbenzene (*)	0.49504	0.52145	0.010	5.3	20.0	
	60 m,p-Xylenes	0.59816	0.63368	0.010	5.9	50.0	
	61 o-Xylene	0.59416	0.62578	0.010	5.3	50.0	
	62 Styrene	0.96824	1.01198	0.010	4.5	50.0	
M	63 Xylenes (total)	0.59683	0.63105	0.010	5.7	50.0	
	64 Bromoform (**)	0.70265	0.75644	0.100	7.7	50.0	
	65 Isopropylbenzene	1.94022	2.01421	0.010	3.8	50.0	
$	67 4-Bromofluorobenzene	1.50373	1.47303	0.010	-2.0	50.0	
	66 4-Bromofluorobenzene-2nd	0.96278	1.00310	0.010	4.2	50.0	
	68 Bromobenzene	0.96340	0.97426	0.010	1.1	50.0	
	69 1,1,2,2-Tetrachloroethane(*	1.10427	1.08554	0.300	-1.7	50.0	
	70 1,2,3-Trichloropropane	0.37409	0.39205	0.010	4.8	50.0	
	71 n-Propylbenzene	3.20184	3.10099	0.010	-3.1	50.0	
	72 2-Chlorotoluene	0.70531	0.70679	0.010	0.2	50.0	
	73 4-Chlorotoluene	0.70786	0.74860	0.010	5.8	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i Injection Date: 12-MAR-2001 09:01
Lab File ID: GS2757.D Init. Cal. Date(s): 06-MAR-2001 06-MAR-2001
Analysis Type: SOIL Init. Cal. Times: 11:32 16:17
Lab Sample ID: 50 PPB 8260B Quant Type: ISTD
Method: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.55061	2.55034	0.010	-0.0	50.0
75 tert-Butylbenzene	2.64494	2.63682	0.010	-0.3	50.0
76 1,2,4-Trimethylbenzene	2.61951	2.59446	0.010	-1.0	50.0
77 sec-Butylbenzene	3.36948	3.34982	0.010	-0.6	50.0
78 1,3-Dichlorobenzene	1.45170	1.47579	0.010	1.7	50.0
80 1,4-Dichlorobenzene	1.63556	1.61703	0.010	-1.1	50.0
81 p-Isopropyltoluene	2.80252	2.82192	0.010	0.7	50.0
82 1,2-Dichlorobenzene	1.53170	1.55393	0.010	1.5	50.0
83 n-Butylbenzene	2.67665	2.61829	0.010	-2.2	50.0
84 1,2-Dibromo-3-chloropropane	0.41324	0.43091	0.010	4.3	50.0
85 1,2,4-Trichlorobenzene	1.32220	1.28819	0.010	-2.6	50.0
86 Hexachlorobutadiene	1.06412	0.93786	0.010	-11.9	50.0
87 Napthalene	2.19976	2.03984	0.010	-7.3	50.0
88 1,2,3-Trichlorobenzene	1.28142	1.23150	0.010	-3.9	50.0

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\GS2757.D
Lab Smp Id: 50 PPB 8260B
Inj Date : 12-MAR-2001 09:01
Operator : GFB Inst ID: mg.i
Smp Info : 50 PPB 8260B,,,3,0,,,8260BGS.M
Misc Info : 1431-2;28-1;28-2,,5,,2,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 09:26 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.493	1.493	(0.212)	313244	50.0000	16.97
3 Chloromethane (**)	50	1.739	1.739	(0.247)	197053	50.0000	42.77(Q)
2 Vinyl chloride (*)	62	1.720	1.720	(0.244)	255204	50.0000	41.65(Q)
4 Bromomethane	94	1.996	1.996	(0.283)	217801	50.0000	50.83(Q)
5 Chloroethane	64	2.075	2.075	(0.294)	167396	50.0000	47.98
6 Trichlorofluoromethane	101	2.311	2.311	(0.328)	1280487	50.0000	50.69
7 Acrolein	56	2.716	2.716	(0.385)	221874	500.000	562.3(AQ)
8 1,1-Dichloroethene(*)	96	2.804	2.804	(0.398)	425863	50.0000	52.10
9 1,1,2-Trichlorotrifluoroethan	151	2.814	2.814	(0.399)	778519	50.0000	52.06
10 Acetone	43	2.883	2.883	(0.409)	433347	250.000	246.1
11 Iodomethane	142	2.952	2.952	(0.418)	1379643	100.000	90.76
12 Carbon disulfide	76	3.021	3.021	(0.428)	1020502	50.0000	51.95
13 Methylene chloride	84	3.337	3.337	(0.473)	440495	50.0000	51.90
14 t-Butanol	59	3.603	3.603	(0.511)	346969	200.000	224.0(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.672	3.672	(0.521)	762782	500.000	576.9(A)
	15 trans-1,2-Dichloroethene	96	3.682	3.682	(0.522)	523848	50.0000	54.48
	19 Vinyl acetate	43	4.402	4.402	(0.624)	2524474	100.000	108.5(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.712	3.712	(0.526)	1472686	50.0000	52.28
	18 1,1-Dichloroethane (**)	63	4.284	4.284	(0.607)	985537	50.0000	52.28
	20 Isopropyl ether	45	4.441	4.441	(0.630)	1468032	50.0000	53.21
	22 Tert-butyl ethyl ether	59	5.013	5.013	(0.711)	1801462	50.0000	50.14
	21 2,2-Dichloropropane	77	5.132	5.132	(0.727)	1215519	50.0000	49.77
	23 cis-1,2-Dichloroethene	96	5.171	5.171	(0.733)	570233	50.0000	54.11
	24 2-Butanone	43	5.260	5.260	(0.746)	888929	250.000	280.8
	25 Bromochloromethane	128	5.546	5.546	(0.786)	391091	50.0000	56.85
	27 Tetrahydrofuran	42	5.664	5.664	(0.803)	143097	50.0000	72.02(Q)
	26 Chloroform (*)	83	5.713	5.713	(0.810)	1445988	50.0000	54.12
M	28 1,2-Dichloroethene (total)	100				1094081	100.000	108.6
$	29 Dibromofluoromethane	111	5.970	5.970	(0.846)	1122077	50.0000	53.29
	30 1,1,1-Trichloroethane	97	5.940	5.940	(0.842)	1509405	50.0000	55.14
	31 Carbon Tetrachloride	117	6.216	6.216	(0.881)	1407151	50.0000	54.86
	32 1,1-Dichloropropene	75	6.226	6.226	(0.883)	997103	50.0000	54.42
$	33 1,2-Dichloroethane-d4	65	6.492	6.492	(0.920)	916008	50.0000	52.54
	34 1,2-Dichloroethane-d4 2nd	102	6.502	6.502	(0.922)	164799	50.0000	64.70
	35 Benzene	78	6.561	6.561	(0.930)	1478631	50.0000	54.57
	36 1,2-Dichloroethane	62	6.631	6.631	(0.940)	1015425	50.0000	50.12(Q)
	37 Tert-amyl methyl ether	73	6.857	6.857	(0.972)	1768795	50.0000	53.06(Q)
*	38 Fluorobenzene	96	7.055	7.055	(1.000)	1602806	50.0000	
	39 Trichloroethene	130	7.696	7.696	(1.091)	840514	50.0000	58.32
	40 1,2-Dichloropropane(*)	63	8.080	8.080	(1.145)	590981	50.0000	55.00
	41 Dibromomethane	93	8.297	8.297	(1.176)	565162	50.0000	52.39
	42 Bromodichloromethane	83	8.613	8.613	(1.221)	1458876	50.0000	54.32
	44 2-Chloroethylvinyl ether	106	9.224	9.224	(1.308)	230142	100.000	121.8(AQ)
	43 1-Bromo-2-chloroethane	63	9.126	9.126	(1.294)	962202	50.0000	51.85
	45 cis-1,3-Dichloropropene	75	9.421	9.421	(1.335)	1015743	50.0000	54.56
	46 4-Methyl-2-pentanone	43	9.776	9.776	(1.386)	2518101	250.000	299.5
$	47 Toluene-d8	98	9.885	9.885	(0.787)	1767334	50.0000	54.84
	48 Toluene (*)	91	9.993	9.993	(0.796)	1913007	50.0000	50.10
	49 trans-1,3-Dichloropropene	75	10.477	10.477	(0.834)	974912	50.0000	48.23
	50 1,1,2-Trichloroethane	97	10.782	10.782	(0.859)	662579	50.0000	51.78
	51 Tetrachloroethene	164	10.989	10.989	(0.875)	851685	50.0000	52.70
	52 1,3-Dichloropropane	76	11.078	11.078	(0.882)	1055480	50.0000	49.22
	53 2-Hexanone	43	11.334	11.334	(0.903)	1992758	250.000	263.1
	54 Dibromochloromethane	129	11.492	11.492	(0.915)	1345358	50.0000	52.19
	55 1,2-Dibromoethane	107	11.650	11.650	(0.928)	993854	50.0000	50.04(Q)
*	56 Chlorobenzene-d5	117	12.557	12.557	(1.000)	1430194	50.0000	
	57 Chlorobenzene (**)	112	12.607	12.607	(1.004)	1533510	50.0000	51.64
	58 1,1,1,2-Tetrachloroethane	131	12.804	12.804	(1.020)	987330	50.0000	53.20
	59 Ethylbenzene (*)	106	12.873	12.873	(1.025)	745771	50.0000	52.67
	60 m,p-Xylenes	106	13.119	13.119	(1.045)	1812564	100.000	105.9
	61 o-Xylene	106	13.879	13.879	(1.105)	894990	50.0000	52.66

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.908	13.908	(1.108)	1447323	50.0000	52.26
M	63 Xylenes (total)	100				2707555	150.000	158.6
	64 Bromoform (**)	173	14.214	14.214	(1.132)	1081860	50.0000	53.83
	65 Isopropylbenzene	105	14.618	14.618	(1.164)	2880711	50.0000	51.91
$	67 4-Bromofluorobenzene	95	14.885	14.885	(0.866)	1448392	50.0000	48.98
	66 4-Bromofluorobenzene-2nd	174	14.885	14.885	(0.866)	986320	50.0000	52.09
	68 Bromobenzene	156	15.131	15.131	(0.880)	957959	50.0000	50.56
	69 1,1,2,2-Tetrachloroethane(**)	83	15.269	15.269	(0.888)	1067377	50.0000	49.15
	70 1,2,3-Trichloropropane	110	15.299	15.299	(0.890)	385493	50.0000	52.40(Q)
	71 n-Propylbenzene	91	15.447	15.447	(0.898)	3049114	50.0000	48.42
	72 2-Chlorotoluene	126	15.555	15.555	(0.905)	694969	50.0000	50.10
	73 4-Chlorotoluene	126	15.792	15.792	(0.919)	736078	50.0000	52.88
	74 1,3,5-Trimethylbenzene	105	15.841	15.841	(0.921)	2507675	50.0000	49.99
	75 tert-Butylbenzene	119	16.462	16.462	(0.958)	2592709	50.0000	49.85
	76 1,2,4-Trimethylbenzene	105	16.571	16.571	(0.964)	2551063	50.0000	49.52
	77 sec-Butylbenzene	105	16.916	16.916	(0.984)	3293789	50.0000	49.71
	78 1,3-Dichlorobenzene	146	17.054	17.054	(0.992)	1451101	50.0000	50.83
*	79 1,4-Dichlorobenzene-d4	152	17.192	17.192	(1.000)	983272	50.0000	
	80 1,4-Dichlorobenzene	146	17.241	17.241	(1.003)	1589977	50.0000	49.43
	81 p-Isopropyltoluene	119	17.232	17.232	(1.002)	2774715	50.0000	50.35
	82 1,2-Dichlorobenzene	146	17.971	17.971	(1.045)	1527933	50.0000	50.72
	83 n-Butylbenzene	91	18.070	18.070	(1.051)	2574495	50.0000	48.91
	84 1,2-Dibromo-3-chloropropane	157	19.579	19.579	(1.139)	423697	50.0000	52.14
	85 1,2,4-Trichlorobenzene	180	21.275	21.275	(1.237)	1266639	50.0000	48.71
	86 Hexachlorobutadiene	225	21.699	21.699	(1.262)	922174	50.0000	44.07
	87 Napthalene	128	21.748	21.748	(1.265)	2005714	50.0000	46.36
	88 1,2,3-Trichlorobenzene	180	22.251	22.251	(1.294)	1210902	50.0000	48.05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2757.D
Lab Smp Id: 50 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: 1431-2;28-1;28-2,,5,,2,1-8260B.SUB

Calibration Date: 12-MAR-2001
Calibration Time: 09:01

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1602806	0.00
56 Chlorobenzene-d5	1430194	715097	2860388	1430194	0.00
79 1,4-Dichlorobenze	983272	491636	1966544	983272	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.05	0.00
56 Chlorobenzene-d5	12.56	12.06	13.06	12.56	0.00
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.19	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2008\D\CHEM\MG.I\0312AG.B/GS2757.D
Inj. Date : 12-MAR-2001 09:01

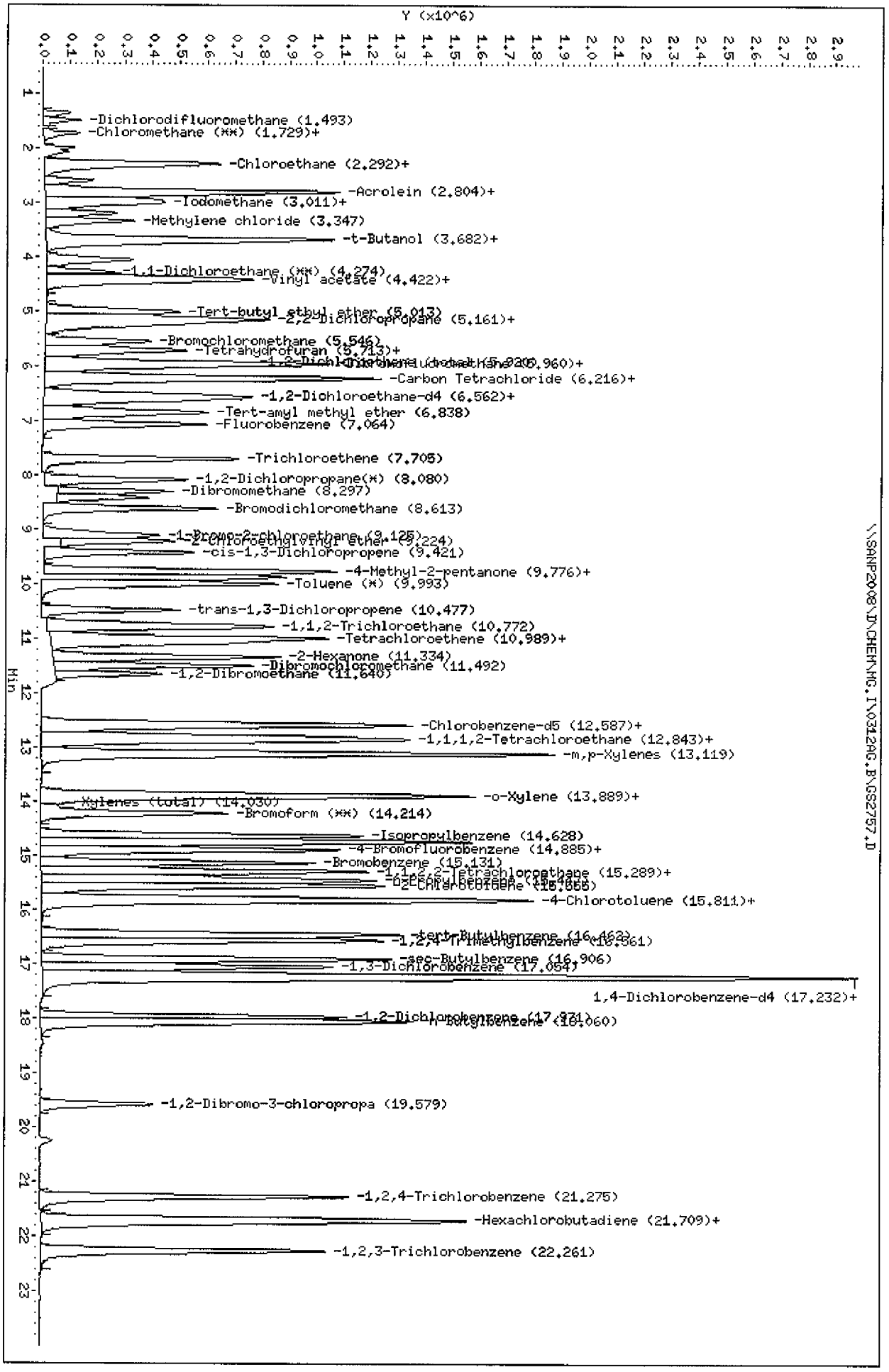
ICAL Mid Point : //SANP2008/D/chem/mg.i/0306AG.B/GS2746.D
Inj. Date : 06-MAR-2001 12:40

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	7.04	7.05	-0.01	1587800	1602806	100.9%
Chlorobenzene-d5	12.53	12.56	-0.03	1214071	1430194	117.8%
1,4-Dichlorobenzene-d4	17.15	17.19	-0.04	854503	983272	115.1%

8260B Area difference criteria: 50%-200%

Data File: \\SANP2008\D\CHEM\MC,IV\0312AG,B\GS2757,D
Date : 12-MAR-2001 09:01
Client ID:
Sample Info: 50 PPB 8260B,,3,0,,8260BGS,M
Column phase: J&W DB-624

Instrument: mg,i
Operator: GFB
Column diameter: 0.53



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STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11379.D
Lab Smp Id: LCS-0312AG Client Smp ID: G11379
Inj Date : 12-MAR-2001 12:41
Operator : GFB Inst ID: mg.i
Smp Info : LCS-0312AG,LCS,2,,0,1,0,8260BGS.M,G11379
Misc Info : 1436-2,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 12:51 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.808	2.804	(0.398)	525949	50.3979	50.40
$ 29 Dibromofluoromethane	111	5.964	5.970	(0.846)	1167787	43.4393	43.44
$ 33 1,2-Dichloroethane-d4	65	6.477	6.492	(0.919)	931777	41.8594	41.86
34 1,2-Dichloroethane-d4 2nd	102	6.487	6.502	(0.920)	160415	49.3275	49.33
35 Benzene	78	6.546	6.561	(0.929)	1490150	43.0758	43.08
* 38 Fluorobenzene	96	7.048	7.055	(1.000)	2046450	50.0000	
39 Trichloroethene	130	7.680	7.696	(1.090)	951678	51.7191	51.72
$ 47 Toluene-d8	98	9.859	9.885	(0.786)	2134345	53.4381	53.44
48 Toluene (*)	91	9.987	9.993	(0.796)	2267193	47.9037	47.90
* 56 Chlorobenzene-d5	117	12.551	12.557	(1.000)	1772566	50.0000	
57 Chlorobenzene (**)	112	12.610	12.607	(1.005)	1799243	48.8856	48.88
$ 67 4-Bromofluorobenzene	95	14.888	14.885	(0.866)	1802874	50.1458	50.14
66 4-Bromofluorobenzene-2nd	174	14.888	14.885	(0.866)	1176611	51.1148	51.11
* 79 1,4-Dichlorobenzene-d4	152	17.196	17.192	(1.000)	1195447	50.0000	

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11379.D
Lab Smp Id: LCS-0312AG
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: 1436-2,,5,,3,SPK.SUB,SH.SPK

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11379
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	2046450	27.68
56 Chlorobenzene-d5	1430194	715097	2860388	1772566	23.94
79 1,4-Dichlorobenze	983272	491636	1966544	1195447	21.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.05	-0.09
56 Chlorobenzene-d5	12.56	12.06	13.06	12.55	-0.05
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.20	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

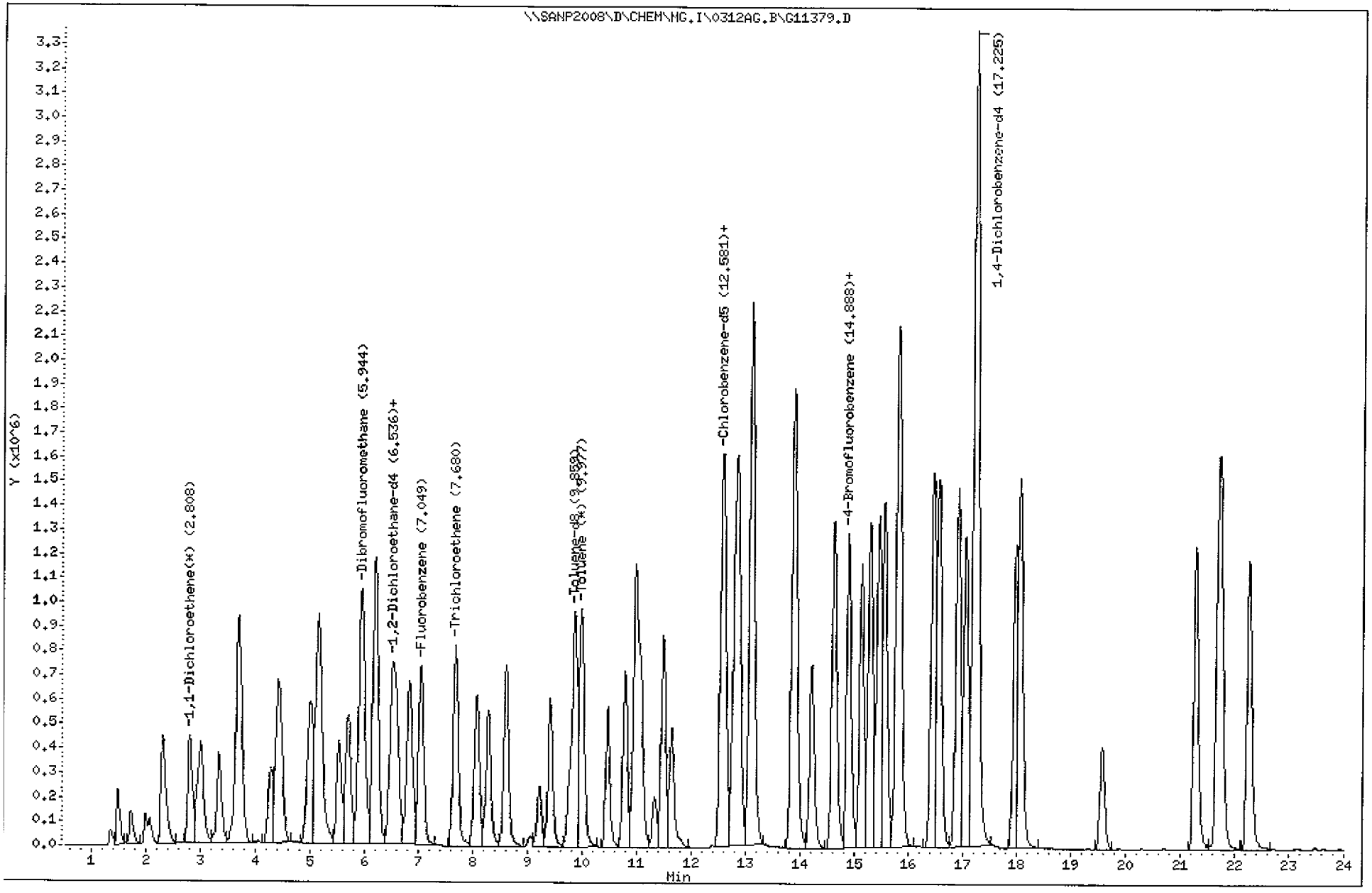
Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11379.D
Date : 12-MAR-2001 12:41
Client ID: G11379
Sample Info: LCS-0312AG,LCS,2,,0,1,0,8260BGS.M,G11379

Instrument: mg.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



BOE-C6-0006725

STL Los Angeles

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VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11377.D
Lab Smp Id: MB-0312AG Client Smp ID: G11377
Inj Date : 12-MAR-2001 10:56
Operator : GFB Inst ID: mg.i
Smp Info : MB-0312AG,BLANK,2,,0,1,0,8260BGS.M,G11377
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 10:25 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	6.012	5.970	(0.847)	923896	48.5761	48.58
$ 33 1,2-Dichloroethane-d4	65	6.524	6.492	(0.919)	692238	43.9559	43.96
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.502	(0.919)	107192	46.5896	46.59
* 38 Fluorobenzene	96	7.096	7.055	(1.000)	1447841	50.0000	
$ 47 Toluene-d8	98	9.897	9.885	(0.787)	1431370	53.5076	53.51
* 56 Chlorobenzene-d5	117	12.570	12.557	(1.000)	1187204	50.0000	
$ 67 4-Bromofluorobenzene	95	14.897	14.885	(0.866)	1104778	47.7031	47.70
66 4-Bromofluorobenzene-2nd	174	14.897	14.885	(0.866)	698070	47.0777	47.08
* 79 1,4-Dichlorobenzene-d4	152	17.195	17.192	(1.000)	770066	50.0000	

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11377.D
Lab Smp Id: MB-0312AG
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: ,,5,,3,1-8260B.SUB

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11377
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1447841	-9.67
56 Chlorobenzene-d5	1430194	715097	2860388	1187204	-16.99
79 1,4-Dichlorobenze	983272	491636	1966544	770066	-21.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.10	0.59
56 Chlorobenzene-d5	12.56	12.06	13.06	12.57	0.10
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.19	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

BOE-C6-0006727

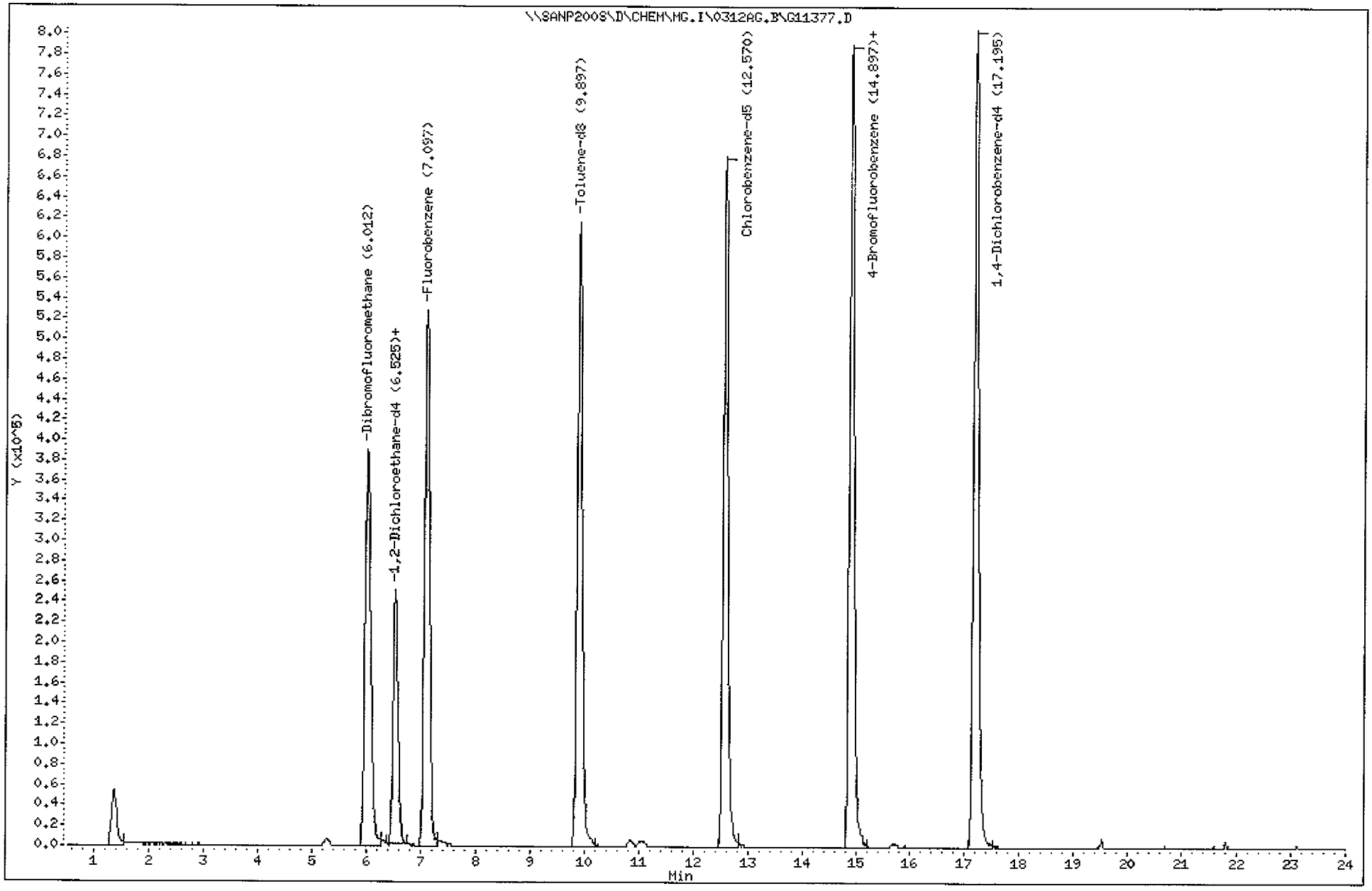
Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11377.D
Date : 12-MAR-2001 10:56
Client ID: G11377
Sample Info: MB-0312AG,BLANK,2,,0,1,0,8260BGS,M,G11377

Instrument: mg.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11377.D

Date : 12-MAR-2001 10:56

Client ID: G11377

Instrument: mg.i

Sample Info: MB-0312AG,BLANK,2,,0,1,0,8260BGS.M,G11377

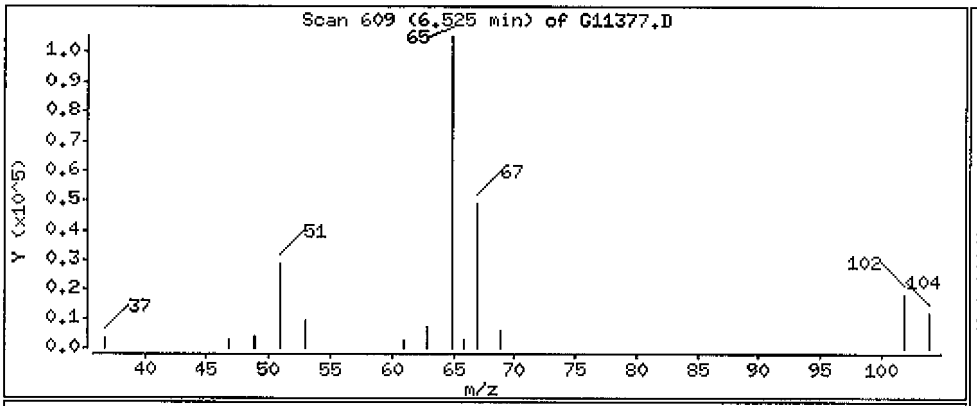
Operator: GFB

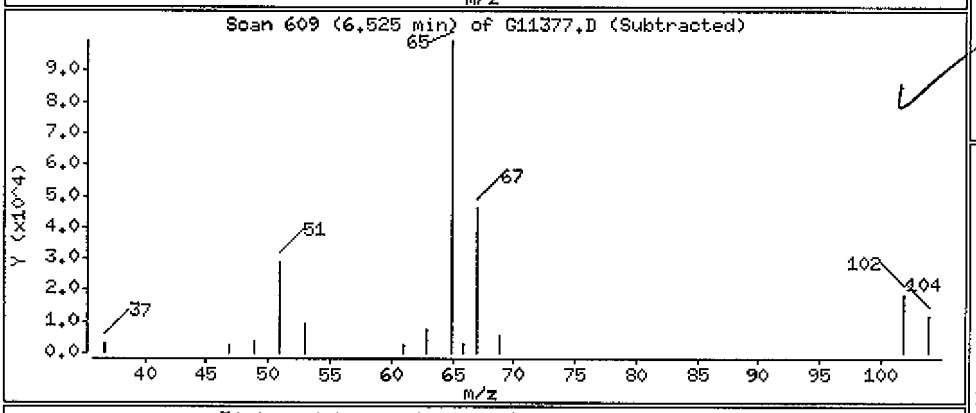
Column phase: J&W DB-624

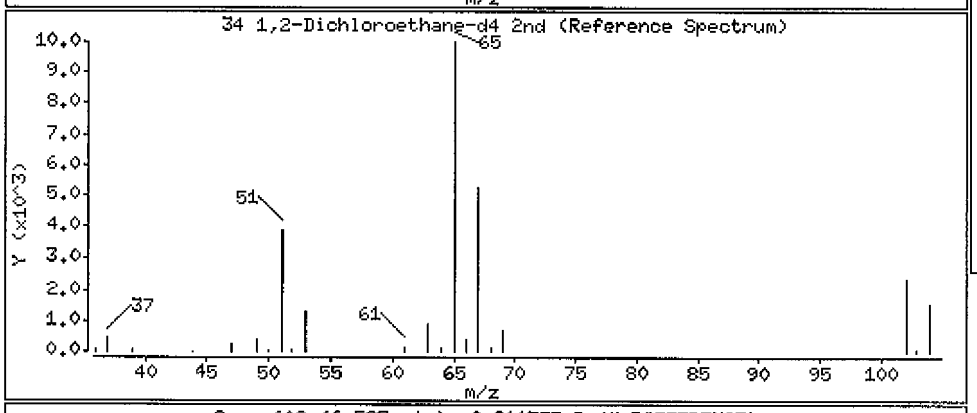
Column diameter: 0.53

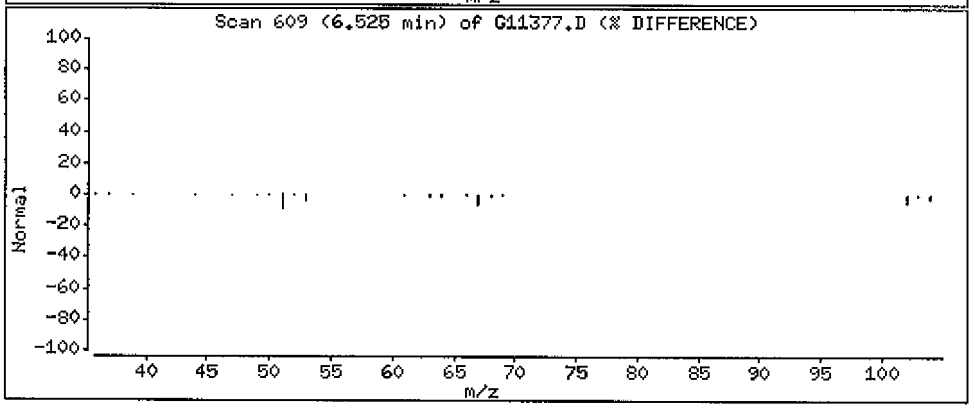
34 1,2-Dichloroethane-d4 2nd

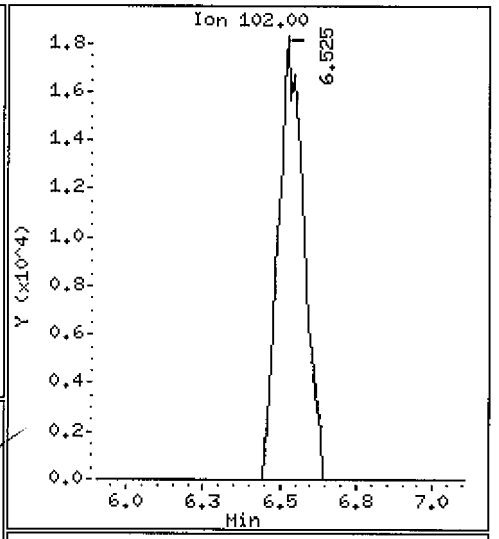
Concentration: 46.59 ug/Kg

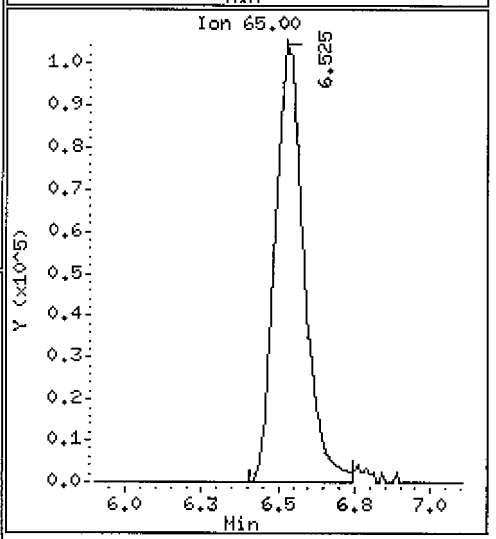












Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11377.D

Date : 12-MAR-2001 10:56

Client ID: G11377

Instrument: mg.i

Sample Info: MB-0312AG,BLANK,2,,0,1,0,8260BGS,M,G11377

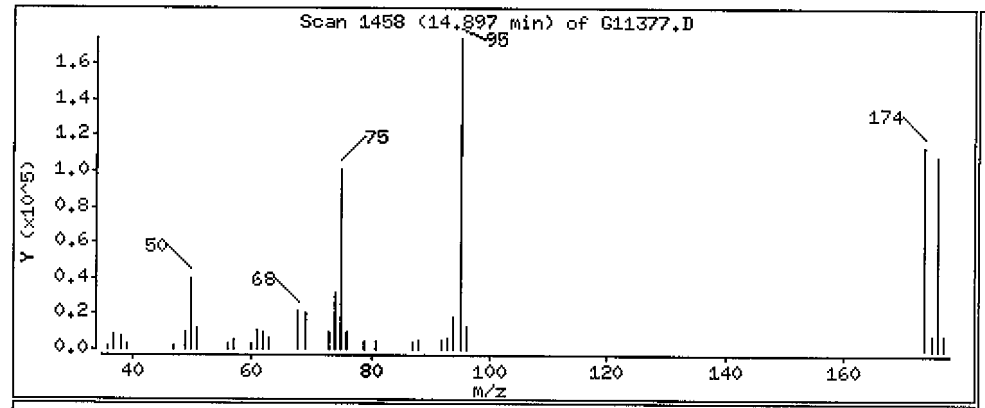
Operator: GFB

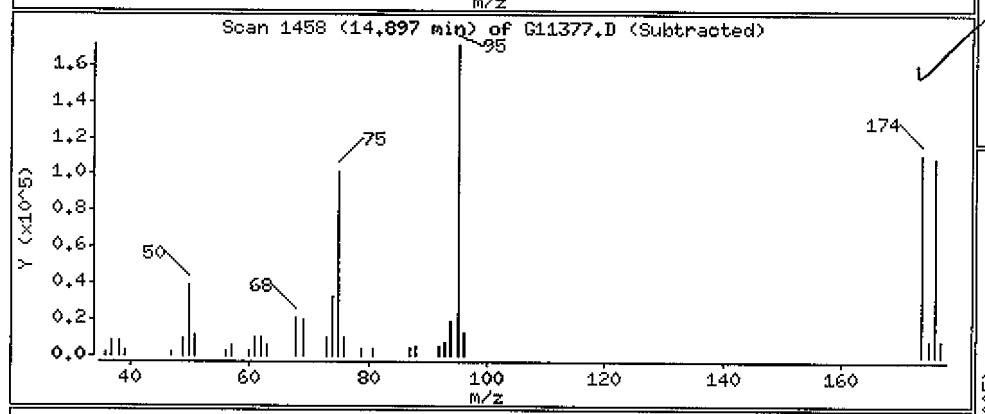
Column phase: J&W DB-624

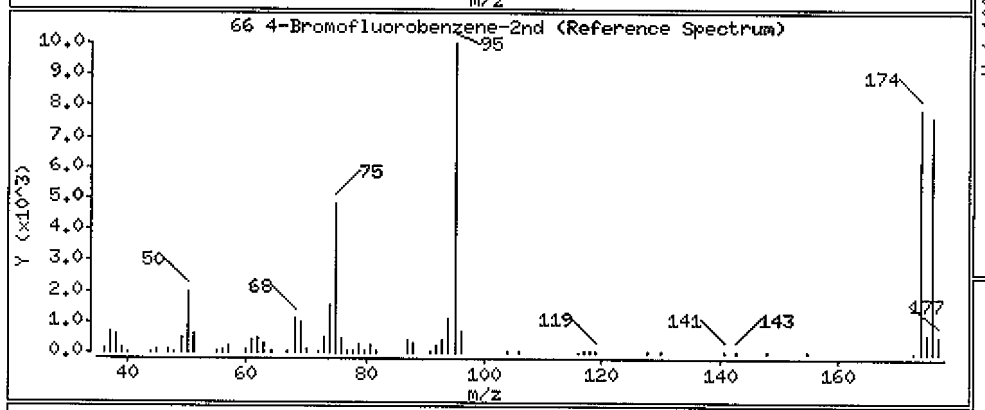
Column diameter: 0.53

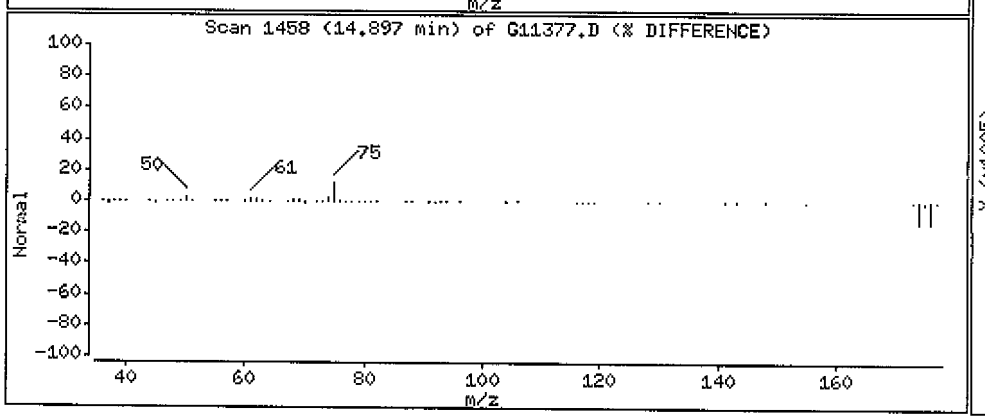
66 4-Bromofluorobenzene-2nd

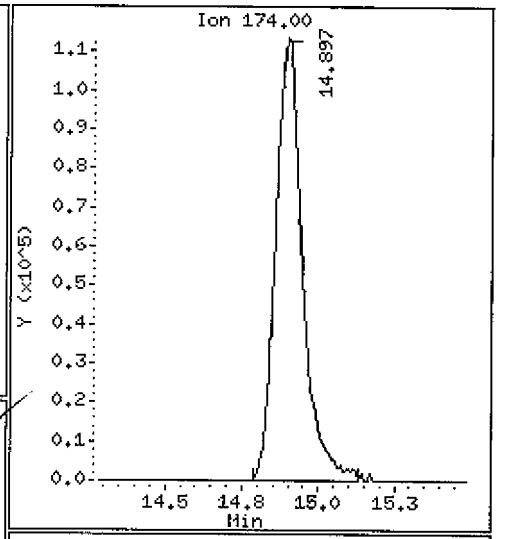
Concentration: 47.08 ug/Kg

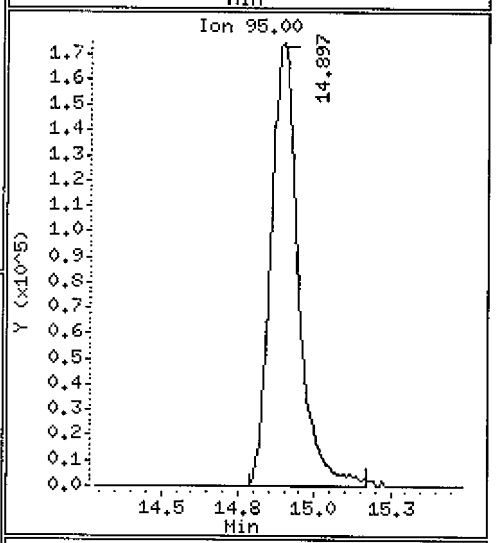


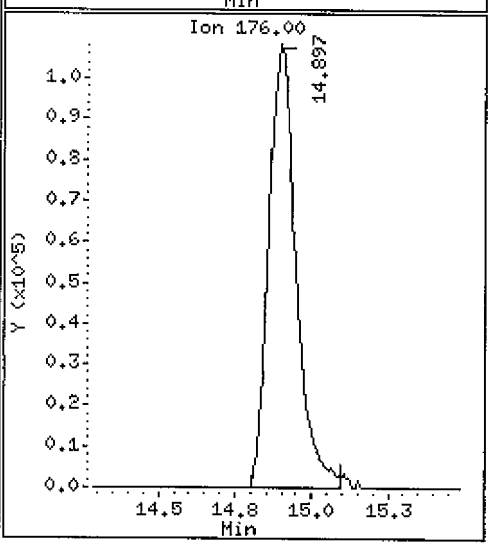












BOE-C6-0006730

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11383.D
Lab Smp Id: DW5RK1AE Client Smp ID: G11383
Inj Date : 12-MAR-2001 15:03
Operator : GFB Inst ID: mg.i
Smp Info : DW5RK1AE,MS,2,,0,1,0,8260BGS.M,G11383
Misc Info : E1C080299-18S,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 14:47 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 9 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.820	2.804	(0.399)	407339	46.8059	46.80
$ 29 Dibromofluoromethane	111	5.986	5.970	(0.847)	1066467	47.5711	47.57
$ 33 1,2-Dichloroethane-d4	65	6.499	6.492	(0.919)	880595	47.4388	47.44
34 1,2-Dichloroethane-d4 2nd	102	6.508	6.502	(0.921)	144457	53.2671	53.27
35 Benzene	78	6.568	6.561	(0.929)	1267593	43.9400	43.94
* 38 Fluorobenzene	96	7.071	7.055	(1.000)	1706573	50.0000	
39 Trichloroethene	130	7.721	7.696	(1.092)	710905	46.3286	46.33
$ 47 Toluene-d8	98	9.881	9.885	(0.786)	1742024	53.5819	53.58
48 Toluene (*)	91	9.999	9.993	(0.796)	1641672	42.6132	42.61
* 56 Chlorobenzene-d5	117	12.563	12.557	(1.000)	1442863	50.0000	
57 Chlorobenzene (**)	112	12.613	12.607	(1.004)	1313222	43.8336	43.83
$ 67 4-Bromofluorobenzene	95	14.891	14.885	(0.866)	1459721	48.9632	48.96
66 4-Bromofluorobenzene-2nd	174	14.891	14.885	(0.866)	928337	48.6352	48.64
* 79 1,4-Dichlorobenzene-d4	152	17.188	17.192	(1.000)	991287	50.0000	

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11383.D
Lab Smp Id: DW5RK1AE
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: E1C080299-18S,,5,,3,SPK.SUB,SH.SPK

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11383
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1706573	6.47
56 Chlorobenzene-d5	1430194	715097	2860388	1442863	0.89
79 1,4-Dichlorobenze	983272	491636	1966544	991287	0.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.07	0.23
56 Chlorobenzene-d5	12.56	12.06	13.06	12.56	0.05
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.19	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

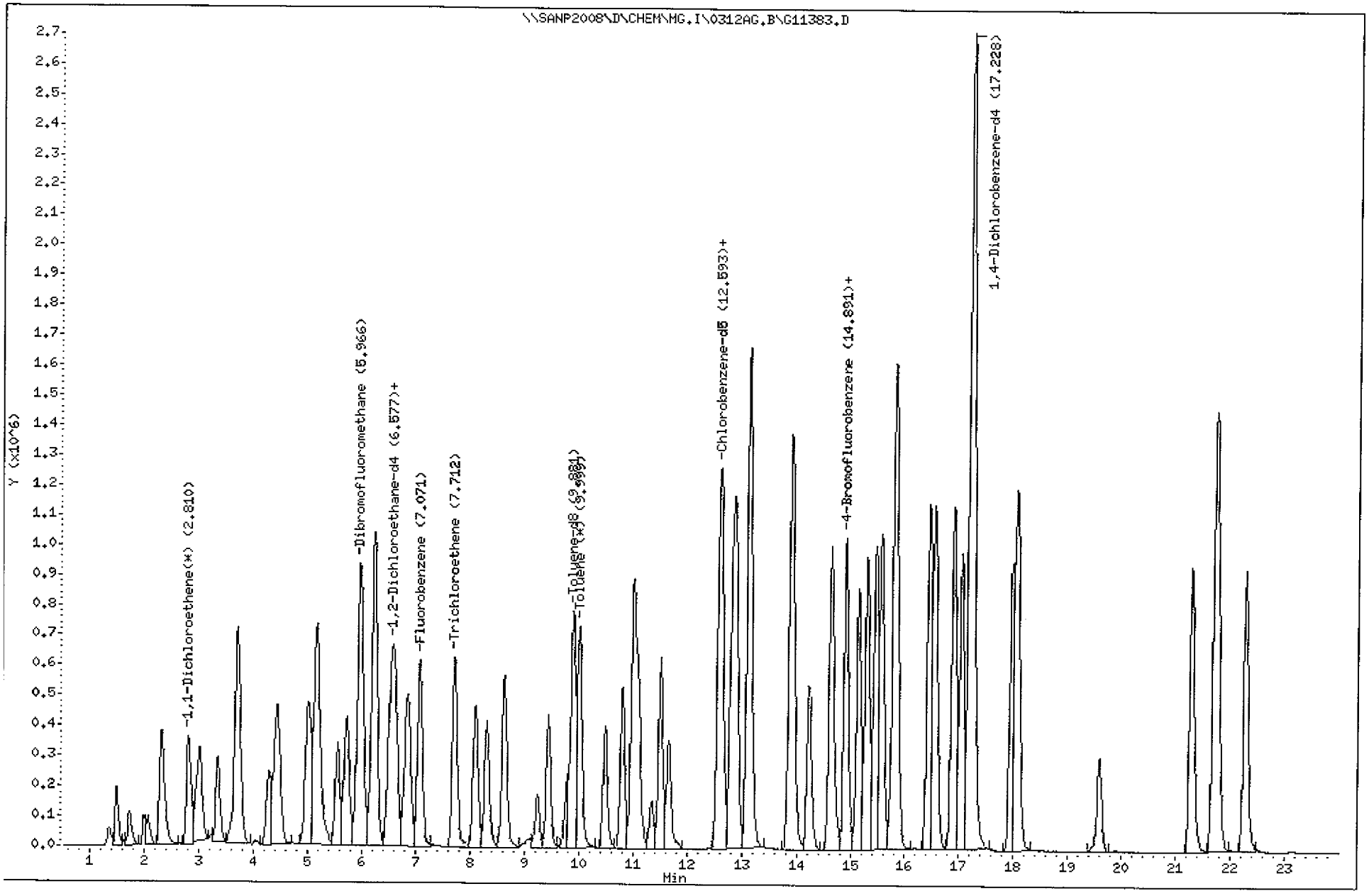
BOE-C6-0006732

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11383.D
Date : 12-MAR-2001 15:03
Client ID: G11383
Sample Info: DW5RK1AE,MS,2,,0,1,0,8260BGS,H,G11383

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53



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BOE-C6-0006733

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VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11384.D
Lab Smp Id: DW5RK1AF Client Smp ID: G11384
Inj Date : 12-MAR-2001 15:36
Operator : GFB Inst ID: mg.i
Smp Info : DW5RK1AF,MSD,2,,0,1,0,8260BGS.M,G11384
Misc Info : 299-18D,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 14:47 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 10 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.819	2.804	(0.398)	420722	51.2097	51.21
$ 29 Dibromofluoromethane	111	5.984	5.970	(0.845)	1041563	49.2145	49.21
$ 33 1,2-Dichloroethane-d4	65	6.507	6.492	(0.919)	861207	49.1447	49.14
34 1,2-Dichloroethane-d4 2nd	102	6.497	6.502	(0.918)	139315	54.4162	54.42
35 Benzene	78	6.576	6.561	(0.929)	1309719	48.0916	48.09
* 38 Fluorobenzene	96	7.079	7.055	(1.000)	1611066	50.0000	
39 Trichloroethene	130	7.710	7.696	(1.089)	709537	48.9806	48.98
$ 47 Toluene-d8	98	9.889	9.885	(0.787)	1680946	53.2063	53.21
48 Toluene (*)	91	10.008	9.993	(0.796)	1676004	44.7691	44.77
* 56 Chlorobenzene-d5	117	12.572	12.557	(1.000)	1402103	50.0000	
57 Chlorobenzene (**)	112	12.611	12.607	(1.003)	1332231	45.7608	45.76
$ 67 4-Bromofluorobenzene	95	14.899	14.885	(0.866)	1403545	48.3828	48.38
66 4-Bromofluorobenzene-2nd	174	14.899	14.885	(0.866)	890977	47.9707	47.97
* 79 1,4-Dichlorobenzene-d4	152	17.206	17.192	(1.000)	964573	50.0000	

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11384.D
Lab Smp Id: DW5RK1AF
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: 299-18D,,5,,3,SPK.SUB,SH.SPK

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11384
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1611066	0.52
56 Chlorobenzene-d5	1430194	715097	2860388	1402103	-1.96
79 1,4-Dichlorobenze	983272	491636	1966544	964573	-1.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.08	0.34
56 Chlorobenzene-d5	12.56	12.06	13.06	12.57	0.11
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.21	0.08

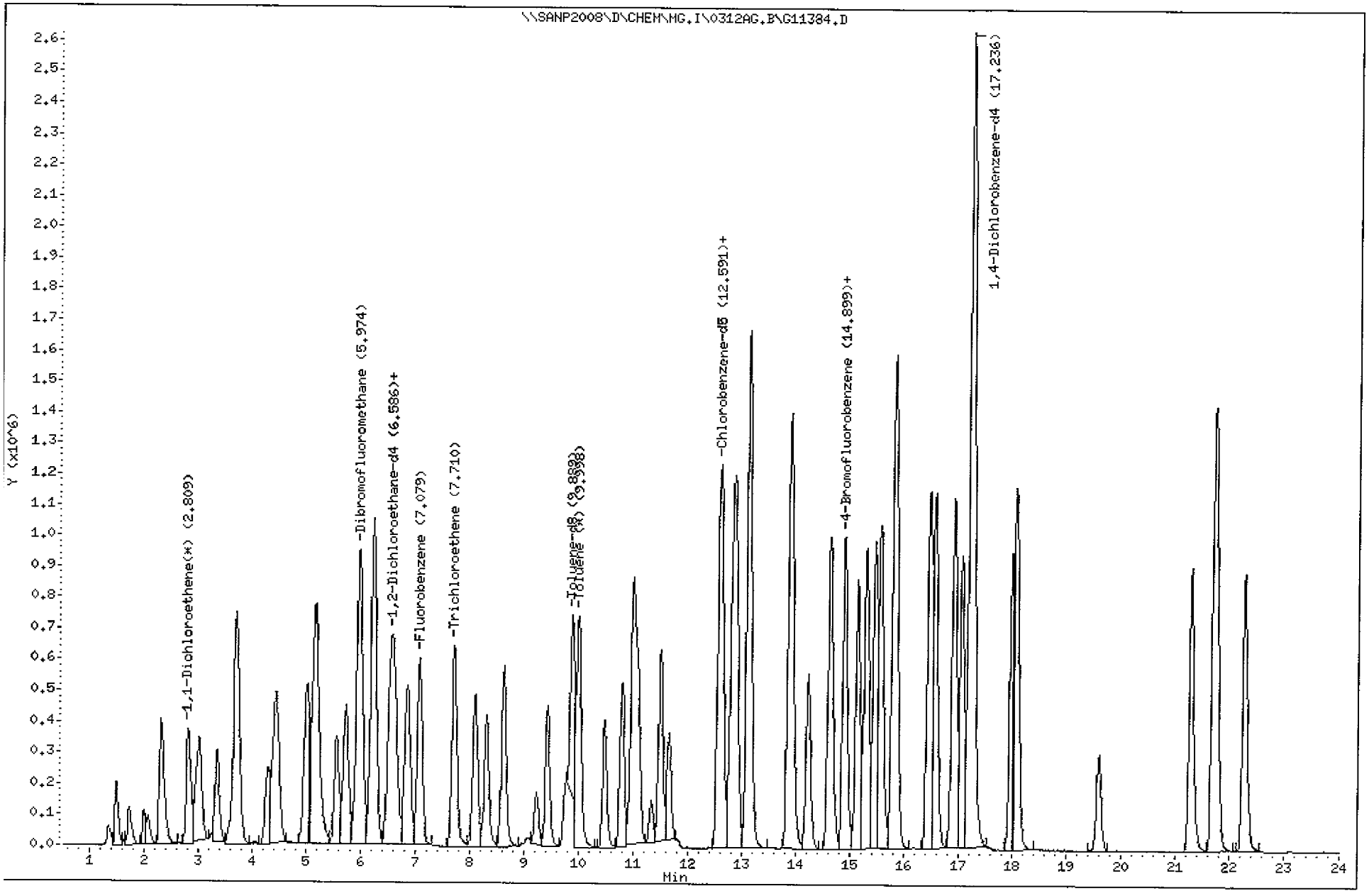
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11384.D
Date : 12-MAR-2001 15:36
Client ID: G11384
Sample Info: DW5RK1AF,MSD,2,,0,1,0,8260BGS,M,G11384

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53



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VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11385.D
Lab Smp Id: DW7TV1AA Client Smp ID: G11385
Inj Date : 12-MAR-2001 16:10
Operator : GFB Inst ID: mg.i
Smp Info : DW7TV1AA,,2,,0,1,0,8260BGS.M,G11385
Misc Info : E1C090309-1,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 14:47 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.993	5.970	(0.847)	1109299	52.7123	52.71
$ 33 1,2-Dichloroethane-d4	65	6.506	6.492	(0.919)	873150	50.1088	50.11
34 1,2-Dichloroethane-d4 2nd	102	6.526	6.502	(0.922)	143200	56.2511	56.25
* 38 Fluorobenzene	96	7.078	7.055	(1.000)	1601981	50.0000	
$ 47 Toluene-d8	98	9.888	9.885	(0.787)	1649381	53.0529	53.05
* 56 Chlorobenzene-d5	117	12.571	12.557	(1.000)	1379752	50.0000	
$ 67 4-Bromofluorobenzene	95	14.898	14.885	(0.866)	1348712	51.7865	51.79
66 4-Bromofluorobenzene-2nd	174	14.898	14.885	(0.866)	847509	50.8261	50.83
* 79 1,4-Dichlorobenzene-d4	152	17.205	17.192	(1.000)	865968	50.0000	

BOE-C6-0006737

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11385.D
Lab Smp Id: DW7TV1AA
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: E1C090309-1,,5,,0,1-8260B.SUB

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11385
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1601981	-0.05
56 Chlorobenzene-d5	1430194	715097	2860388	1379752	-3.53
79 1,4-Dichlorobenze	983272	491636	1966544	865968	-11.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.08	0.33
56 Chlorobenzene-d5	12.56	12.06	13.06	12.57	0.11
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.21	0.08

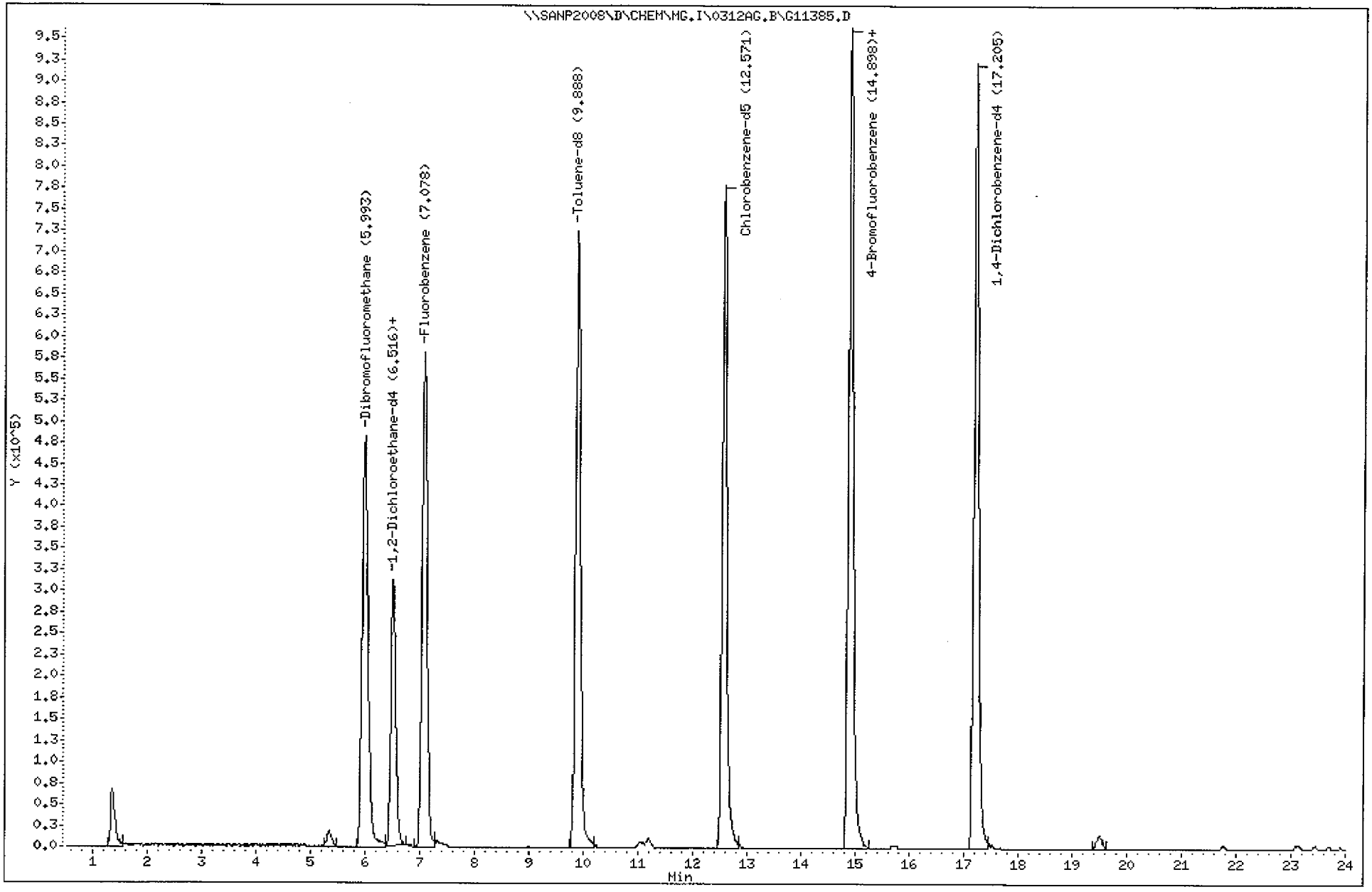
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11385.D
Date : 12-MAR-2001 16:10
Client ID: G11385
Sample Info: DW7TV1AA,,2,,0,1,0,8260BGS.M,G11385

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53



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Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11385.D

Date : 12-MAR-2001 16:10

Client ID: G11385

Instrument: mg.i

Sample Info: DW7TV1AA,,2,,0,1,0,8260BGS.M,G11385

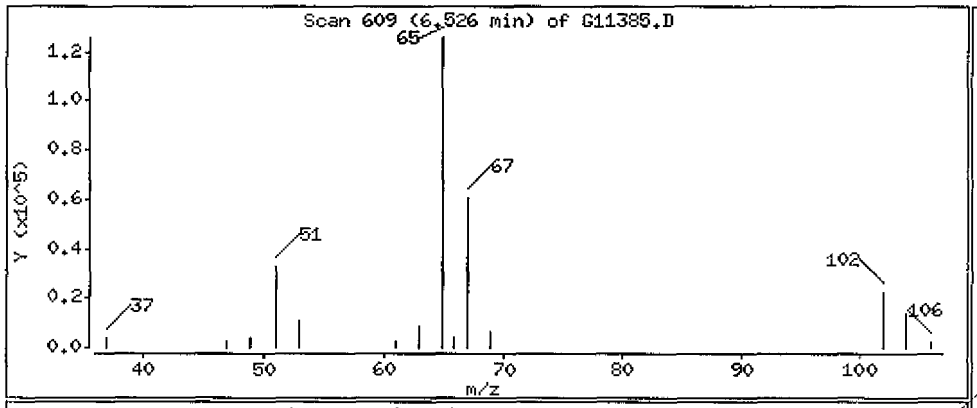
Operator: GFB

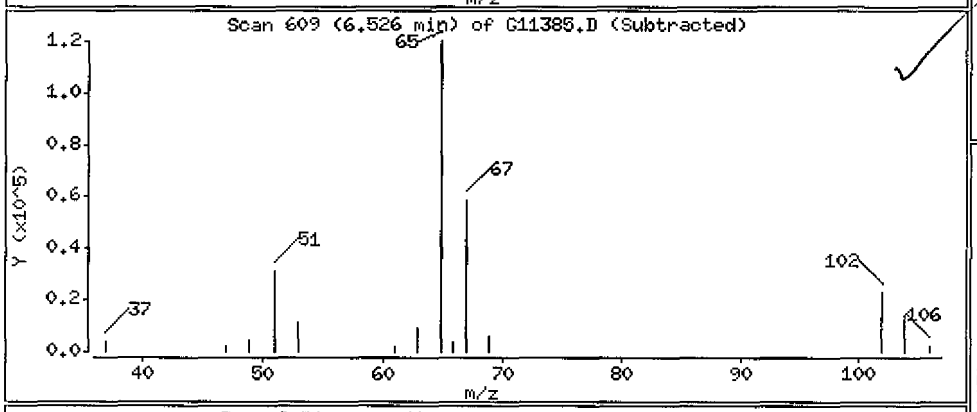
Column phase: J&W DB-624

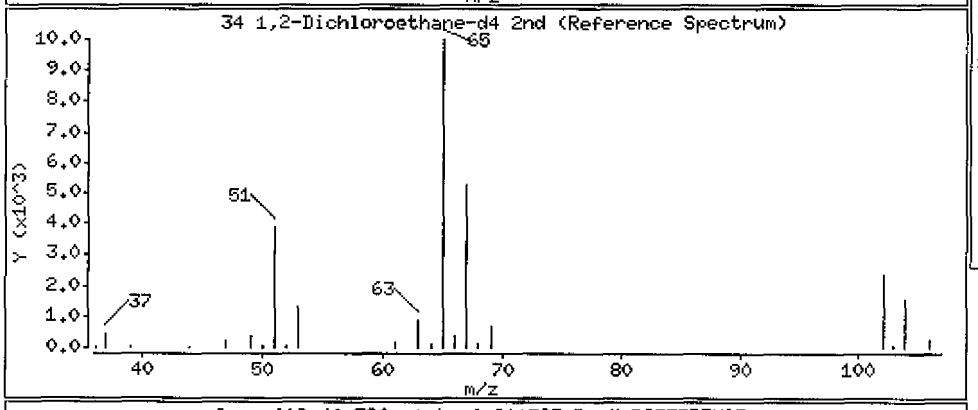
Column diameter: 0.53

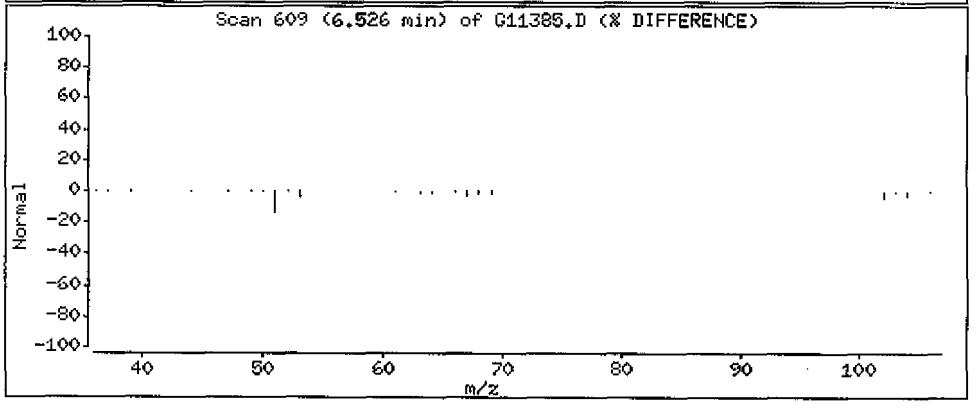
34 1,2-Dichloroethane-d4 2nd

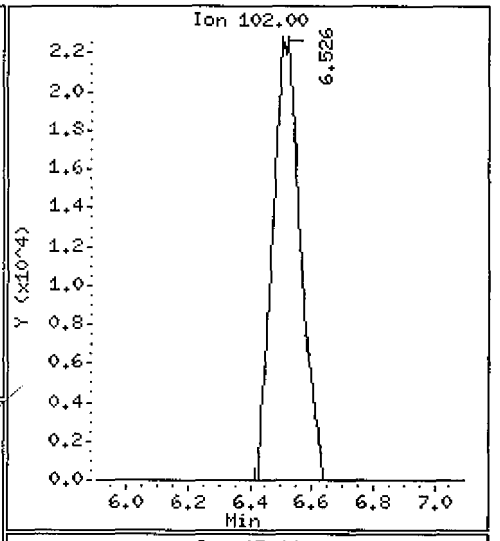
Concentration: 56.25 ug/Kg

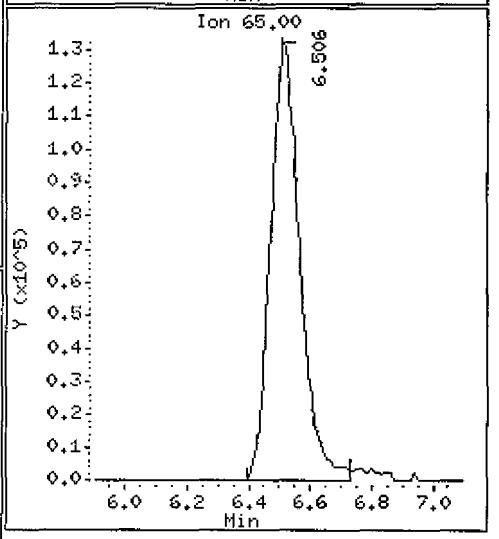












Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11385.D

Date : 12-MAR-2001 16:10

Client ID: G11385

Instrument: mg.i

Sample Info: DW7TV1AA,,2,,0,1,0,8260BGS,M,G11385

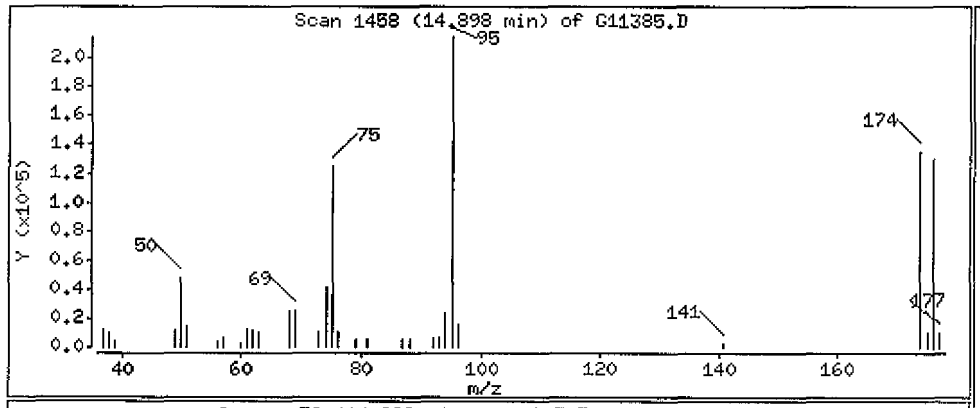
Operator: GFB

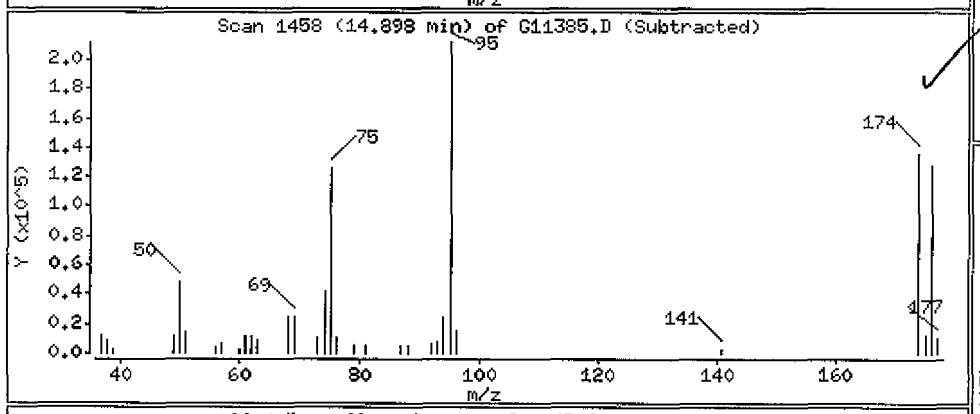
Column phase: J&W DB-624

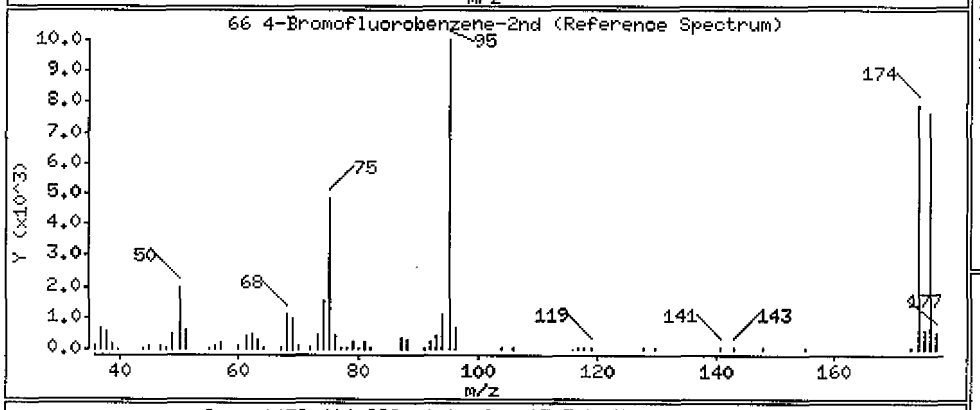
Column diameter: 0.53

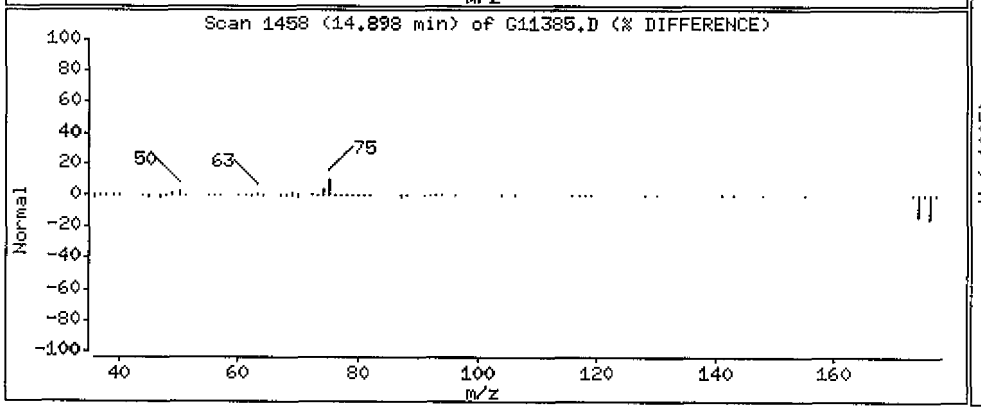
66 4-Bromofluorobenzene-2nd

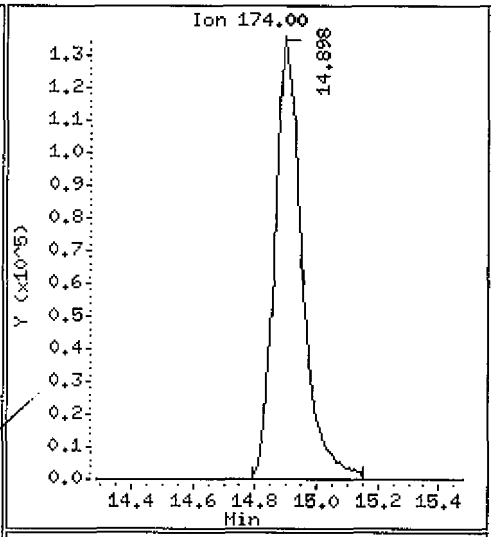
Concentration: 50.83 ug/Kg

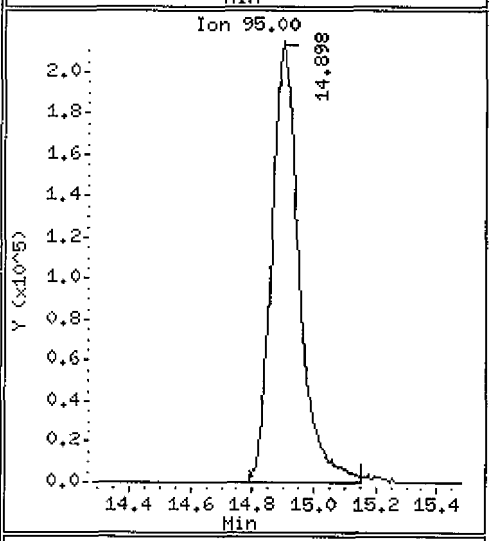


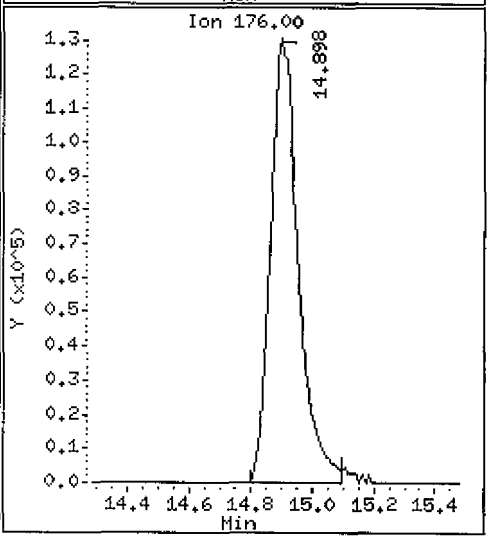












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VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11386.D
Lab Smp Id: DW7T41AD Client Smp ID: G11386
Inj Date : 12-MAR-2001 16:43
Operator : GFB Inst ID: mg.i
Smp Info : DW7T41AD,,2,,0,1,0,8260BGS.M,G11386
Misc Info : 309-2,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 14:47 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.998	5.970	(0.848)	1065004	52.8796	52.88
$ 33 1,2-Dichloroethane-d4	65	6.511	6.492	(0.921)	847737	50.8346	50.83
34 1,2-Dichloroethane-d4 2nd	102	6.511	6.502	(0.921)	126697	52.0029	52.00
* 38 Fluorobenzene	96	7.073	7.055	(1.000)	1533146	50.0000	
$ 47 Toluene-d8	98	9.894	9.885	(0.787)	1565886	53.0444	53.04
* 56 Chlorobenzene-d5	117	12.576	12.557	(1.000)	1310115	50.0000	
$ 67 4-Bromofluorobenzene	95	14.903	14.885	(0.866)	1245183	49.7385	49.74
66 4-Bromofluorobenzene-2nd	174	14.903	14.885	(0.866)	783705	48.8941	48.89
* 79 1,4-Dichlorobenzene-d4	152	17.201	17.192	(1.000)	832415	50.0000	

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11386.D
Lab Smp Id: DW7T41AD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: 309-2,,5,,0,1-8260B.SUB

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11386
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1533146	-4.35
56 Chlorobenzene-d5	1430194	715097	2860388	1310115	-8.40
79 1,4-Dichlorobenze	983272	491636	1966544	832415	-15.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.07	0.27
56 Chlorobenzene-d5	12.56	12.06	13.06	12.58	0.15
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.20	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

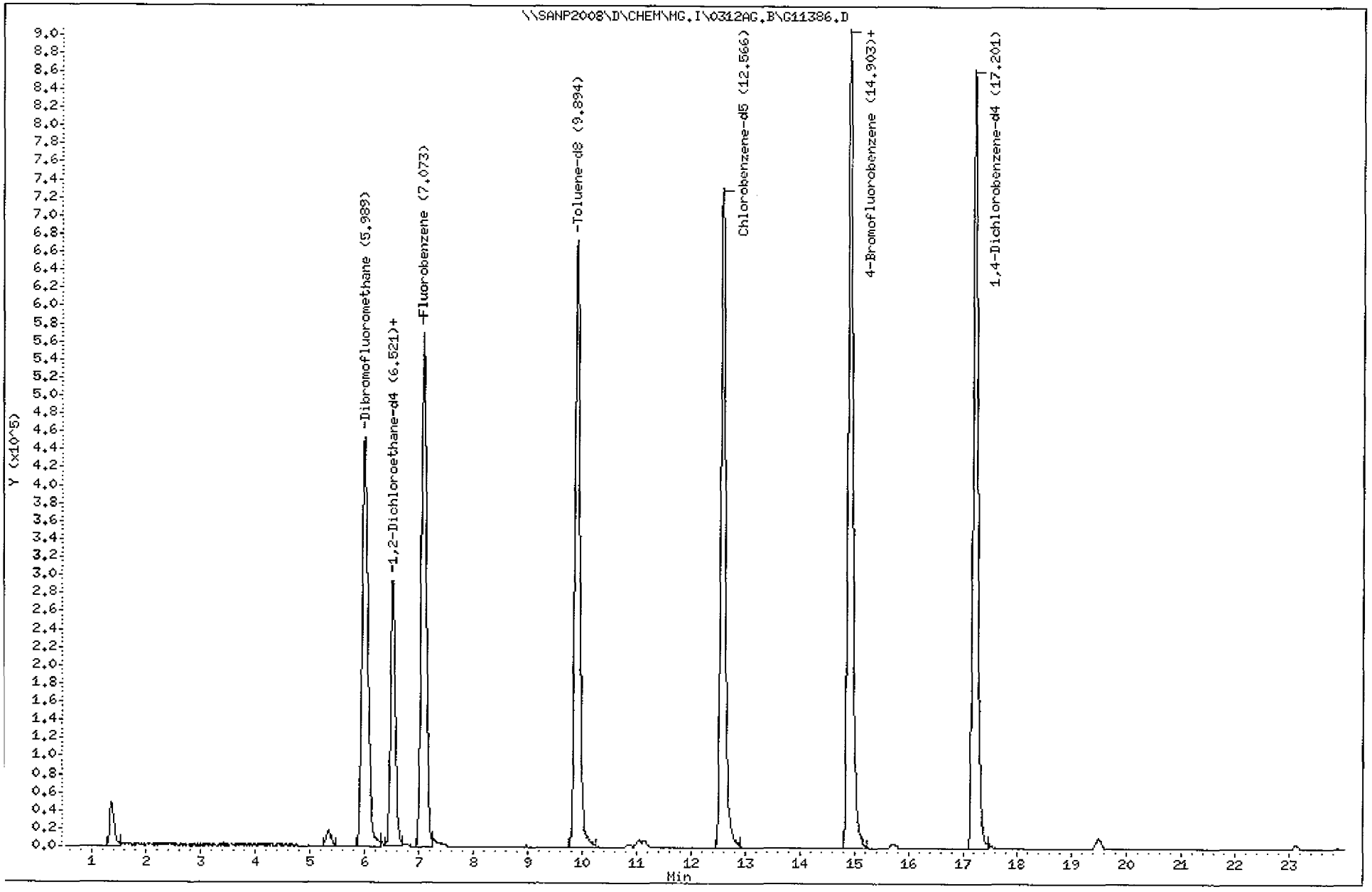
Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11386.D
Date : 12-MAR-2001 16:43
Client ID: G11386
Sample Info: DW7T41AD,,2,,0,1,0,8260BGS.M,G11386

Instrument: mg.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



BOE-C6-0006744

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Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11386.D

Date : 12-MAR-2001 16:43

Client ID: G11386

Instrument: mg.i

Sample Info: DW7T41AD,,2,,0,1,0,8260BGS,M,G11386

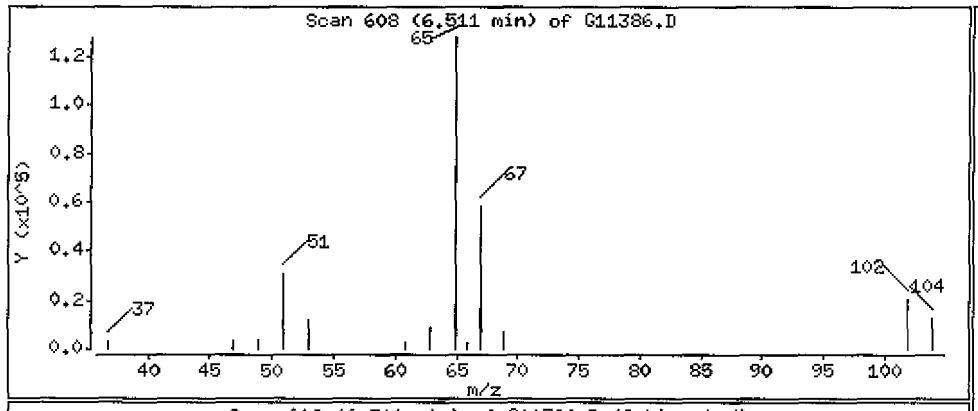
Operator: GFB

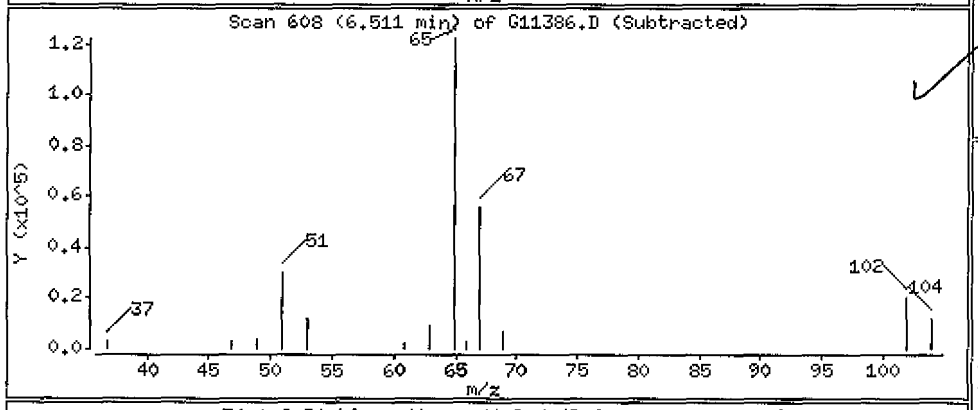
Column phase: J&W DB-624

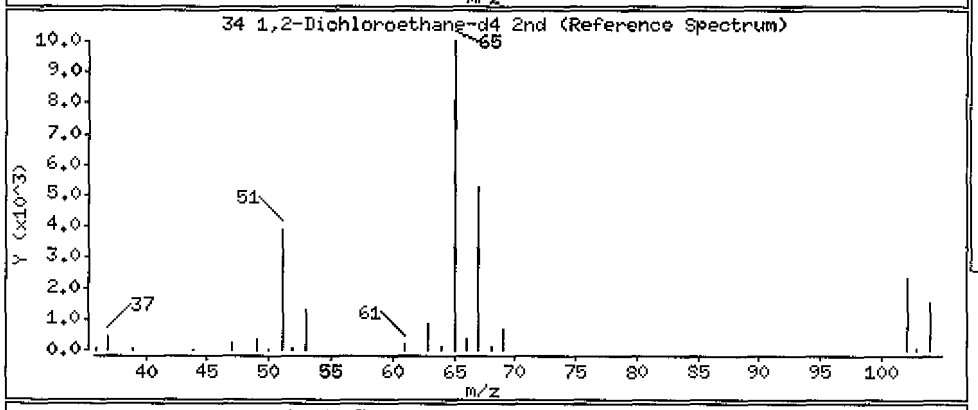
Column diameter: 0.53

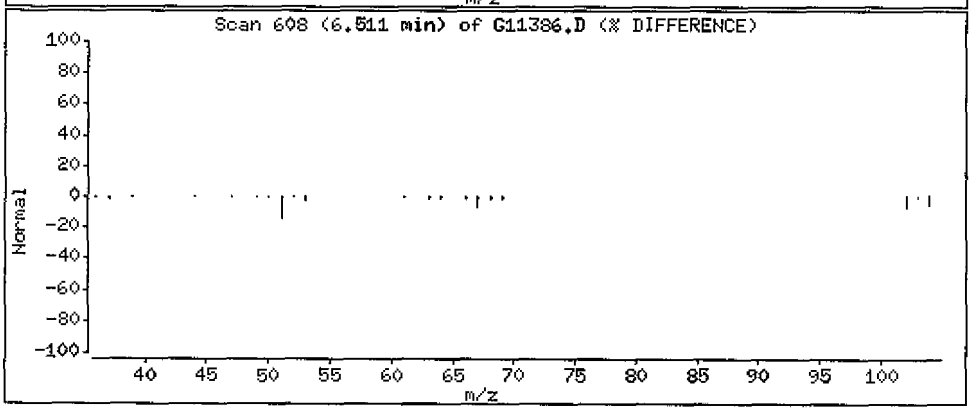
34 1,2-Dichloroethane-d4 2nd

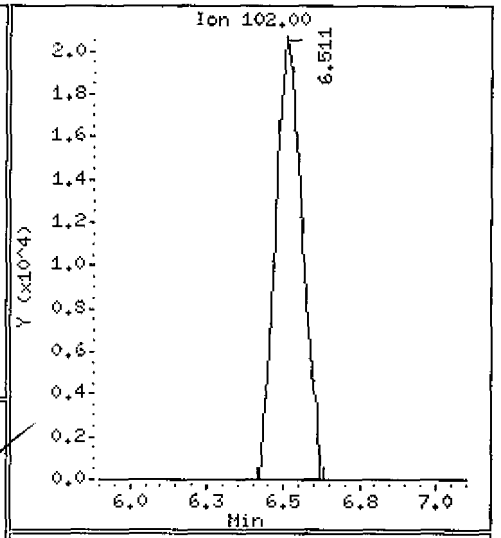
Concentration: 52.00 ug/Kg

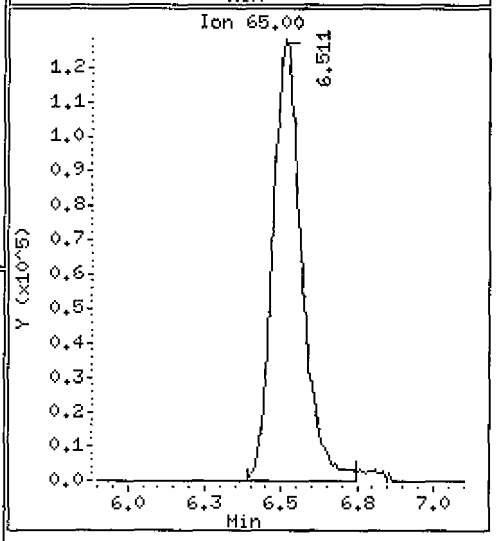












Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11386.D

Date : 12-MAR-2001 16:43

Client ID: G11386

Instrument: mg.i

Sample Info: DW7T41AD,,2,,0,1,0,8260BGS,M,G11386

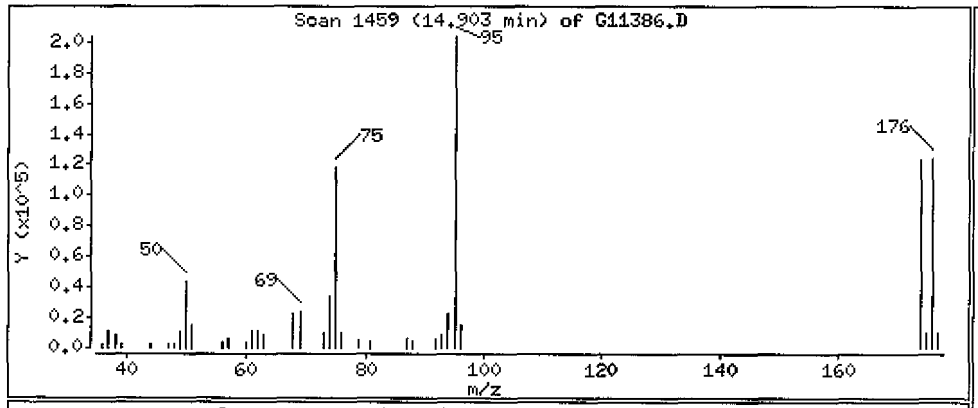
Operator: GFB

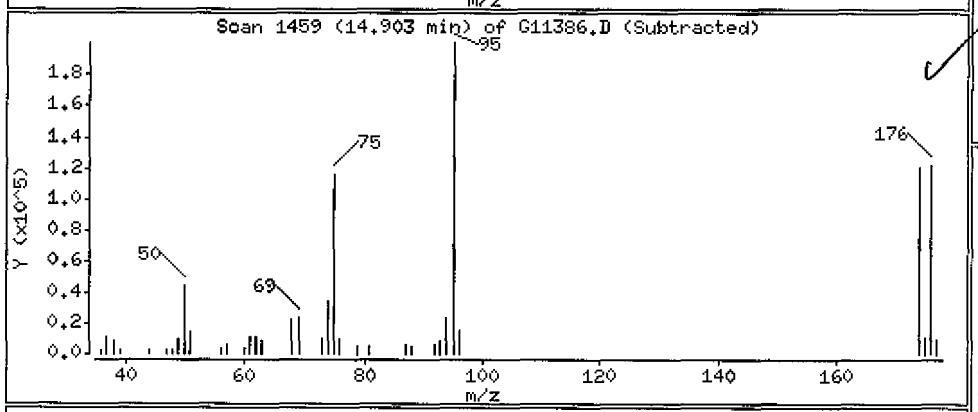
Column phase: J&W DB-624

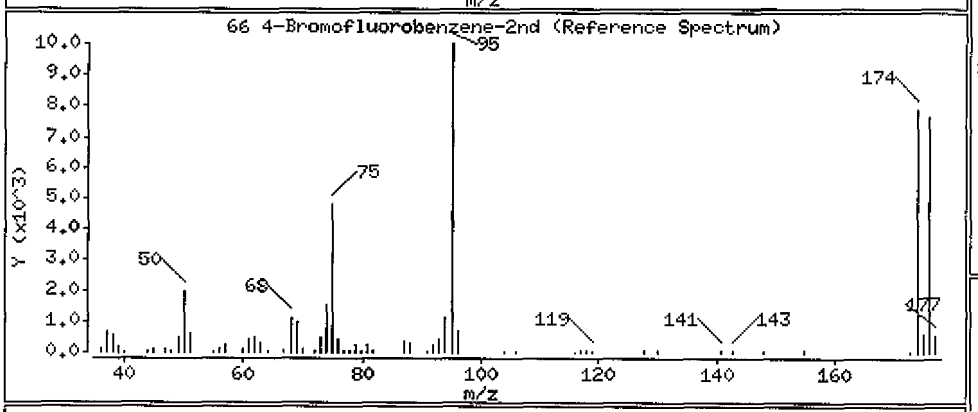
Column diameter: 0.53

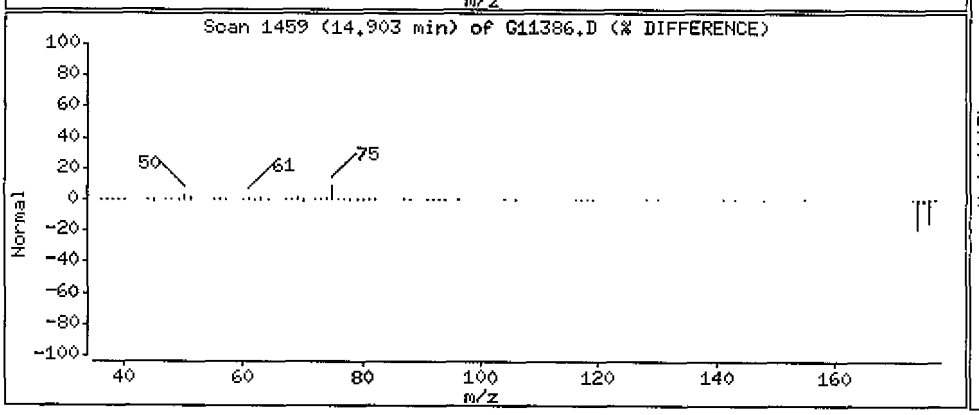
66 4-Bromofluorobenzene-2nd

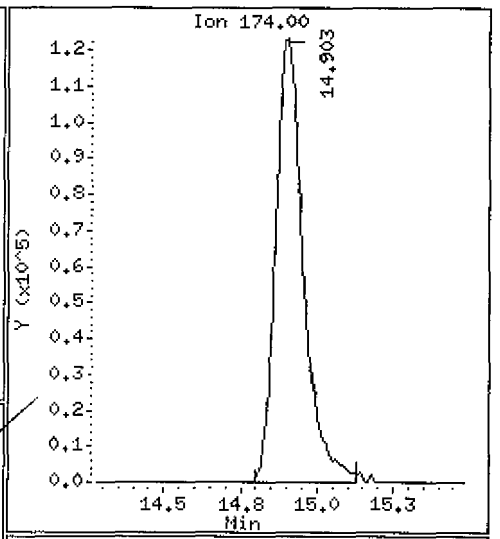
Concentration: 48.89 ug/Kg

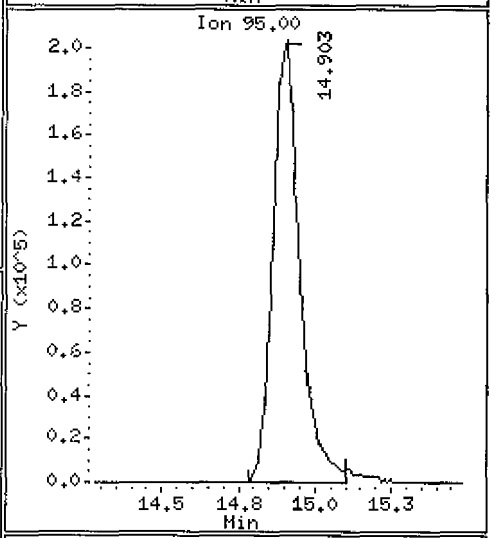


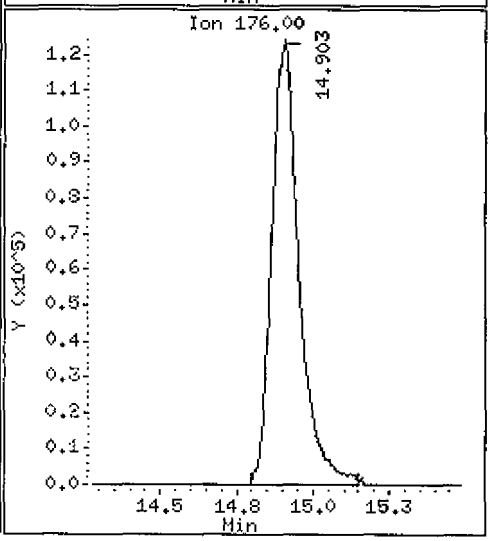












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11387.D
Lab Smp Id: DW7T71AD Client Smp ID: G11387
Inj Date : 12-MAR-2001 17:16
Operator : GFB Inst ID: mg.i
Smp Info : DW7T71AD,,2,,0,1,0,8260BGS.M,G11387
Misc Info : 309-3,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 14:47 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.979	5.970	(0.845)	1039295	54.1986	54.20
$ 33 1,2-Dichloroethane-d4	65	6.512	6.492	(0.921)	833091	52.4690	52.47
34 1,2-Dichloroethane-d4 2nd	102	6.512	6.502	(0.921)	127988	55.1750	55.17
* 38 Fluorobenzene	96	7.074	7.055	(1.000)	1459727	50.0000	
$ 47 Toluene-d8	98	9.884	9.885	(0.787)	1474718	53.8651	53.86
* 56 Chlorobenzene-d5	117	12.567	12.557	(1.000)	1215039	50.0000	
$ 67 4-Bromofluorobenzene	95	14.894	14.885	(0.866)	1216242	52.3323	52.33
66 4-Bromofluorobenzene-2nd	174	14.894	14.885	(0.866)	755999	50.8060	50.81
* 79 1,4-Dichlorobenzene-d4	152	17.192	17.192	(1.000)	772770	50.0000	

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11387.D
Lab Smp Id: DW7T71AD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: 309-3,,5,,0,1-8260B.SUB

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11387
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1459727	-8.93
56 Chlorobenzene-d5	1430194	715097	2860388	1215039	-15.04
79 1,4-Dichlorobenze	983272	491636	1966544	772770	-21.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.07	0.27
56 Chlorobenzene-d5	12.56	12.06	13.06	12.57	0.07
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.19	-0.00

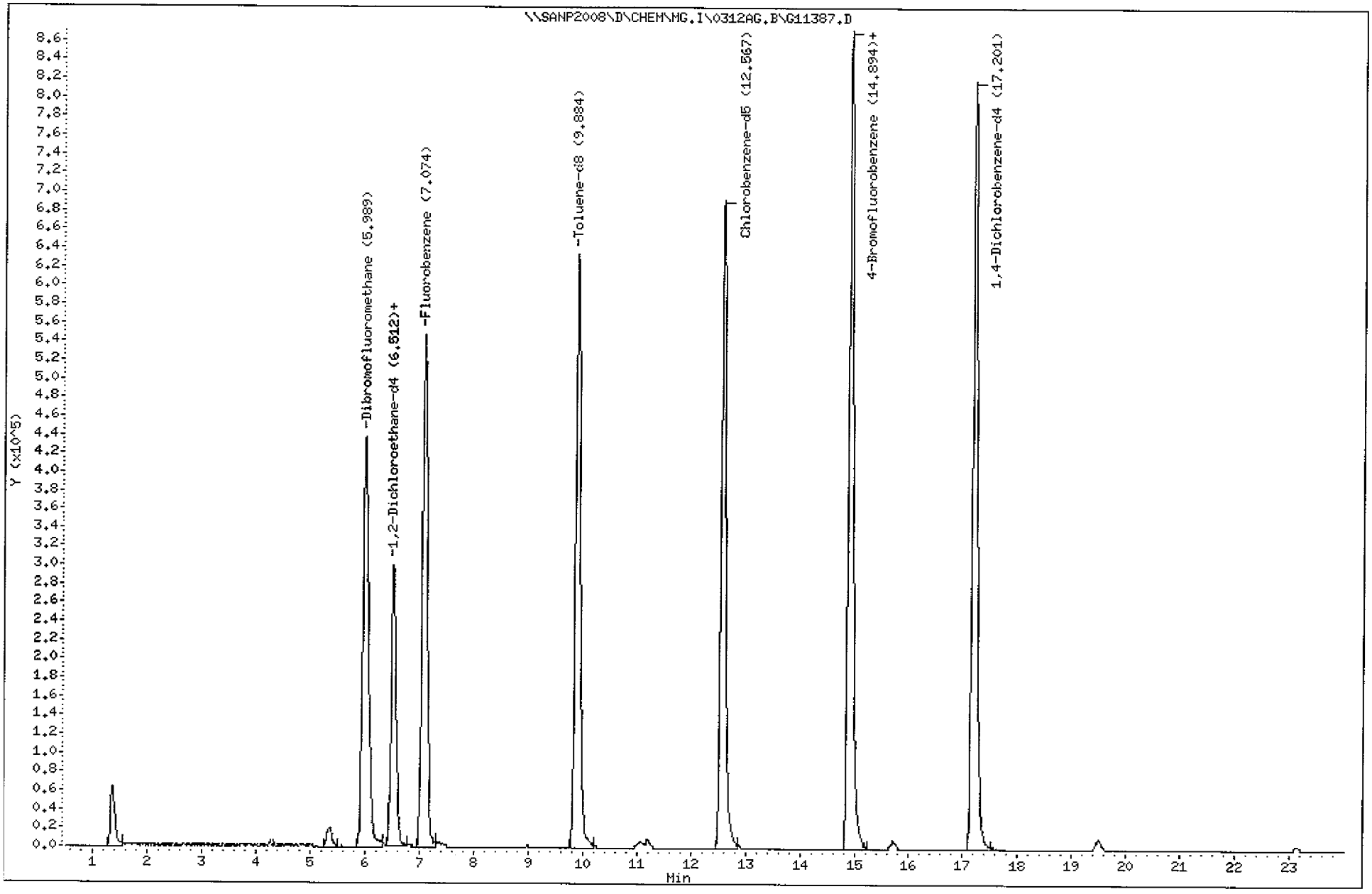
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11387.D
Date : 12-MAR-2001 17:16
Client ID: G11387
Sample Info: DW7T71AD,,2,,0,1,0,8260BGS,M,G11387

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53



BOE-C6-0006749

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Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11387.D

Date : 12-MAR-2001 17:16

Client ID: G11387

Instrument: mg.i

Sample Info: DW7T71AD,,2,,0,1,0,8260BGS.M,G11387

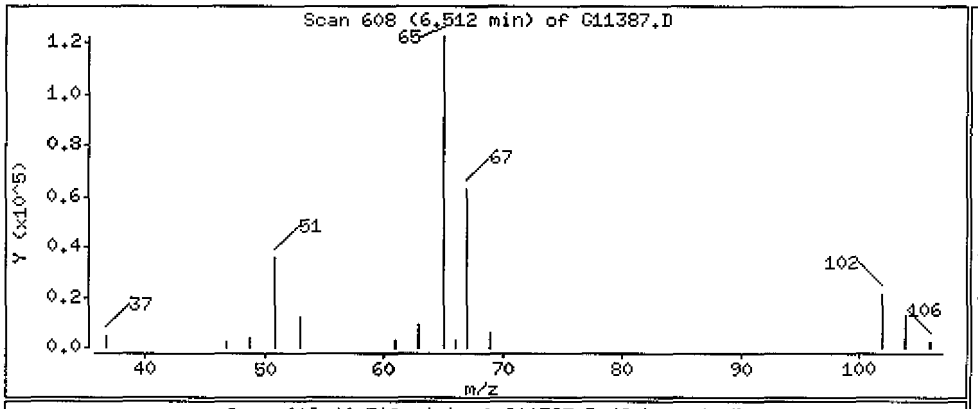
Operator: GFB

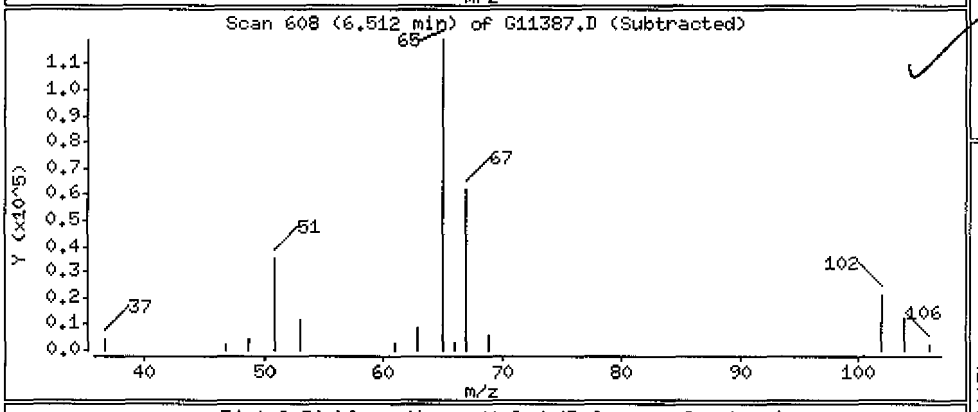
Column phase: J&W DB-624

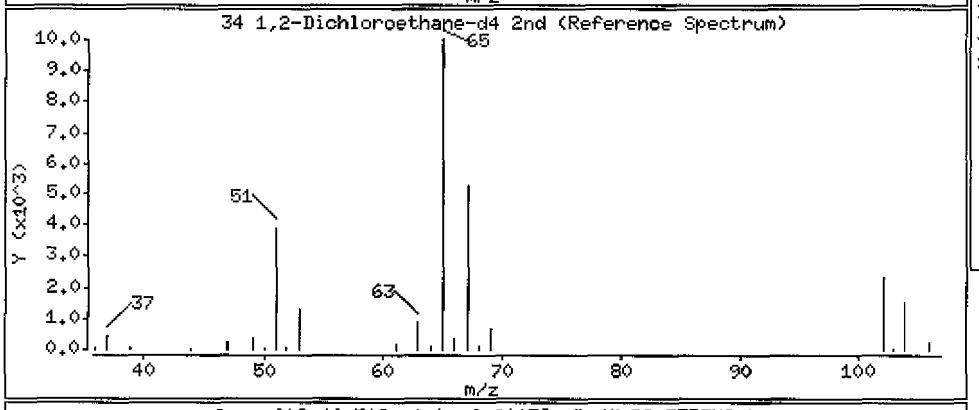
Column diameter: 0.53

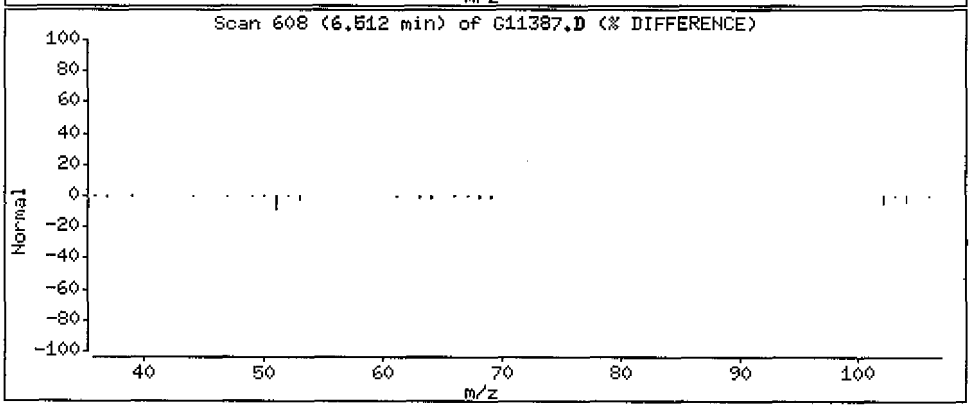
34 1,2-Dichloroethane-d4 2nd

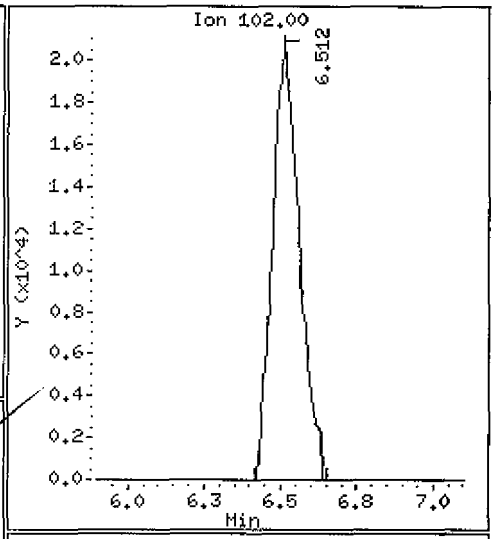
Concentration: 55.17 ug/Kg

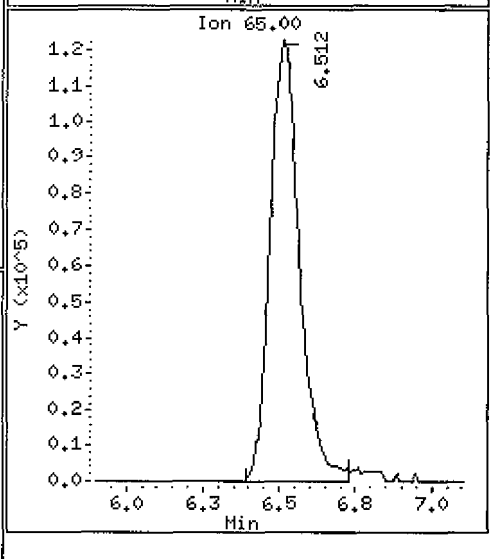












Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11387.D

Date : 12-MAR-2001 17:16

Client ID: G11387

Instrument: mg.i

Sample Info: DW7T71AD,,2,,0,1,0,8260BGS.M,G11387

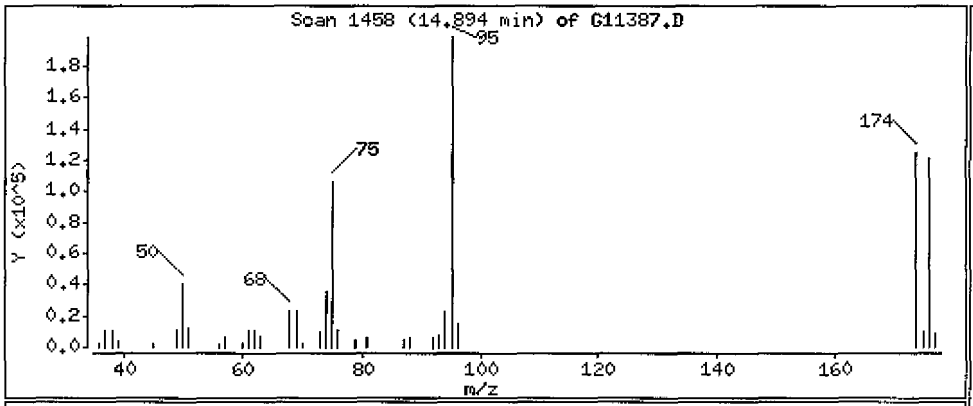
Operator: GFB

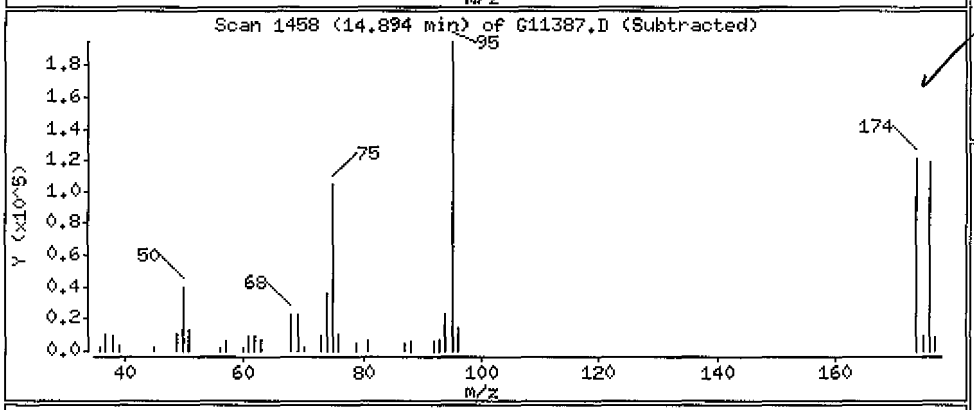
Column phase: J&W DB-624

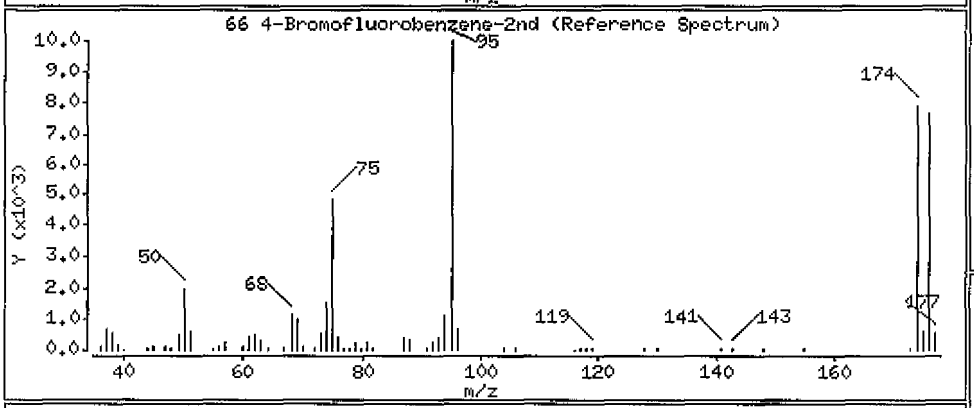
Column diameter: 0.53

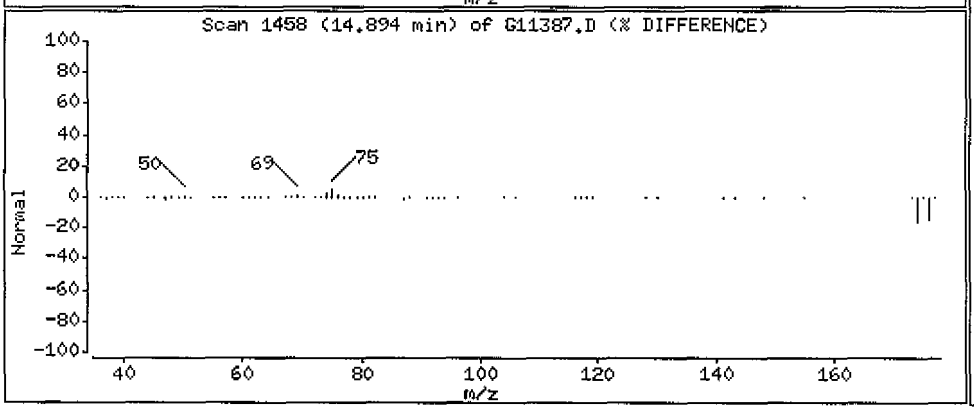
66 4-Bromofluorobenzene-2nd

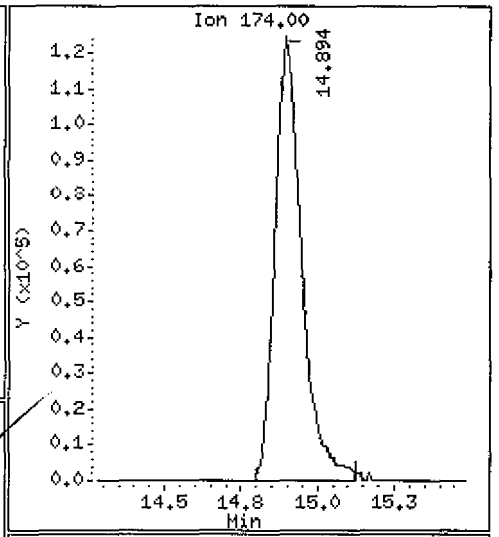
Concentration: 50.81 ug/Kg

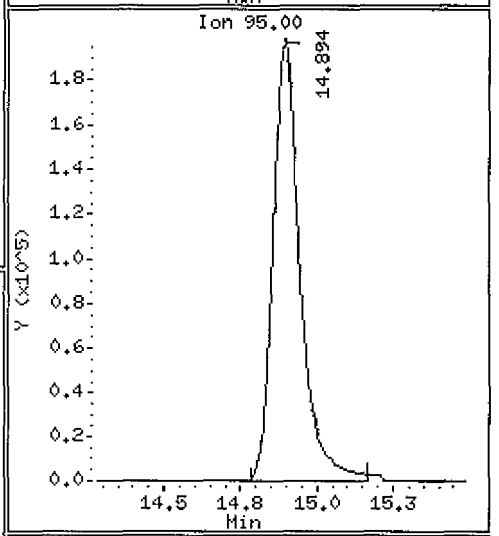


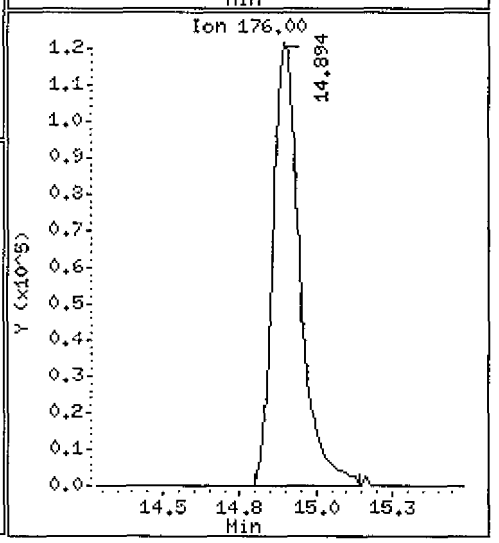












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VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11388.D
Lab Smp Id: DW7VC1AD Client Smp ID: G11388
Inj Date : 12-MAR-2001 17:49
Operator : GFB Inst ID: mg.i
Smp Info : DW7VC1AD,,2,,0,1,0,8260BGS.M,G11388
Misc Info : 309-4,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 14:47 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.984	5.970	(0.847)	1004834	55.6851	55.68
$ 33 1,2-Dichloroethane-d4	65	6.507	6.492	(0.920)	820809	54.9349	54.93
34 1,2-Dichloroethane-d4 2nd	102	6.497	6.502	(0.919)	125055	57.2889	57.29
* 38 Fluorobenzene	96	7.069	7.055	(1.000)	1373650	50.0000	
$ 47 Toluene-d8	98	9.890	9.885	(0.787)	1450081	57.4855	57.48
* 56 Chlorobenzene-d5	117	12.572	12.557	(1.000)	1119497	50.0000	
$ 67 4-Bromofluorobenzene	95	14.899	14.885	(0.866)	1127629	54.9320	54.93
66 4-Bromofluorobenzene-2nd	174	14.899	14.885	(0.866)	708112	53.8774	53.88
* 79 1,4-Dichlorobenzene-d4	152	17.197	17.192	(1.000)	682559	50.0000	

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11388.D
Lab Smp Id: DW7VC1AD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: 309-4,,5,,0,1-8260B.SUB

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11388
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1373650	-14.30
56 Chlorobenzene-d5	1430194	715097	2860388	1119497	-21.72
79 1,4-Dichlorobenze	983272	491636	1966544	682559	-30.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.07	0.21
56 Chlorobenzene-d5	12.56	12.06	13.06	12.57	0.12
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.20	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11388.D

Date : 12-MAR-2001 17:49

Client ID: G11388

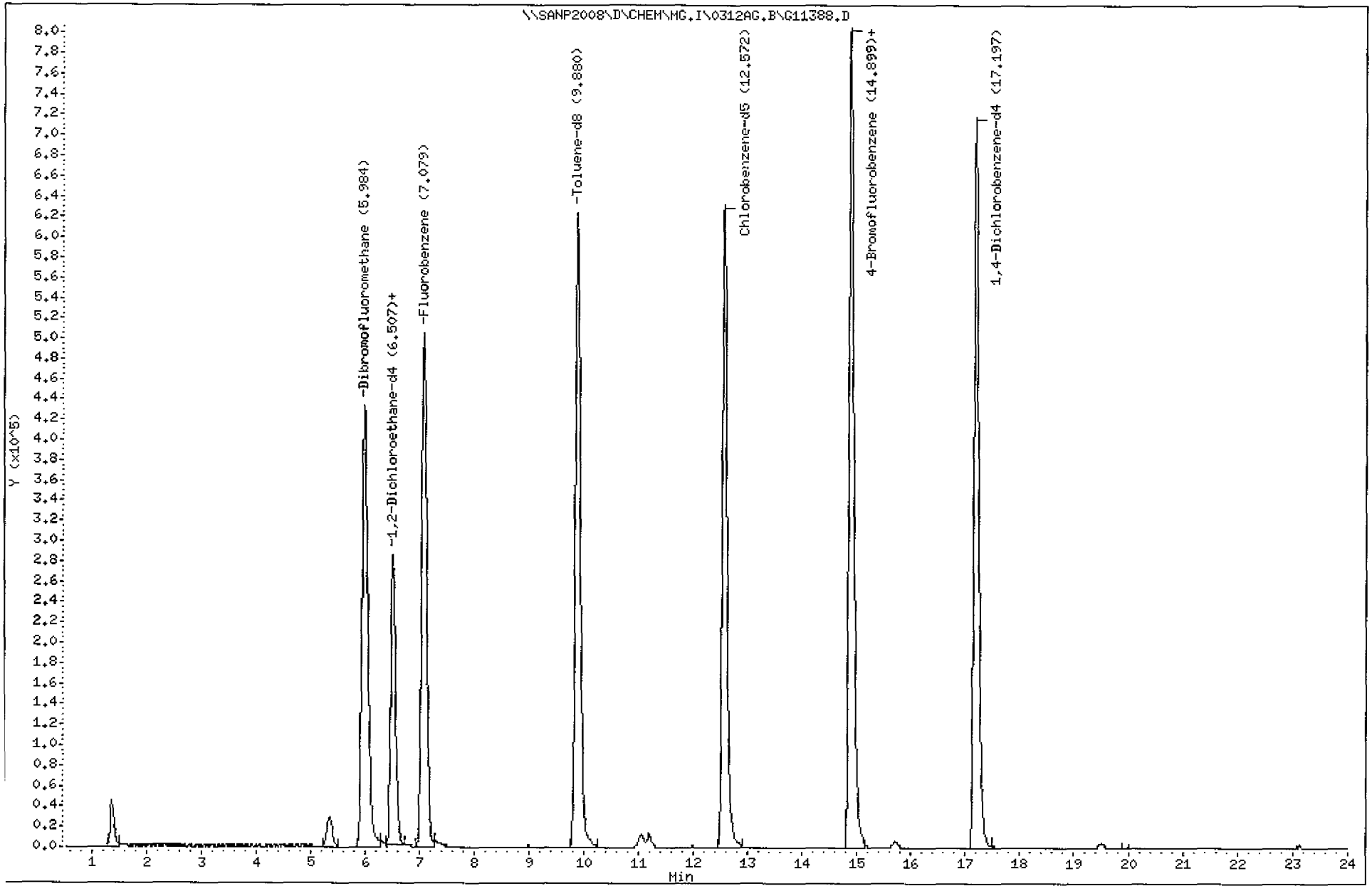
Sample Info: DW7VC1AD,,2,,0,1,0,8260BGS.M,G11388

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11388.D

Date : 12-MAR-2001 17:49

Client ID: G11388

Instrument: mg.i

Sample Info: DW7VC1AD,,2,,0,1,0,8260BGS,M,G11388

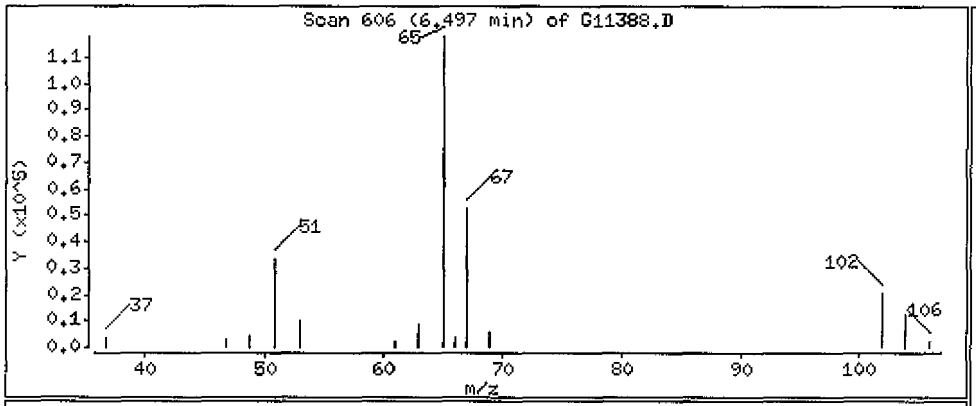
Operator: GFB

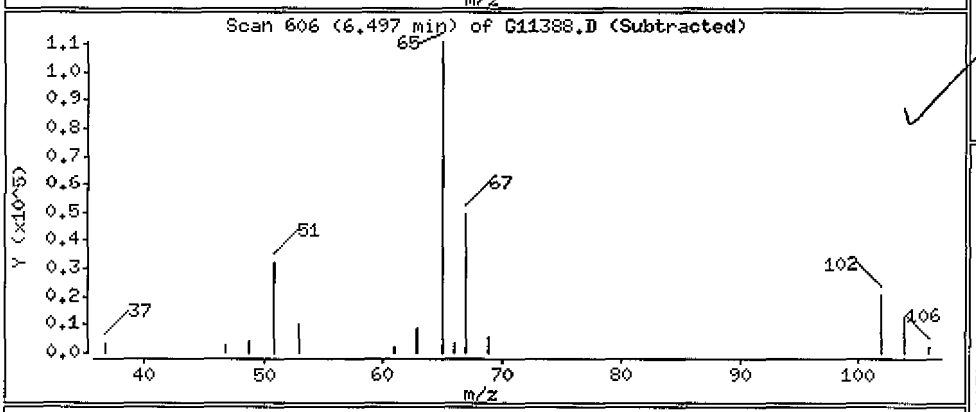
Column phase: J&W DB-624

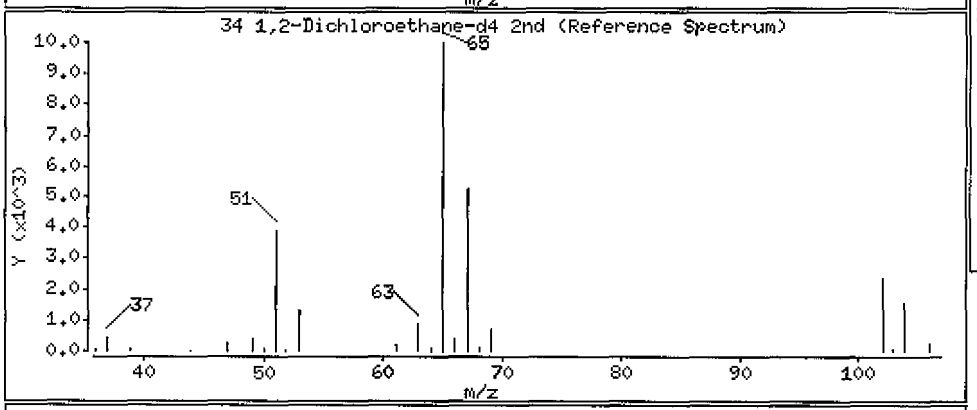
Column diameter: 0.53

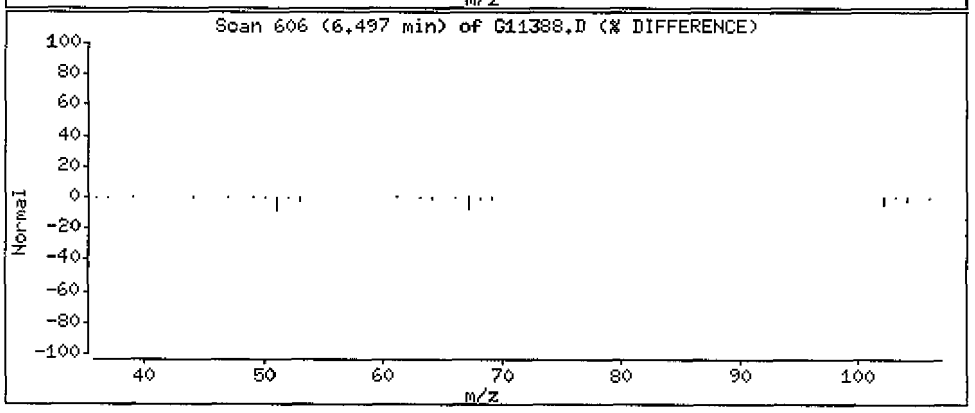
34 1,2-Dichloroethane-d4 2nd

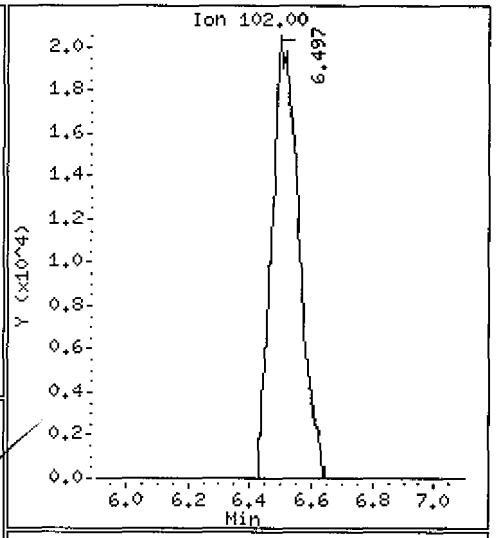
Concentration: 57.29 ug/Kg

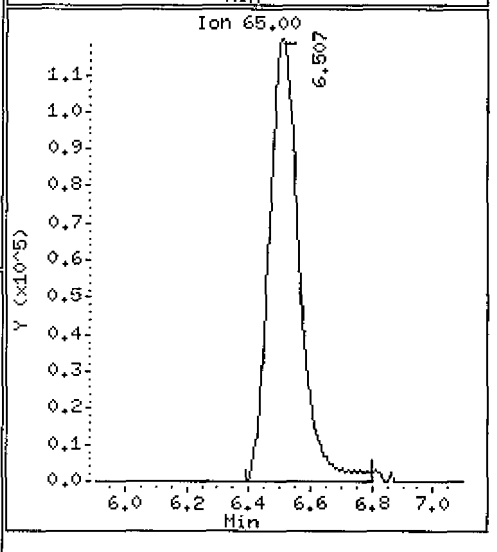












Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11388.D

Date : 12-MAR-2001 17:49

Client ID: G11388

Instrument: mg.i

Sample Info: DW7VC1AD,,2,,0,1,0,8260BGS,M,G11388

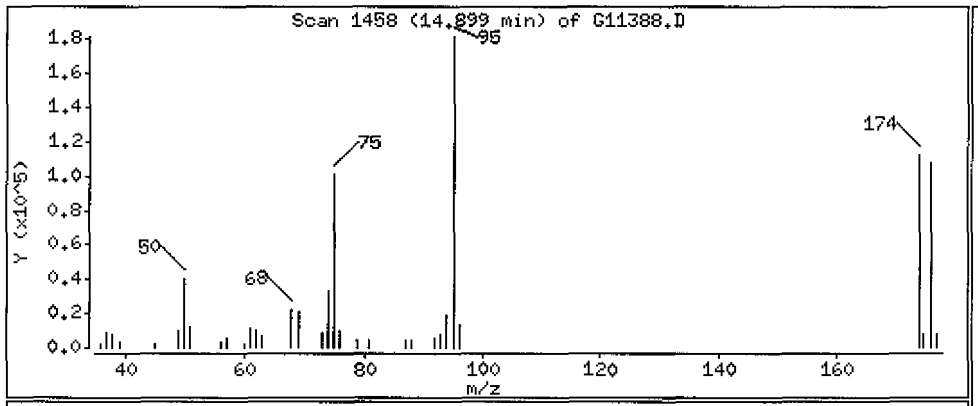
Operator: GFB

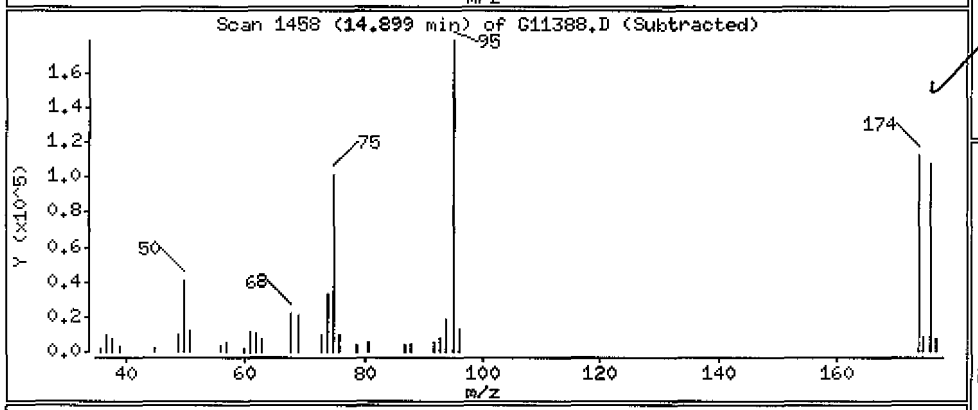
Column phase: J&W DB-624

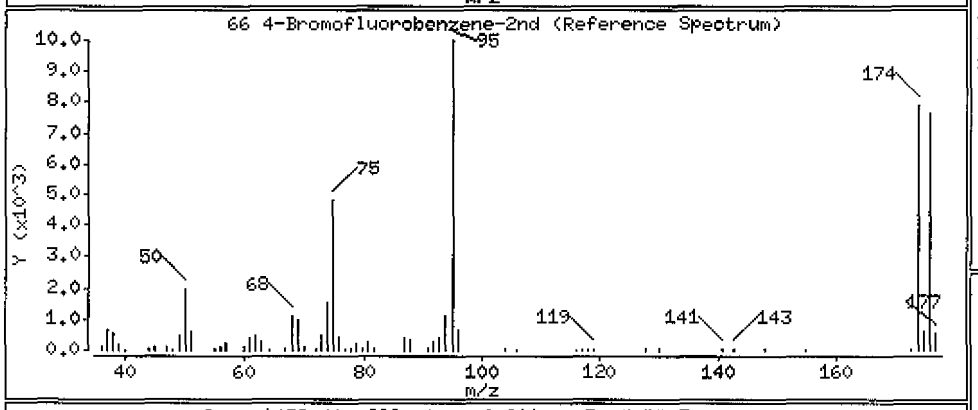
Column diameter: 0.53

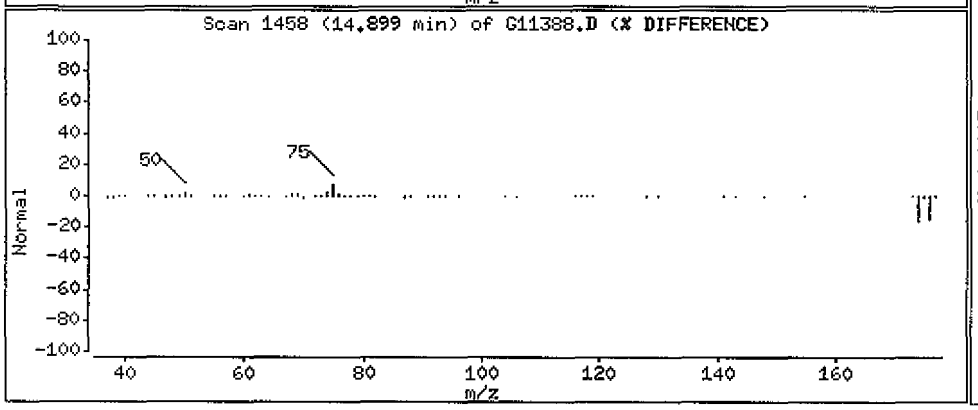
66 4-Bromofluorobenzene-2nd

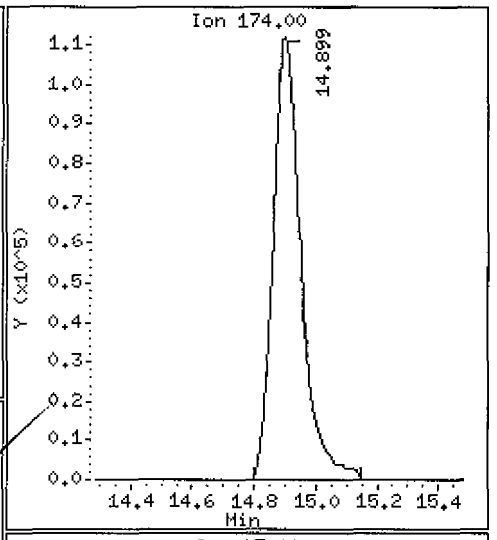
Concentration: 53.88 ug/Kg

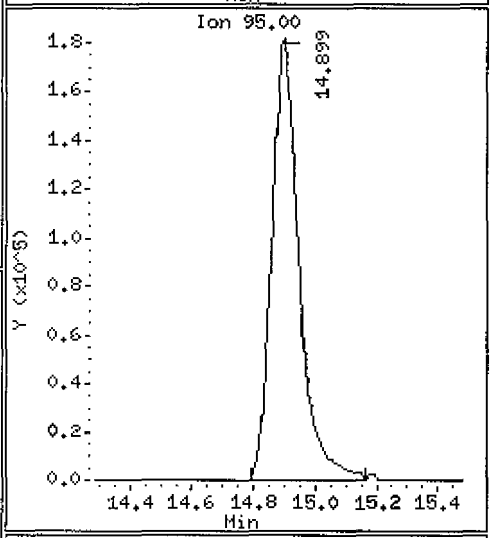


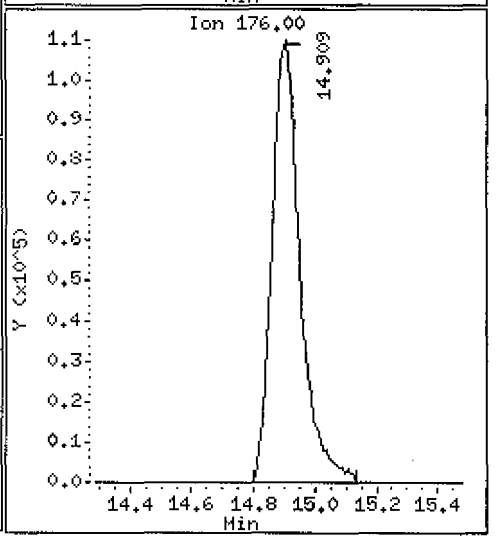












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11389.D
Lab Smp Id: DW7VD1AD Client Smp ID: G11389
Inj Date : 12-MAR-2001 18:22
Operator : GFB Inst ID: mg.i
Smp Info : DW7VD1AD,,2,,0,1,0,8260BGS.M,G11389
Misc Info : 309-5,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 14:47 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	6.033	5.970	(0.848)	815138	50.6771	50.68
$ 33 1,2-Dichloroethane-d4	65	6.545	6.492	(0.920)	619603	46.5217	46.52
34 1,2-Dichloroethane-d4 2nd	102	6.555	6.502	(0.921)	93053	47.8228	47.82
* 38 Fluorobenzene	96	7.117	7.055	(1.000)	1224446	50.0000	
$ 47 Toluene-d8	98	9.908	9.885	(0.788)	1240648	54.2598	54.26
* 56 Chlorobenzene-d5	117	12.581	12.557	(1.000)	1014750	50.0000	
$ 67 4-Bromofluorobenzene	95	14.908	14.885	(0.866)	961822	48.4008	48.40
66 4-Bromofluorobenzene-2nd	174	14.908	14.885	(0.866)	614097	48.2658	48.26
* 79 1,4-Dichlorobenzene-d4	152	17.205	17.192	(1.000)	660757	50.0000	

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11389.D
Lab Smp Id: DW7VD1AD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: 309-5,,5,,0,1-8260B.SUB

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11389
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1224446	-23.61
56 Chlorobenzene-d5	1430194	715097	2860388	1014750	-29.05
79 1,4-Dichlorobenze	983272	491636	1966544	660757	-32.80

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.12	0.89
56 Chlorobenzene-d5	12.56	12.06	13.06	12.58	0.19
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.21	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

BOE-C6-0006759

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11389.D

Date : 12-MAR-2001 18:22

Client ID: G11389

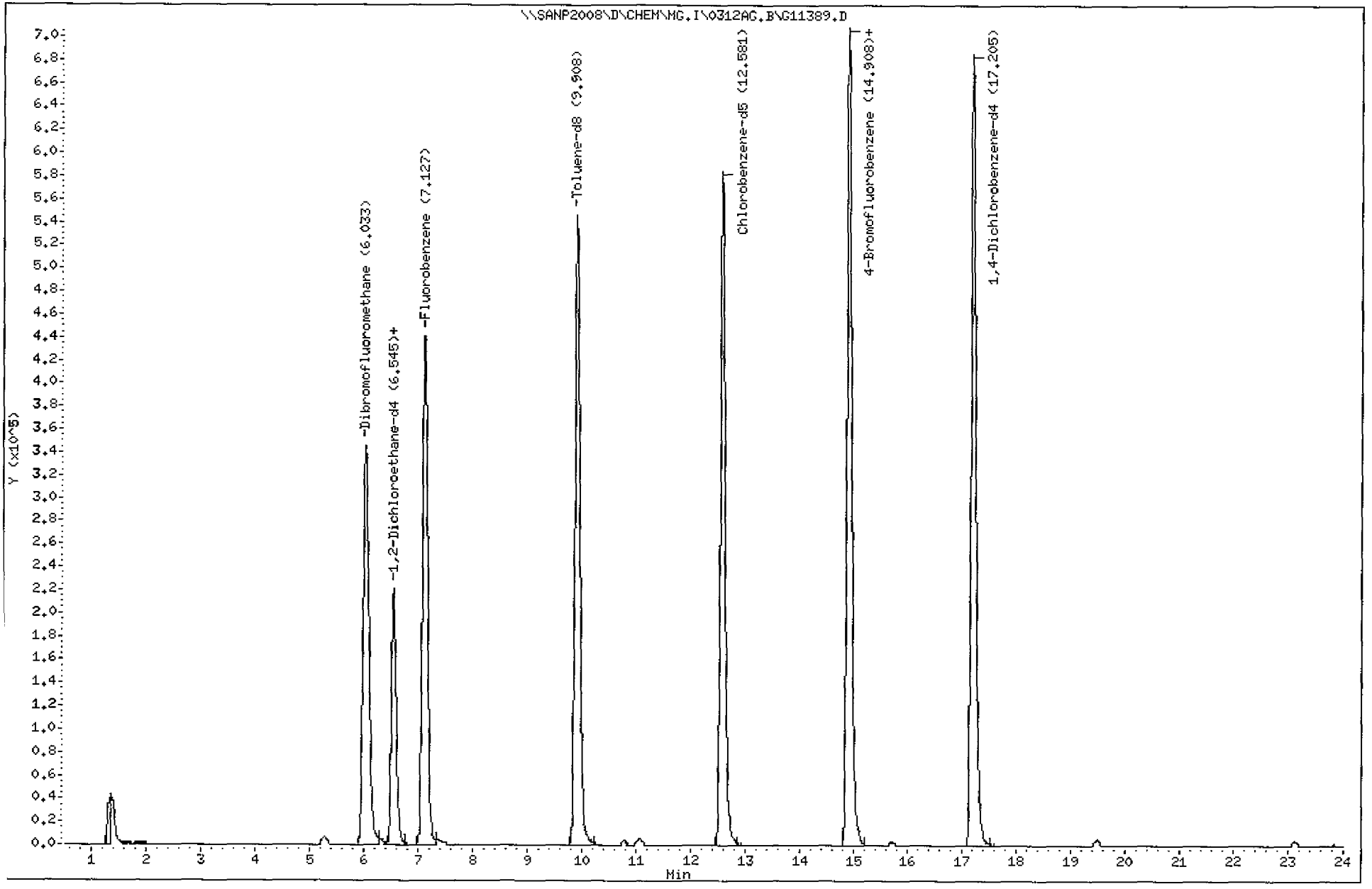
Sample Info: DW7VD1AD,,2,,0,1,0,8260BGS.M,G11389

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11389.D

Date : 12-MAR-2001 18:22

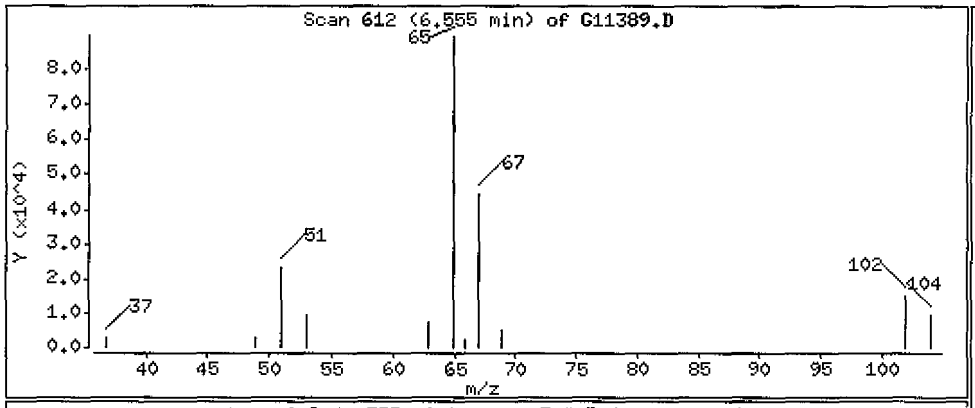
Client ID: G11389 Instrument: mg.i

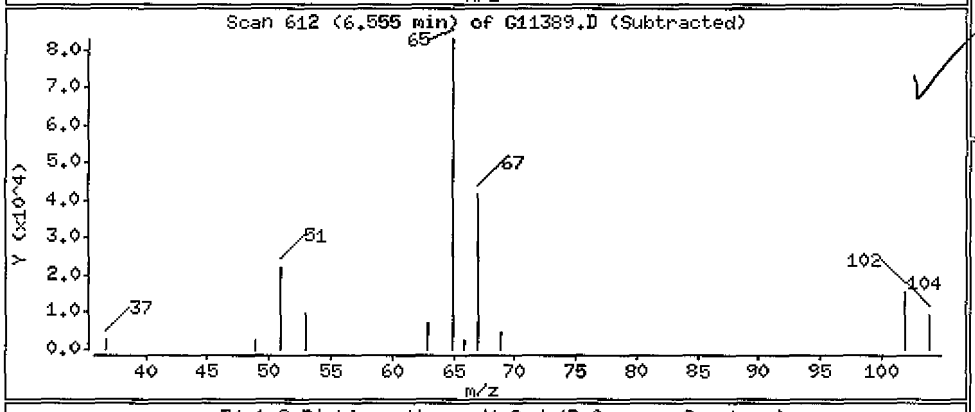
Sample Info: BW7VD1AD,,2,,0,1,0,8260BGS.M,G11389

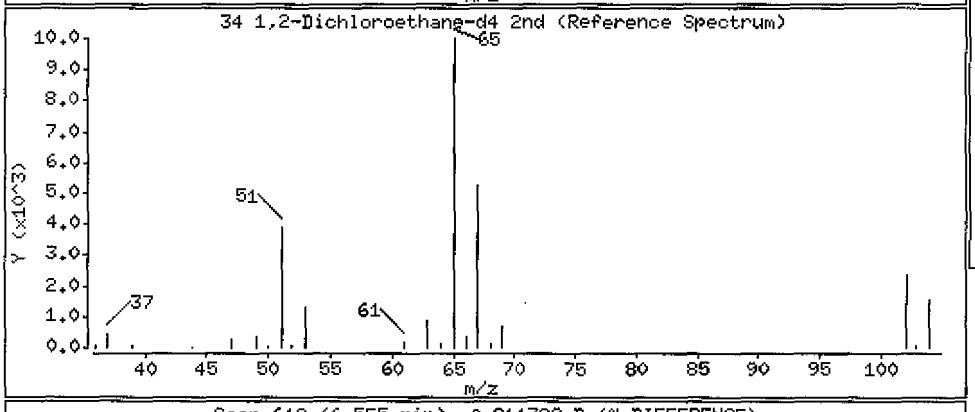
Operator: GFB

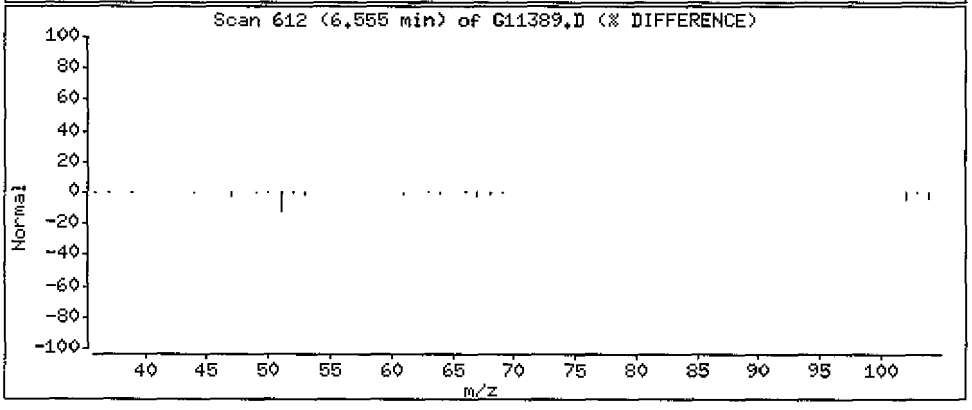
Column phase: J&W DB-624 Column diameter: 0.53

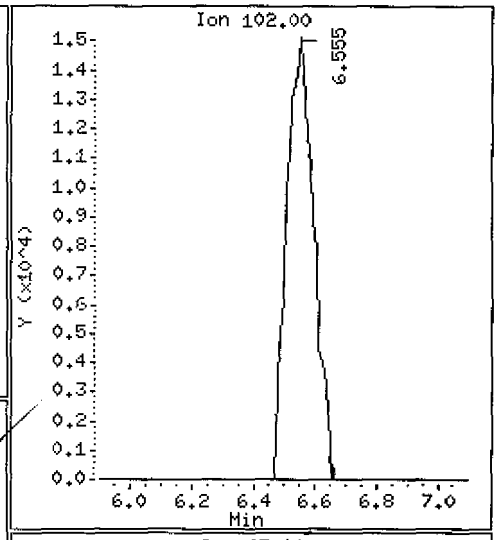
34 1,2-Dichloroethane-d4 2nd Concentration: 47.82 ug/Kg

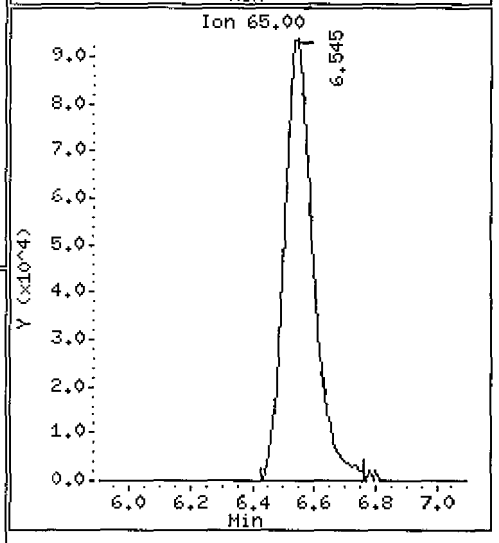












Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11389.D

Date : 12-MAR-2001 18:22

Client ID: G11389

Instrument: mg.i

Sample Info: DW7VD1AD,,2,,0,1,0,8260BGS.M,G11389

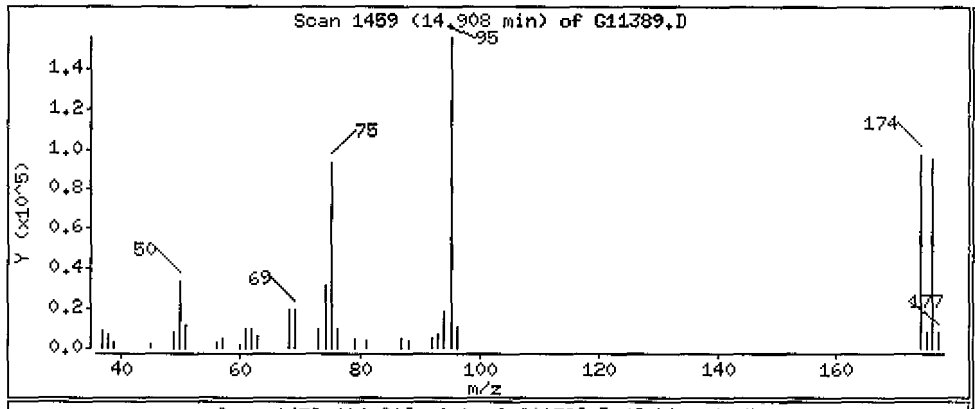
Operator: GFB

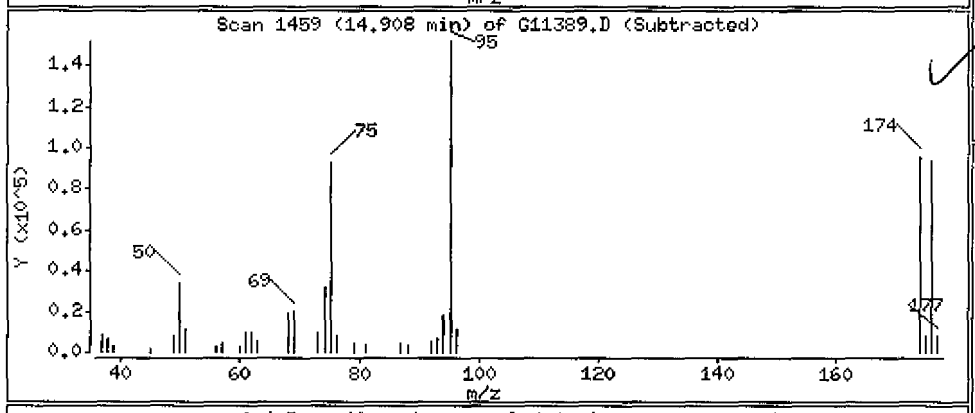
Column phase: J&W DB-624

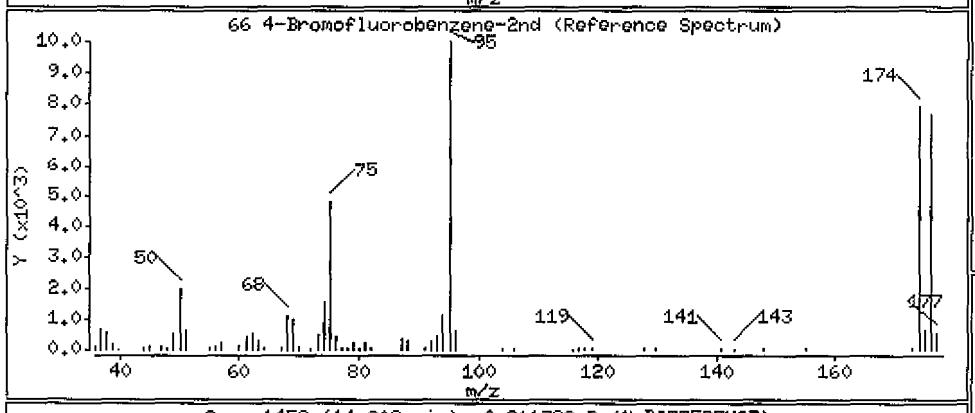
Column diameter: 0.53

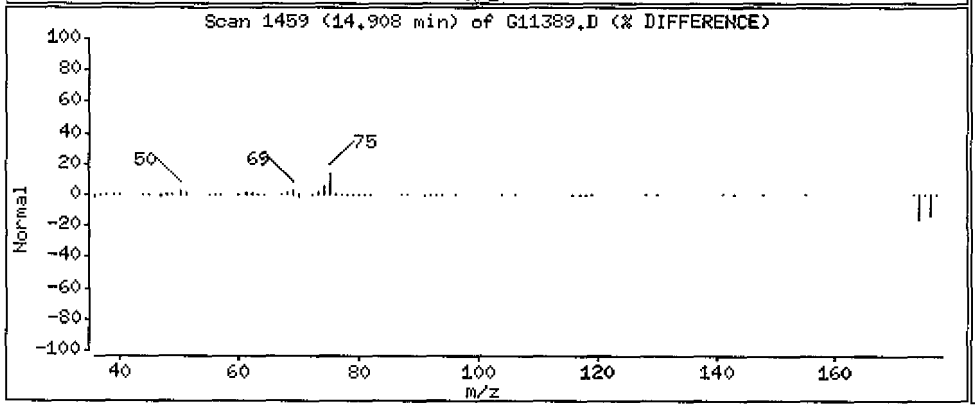
66 4-Bromofluorobenzene-2nd

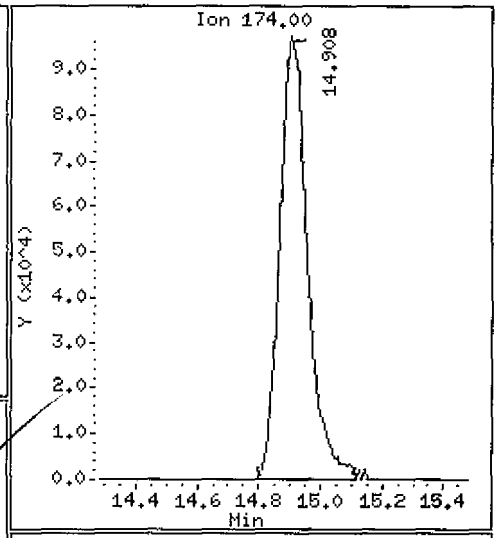
Concentration: 48.26 ug/Kg

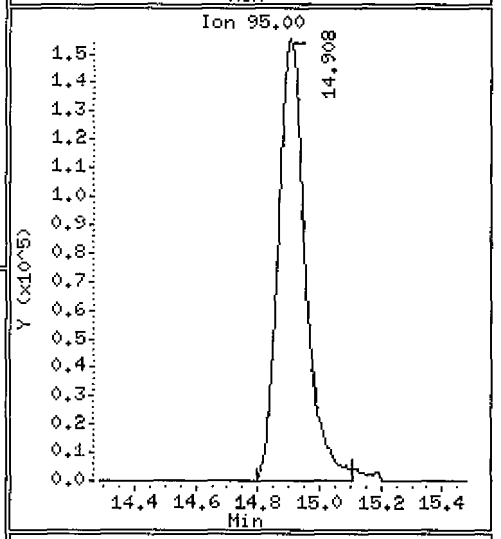


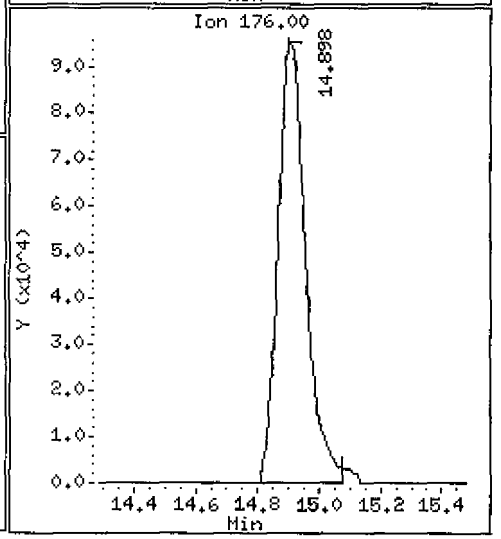












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\0312AG.B\G11390.D
Lab Smp Id: DW7VF1AA Client Smp ID: G11390
Inj Date : 12-MAR-2001 18:55
Operator : GFB Inst ID: mg.i
Smp Info : DW7VF1AA,,2,,0,1,0,8260BGS.M,G11390
Misc Info : 309-6,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Meth Date : 12-Mar-2001 14:47 beckmang Quant Type: ISTD
Cal Date : 06-MAR-2001 16:17 Cal File: GS2750.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.887	2.883	(0.407)	31078	22.2250	22.22
$ 29 Dibromofluoromethane	111	6.003	5.970	(0.847)	877119	52.4643	52.46
$ 33 1,2-Dichloroethane-d4	65	6.516	6.492	(0.919)	721281	52.1041	52.10
34 1,2-Dichloroethane-d4 2nd	102	6.516	6.502	(0.919)	105578	52.2042	52.20
* 38 Fluorobenzene	96	7.088	7.055	(1.000)	1272668	50.0000	
$ 47 Toluene-d8	98	9.889	9.885	(0.787)	1292502	55.3193	55.32
* 56 Chlorobenzene-d5	117	12.571	12.557	(1.000)	1036915	50.0000	
$ 67 4-Bromofluorobenzene	95	14.888	14.885	(0.866)	1022551	50.6685	50.67
66 4-Bromofluorobenzene-2nd	174	14.898	14.885	(0.866)	642798	49.7477	49.75
* 79 1,4-Dichlorobenzene-d4	152	17.196	17.192	(1.000)	671037	50.0000	

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G11390.D
Lab Smp Id: DW7VF1AA
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\0312AG.B\8260BGS.m
Misc Info: 309-6,,5,,0,1-8260B.SUB

Calibration Date: 12-MAR-2001
Calibration Time: 09:01
Client Smp ID: G11390
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602806	801403	3205612	1272668	-20.60
56 Chlorobenzene-d5	1430194	715097	2860388	1036915	-27.50
79 1,4-Dichlorobenze	983272	491636	1966544	671037	-31.75

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.05	6.55	7.55	7.09	0.47
56 Chlorobenzene-d5	12.56	12.06	13.06	12.57	0.11
79 1,4-Dichlorobenze	17.19	16.69	17.69	17.20	0.02

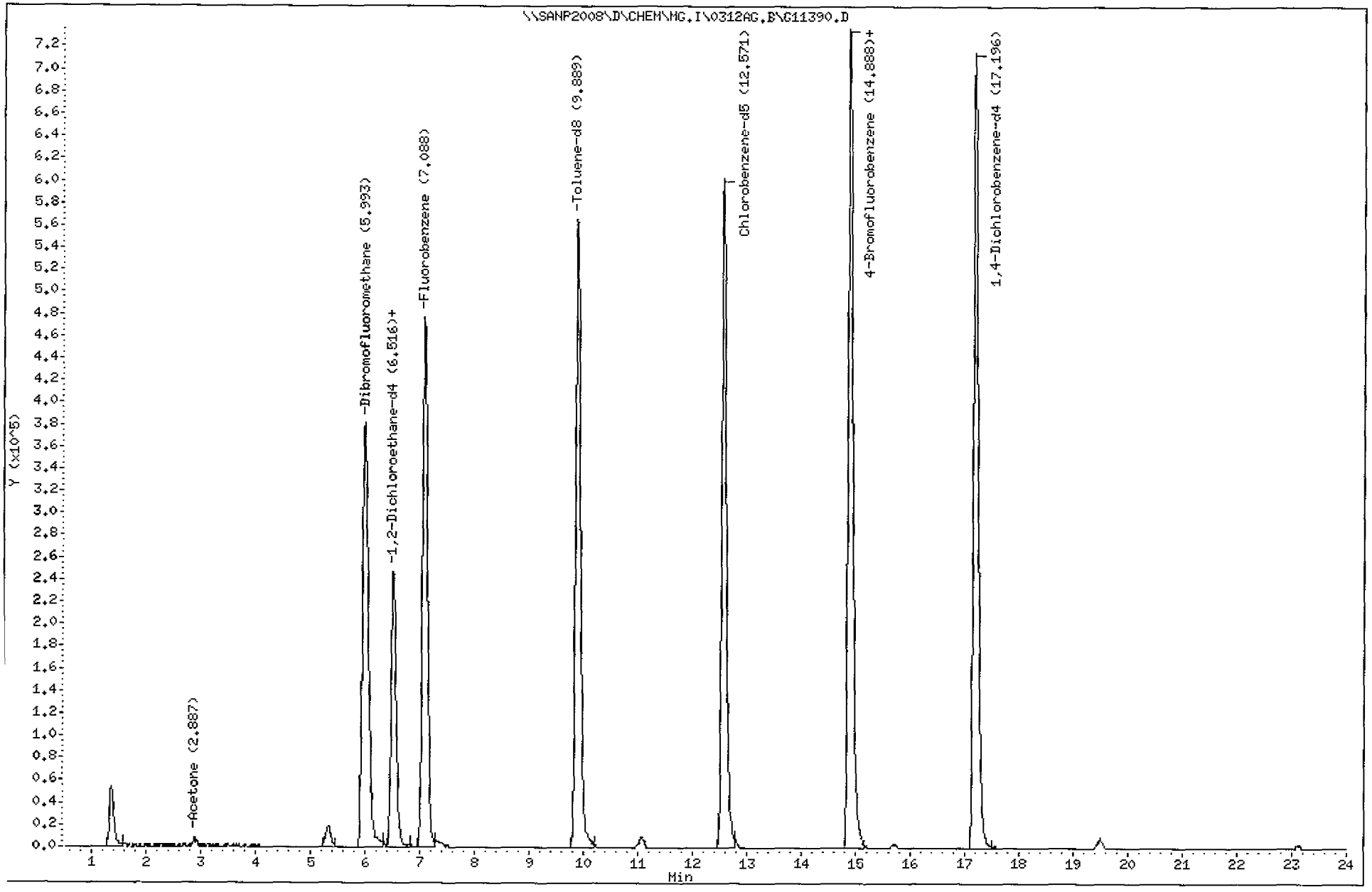
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11390.D
Date : 12-MAR-2001 18:55
Client ID: G11390
Sample Info: DW7VF1AA,,2,,0,1,0,8260BGS.M,G11390

Instrument: mg.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



BOE-C6-0006764

STL Los Angeles

Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11390.D

Date : 12-MAR-2001 18:55

Client ID: G11390

Instrument: mg.i

Sample Info: DW7VF1AA,,2,,0,1,0,8260BGS.M,G11390

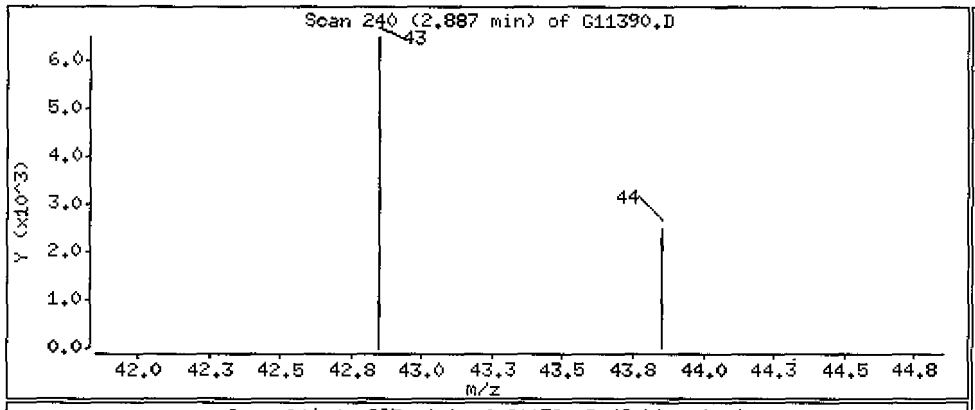
Operator: GFB

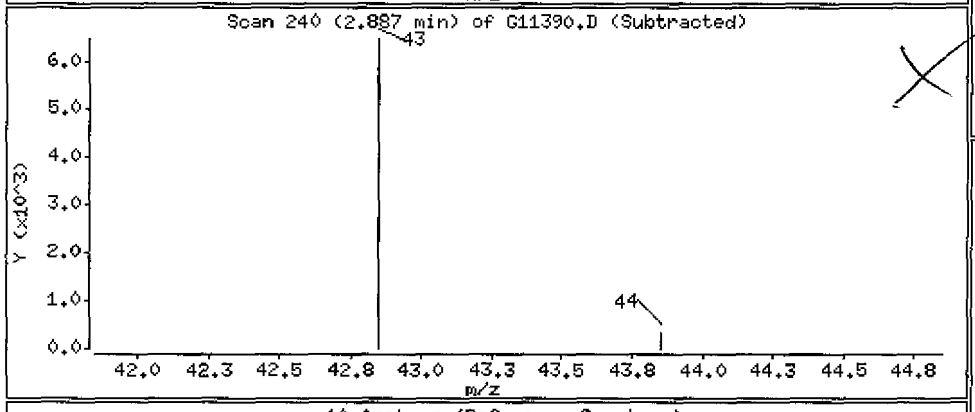
Column phase: J&W DB-624

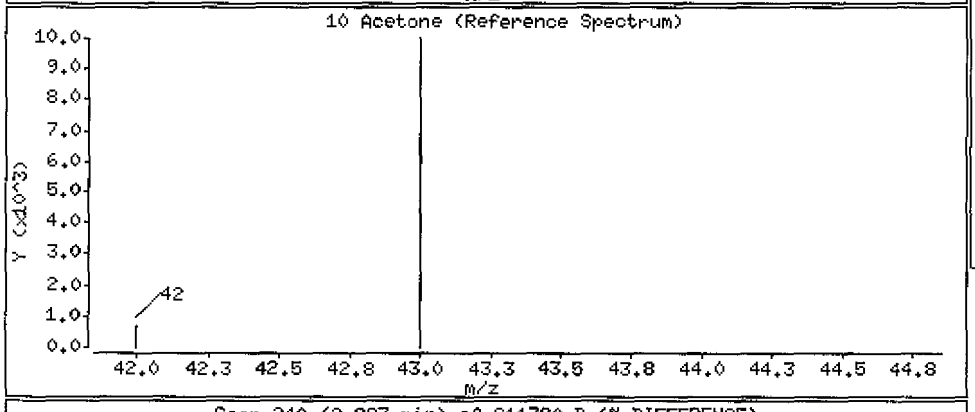
Column diameter: 0.53

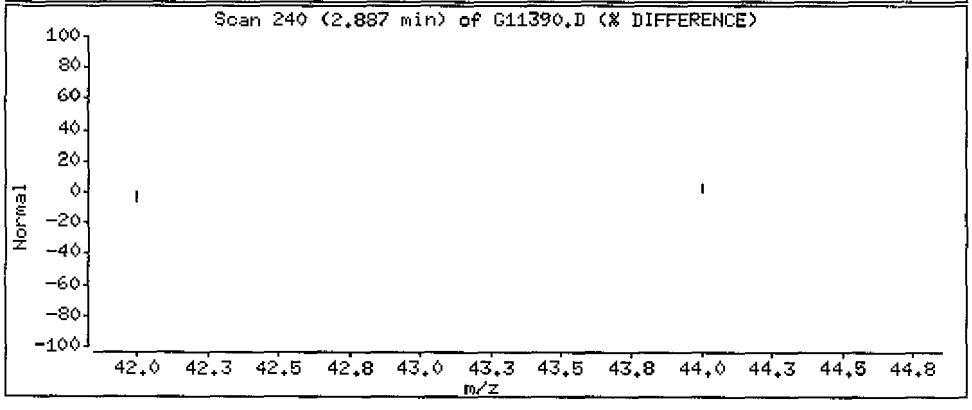
10 Acetone

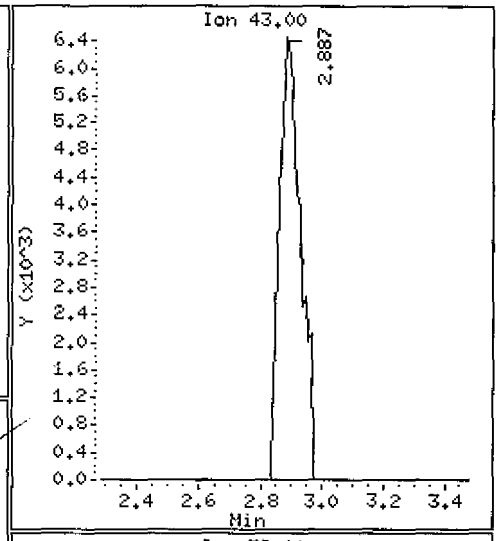
Concentration: 22.22 ug/Kg

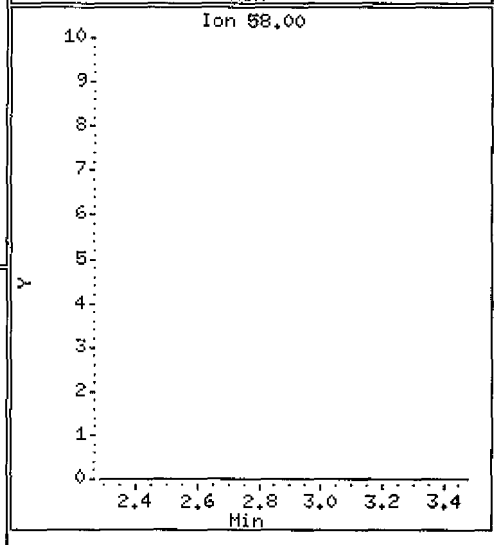












Data File: \\SANP2008\D\CHEM\MC.I\0312AG.B\G11390.D

Date : 12-MAR-2001 18:55

Client ID: G11390

Instrument: mg.i

Sample Info: DW7VF1AA,,2,,0,1,0,8260BGS.M,G11390

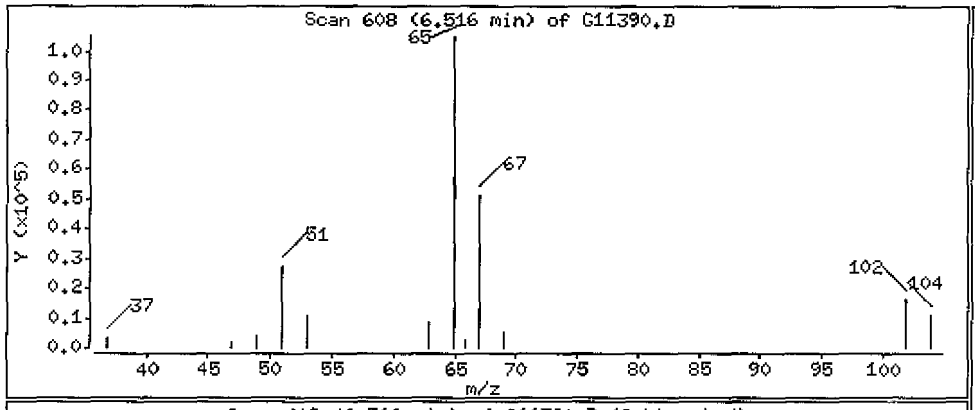
Operator: GFB

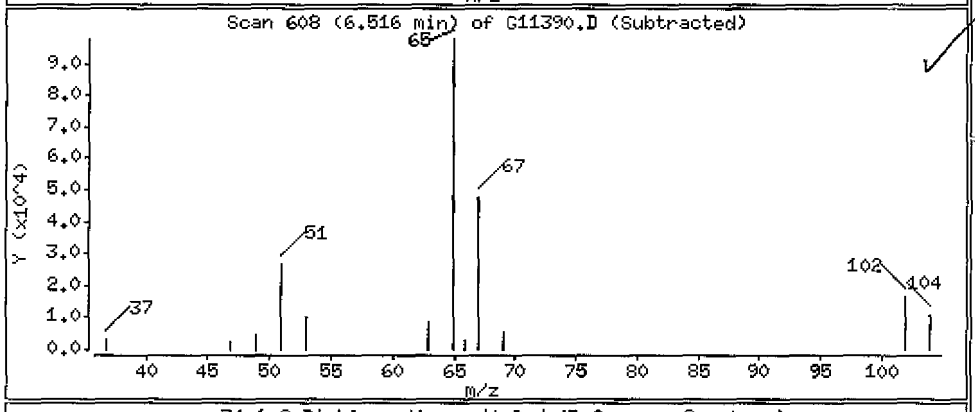
Column phase: J&W DB-624

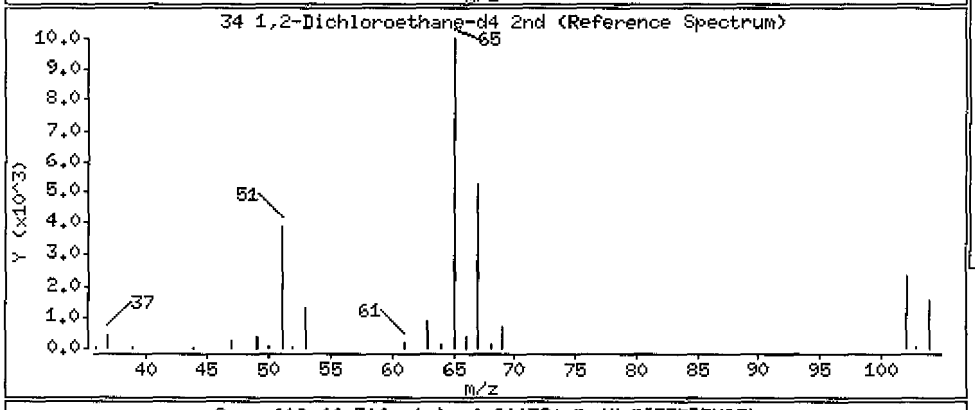
Column diameter: 0.53

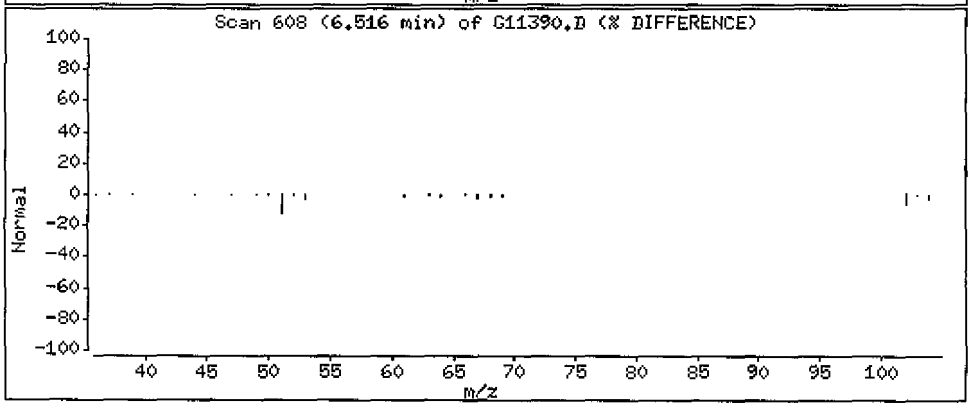
34 1,2-Dichloroethane-d4 2nd

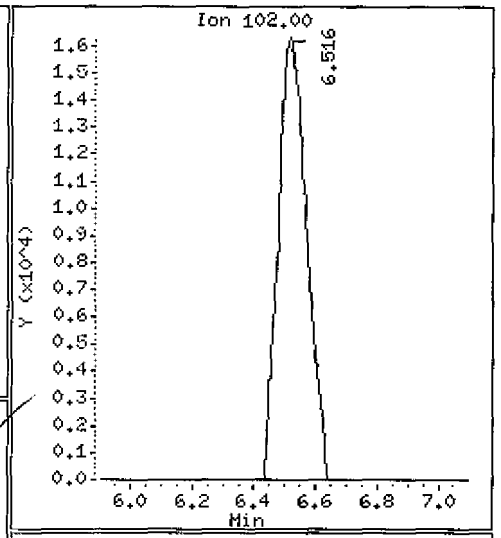
Concentration: 52.20 ug/Kg

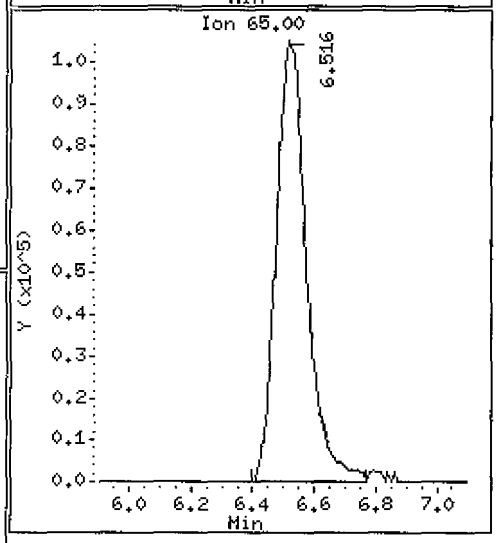












Data File: \\SANP2008\D\CHEM\MG.I\0312AG.B\G11390.D

Date : 12-MAR-2001 18:55

Client ID: G11390

Instrument: mg.i

Sample Info: DW7VF1AA,,2,,0,1,0,8260BGS.M,G11390

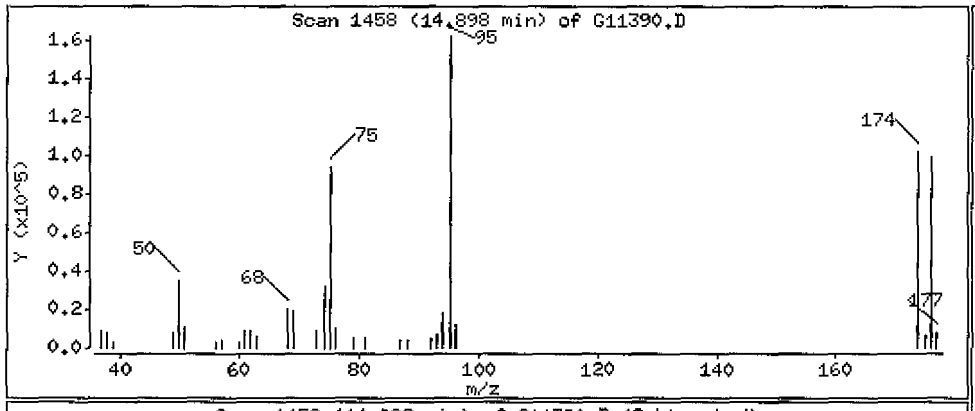
Operator: GFB

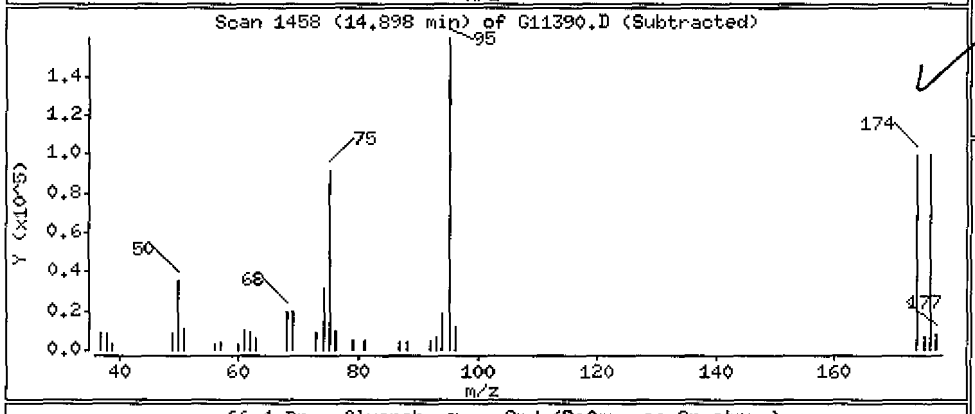
Column phase: J&W DB-624

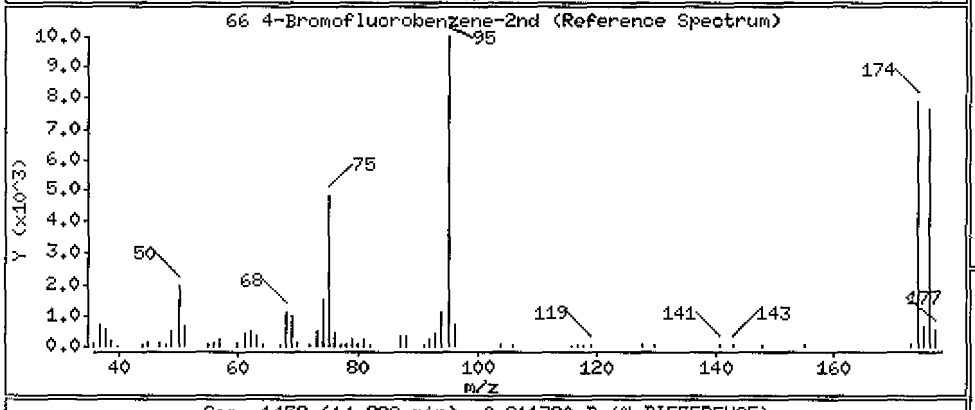
Column diameter: 0.53

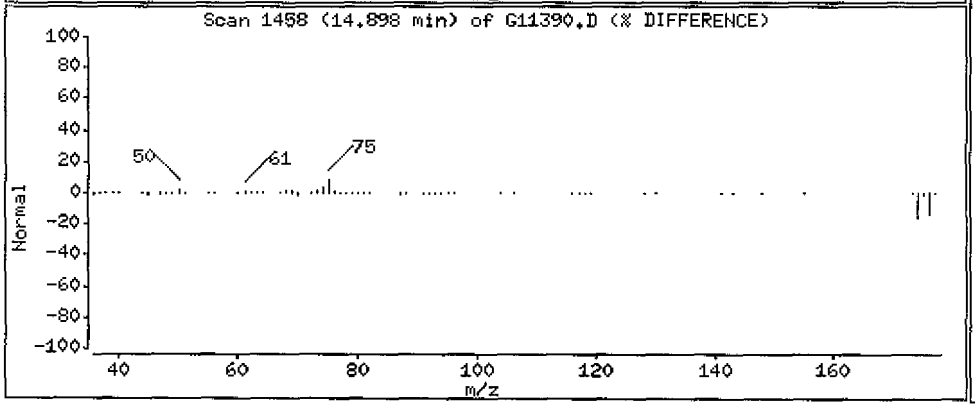
66 4-Bromofluorobenzene-2nd

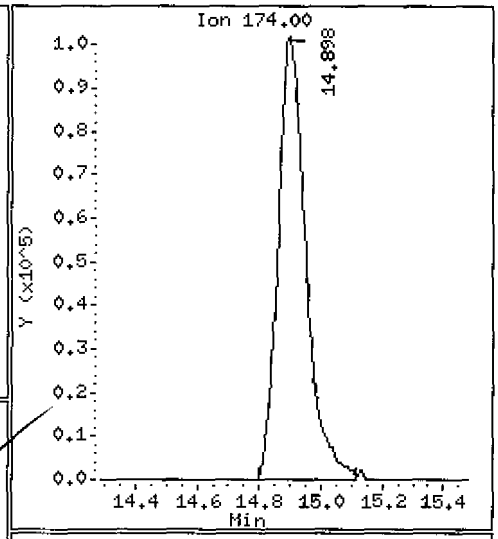
Concentration: 49.75 ug/Kg

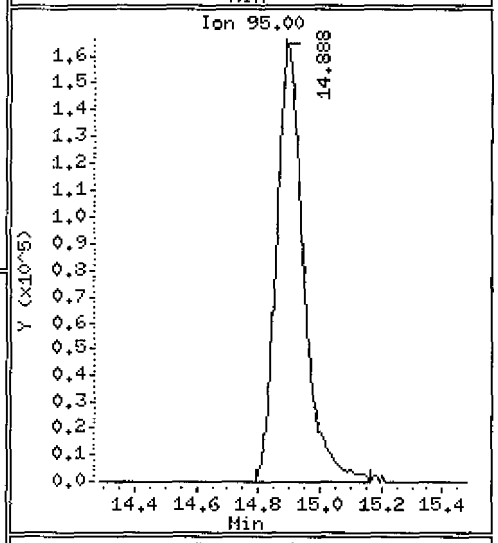


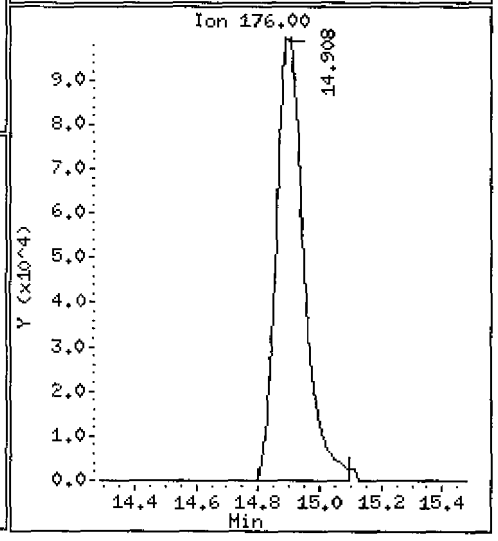












TVPH

LEVEL III

C6 TO C8

TVPH

SAMPLE AND QC DATA

$C_6 \rightarrow C_8$

Date(s) Analyzed: 3-12-01

Instrument ID: GC15 GC16A GC13

Batch #: 1072404

Samples: E1C090309 - B, C, 1, 1S, 1D, 2, 3, 4, 5, 6

Turbochrom Sequence File : C:\TC4\GC16AB\312C6-8.SEQ
Created by : LY on : 3/12/01 10:09 AM
Edited by : JKA on : 3/12/01 05:35 PM
Description : **********STANDARD ID**********
ICAL/CCV STD: TVPH # S-GCV-001-12
QC Gasoline (Low level) S-GCV-001-19
Surrogate TFT: S-CGV-001-10

C090309 - Rush

Number of Times Edited : 11

C6-8

Sequence File Header Information:

Number of Rows : 69
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	BLK 3/12/01	GASCCV	3/12/01	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
2	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Sample	LCS GAS	LCS GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
4	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
5	Sample	C090309-1	309-1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	C090309-2	309-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
7	Sample	C090309-3	309-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
8	Sample	C090309-4	309-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
9	Sample	C090309-5	309-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
10	Sample	C090309-6	309-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
11	Sample	C090309-1MS	309-1MS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	C090309-1MSD	309-1MSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	C080299-25	299-25	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	C080299-37	299-37	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	GASCCV			1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
16	Sample	C090323-22	323-22	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	C090323-23	323-23	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	C090323-24	323-24	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	C090323-25	323-25	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	C090323-26	323-26	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	C090323-27	323-27	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
22	Sample	C090323-28	323-28	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	C090323-29	323-29	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
24	Sample	C090323-30	323-30	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
25	Sample	C090323-31	323-31	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
26	Sample	C090323-33	323-33	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	C090323-34	323-34	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	GASCCV		CLOSING	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
29	Sample	GASCCV		BEGINNING	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
30	Sample	LCS-W	LCS-W	WATER	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
31	Sample	BLK-W	BLK-W	WATER	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
32	Sample	BLK-W	BLK-W	WATER	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
33	Sample	C090241-1	241-1	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
34	Sample	C090241-2	241-2	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
35	Sample	C090241-3	241-3	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
36	Sample	C090241-4	241-4	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
37	Sample	C090241-5	241-5	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
38	Sample	C090241-6	241-6	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
39	Sample	C090241-7	241-7	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
40	Sample	C090241-8	241-8	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
41	Sample	C090241-9	241-9	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
42	Sample	C090241-10	241-10	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
43	Sample	241-7MS	241-7MS	WATER	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
44	Sample	241-7MSD	241-7MSD	WATER	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
45	Sample	C090323-32 TB	C090323-32	PH<2 C6-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
46	Sample	TB FOR 3/12/01-	TB 3/12/01	PH<2 C6-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
47	Sample	GASCCV			1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
48	Sample	LCS-S	LCS-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
49	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
50	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
51	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
52	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
53	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
54	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

Not 2LOI

BSK 3/13/01

BOF-C6-0006770

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
Operator :

Time : 3/12/01 11:29 AM
Study :

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

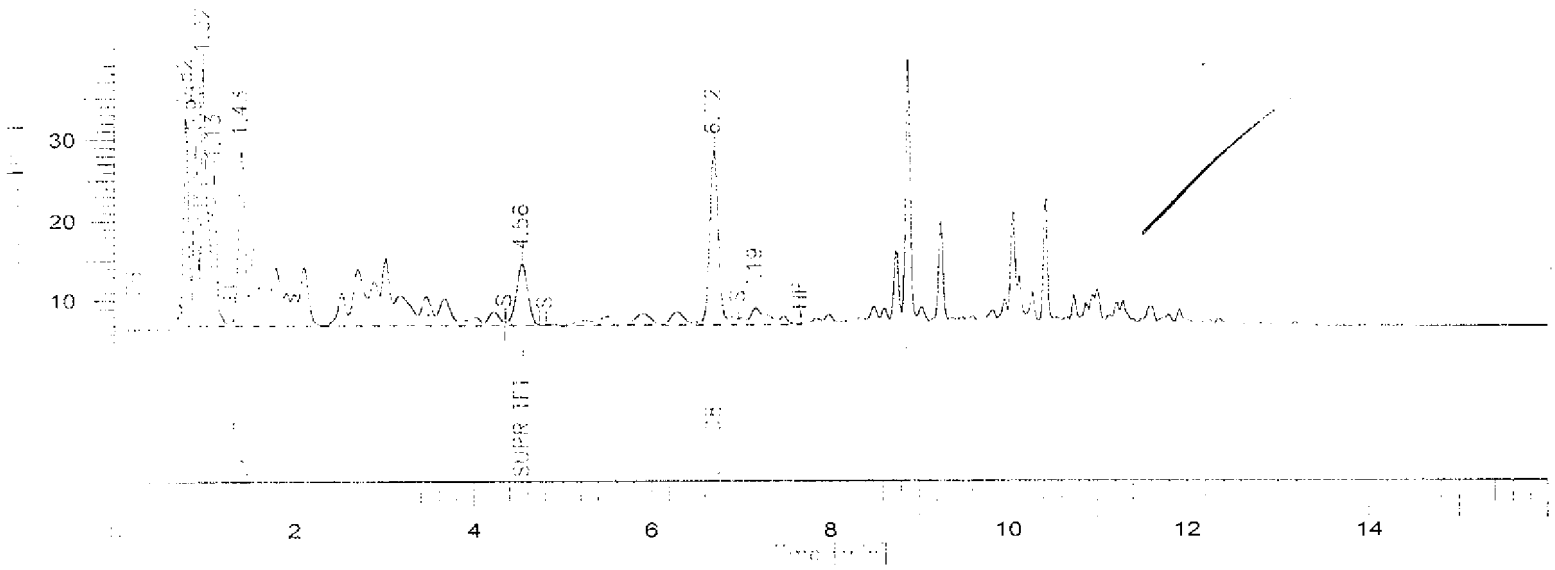
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 11:13 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A002.RAW
Result File : C:\TC4\GC16AB\312A002.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A002.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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BOE-C6-0006771

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
4.56	SURR TFT	66839	0.0393	0.0400	-1.7
6.72	GASOLINE RANGE	842362	1.0939	1.0000	9.4
		909201			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.43	C6-C7	634794	1.1082	1.0000	10.8
6.72	C7-C8	207568	1.0523	1.0000	5.2
		842362			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A002.TX0

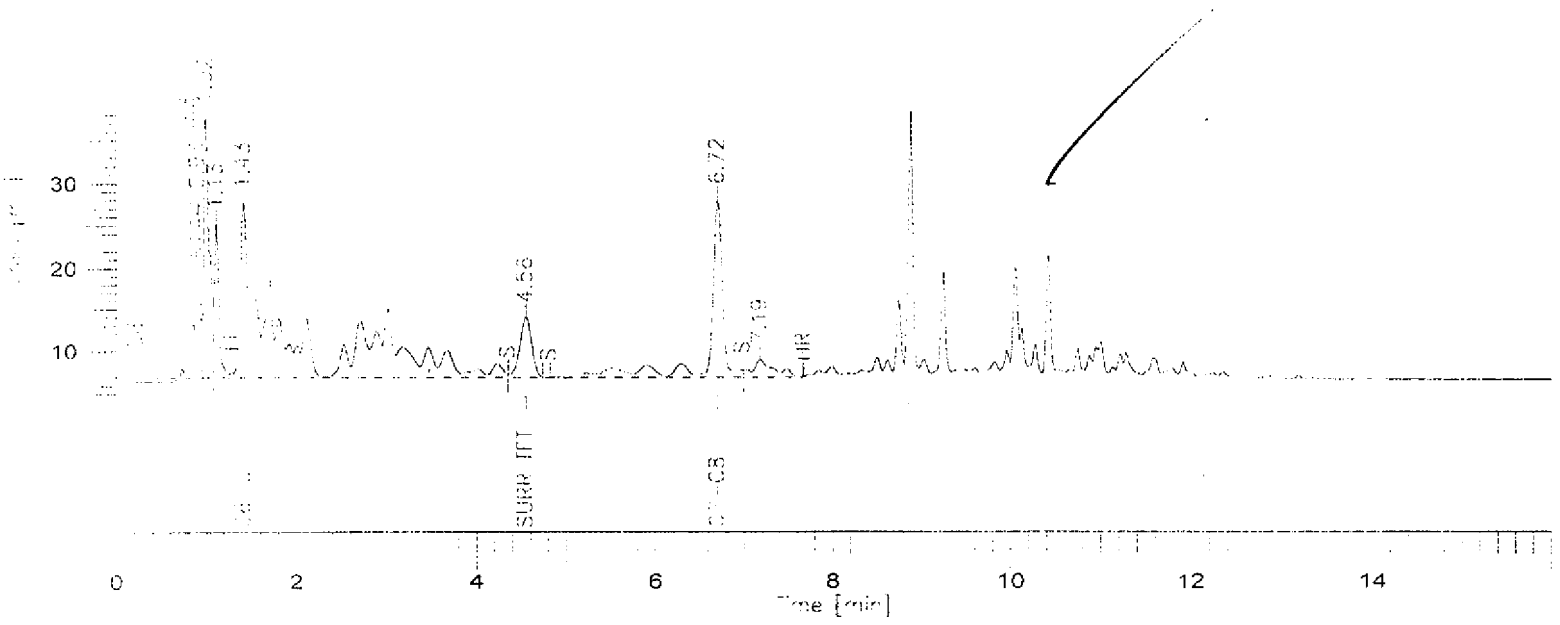
Software Version: 4.1<2F12>
Sample Name : GASCCV Time : 3/12/01 06:23 PM
Sample Number: Study :
Operator :

Instrument : GC16AB Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 06:07 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A015.RAW
Result File : C:\TC4\GC16AB\312A015.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A015.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-16/FID COLUMN: DB-624

BOE-C6-0006773

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
4.56	SURR TFT	63268	0.0373	0.0400	-6.8
6.72	GASOLINE RANGE	825949	1.0706	1.0000	7.1
		889217			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.43	C6-C7	623290	1.0863	1.0000	8.6
6.72	C7-C8	202659	1.0251	1.0000	2.5
		825949			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A015.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number:
Operator :

Time : 3/13/01 12:36 AM
Study : CLOSING

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

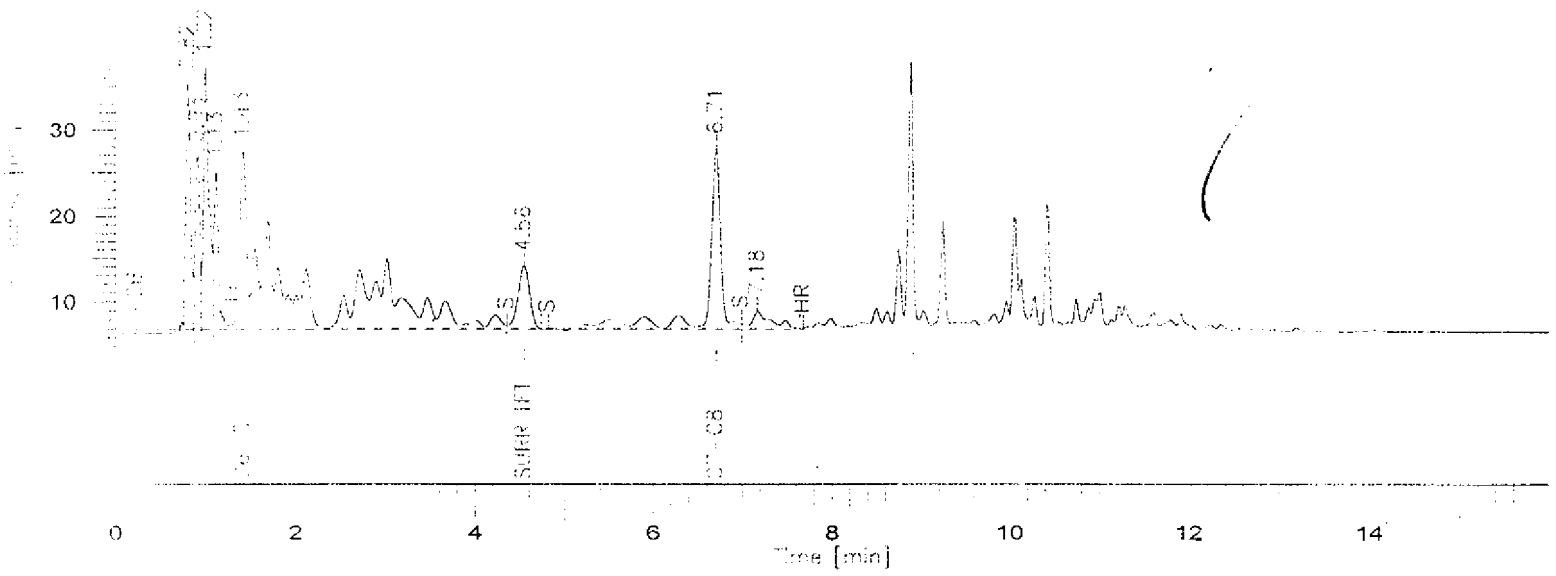
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 3/13/01 12:20 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A028.RAW
Result File : C:\TC4\GC16AB\312A028.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A028.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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BOE-C6-0006775

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
4.56	SURR TFT	63186	0.0372	0.0400	-6.9
6.71	GASOLINE RANGE	812137	1.0509	1.0000	5.1
		875323			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.43	C6-C7	613394	1.0674	1.0000	6.7
6.71	C7-C8	198743	1.0034	1.0000	0.3
		812137			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A028.TX0

Lot/Sample: E1C130000-404B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DXAXR-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 12:16 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A004
Instr ID: G16 Column: ID: .00
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:54:15
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..: .0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			ND	1	0.1		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1575	78.75		

BOE-C6-0006777

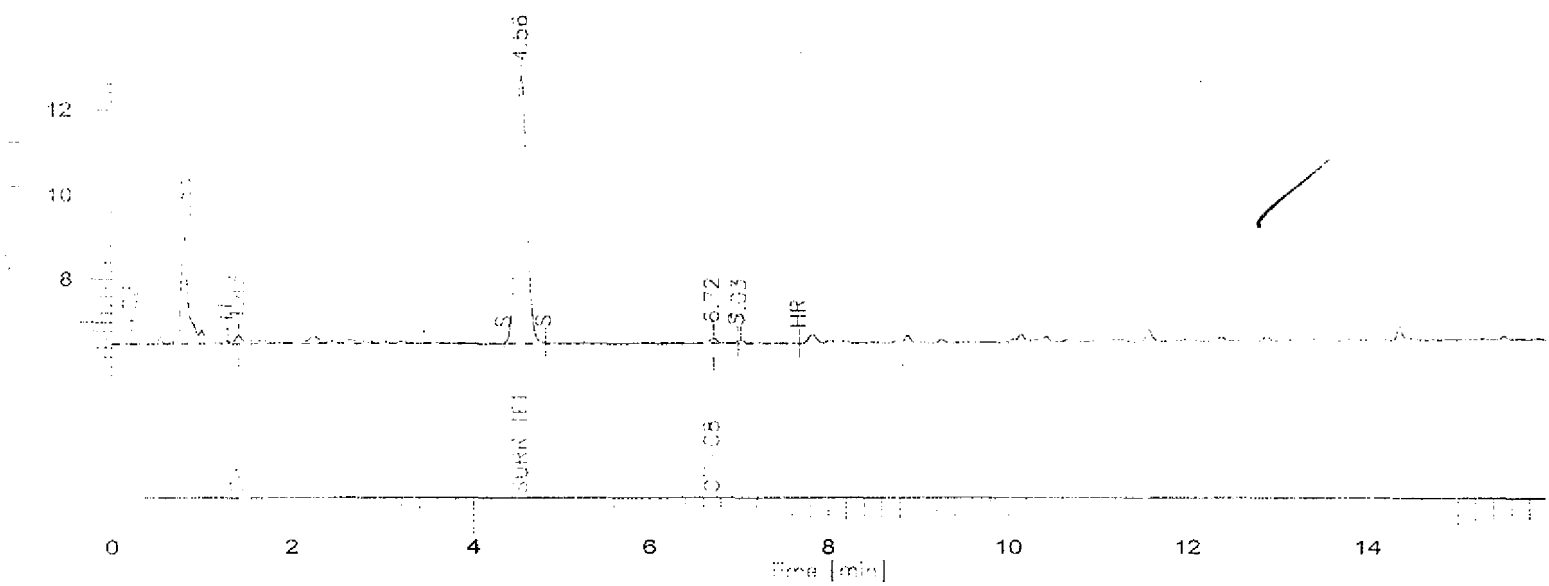
Software Version: 4.1<2F12>
Sample Name : MB S Time : 3/12/01 12:32 PM
Sample Number: MB S Study :
Operator :

Instrument : GC16AB Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 12:16 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A004.RAW
Result File : C:\TC4\GC16AB\312A004.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A004.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.43	GASOLINE RANGE	7807	-0.4596	-----	1.00		-0.0919
4.56	SURR TFT	53076	0.1575	78.7	0.00		0.0315
		60883					-0.0604

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.43	C6-C7	6772	-0.4593	-----	1.00		-0.0919
6.72	C7-C8	1035	-0.4604	-----	1.00		-0.0921
		7807					-0.1839

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A004.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 3/13/2001
Time 12:58:42

Lot/Sample: E1C130000-404C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DXAXR-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 11:48 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A003
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:47:20
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04394	Gasoline Range Organics				NA	0	0		NA
04273	Gasoline Range Organics			5.0	NA	0	0		NA
04863	Gasoline Range Organics			5.0	NA	0	0		NA
02909	TPH (as Gasoline)			5.0	5.2917	105.8	0		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2258	112.9		

BOE-C6-0006780

Software Version: 4.1<2F12>
Sample Name : LCS GAS
Sample Number: LCS GAS
Operator :

Time : 3/12/01 12:04 PM
Study :

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

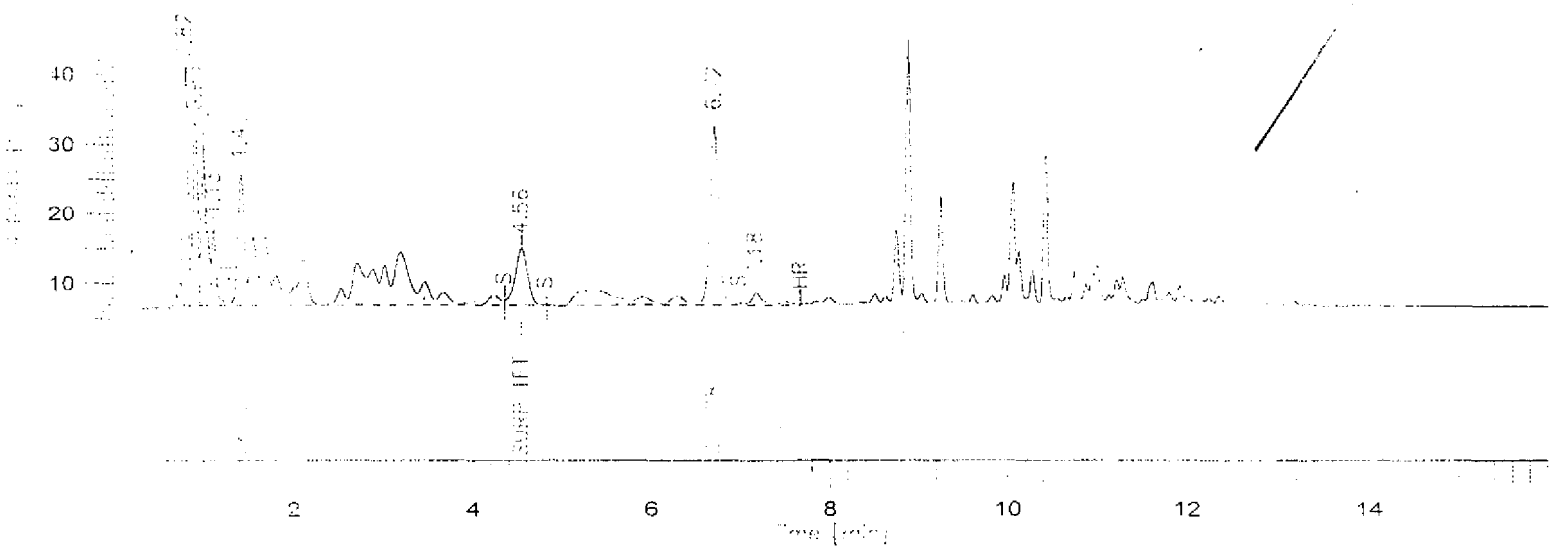
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 11:48 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A003.RAW
Result File : C:\TC4\GC16AB\312A003.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A003.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-16/FID COLUMN: DB-624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
4.56	SURR TFT	76857	0.2258	0.0400	112.9		0.0452
6.72	GASOLINE RANGE	817341	5.2917	1.0000	105.8		1.0583
		894198					1.1035

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
1.43	C6-C7	551434	4.7448	1.0000	94.9		0.9490
6.72	C7-C8	265907	6.8776	1.0000	137.6		1.3755
		817341					2.3245

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A003.TX0

BOE-C6-0006782

Lot/Sample: E1C090309-001 Source-J-1-0309 TICs.....: N Report Results: Y
WO#.....: DW7TV-1-AD Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 13:21 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A005
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:56:21
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number: 1072196
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..: .0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
04394	Gasoline Range Organics	*		NA				NA
05134	C6-C8			ND	1	0.1		
04273	Gasoline Range Organics	*		NA	1	0.1		NA
04863	Gasoline Range Organics	*		NA	1	0.1		NA
02909	TPH (as Gasoline)	*		NA	1	0.1		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1661	83.05		

BOE-C6-0006783

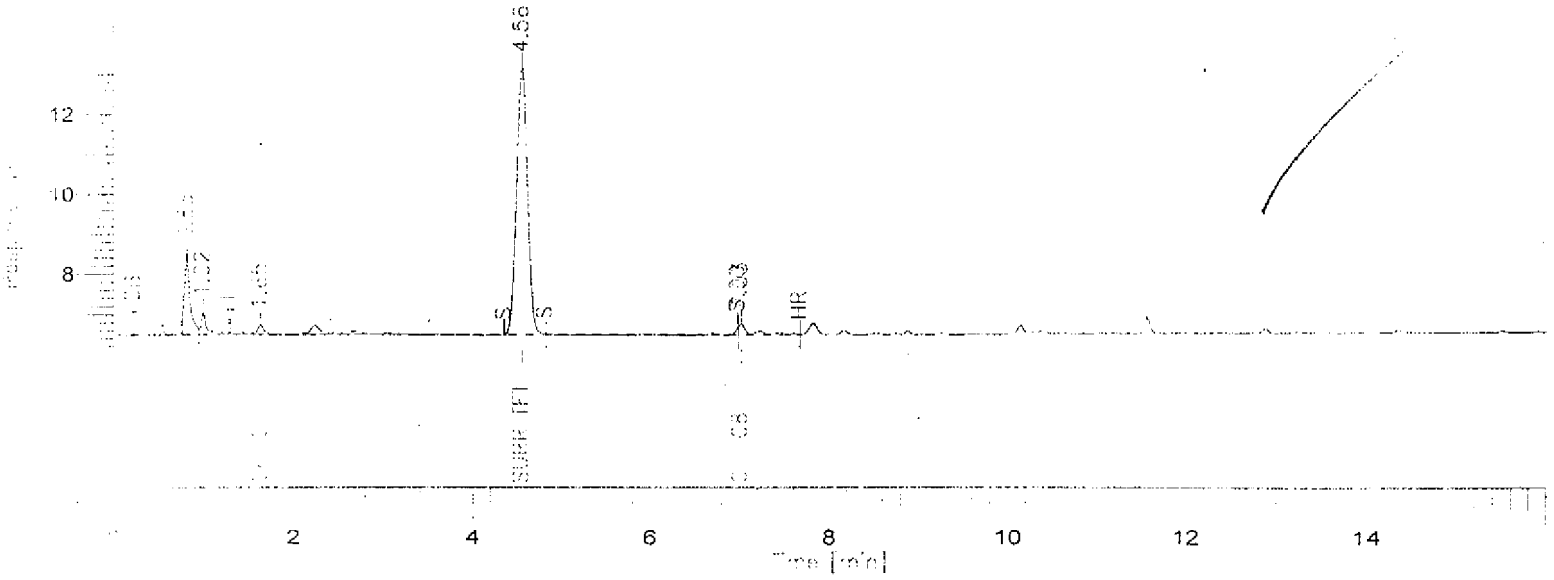
Software Version: 4.1<2F12>
Sample Name : C090309-1 Time : 3/12/01 01:37 PM
Sample Number: 309-1 Study : LOW SOIL
Operator :

Instrument : GC16AB Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 01:21 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A005.RAW
Result File : C:\TC4\GC16AB\312A005.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A005.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-16/FID COLUMN: DB-624

BOE-C6-0006784

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.56	SURR TFT	56138	0.1661	83.0	0.00		0.0332
7.03	GASOLINE RANGE	6823	-0.4666	-----	1.00		-0.0933
		62961					-0.0601

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.65	C6-C7	4762	-0.4785	-----	1.00		-0.0957
7.03	C7-C8	2061	-0.4320	-----	1.00		-0.0864
		6823					-0.1821

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A005.TX0

Lot/Sample: E1C090309-001S Source-J-1-0309 TICs.....: N Report Results: Y
WO#.....: DW7TV-1-A2 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 16:13 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A011
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:47:22
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number: 1072196
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04394	Gasoline Range Organics				NA	0	0		NA
	Sample amount: NA								
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	4.9523	99.04	0.23		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2202	110.1		

BOE-C6-0006786

Software Version: 4.1<2F12>
Sample Name : C090309-1MS
Sample Number: 309-1MS
Operator :

Time : 3/12/01 04:29 PM
Study : LOW SOIL

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

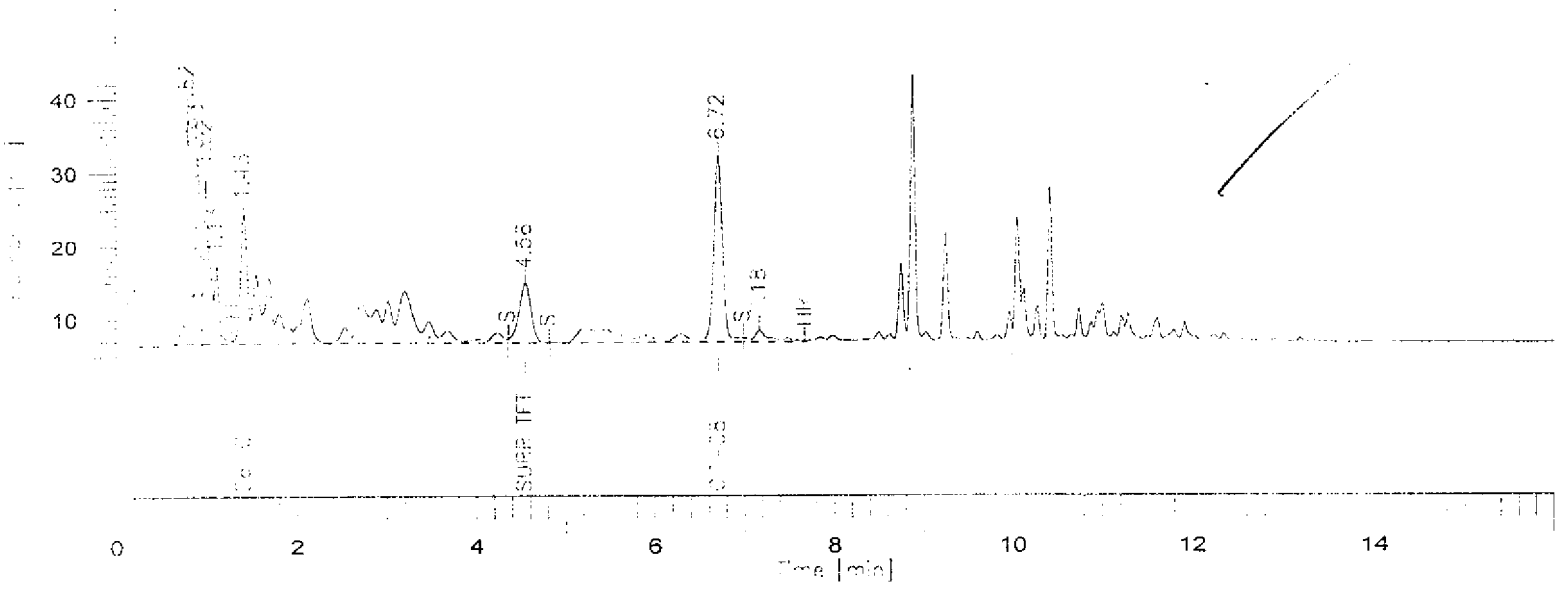
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 04:13 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A011.RAW
Result File : C:\TC4\GC16AB\312A011.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A011.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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BOE-C6-0006787

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
4.56	SURR TFT	74959	0.2202	0.0400	110.1		0.0440
6.72	GASOLINE RANGE	769565	4.9523	1.0000	99.0		0.9905
		844524					1.0345

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
1.43	C6-C7	517926	4.4246	1.0000	88.5		0.8849
6.72	C7-C8	251639	6.4823	1.0000	129.6		1.2965
		769565					2.1814

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A011.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 3/13/2001
Time 12:58:42

Lot/Sample: E1C090309-001D Source-J-1-0309 TICs.....: N Report Results: Y
WO#.....: DW7TV-1-A3 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 16:41 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A012
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:47:23
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number: 1072196
Prep Time....: 0:00- 0:00
Init **Wgt/Vol.**: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04394	Gasoline Range Organics				NA	0	0		NA
	Sample amount: NA								
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	4.9638	99.27	0.23		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2211	110.55		

BOE-C6-0006789

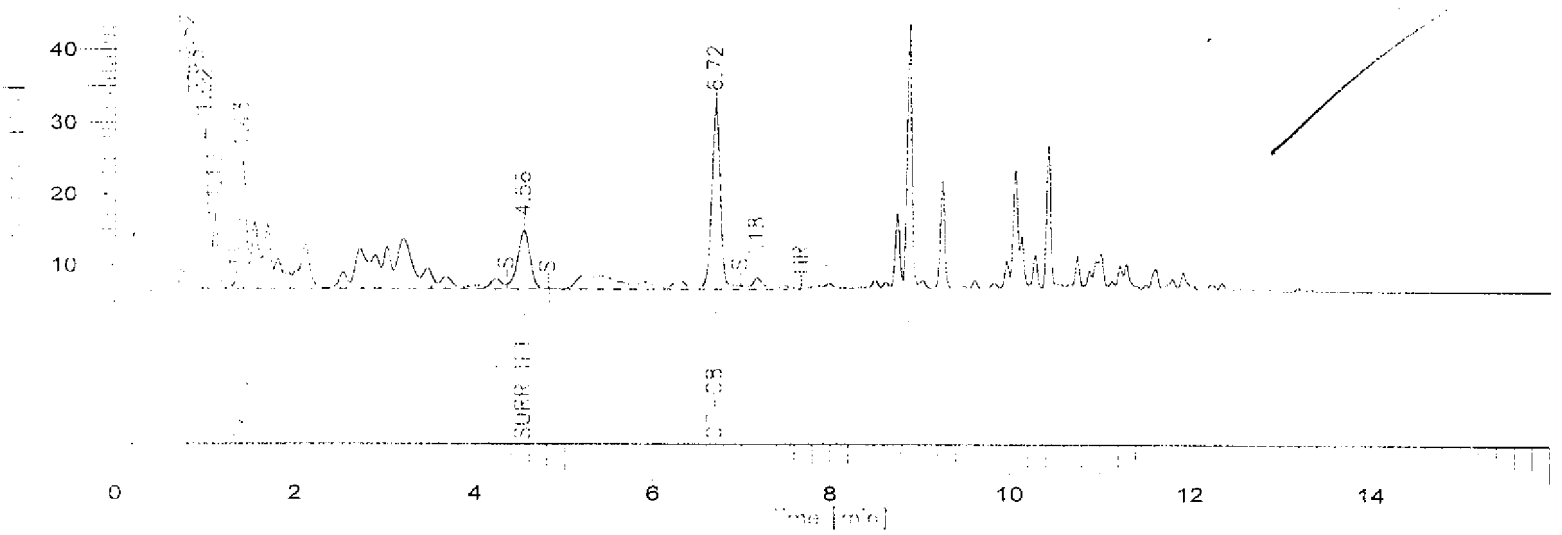
Software Version: 4.1<2F12>
Sample Name : C090309-1MSD Time : 3/12/01 04:57 PM
Sample Number: 309-1MSD Study : LOW SOIL
Operator :

Instrument : GC16AB Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 04:41 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A012.RAW
Result File : C:\TC4\GC16AB\312A012.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A012.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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BOE-C6-0006790

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
4.56	SURR TFT	75252	0.2211	0.0400	110.5		0.0442
6.72	GASOLINE RANGE	771188	4.9638	1.0000	99.3		0.9928
		846440					1.0370

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
1.43	C6-C7	518558	4.4306	1.0000	88.6		0.8861
6.72	C7-C8	252630	6.5097	1.0000	130.2		1.3019
		771188					2.1881

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A012.TX0

BOE-C6-0006791

Lot/Sample: E1C090309-002 Source-J-2-0309 TICs.....: N Report Results: Y
WO#.....: DW7T4-1-AF Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 13:50 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A006
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:57:00
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number: 1072196
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: **mL**
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..: .0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			ND	1	0.1		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1666	83.3		

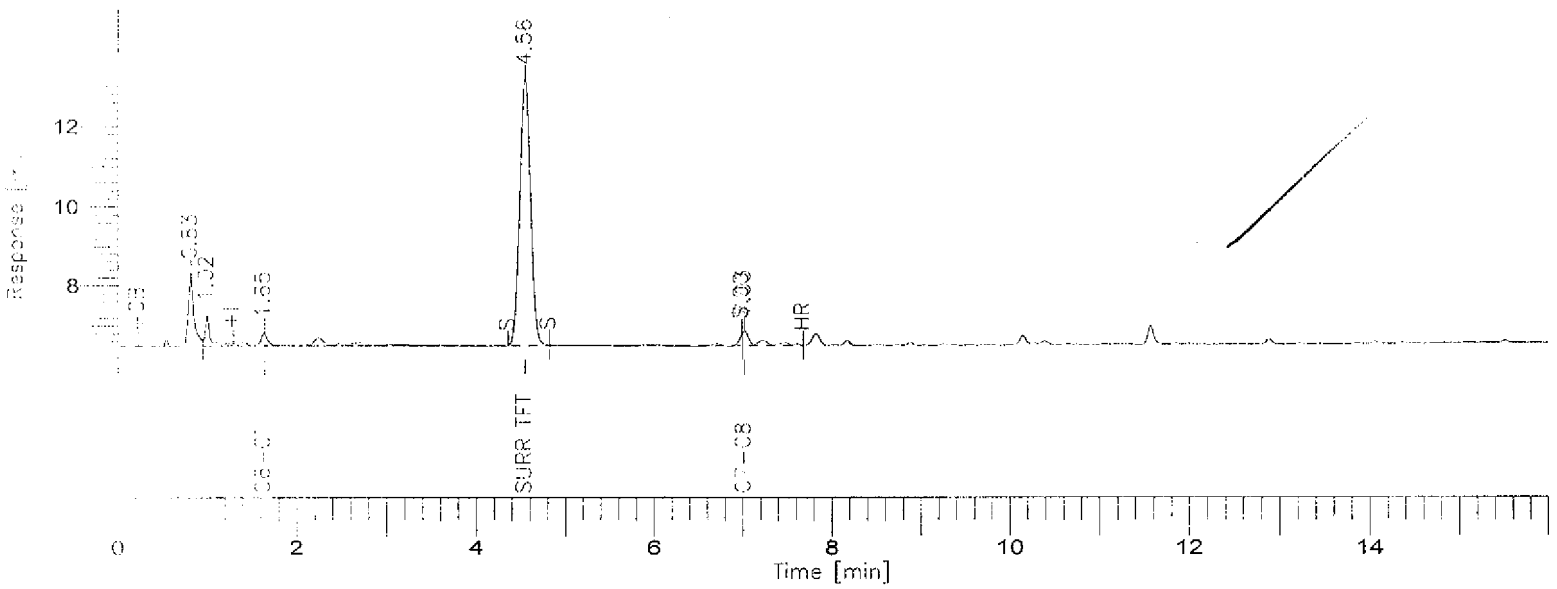
Software Version: 4.1<2F12>
Sample Name : C090309-2 Time : 3/12/01 02:06 PM
Sample Number: 309-2 Study : LOW SOIL
Operator :

Instrument : GC16AB Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 01:50 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A006.RAW
Result File : C:\TC4\GC16AB\312A006.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A006.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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BOE-C6-0006793

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.56	SURR TFT	56327	0.1666	83.3	0.00		0.0333
7.03	GASOLINE RANGE	8927	-0.4516	-----	1.00		-0.0903
		65254					-0.0570

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.65	C6-C7	5877	-0.4678	-----	1.00		-0.0936
7.03	C7-C8	3050	-0.4046	-----	1.00		-0.0809
		8927					-0.1745

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A006.TX0

Lot/Sample: E1C090309-003 Source-J-3-0309 TICs.....: N Report Results: Y
WO#.....: DW7T7-1-AF Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 14:18 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A007
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:57:07
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number: 1072196
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..: .0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			ND	1	0.1		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1688	84.4		

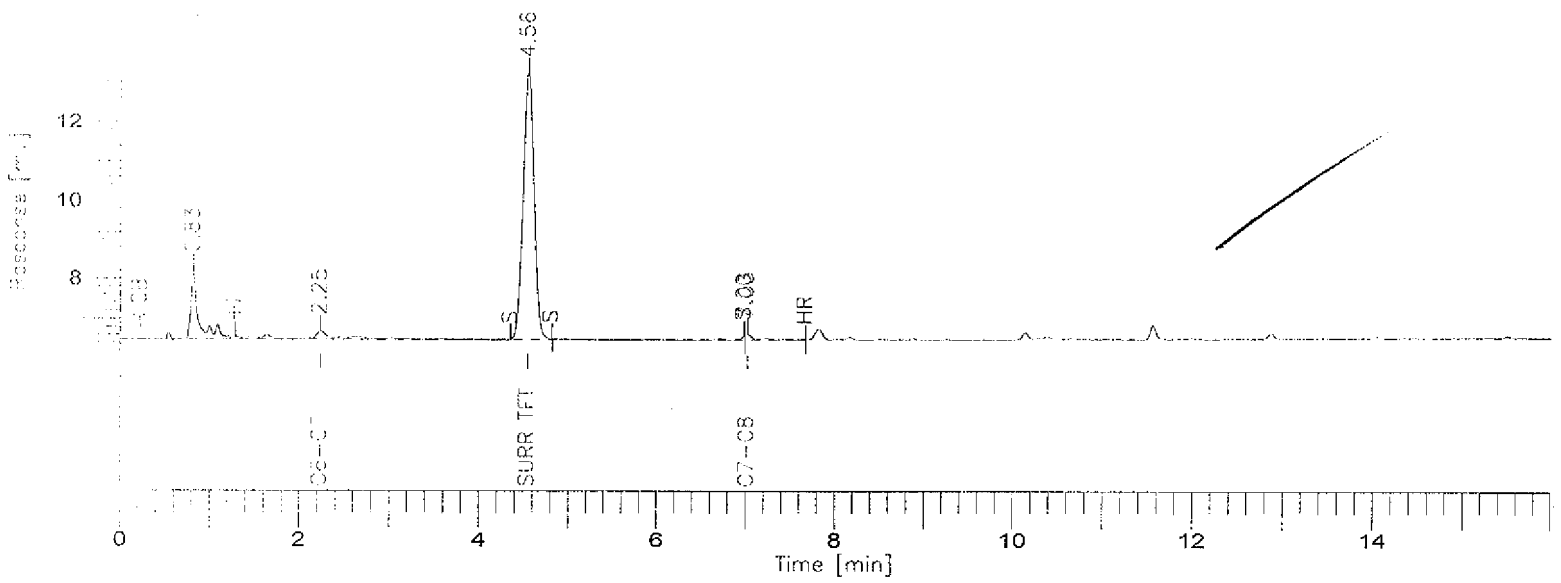
Software Version: 4.1<2F12>
Sample Name : C090309-3 Time : 3/12/01 02:34 PM
Sample Number: 309-3 Study : LOW SOIL
Operator :

Instrument : GC16AB Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 02:18 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A007.RAW
Result File : C:\TC4\GC16AB\312A007.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A007.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.25	GASOLINE RANGE	5690	-0.4746	-----	1.00		-0.0949
4.56	SURR TFT	57086	0.1688	84.4	0.00		0.0338
		62776					-0.0612

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.25	C6-C7	4602	-0.4800	-----	1.00		-0.0960
7.03	C7-C8	1088	-0.4589	-----	1.00		-0.0918
		5690					-0.1878

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A007.TX0

BOE-C6-0006797

Lot/Sample: E1C090309-004 Source-I-1-0309 TICs.....: N Report Results: Y
WO#.....: DW7VC-1-AF Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 14:47 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A008
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:57:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number: 1072196
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..: .0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			ND	1	0.1		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1632	81.6		

BOE-C6-0006798

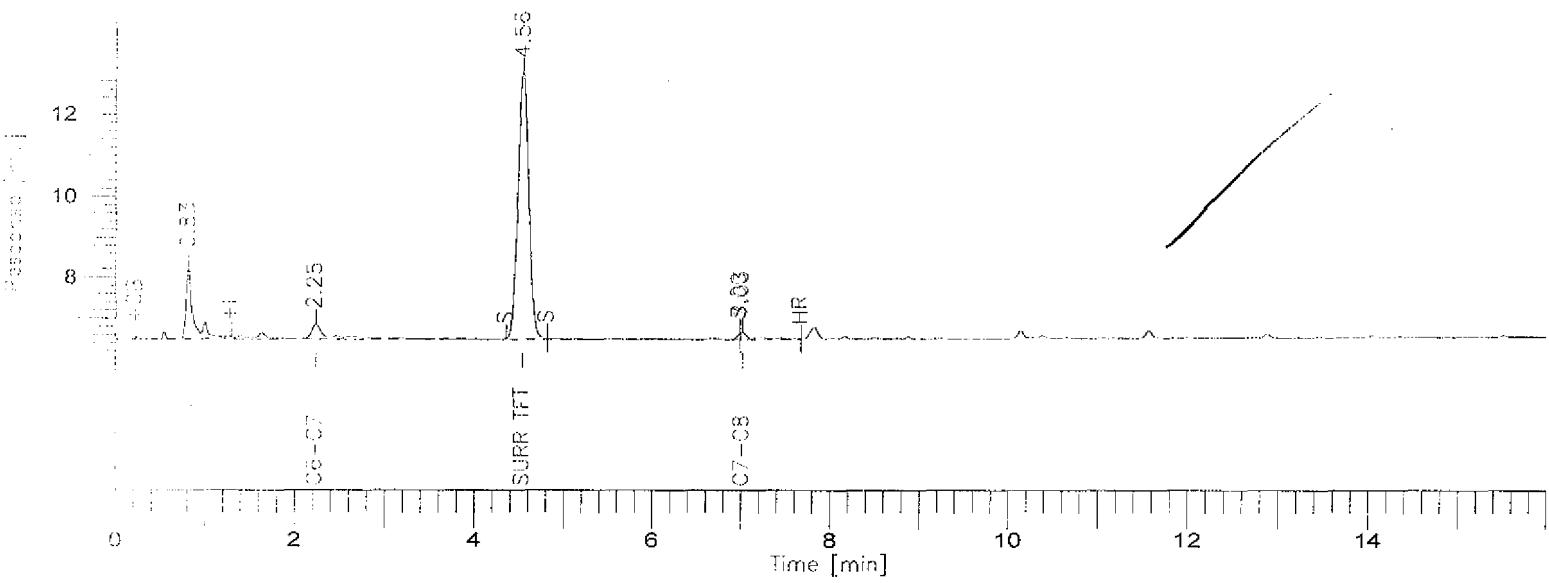
Software Version: 4.1<2F12>
Sample Name : C090309-4 Time : 3/12/01 03:03 PM
Sample Number: 309-4 Study : LOW SOIL
Operator :

Instrument : GC16AB Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 02:47 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A008.RAW
Result File : C:\TC4\GC16AB\312A008.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A008.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.25	GASOLINE RANGE	7832	-0.4594	-----	1.00		-0.0919
4.56	SURR TFT	55117	0.1632	81.6	0.00		0.0326
		62949					-0.0592

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.25	C6-C7	6395	-0.4629	-----	1.00		-0.0926
7.03	C7-C8	1437	-0.4493	-----	1.00		-0.0899
		7832					-0.1824

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A008.TX0

BOE-C6-0006800

Lot/Sample: E1C090309-005 Source-I-2-0309 TICs.....: N Report Results: Y
WO#.....: DW7VD-1-AF Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 15:15 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A009
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:57:20
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number: 1072196
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..: .0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			ND	1	0.1		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1695	84.75		

Software Version: 4.1<2F12>
Sample Name : C090309-5
Sample Number: 309-5
Operator :

Time : 3/12/01 03:31 PM
Study : LOW SOIL

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

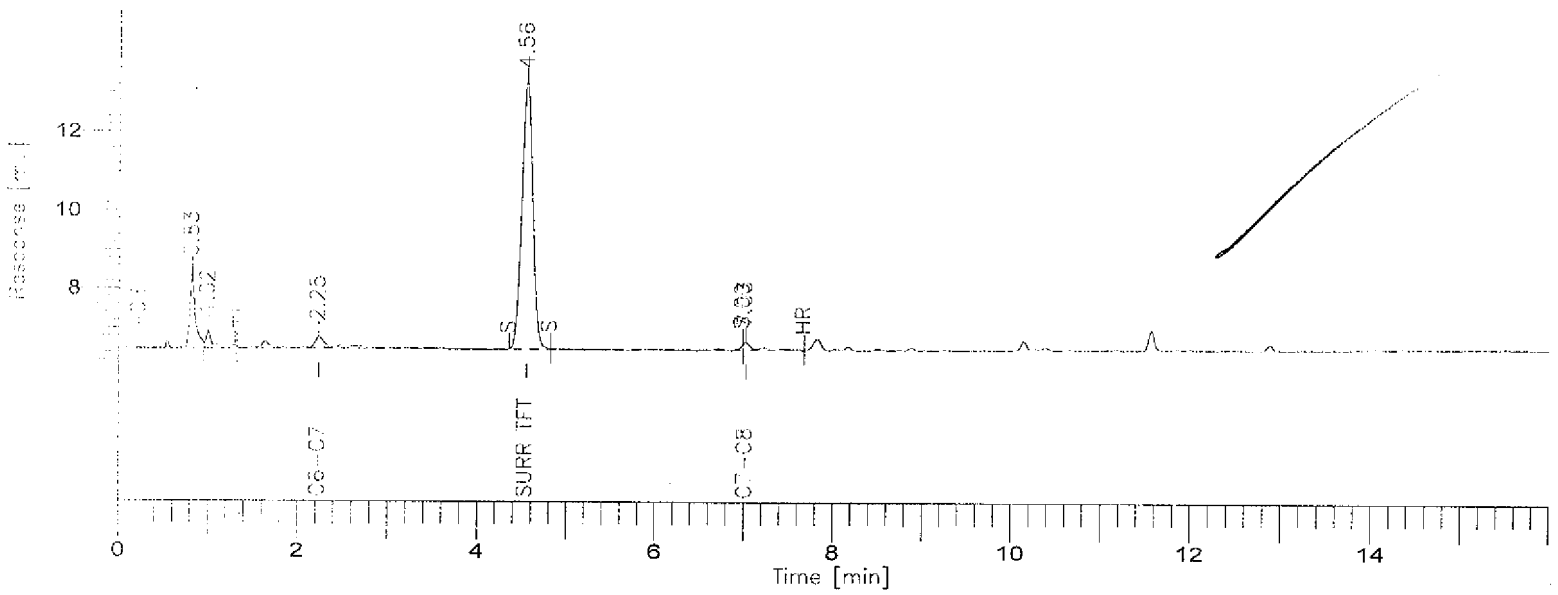
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 03:15 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A009.RAW
Result File : C:\TC4\GC16AB\312A009.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A009.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-16/FID COLUMN: DB-624

BOE-C6-0006802

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.25	GASOLINE RANGE	6370	-0.4698	-----	1.00		-0.0940
4.56	SURR TFT	57341	0.1695	84.7	0.00		0.0339
		63711					-0.0601

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.25	C6-C7	4886	-0.4773	-----	1.00		-0.0955
7.03	C7-C8	1484	-0.4480	-----	1.00		-0.0896
		6370					-0.1851

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A009.TX0

Lot/Sample: E1C090309-006 Build -2-AE-13- TICs.....: N Report Results: Y
WO#.....: DW7VF-1-AD Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/12/01
Inject Time..: 15:44 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: 312A010
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/13 13:57:26
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 03/12-03/13/01
QC Batch.....: 1072404
MS Run Number: 1072196
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..: .0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			ND	1	0.1		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1701	85.05		

BOE-C6-0006804

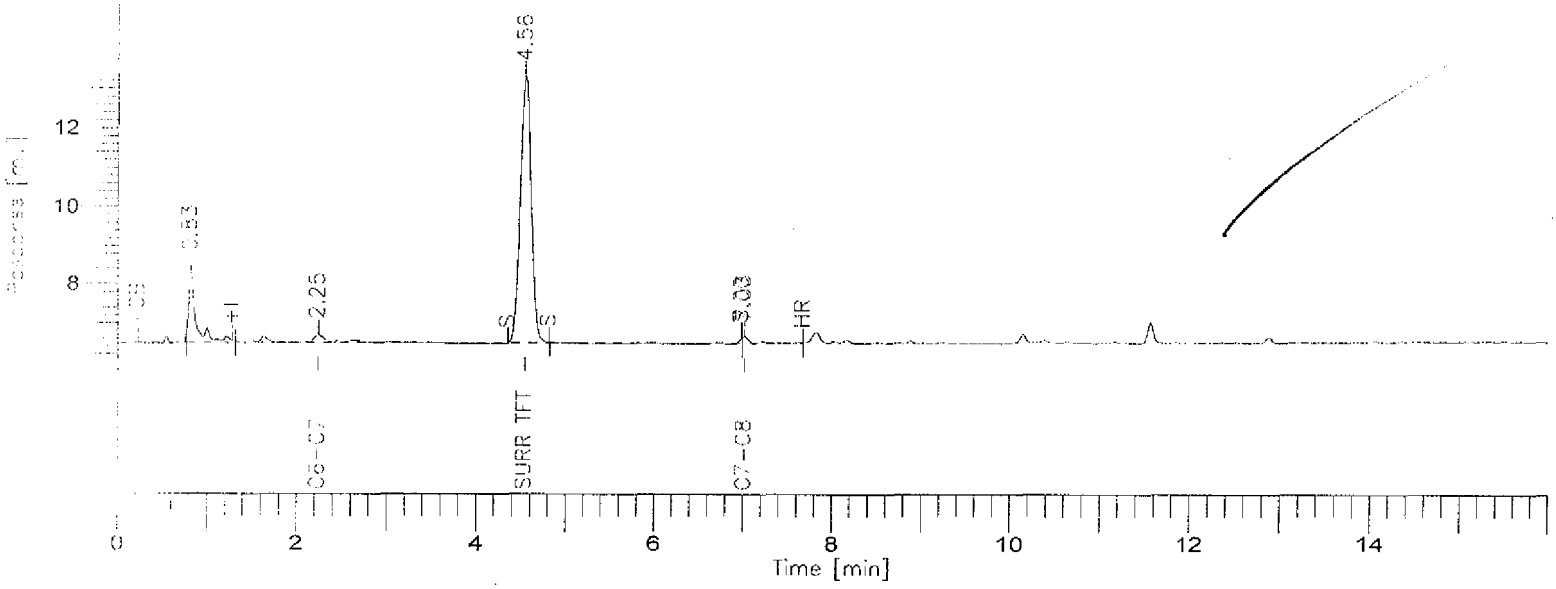
Software Version: 4.1<2F12>
Sample Name : C090309-6 Time : 3/12/01 04:00 PM
Sample Number: 309-6 Study : LOW SOIL
Operator :

Instrument : GC16AB Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2346570928 Data Acquisition Time: 3/12/01 03:44 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\312A010.RAW
Result File : C:\TC4\GC16AB\312A010.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\312A010.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8
Sequence File : C:\TC4\GC16AB\312C6-8.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-16/FID COLUMN: DB-624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.25	GASOLINE RANGE	3204	-0.4923	-----	1.00		-0.0985
4.56	SURR TFT	57566	0.1701	85.1	0.00		0.0340
		60770					-0.0644

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.25	C6-C7	2165	-0.5033	-----	1.00		-0.1007
7.03	C7-C8	1039	-0.4603	-----	1.00		-0.0921
		3204					-0.1927

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\312A010.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 2-12-01

Instrument ID: G16A

$C_6 \rightarrow C_8$

Turbochrom Method File : C:\TC4\GC16AB\METHODS\212C6-C8.MTH
Created by : ps on : 2/12/01 03:31 PM
Edited by : JKA on : 2/12/01 05:16 PM
Description :

Number of Times Edited : 4
Number of Times Calibrated : 330

Instrument Conditions :

Instrument Control Method:
Instrument name : GC16AB

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 16.00 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 900
Analog Voltage Input : 1000 mV
Data will be collected from channel A

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 100.000 mV
Channel B -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 100 µV
Area Threshold : 499.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - +CB at 0.244
Event #2 - +I at 1.297
Event #3 - S at 1.315
Event #4 - S at 4.370
Event #5 - S at 4.829
Event #6 - S at 6.995
Event #7 - HR at 7.686

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\TC4\GC16AB\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

Global Information :
Default Sample Volume : 1.000 ml
Quantitation Units : ppm
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 5.313025e+06

Component Information :
C6-C7
Component Type : Single Peak Component
Retention Time : 2.895 min Search Window: 96.00 s, 47.00 %
Reference Component:
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.100000
Value 2: 0.000000
Value 3: 1.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	40615.00	1171.91	----------	----------	1
2	0.2000	82050.00	1840.71	----------	----------	1
3	0.5000	303011.00	9736.71	----------	----------	1
4	1.0000	634566.00	20277.30	----------	----------	1
5	2.0000	1237027.00	40024.74	----------	----------	1
6	5.0000	2610706.00	82748.35	----------	----------	1

Calibration Curve : y = (54842.222592) + (523305.333080)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.993162

SURR TFT
Component Type : Single Peak Component
Retention Time : 4.550 min Search Window: 1.00 s, 3.00 %

Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.000000
Value 2: 0.040000
Value 3: 0.040000
Value 4: 0.000000
Value 5: 2.000000
Value 6: 0.000000
Value 7: 108.018306

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0100	18114.00	2086.08	----------	----------	1
2	0.0200	26691.00	3099.58	----------	----------	1
3	0.0300	46480.00	5344.95	----------	----------	1
4	0.0400	71665.00	8179.25	----------	----------	1
5	0.0600	104312.00	11674.26	----------	----------	1
6	0.0800	130814.00	13814.01	----------	----------	1

Calibration Curve : y = (-5893.777183) + (1965048.056338)x + (-2936374.647887)x^2 + (0.000000)x^3
R-squared : 0.990690

C7-C8

Component Type : Single Peak Component
Retention Time : 6.707 min Search Window: 99.00 s, 37.00 %
Reference Component:
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.100000
Value 2: 0.000000
Value 3: 1.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.000000
Value 7: -1.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	10920.00	1189.00	----------	----------	1
2	0.2000	36983.00	4155.77	----------	----------	1
3	0.5000	99845.00	10519.45	----------	----------	1
4	1.0000	213478.00	22762.64	----------	----------	1
5	2.0000	423057.00	45040.38	----------	----------	1
6	5.0000	900846.00	94834.27	----------	----------	1

Calibration Curve : y = (17653.426884) + (180480.964422)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.994473

GASOLINE RANGE

Component Type : Named Group
Group Members:

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.100000
Value 2: 0.000000
Value 3: 1.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	51535.00	2360.91	----------	----------	1
2	0.2000	119033.00	5996.49	----------	----------	1
3	0.5000	402856.00	20256.16	----------	----------	1
4	1.0000	848044.00	43039.94	----------	----------	1
5	2.0000	1660084.00	85065.12	----------	----------	1
6	5.0000	3511552.00	177582.61	----------	----------	1

Calibration Curve : y = (72495.649476) + (703786.297502)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.993544

Software Version: 4.1<2F12>
Sample Name : ICAL GAS 1 50 ppb
Sample Number:
Operator :

Time : 2/12/01 02:49 PM
Study : CALIBRATION

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

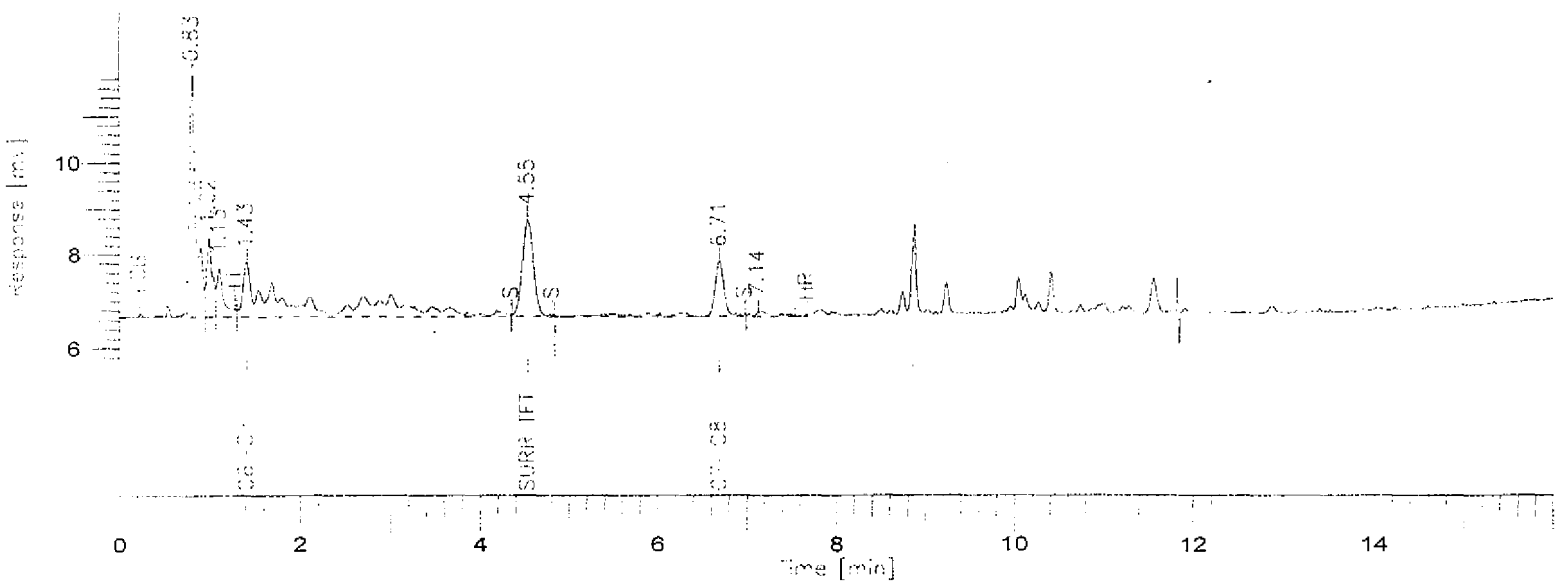
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 2/12/01 02:33 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\212A008.RAW
Result File : C:\TC4\GC16AB\212A008.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\212A008.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8
Sequence File : C:\TC4\GC16AB\212C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-16/FID COLUMN: DB-624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.55	SURR TFT	18114	0.0069	17.3	0.00		0.0069
6.71	GASOLINE RANGE	51535	0.0407	-----	1.00		0.0407
		69649					0.0476

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.43	C6-C7	40615	0.0393	-----	1.00		0.0393
6.71	C7-C8	10920	0.0439	-----	1.00		0.0439
		51535					0.0832

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\212A008.TX0

Software Version: 4.1<2F12>
Sample Name : ICAL GAS 2 100 ppb
Sample Number:
Operator :

Time : 2/12/01 03:17 PM
Study : CALIBRATION

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

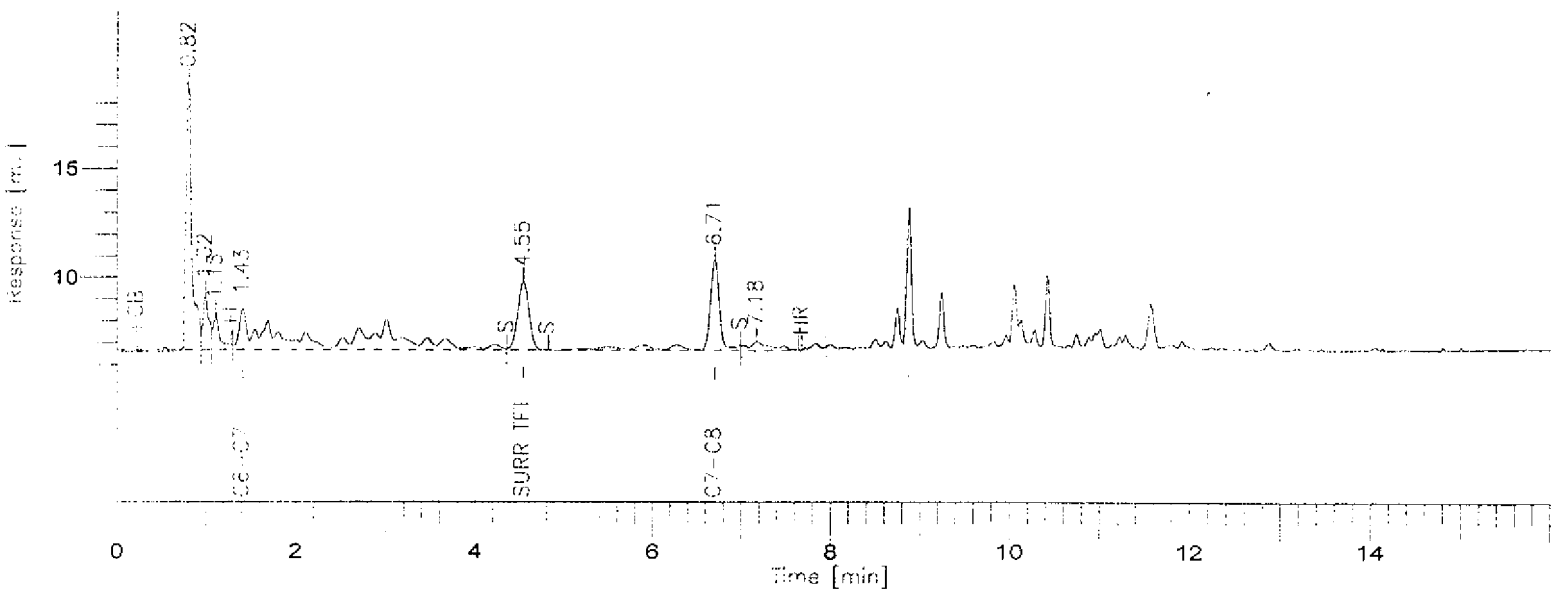
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 2/12/01 03:01 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\212A009.RAW
Result File : C:\TC4\GC16AB\212A009.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\212A009.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8
Sequence File : C:\TC4\GC16AB\212C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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BOE-C6-0006814

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.55	SURR TFT	26691	0.0146	36.6	0.00		0.0146
6.71	GASOLINE RANGE	119033	0.1199	-----	1.00		0.1199
		145724					0.1345

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.43	C6-C7	82050	0.1097	-----	1.00		0.1097
6.71	C7-C8	36983	0.1425	-----	1.00		0.1425
		119033					0.2522

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\212A009.TX0

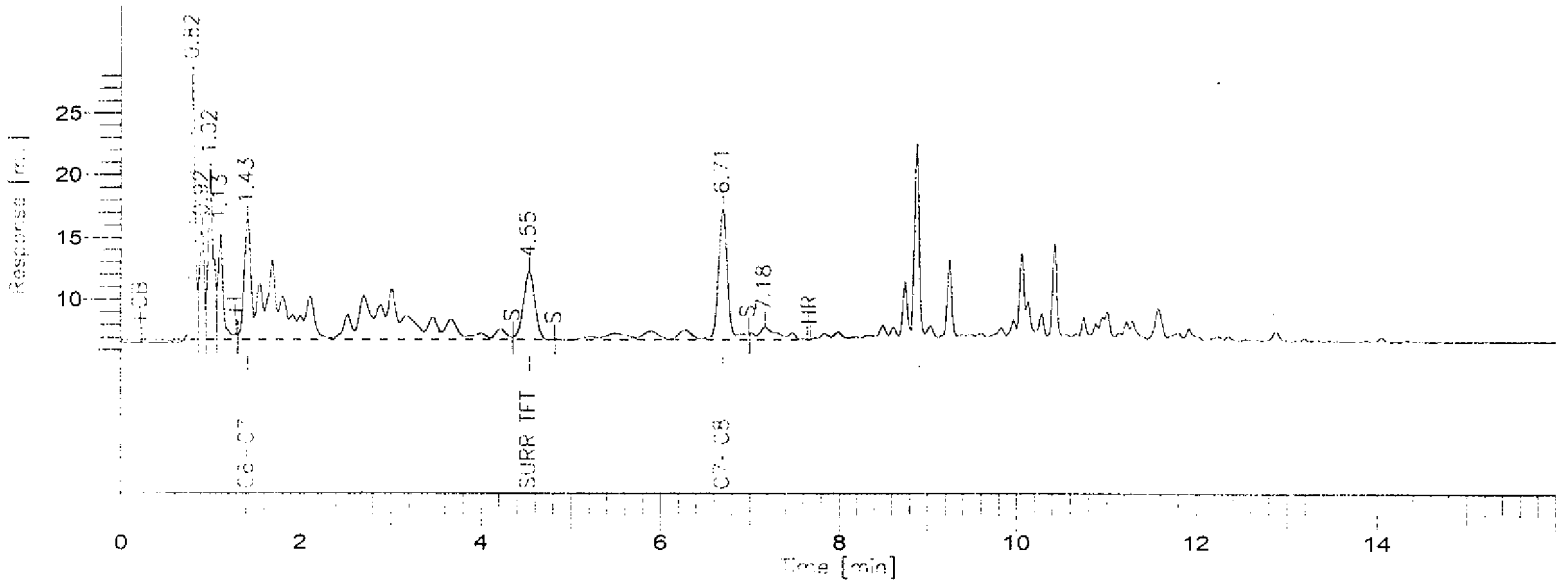
Software Version: 4.1<2F12>
Sample Name : ICAL GAS 3 500 ppb Time : 2/12/01 03:46 PM
Sample Number: Study : CALIBRATION
Operator :

Instrument : GC16AB Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2346570928 Data Acquisition Time: 2/12/01 03:30 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\212A010.RAW
Result File : C:\TC4\GC16AB\212A010.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\212A010.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8
Sequence File : C:\TC4\GC16AB\212C6-8.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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BOE-C6-0006816

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.55	SURR TFT	46480	0.0270	67.5	0.00		0.0270
6.71	GASOLINE RANGE	402856	0.4527	-----	1.00		0.4527
		449336					0.4797

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.43	C6-C7	303011	0.4853	-----	1.00		0.4853
6.71	C7-C8	99845	0.3803	-----	1.00		0.3803
		402856					0.8655

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\212A010.TX0

Software Version: 4.1<2F12>
Sample Name : ICAL GAS 4 1000 ppb
Sample Number:
Operator :

Time : 2/12/01 04:14 PM
Study : CALIBRATION

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

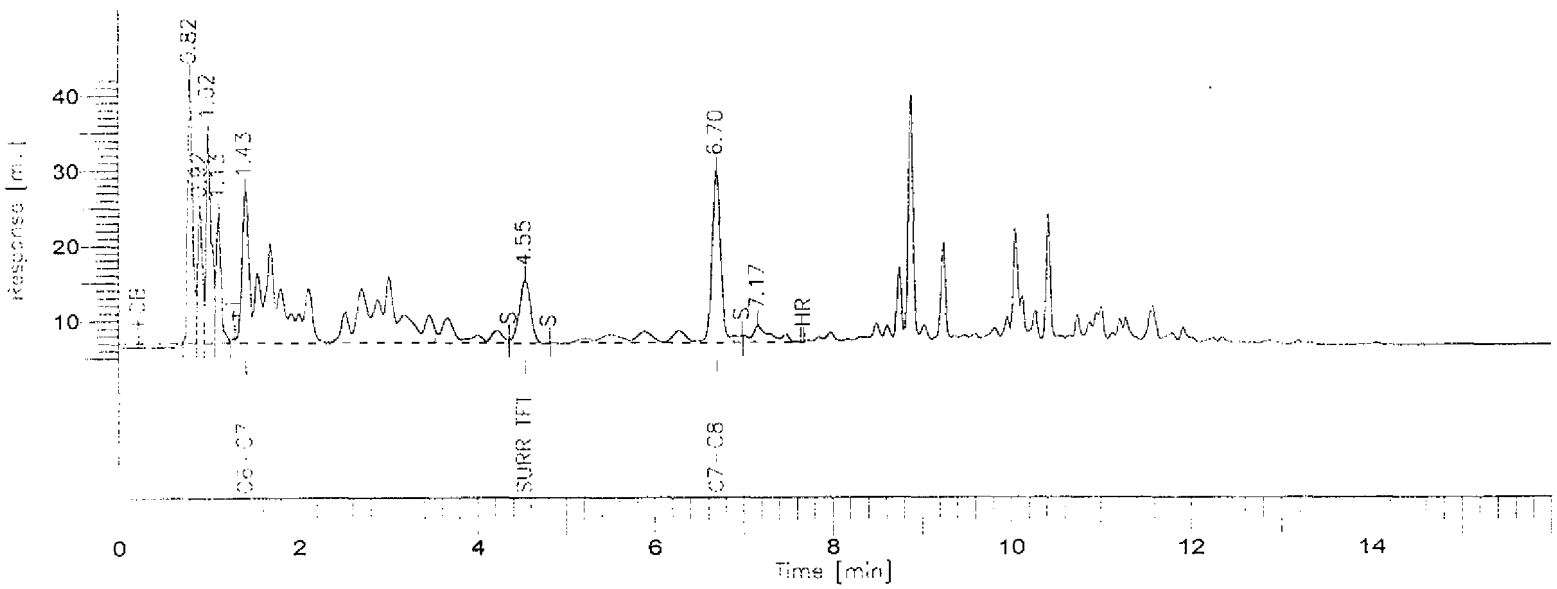
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 2/12/01 03:58 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\212A011.RAW
Result File : C:\TC4\GC16AB\212A011.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\212A011.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8
Sequence File : C:\TC4\GC16AB\212C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-16/FID COLUMN: DB-624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.55	SURR TFT	71665	0.0385	96.2	0.00		0.0385
6.70	GASOLINE RANGE	848044	0.9748	-----	1.00		0.9748
		919709					1.0133

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.43	C6-C7	634566	1.0488	-----	1.00		1.0488
6.70	C7-C8	213478	0.8101	-----	1.00		0.8101
		848044					1.8589

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\212A011.TX0

Software Version: 4.1<2F12>
Sample Name : ICAL GAS 5 2000ppb
Sample Number:
Operator :

Time : 2/12/01 04:43 PM
Study : CALIBRATION

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

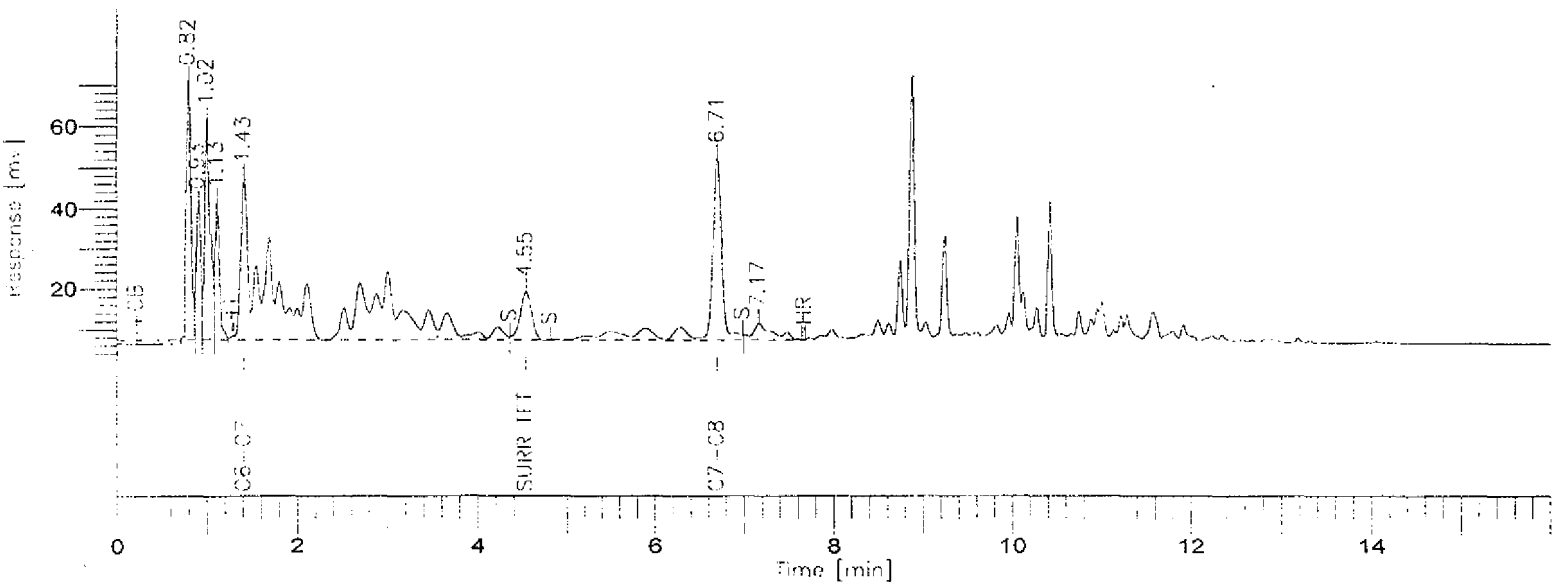
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 2/12/01 04:27 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\212A012.RAW
Result File : C:\TC4\GC16AB\212A012.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\212A012.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8
Sequence File : C:\TC4\GC16AB\212C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-16/FID COLUMN: DB-624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.55	SURR TFT	104312	0.0503	125.7	0.00		0.0503
6.71	GASOLINE RANGE	1660084	1.9271	-----	1.00		1.9271
		1764396					1.9773

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.43	C6-C7	1237027	2.0727	-----	1.00		2.0727
6.71	C7-C8	423057	1.6028	-----	1.00		1.6028
		1660084					3.6756

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\212A012.TX0

BOE-C6-0006821

Software Version: 4.1<2F12>
Sample Name : ICAL GAS 6 5000 ppb
Sample Number:
Operator :

Time : 2/12/01 05:11 PM
Study : CALIBRATION

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

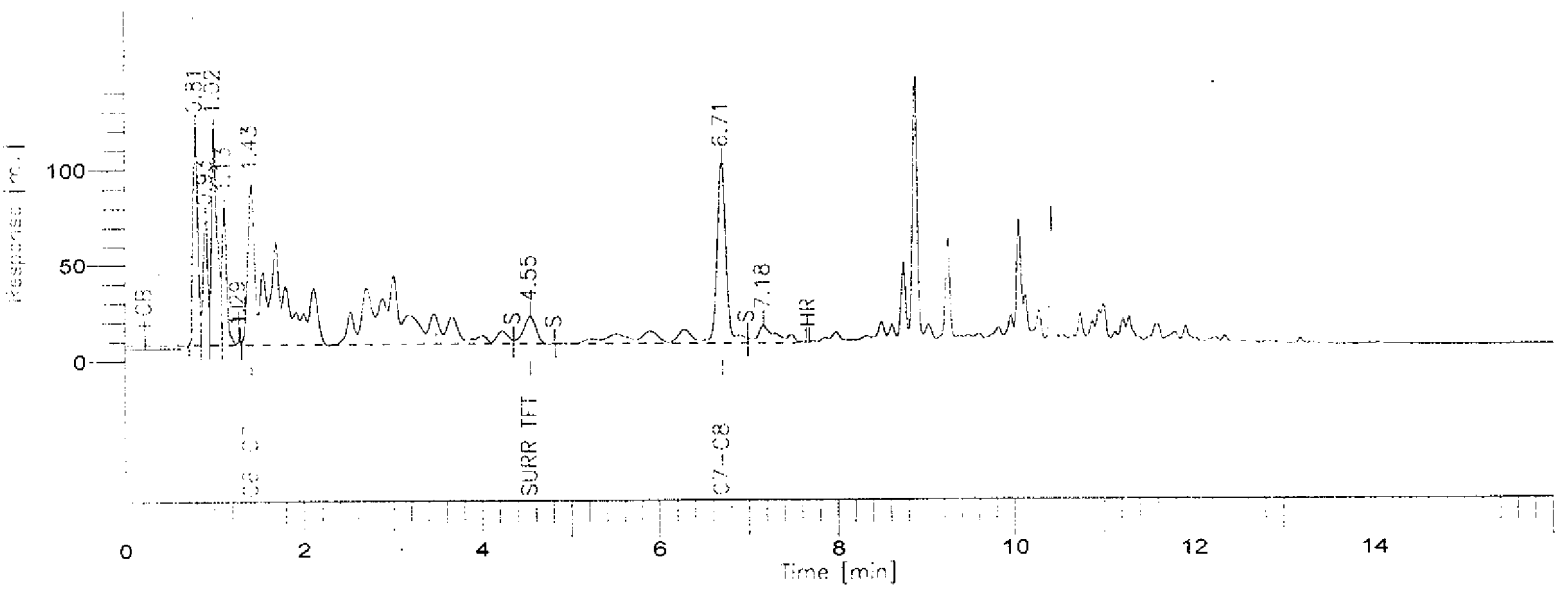
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 2/12/01 04:55 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\212A013.RAW
Result File : C:\TC4\GC16AB\212A013.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\212A013.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8
Sequence File : C:\TC4\GC16AB\212C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-16/FID COLUMN: DB-624

BOE-C6-0006822

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.55	SURR TFT	130814	0.0584	146.0	0.00		0.0584
6.71	GASOLINE RANGE	3511552	4.0983	-----	1.00		4.0983
		3642366					4.1567

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
1.43	C6-C7	2610706	4.4075	-----	1.00		4.4075
6.71	C7-C8	900846	3.4101	-----	1.00		3.4101
		3511552					7.8176

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\212A013.TX0

Software Version: 4.1<2F12>
Sample Name : MARKER
Sample Number: MARKER
Operator :

Time : 2/12/01 06:08 PM
Study :

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

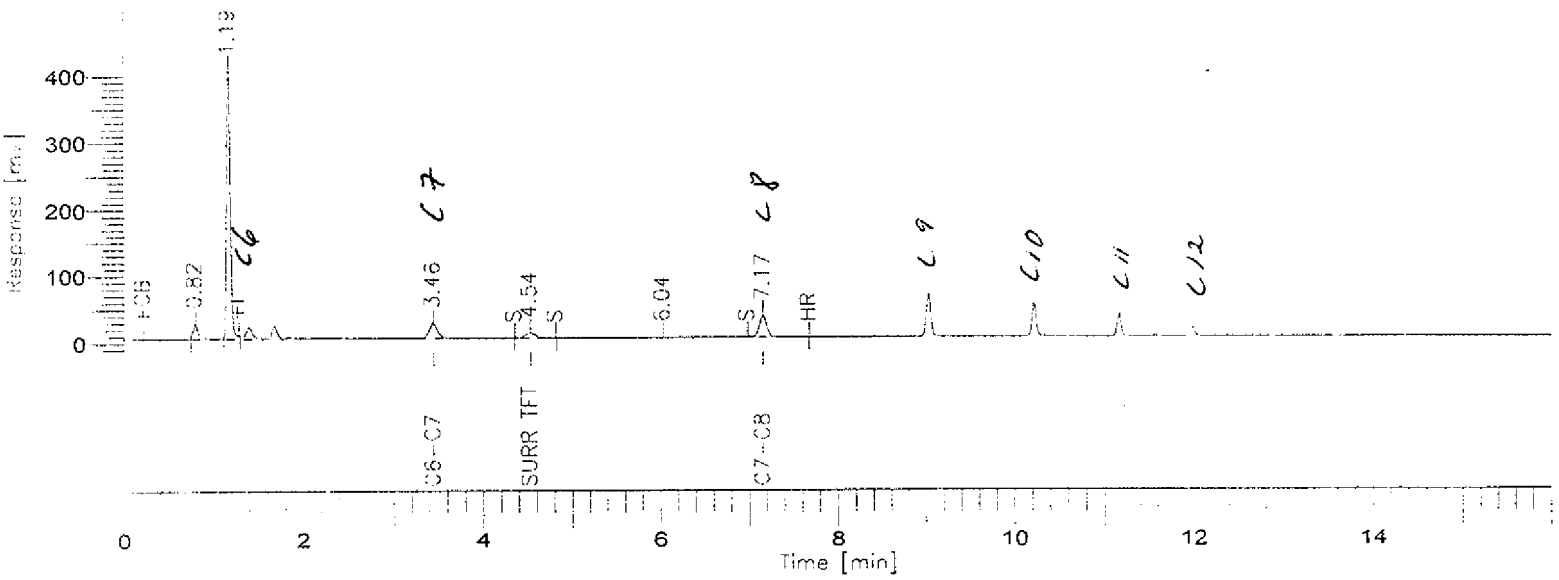
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 2/12/01 05:52 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\212A015.RAW
Result File : C:\TC4\GC16AB\212A015.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\212A015.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8
Sequence File : C:\TC4\GC16AB\212C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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BOE-C6-0006824

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.54	SURR TFT	58855	0.0330	82.5	0.00		0.0330
7.17	GASOLINE RANGE	520798	0.5910	-----	1.00		0.5910
		579653					0.6240

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
3.46	C6-C7	342173	0.5518	-----	1.00		0.5518
7.17	C7-C8	178625	0.6782	-----	1.00		0.6782
		520798					1.2301

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Report stored in ASCII file: C:\TC4\GC16AB\212A015.TX0

BOE-C6-0006825

Software Version: 4.1<2F12>
Sample Name : LCS GAS 2 PPM
Sample Number: LCS GAS
Operator :

Time : 2/13/01 10:13 AM
Study :

Instrument : GC16AB
AutoSampler :
Rack/Vial : 0/0

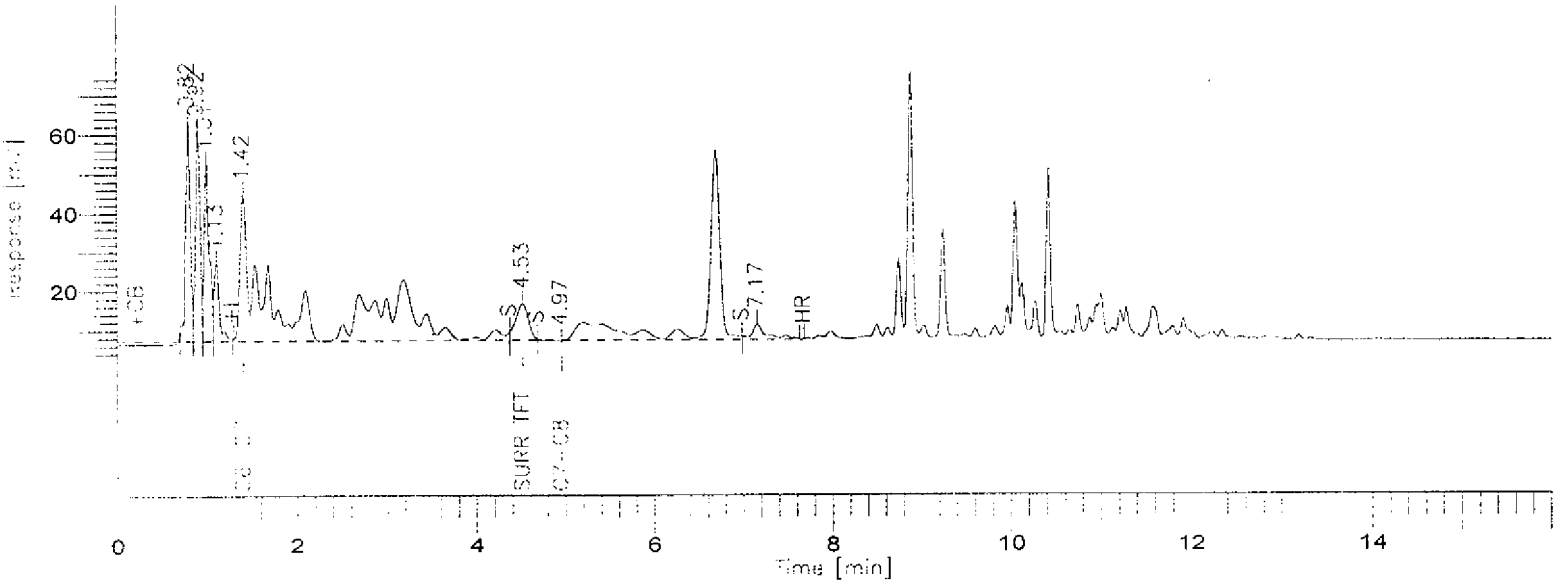
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 2/12/01 06:21 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\212A016.RAW
Result File : C:\TC4\GC16AB\212A016.RST
Inst Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\212A016.RST
Proc Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\212A016.RST
Calib Method : C:\TC4\GC16AB\METHODS\212C6-C8 from C:\TC4\GC16AB\212A016.RST
Sequence File : C:\TC4\GC16AB\212C6-8.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

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GC-16/FID COLUMN: DB-624

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BOE-C6-0006826

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
1.42	GASOLINE RANGE	1591323	2.1581	1.0000	215.8		2.1581
4.53	SURR TFT	90168	0.0531	0.0400	132.7		0.0531
		1681491					2.2112

Standard interference

Air

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
1.42	C6-C7	1077470	1.9542	1.0000	195.4		1.9542
4.97	C7-C8	513853	2.7493	1.0000	274.9		2.7493
		1591323					4.7035

STL - LOS ANGELES

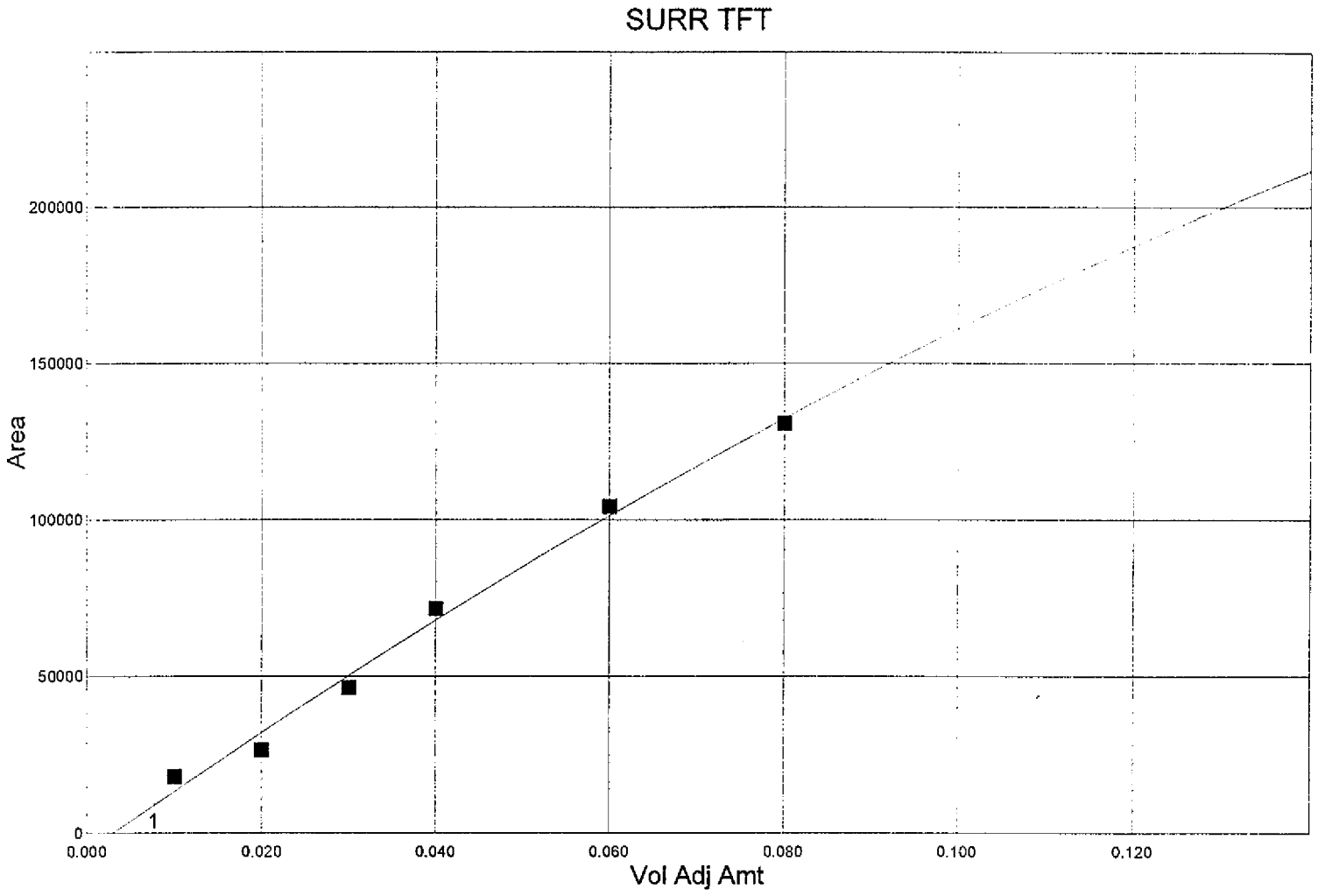
Report stored in ASCII file: C:\TC4\GC16AB\212A016.TX0

BOE-C6-0006827

Component Name: "SURR TFT"
Date: 2/14/01 Time: 01:57 PM

Curve Parameters:

Curve #1 : 2nd Order
Weighting Factor = 1.0 (No Weighting) r^2 = 0.990690
Calibration Curve = (-5893.777183) + (1965048.056338)X + (-2936374.647887)X^2



Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
1	0.010000	0.012449	-0.002449	-19.672	18114.000	13463.066	4650.934	34.546
2	0.020000	0.017015	0.002985	17.545	26691.000	32232.634	-5541.634	-17.193
3	0.030000	0.027808	0.002192	7.882	46480.000	50414.927	-3934.927	-7.805
4	0.040000	0.042120	-0.002120	-5.034	71665.000	68009.946	3655.054	5.374
5	0.060000	0.061788	-0.001788	-2.894	104312.000	101438.157	2873.843	2.833
6	0.080000	0.078863	0.001137	1.441	130814.000	132517.270	-1703.270	-1.285

Turbochrom Sequence File : C:\TC4\GC16AB\212C6-8.SEQ
Created by : LY on : 2/12/01 09:47 AM
Edited by : DL on : 2/14/01 11:39 AM
Description : **********STANDARD ID**********
ICAL/CCV STD: TVPH # S-GCV-001-12
QC Gasoline (Low level) S-GCV-001-19
Surrogate TFT: S-CGV-001-10

Number of Times Edited : 20

Sequence File Header Information:

Number of Rows : 234
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
2	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
4	Sample	LCS GAS	LCS GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
5	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	LCS GAS TEST	LCS GAS	CALIBRATIO	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
7	Sample	MB W	MB W	CALIBRATIO	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
8	Sample	ICAL GAS 1		CALIBRATIO	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
9	Sample	ICAL GAS 2		CALIBRATIO	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
10	Sample	ICAL GAS 3		CALIBRATIO	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
11	Sample	ICAL GAS 4		CALIBRATIO	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
12	Sample	ICAL GAS 5		CALIBRATIO	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
13	Sample	ICAL GAS 6		CALIBRATIO	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
14	Sample	MB W	MB W		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
15	Sample	MARKER	MARKER		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
16	Sample	LCS GAS 2 PPM	LCS GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
17	Sample	LCS GAS S	LCS GAS S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	MB S	MB S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	B090348-2	348-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	B090348-3	348-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	B090348-4	348-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
22	Sample	B090348-5	348-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	B090348-6	348-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
24	Sample	B090348-7	348-7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
25	Sample	B090348-8	348-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
26	Sample	B090348-9	348-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	B090348-10	348-10	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	B090348-12	348-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
29	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
30	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
31	Sample	B090348-13	348-13	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
32	Sample	B090348-14	348-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
33	Sample	B090348-15	348-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
34	Sample	B090348-17	348-17	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
35	Sample	B090348-18	348-18	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
36	Sample	B090348-19	348-19	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
37	Sample	B090307-2	307-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
38	Sample	B090307-3	307-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
39	Sample	B090307-4	307-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
40	Sample	B090307-5	307-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
41	Sample	B090348-12 GMS	348-12 GMS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
42	Sample	B090348-12 GMSD	348-12GMSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
43	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
44	Sample	LCS GAS	LCS GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
45	Sample	MB W	MB W		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
46	Sample	B080306-18	306-18	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
47	Sample	B090348-16	348-16	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
48	Sample	B090348-16 GMS	348-16 GMS	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
49	Sample	B090348-16 GMSD	348-16GMSD	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
50	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
51	Sample	LCS GAS	LCS GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
52	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
53	Sample	B120199-22	199-22	PH<2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
54	Sample	B090348-2	348-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
55	Sample	B090348-3	348-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

BOE-C6-0006829

58	Sample	B090348-6	348-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
59	Sample	B090348-7	348-7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
60	Sample	B090348-8	348-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
61	Sample	B090348-9	348-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
62	Sample	B090348-10	348-10	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
63	Sample	B090348-12	348-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
64	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
65	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
66	Sample	B090348-13	348-13	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
67	Sample	B090348-14	348-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
68	Sample	B090348-15	348-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
69	Sample	B090348-17	348-17	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
70	Sample	B090348-18	348-18	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
71	Sample	B090348-19	348-19	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
72	Sample	B090307-2	307-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
73	Sample	B090307-3	307-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
74	Sample	B090307-4	307-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
75	Sample	B090348-12 GMS	348-12 GMS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
76	Sample	B090348-12 GMSD	348-12GMSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
77	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
78	Sample	LCS GAS	LCS GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
79	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
80	Sample	B090307-5	307-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
81	Sample	B120199-2	199-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
82	Sample	B120199-3	199-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
83	Sample	B120199-4	199-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
84	Sample	B120199-5	199-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
85	Sample	B120199-6	199-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
86	Sample	B120199-7	199-7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
87	Sample	B120199-8	199-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
88	Sample	B120199-9	199-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
89	Sample	B120199-10	199-10	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
90	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
91	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
92	Sample	B120199-11	199-11	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
93	Sample	B120199-12	199-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
94	Sample	B120199-13	199-13	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
95	Sample	B120199-14	199-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
96	Sample	B120199-15	199-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
97	Sample	B120199-16	199-16	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
98	Sample	B120199-17	199-17	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
99	Sample	B120199-18	199-18	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
100	Sample	B120199-19	199-19	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
101	Sample	B120199-20	199-20	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
102	Sample	B120199-11 GMS	199-11 GMS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
103	Sample	B120199-11 GMSD	199-11GMSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
104	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
105	Sample	LCS GAS	LCS GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
106	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
107	Sample	B120199-21	199-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
108	Sample	B120199-23	199-23	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
109	Sample	B120199-24	199-24	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
110	Sample	B120199-25	199-25	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
111	Sample	B120199-3	199-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
112	Sample	B120199-14	199-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
113	Sample	B130297-2	297-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
114	Sample	B130297-3	297-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
115	Sample	B130297-4	297-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
116	Sample	B130297-5	297-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
117	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
118	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
119	Sample	B130297-6	297-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
120	Sample	B130297-7	297-7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
121	Sample	B130297-8	297-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
122	Sample	B130297-9	297-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
123	Sample	B130297-10	297-10	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
124	Sample	B130297-11	297-11	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
125	Sample	B130297-12	297-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
126	Sample	B130297-13	297-13	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
127	Sample	B130297-14	297-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
128	Sample	B130297-15	297-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
129	Sample	B120199-23 GMS	199-23 GMS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
130	Sample	B120199-23 GMSD	199-23GMSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
131	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
132	Sample	LCS GAS	LCS GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
133	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
134	Sample	B130297-16	297-16	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
135	Sample	B130297-17	297-17	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
136	Sample	B130297-18	297-18	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
137	Sample	B130297-19	297-19	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
138	Sample	B130297-20	297-20	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
139	Sample	B130297-21	297-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
140	Sample	B130297-22	297-22	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
141	Sample	B130297-23	297-23	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

144	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
145	Sample	MB S	MB S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
146	Sample	B130297-26	297-26	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
147	Sample	B130297-27	297-27	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
148	Sample	B130297-28	297-28	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
149	Sample	B130297-29	297-29	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
150	Sample	B130297-30	297-30	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
151	Sample	B130297-31	297-31	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
152	Sample	B130297-32	297-32	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
153	Sample	B130297-32 GMS	297-32 GMS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
154	Sample	B130297-32 GMSD	297-32GMSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
155	Sample	B130297-33	297-33	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
156	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
157	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
158	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
159	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
160	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
161	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
162	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
163	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
164	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
165	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
166	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
167	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
168	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
169	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
170	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
171	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
172	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
173	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
174	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
175	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
176	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
177	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
178	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
179	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
180	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
181	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
182	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
183	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
184	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
185	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
186	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
187	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
188	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
189	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
190	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
191	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
192	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
193	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
194	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
195	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
196	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
197	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
198	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
199	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
200	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
201	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
202	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
203	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
204	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
205	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
206	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
207	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
208	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
209	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
210	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
211	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
212	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
213	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
214	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
215	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
216	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
217	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
218	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
219	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
220	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
221	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
222	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
223	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
224	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
225	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
226	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
227	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

TEPH

LEVEL III

C8 TO C40+

TEPH

SAMPLE AND QC DATA

Date(s) Analyzed: 3-14-01

Instrument ID: GC1 GC2 GC3

Lab #: E1C090323

Batch #: 107498

Samples: B, C, 1, 2, 3, 4, 5, 6

E1C090323- 43, 43S, 43D Batch QC

EXTRACTION NOTES

3/15

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/1
Time: 18:2

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to Analytic
Y Bench Sheet Copied per COC

Extractionist: 356091 Francisco Gomez

Concentrationist: 356091 Francisco Gomez

Reviewer/Date: GOMEZF / 3/12/01

****
* *
* QC BATCH: 1071498 *
* *
****

PREP DATE: 3/12/01 12:00
COMP DATE: 3/12/01 16:00

Hydrocarbons, Extractable Petroleum (8015B)
EXTRACTION, SOLID/SOLVENT (Auto shaker)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
3/23/01 COMMENTS:	3/15/01	E1C090309-001 **DW7TV-1-AC**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/25
3/23/01 COMMENTS:	3/15/01	E1C090309-002 **DW7T4-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/25
3/23/01 COMMENTS:	3/15/01	E1C090309-003 **DW7T7-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/25
3/23/01 COMMENTS:	3/15/01	E1C090309-004 **DW7VC-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/25
3/23/01 COMMENTS:	3/15/01	E1C090309-005 **DW7VD-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/25
3/23/01 COMMENTS:	3/15/01	E1C090309-006 **DW7VF-1-AC**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/25
3/23/01 COMMENTS:	3/15/01	E1C090323-043 **DW718-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/25

STL Los Angeles

250

BOF-C6-000635

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/1
Time: 18:2

QC BATCH: 1071498

PREP DATE: 3/12/01 12:00
COMP DATE: 3/12/01 16:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
3/23/01	3/15/01	E1C090323-043 DW718-1-A2S	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1577-2DCS/500 TEPH1579-1SCS/250
COMMENTS:															
3/23/01	3/15/01	E1C090323-043 DW718-1-A3D	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1577-2DCS/500 TEPH1579-1SCS/250
COMMENTS:															
3/23/01	3/15/01	E1C090323-044 DW719-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/250
COMMENTS:															
3/23/01	3/15/01	E1C090323-045 DW72A-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/250
COMMENTS:															
3/23/01	3/15/01	E1C090323-046 DW72C-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/250
COMMENTS:															
3/23/01	3/15/01	E1C090323-047 DW72D-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/250
COMMENTS:															
3/22/01	3/15/01	E1C090323-048 DW72E-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/250
COMMENTS:															
3/23/01	3/15/01	E1C090323-049 DW72F-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/250
COMMENTS:															
3/22/01	3/15/01	E1C090323-050 DW72G-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/250
COMMENTS:															
3/22/01	3/15/01	E1C090323-051 DW72H-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/250
COMMENTS:															

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BOE-C6-0006836
STL Los Angeles

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 3/
Time: 18:

****
* QC BATCH: 1071498 *
****

PREP DATE: 3/12/01 12:00
COMP DATE: 3/12/01 16:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
3/23/01	0/00/00	E1C120000-498 DW9T5-1-AAB		0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1579-1SCS/25(
COMMENTS:															
3/23/01	0/00/00	E1C120000-498 DW9T5-1-ACC		0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1577-2DCS/50(TEPH1579-1SCS/25(
COMMENTS:															

SPKD BY: FA MECL2 LOT#T49E52 NA2SO4 LOT#8024
EXT METHOD: SOLID/SOLVENT EXTRACTION (AUTO SHAKER).
RELINQUISHED BY/DATE: FA/3-13-01 RECEIVED BY/DATE: CG 3-13-01

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 19

252
BOE-C6-0006837
STL Los Angeles

Turbochrom Sequence File : C:\TC4\DATA_3\312.SEQ
Created by : EM on : 3/12/01 06:59 AM
Edited by : EC on : 3/15/01 07:11 AM
Description :

Number of Times Edited : 16

Sequence File Header Information:

Number of Rows : 138
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	DAILY RT MARKER	C8-C40	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	C080299-MB	DW6QL1AAB	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Cal:Replace	#TEPH01-64 RT M	10 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	#TEPH01-65 RT M	20 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	#TEPH01-66 RT M	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH01-67 RT M	40 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH01-68 RT M	50 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	C080299-MB	DW6QL1AAB	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	C080299-LCS	DW6QL1ACC	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
16	Sample	C080299-22	DW5RP1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
17	Sample	C080299-22 MS	DW5RP1AES	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
18	Sample	C080299-22 MSD	DW5RP1AFD	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	C080299-23	DW5RQ1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	C080299-24	DW5RR1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	C080299-25	DW5RT1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	C080299-27	DW5RW1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	C080299-28	DW5RX1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	C080299-29	DW5R01AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	C080299-30	DW5R11AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	C080299-31	DW5R21AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	C080299-32	DW5R31AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	C080299-33	DW5R41AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	C080299-34	DW5R51AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	C080299-35	DW5R61AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	C080299-36	DW5R71AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	C080299-37	DW5R81AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	C080299-38	DW5R91AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	C080299-5 RERUN	DW5Q31AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	C080299-39	DW5TA1AE	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	C080299-40	DW5TC1AE	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	C080299-41	DW5TD1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	C080299-42	DW5TE1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	C080299-MB	DW64V1AAB	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	C080299-LCS	DW64V1ACC	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	C080299-43	DW5TG1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	C080299-43 MS	DW5TG1ADS	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	C080299-43 MSD	DW5TG1AED	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	C080299-44	DW5TH1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	C080299-45	DW5TJ1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample	DAILY RT MARKER	C8-C40	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	C090309-MB	DW9T51AAB	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	C090309-LCS	DW9T51ACC	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	C090309-01	DW7TV1AC	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

FJK 3/15/01

62	Sample	C090309-03	DW7171AE	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	C090309-04	DW7VC1AE	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	C090309-05	DW7VD1AE	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	C090309-06	DW7VF1AC	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	C090323-43	DW7181AE	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
68	Sample	C090323-43 MS	DW7181A2S	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
69	Sample	C090323-43 MSD	DW7181AED	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
70	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Sample	C080299-MB	DW6QL1AAB	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
73	Sample	C080299-LCS	DW6QL1ACC	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample	C080299-22	DW5RP1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample	C080299-22 MS	DW5RP1AES	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample	C080299-22 MSD	DW5RP1AFD	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample	C080299-23	DW5RQ1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample	C080299-24	DW5RR1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample	C080299-25	DW5RT1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample	C080299-27	DW5RW1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample	C080299-28	DW5RX1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
83	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Sample	C090323-44	DW7191AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Sample	C090323-45	DW72A1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
86	Sample	C090323-46	DW72D1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample	C090323-47	DW72D1AE	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample	C090323-48	DW72E1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample	C090323-49	DW72F1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Sample	C090323-50	DW72G1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
91	Sample	C090323-51	DW72H1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
93	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
95	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
96	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
98	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
101	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
102	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
103	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
104	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
105	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
107	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
108	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
109	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
110	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
111	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
112	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
113	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
114	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
115	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
116	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
117	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
118	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
119	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
120	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
121	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
122	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
123	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
124	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
125	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
126	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
127	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
128	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
129	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
130	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
131	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
132	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
133	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
134	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
135	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
136	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
137	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
138	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Sample Name : DAILY RT MARKER
Sample Number: C8-C40
Operator :

Time : 3/14/01 10:58 AM
Study : ICAL 2/13/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 10:28 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

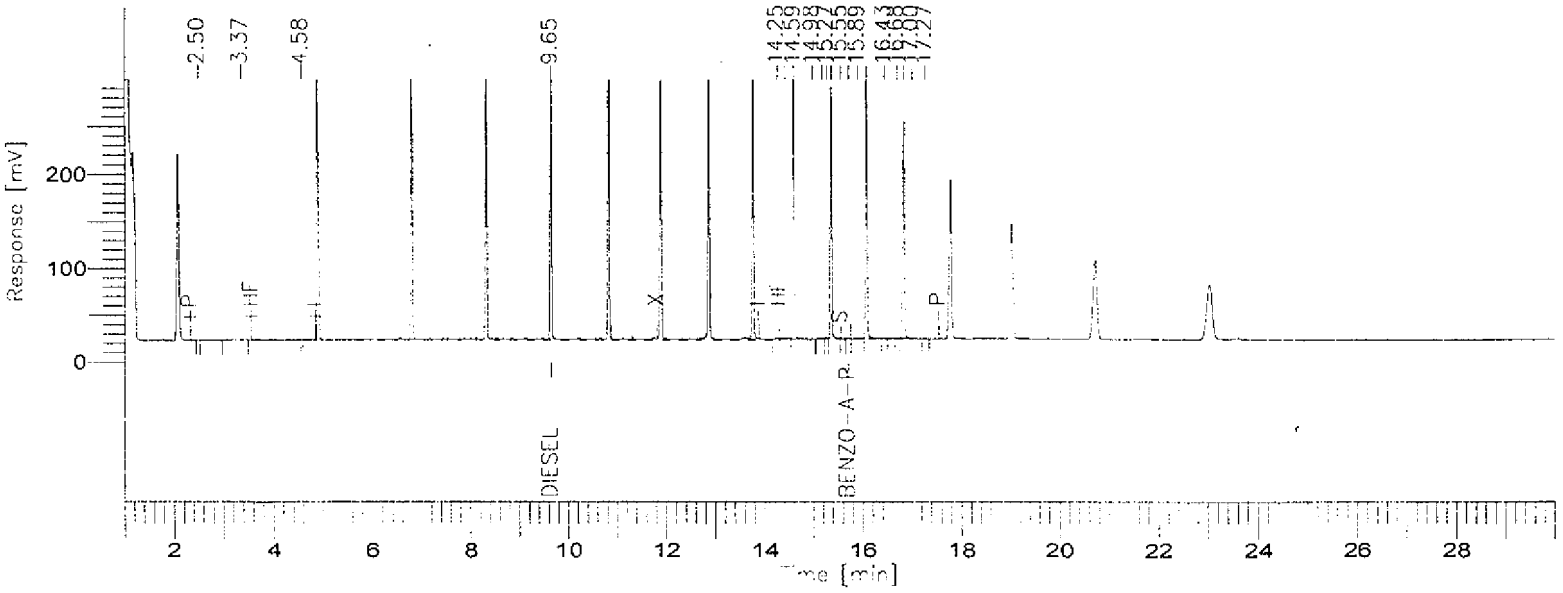
Raw Data File : C:\TC4\DATA_3\312_055.RAW
Result File : C:\TC4\DATA_3\312_055.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_055.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 20



BOE-C6-0006840

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.65	DIESEL	5226595	419.5529	-------	10.0	
15.70	BENZO-A-PYRENE	1591	0.1333	1.07	10.0	
		5228186	419.6862			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_055.TX0

Sample Name : #TEPH01-55 DIESEL STD Time : 3/14/01 11:37 AM
Sample Number: 1000 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 11:07 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

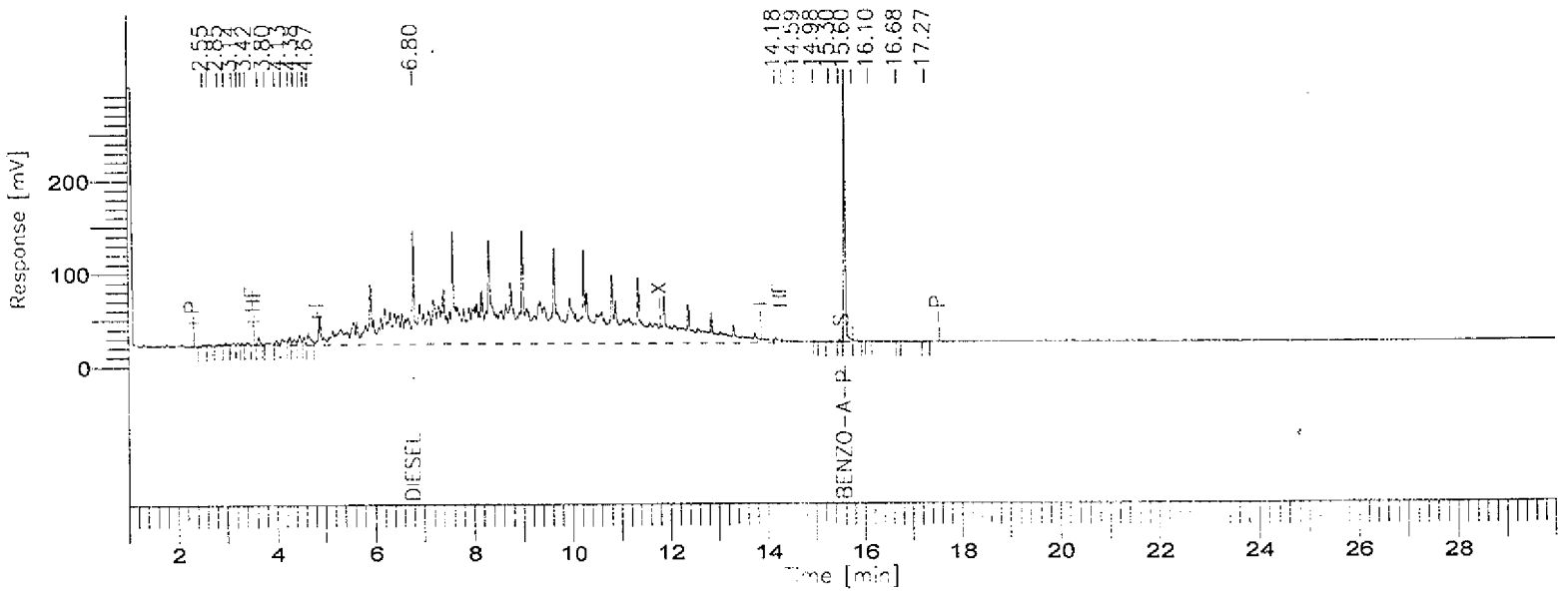
Raw Data File : C:\TC4\DATA_3\312_056.RAW
Result File : C:\TC4\DATA_3\312_056.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_056.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 29



BOE-C6-0006842

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.549		10023	0.0100	------	----------
2.643		5727	0.0057	------	----------
2.852		6920	0.0069	------	----------
2.987		11412	0.0114	------	----------
3.138		9833	0.0098	------	----------
3.241		7988	0.0080	------	----------
3.319		5662	0.0057	------	----------
3.419		9730	0.0097	------	----------
3.653		24790	0.0248	------	----------
3.802		16261	0.0163	------	----------
4.004		20971	0.0210	------	----------
4.126		38689	0.0387	------	----------
4.279		25897	0.0259	------	----------
4.375		24035	0.0240	------	----------
4.483		43180	0.0432	------	----------
4.573		25000	0.0250	------	----------
4.665		57687	0.0577	------	----------
6.802	DIESEL	13472590	1081.4812	1000.0	8.15
14.182		25173	0.0252	------	----------
14.332		721	0.0007	------	----------
14.585		2371	0.0024	------	----------
14.979		864	0.0009	------	----------
15.299		2076	0.0021	------	----------
15.498		5100	0.0051	------	----------
15.602	BENZO-A-PYRENE	694904	58.2021	50.0	16.40
15.767		4783	0.0048	------	----------
16.099		1669	0.0017	------	----------
16.681		450	0.0004	------	----------
17.265		569	0.0006	------	----------
		14555076	1140.0709		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_056.TX0

BOE-C6-0006844

Software Version: 4.1<2F12>
Sample Name : PCB01-12 RT MARKER Time : 3/14/01 12:15 PM
Sample Number: 30 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 11:46 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

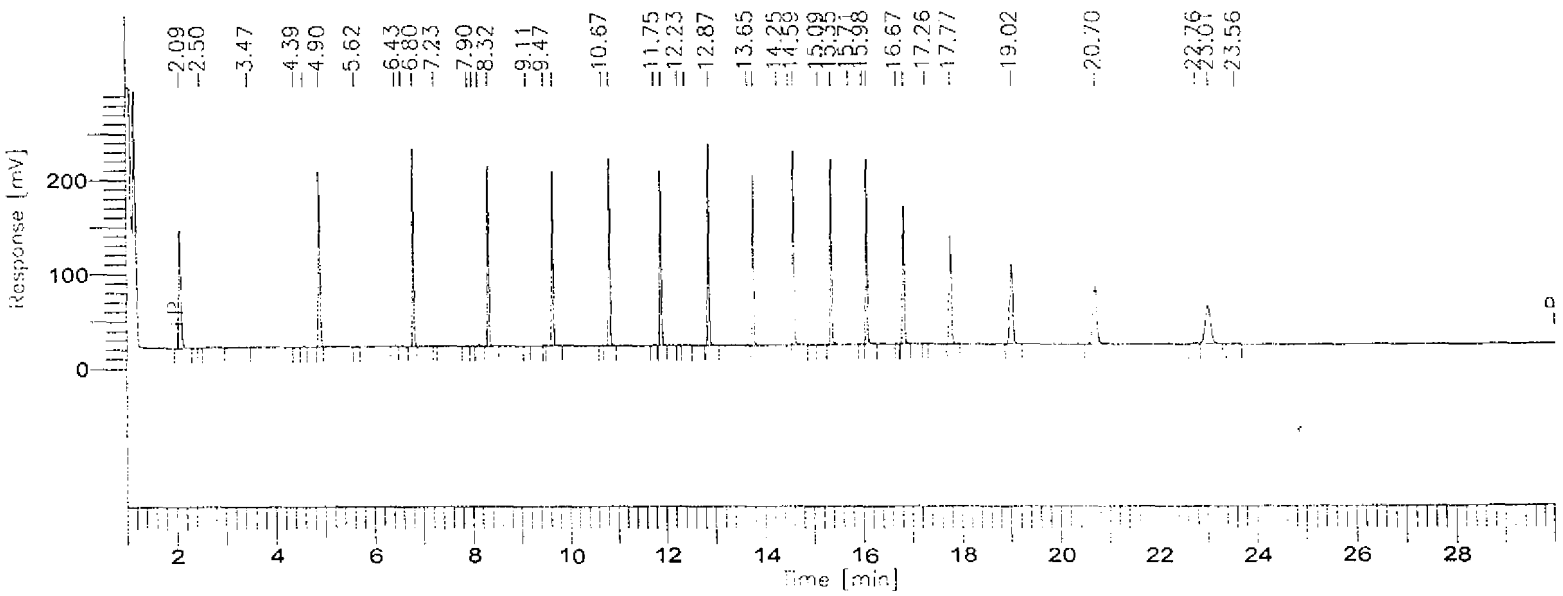
Raw Data File : C:\TC4\DATA_3\312_057.RAW
Result File : C:\TC4\DATA_3\312_057.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_057.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 44



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.447	C8-C9	373032	28.6543	30.0	-4.49
5.811	C10-C11	385045	31.0996	30.0	3.67
7.527	C12-C13	392591	31.9712	30.0	6.57
8.950	C14-C15	396026	31.8975	30.0	6.33
10.203	C16-C17	398602	32.1031	30.0	7.01
11.329	C18-C19	401571	32.0699	30.0	6.90
12.796	C20-C23	807981	32.0146	30.0	6.72
14.524	C24-C27	804426	32.2383	30.0	7.46
16.052	C28-C31	772886	31.9906	30.0	6.64
17.869	C32-C35	713954	31.7297	30.0	5.77
20.934	C36-C39	689823	31.7625	30.0	5.87
26.458	C40+	317856	31.7863	30.0	5.95
		6453794	379.3177		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.089		362870	0.3629	------	----------
2.500		797	0.0008	------	----------
3.466		5604	0.0056	------	----------
4.386		1344	0.0013	------	----------
4.576		2417	0.0024	------	----------
		373032	0.3730		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
4.902		380271	0.3803	------	----------
5.619		744	0.0007	------	----------
6.433		1112	0.0011	------	----------
6.561		2918	0.0029	------	----------
		385045	0.3850		

BOE-C6-0006846

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
6.802		387264	0.3873	------	----------
7.234		254	0.0003	------	----------
7.899		1109	0.0011	------	----------
7.998		1046	0.0010	------	----------
8.118		2918	0.0029	------	----------
		392591	0.3926		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.322		393854	0.3939	------	----------
9.114		1142	0.0011	------	----------
9.466		1031	0.0010	------	----------
		396026	0.3960		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.644		397307	0.3973	------	----------
10.666		1295	0.0013	------	----------
		398602	0.3986		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.821		398976	0.3990	------	----------
11.751		2596	0.0026	------	----------
		401571	0.4016		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D

11.890	402945	0.4029	------	----------
12.232	490	0.0005	------	----------
12.382	739	0.0007	------	----------
12.865	402711	0.4027	------	----------
13.647	1096	0.0011	------	----------
	807981	0.8080		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
13.760		401119	0.4011	------	----------
14.249		772	0.0008	------	----------
14.485		441	0.0004	------	----------
14.585		400670	0.4007	------	----------
15.093		1424	0.0014	------	----------
		804426	0.8044		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.352		392778	0.3928	------	----------
15.710		3268	0.0033	------	----------
15.984		602	0.0006	------	----------
16.067		375598	0.3756	------	----------
16.670		640	0.0006	------	----------
		772886	0.7729		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.821		363632	0.3636	------	----------
17.262		1024	0.0010	------	----------
17.770		349298	0.3493	------	----------
		713954	0.7140		

Group Report For : C36-C39

BOE-C6-0006848

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.016		343111	0.3431	------	----------
20.699		339027	0.3390	------	----------
22.757		7685	0.0077	------	----------
		689823	0.6898		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
23.014		313020	0.3130	------	----------
23.562		4836	0.0048	------	----------
		317856	0.3179		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_057.TX0

BOE-C6-0006849

Software Version: 4.1<2F12>
Sample Name : #TEPH01-55 DIESEL STD Time : 3/15/01 07:13 AM
Sample Number: 1000 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 08:50 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

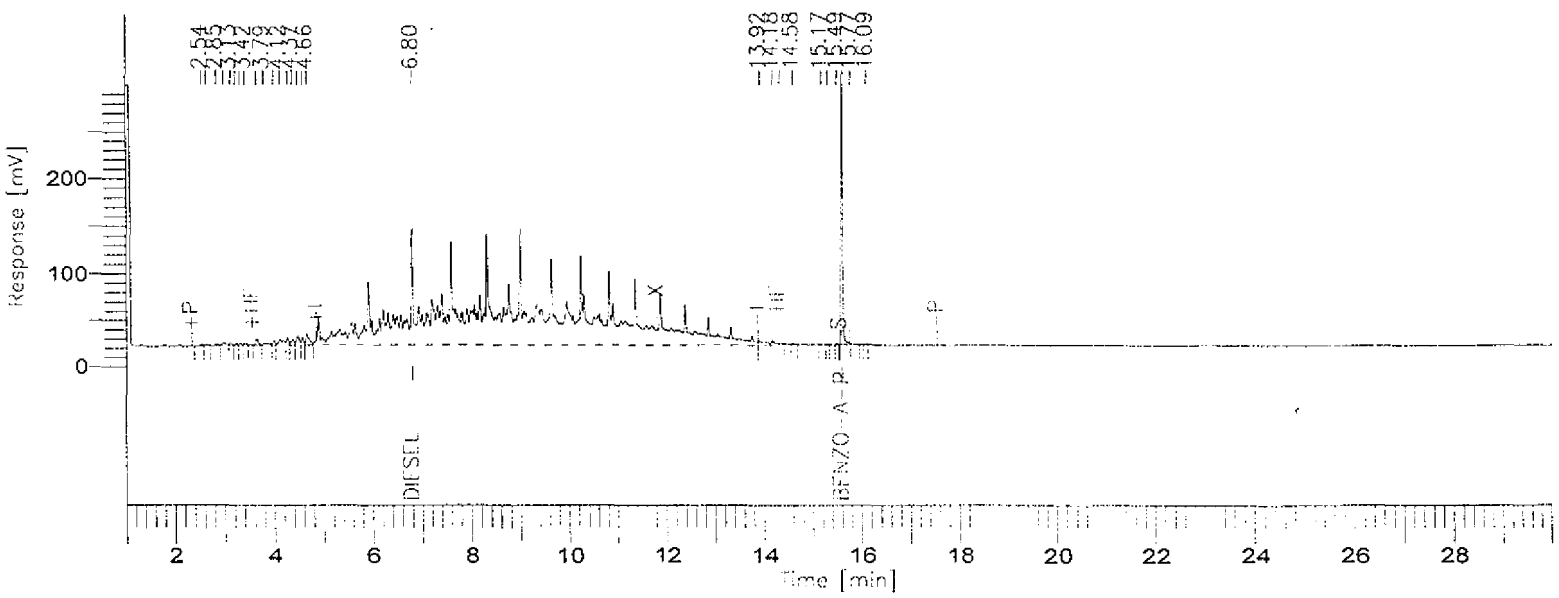
Raw Data File : C:\TC4\DATA_3\312_070.RAW
Result File : C:\TC4\DATA_3\312_070.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_070.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 28



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.542		8232	0.0082	------	----------
2.637		6937	0.0069	------	----------
2.847		7316	0.0073	------	----------
2.982		10824	0.0108	------	----------
3.134		8661	0.0087	------	----------
3.235		7793	0.0078	------	----------
3.316		4958	0.0050	------	----------
3.416		8994	0.0090	------	----------
3.651		25428	0.0254	------	----------
3.792		17707	0.0177	------	----------
4.001		15540	0.0155	------	----------
4.122		45217	0.0452	------	----------
4.274		26047	0.0260	------	----------
4.372		24172	0.0242	------	----------
4.480		43605	0.0436	------	----------
4.569		24799	0.0248	------	----------
4.662		58653	0.0587	------	----------
6.801	DIESEL	13431132	1078.1532	1000.0	7.82
13.918		44938	0.0449	------	----------
14.180		26278	0.0263	------	----------
14.329		707	0.0007	------	----------
14.584		2554	0.0026	------	----------
15.168		504	0.0005	------	----------
15.297		1202	0.0012	------	----------
15.493		5074	0.0051	------	----------
15.599	BENZO-A-PYRENE	686065	57.4619	50.0	14.92
15.767		4275	0.0043	------	----------
16.093		1461	0.0015	------	----------
		14549074	1136.0470		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_070.TX0

BOE-C6-0006852

Software Version: 4.1<2F12>
Sample Name : PCB01-12 RT MARKER Time : 3/15/01 07:13 AM
Sample Number: 30 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 09:29 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

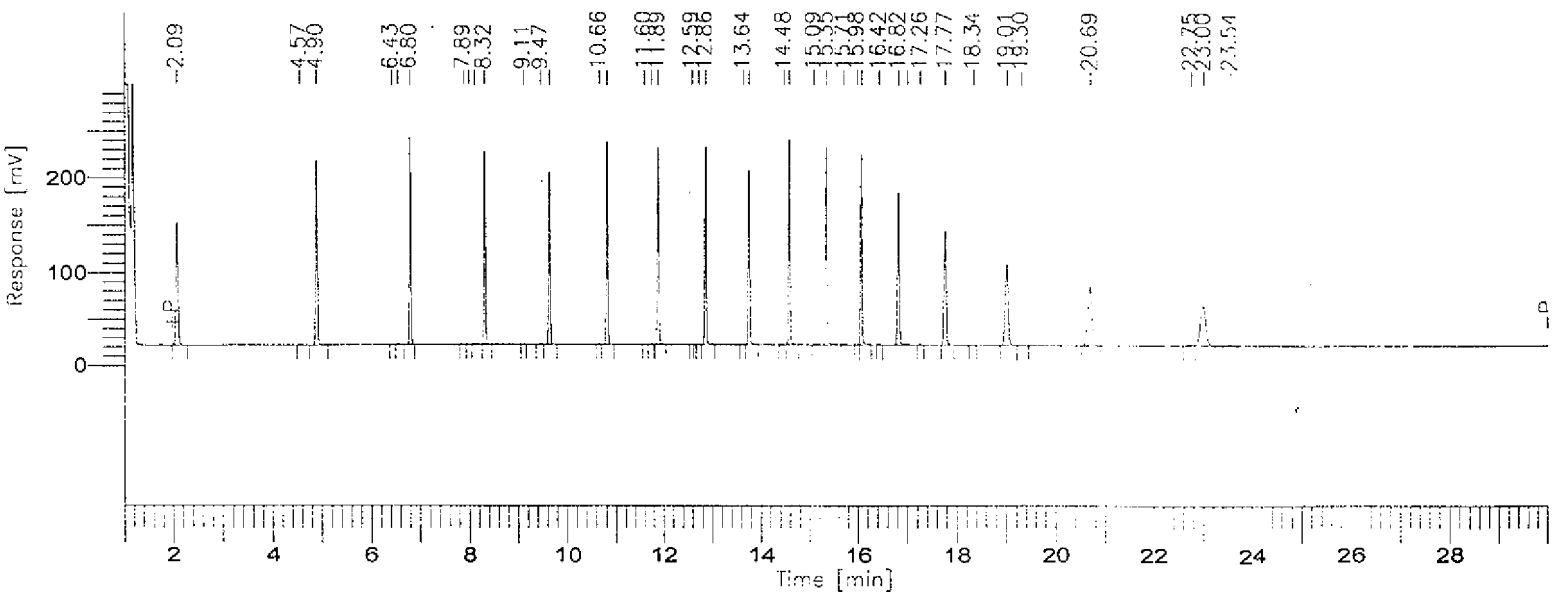
Raw Data File : C:\TC4\DATA_3\312_071.RAW
Result File : C:\TC4\DATA_3\312_071.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_071.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 42



BOE-C6-0006853

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.428	C8-C9	378334	29.0617	30.0	-3.13
5.796	C10-C11	403394	32.5751	30.0	8.58
7.507	C12-C13	405848	33.0508	30.0	10.17
8.929	C14-C15	405568	32.6661	30.0	8.89
10.181	C16-C17	408534	32.9030	30.0	9.68
11.304	C18-C19	412858	32.9713	30.0	9.90
12.773	C20-C23	829420	32.8641	30.0	9.55
14.503	C24-C27	824910	33.0592	30.0	10.20
16.029	C28-C31	799898	33.1086	30.0	10.36
18.657	C32-C35	1113558	33.3951	30.0	11.32
21.689	C36-C39	369144	33.9128	30.0	13.04
26.413	C40+	339833	33.9840	30.0	13.28
		6691300	393.5518		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.088		376030	0.3760	------	----------
4.572		2305	0.0023	------	----------
		378334	0.3783		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
4.901		399870	0.3999	------	----------
6.433		777	0.0008	------	----------
6.560		2747	0.0027	------	----------
		403394	0.4034		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
6.801		401548	0.4015	------	----------
7.894		939	0.0009	------	----------
7.998		823	0.0008	------	----------
8.118		2538	0.0025	------	----------
		405848	0.4058		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.321		403738	0.4037	------	----------
9.110		582	0.0006	------	----------
9.466		1248	0.0012	------	----------
		405568	0.4056		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.641		407178	0.4072	------	----------
10.664		1356	0.0014	------	----------
		408534	0.4085		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.819		409273	0.4093	------	----------
11.595		932	0.0009	------	----------
11.749		2653	0.0027	------	----------
		412858	0.4129		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.887		414181	0.4142	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.585		410	0.0004	------	----------
12.730		756	0.0008	------	----------
12.864		412837	0.4128	------	----------
13.644		1237	0.0012	------	----------
		829420	0.8294		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
13.757		412382	0.4124	------	----------
14.482		436	0.0004	------	----------
14.584		410798	0.4108	------	----------
15.094		1294	0.0013	------	----------
		824910	0.8249		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.350		406920	0.4069	------	----------
15.710		1979	0.0020	------	----------
15.981		769	0.0008	------	----------
16.066		389532	0.3895	------	----------
16.423		698	0.0007	------	----------
		799898	0.7999		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.818		379223	0.3792	------	----------
16.995		3097	0.0031	------	----------
17.262		834	0.0008	------	----------
17.766		366029	0.3660	------	----------
18.337		650	0.0006	------	----------
19.011		362174	0.3622	------	----------
19.304		1551	0.0016	------	----------
		1113558	1.1136		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
20.692		359776	0.3598	------	----------
22.750		9367	0.0094	------	----------
		369144	0.3691		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
23.001		334284	0.3343	------	----------
23.539		5549	0.0055	------	----------
		339833	0.3398		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_071.TX0

Lot/Sample: E1C120000-498B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DW9T5-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 13:03 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_058A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/15 10:37:04
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number:
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 80.0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.418	99.3464		

BOE-C6-0006858

Software Version: 4.1<2F12>
Sample Name : C090309-MB
Sample Number: DW9T51AAB
Operator :

Time : 3/15/01 07:17 AM
Study : ICAL 2/13/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 01:03 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\312_058A.RAW
Result File : C:\TC4\DATA_3\312_058A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_058A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312A.SEQ

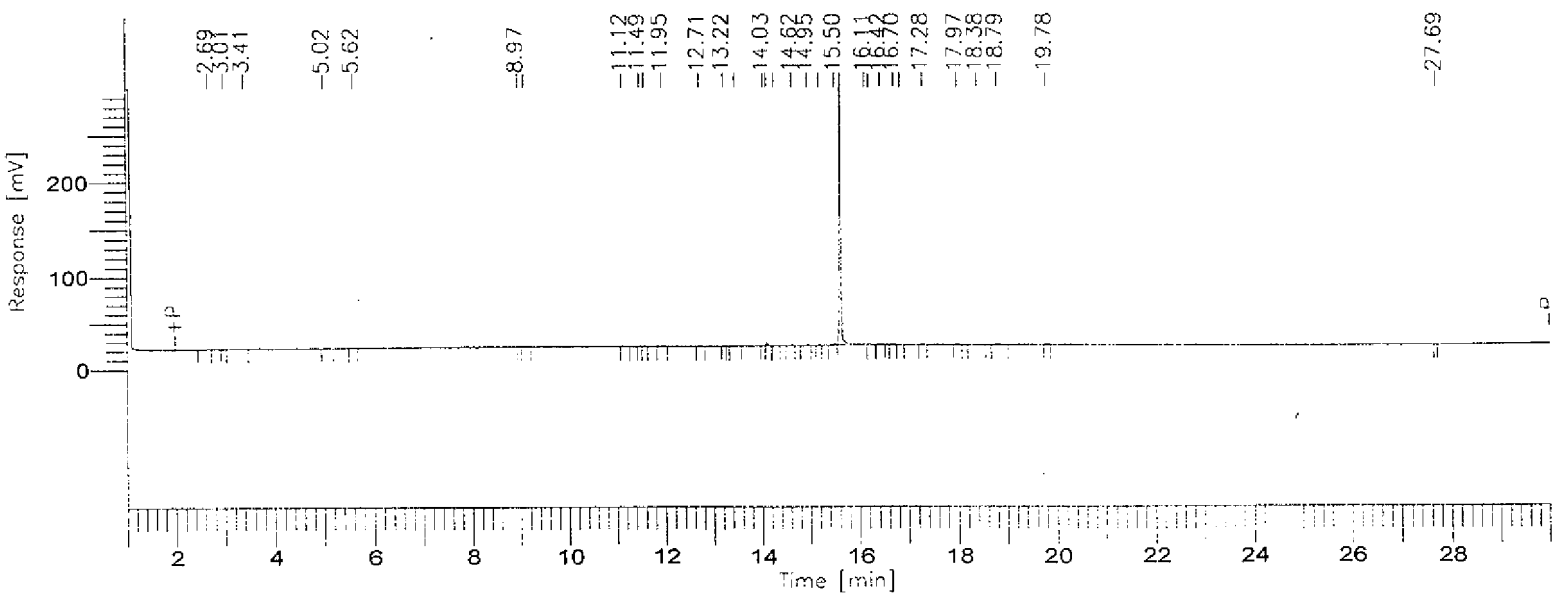
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000
Area Threshold : 200
Divisor : 20.0000
Bunch Factor: 1
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



BOE-C6-0006859

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	8728	0.1676	-------	10.0	
5.80	C10-C11	2260	0.0456	-------	10.0	
7.51	C12-C13	0	0.0000	-------	10.0	
8.93	C14-C15	3957	0.0797	-------	10.0	
10.18	C16-C17	0	0.0000	-------	10.0	
11.30	C18-C19	1952	0.0390	-------	10.0	
12.77	C20-C23	5948	0.0589	-------	10.0	
14.50	C24-C27	12244	0.1227	-------	10.0	
16.03	C28-C31	621624	6.4324	-------	10.0	
18.66	C32-C35	9074	0.0680	-------	10.0	
21.69	C36-C39	0	0.0000	-------	10.0	
26.41	C40+	308	0.0077	-------	10.0	
		666092	7.0216			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.69		3294	0.0008	-------	10.0	
3.00		648	0.0002	-------	10.0	
3.41		4785	0.0012	-------	10.0	
		8728	0.0022			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		1706	0.0004	-------	10.0	
5.62		554	0.0001	-------	10.0	
		2260	0.0006			

Group Report For : C12-C13

BOE-C6-0006860

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.97		1067	0.0003	-------	10.0	
9.10		2889	0.0007	-------	10.0	
		3957	0.0010			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.12		802	0.0002	-------	10.0	
11.48		402	0.0001	-------	10.0	
11.59		748	0.0002	-------	10.0	
		1952	0.0005			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.95		1974	0.0005	-------	10.0	
12.71		855	0.0002	-------	10.0	
13.22		430	0.0001	-------	10.0	
13.46		2690	0.0007	-------	10.0	
		5948	0.0015			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

BOE-C6-0006861

14.03		769	0.0002	-------	10.0
14.10		6367	0.0016	-------	10.0
14.26		1094	0.0003	-------	10.0
14.62		1266	0.0003	-------	10.0
14.95		1294	0.0003	-------	10.0
15.18		1453	0.0004	-------	10.0
		12244	0.0031		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		5565	0.0014	-------	10.0	
15.61		601754	0.1504	-------	10.0	
16.11		5962	0.0015	-------	10.0	
16.18		3142	0.0008	-------	10.0	
16.42		3050	0.0008	-------	10.0	
16.69		2151	0.0005	-------	10.0	
		621624	0.1554			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.83		806	0.0002	-------	10.0	
17.28		2355	0.0006	-------	10.0	
17.97		1306	0.0003	-------	10.0	
18.38		1889	0.0005	-------	10.0	
18.79		1889	0.0005	-------	10.0	
19.78		828	0.0002	-------	10.0	
		9074	0.0023			

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

27.69	308	0.0001	-------	10.0
	308	0.0001		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_058A.TX0

BOE-C6-0006863

Software Version: 4.1<2F12>
Sample Name : C090309-MB
Sample Number:
Operator :

Time : 3/14/01 01:32 PM
Study : ICAL 2/13/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 01:03 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

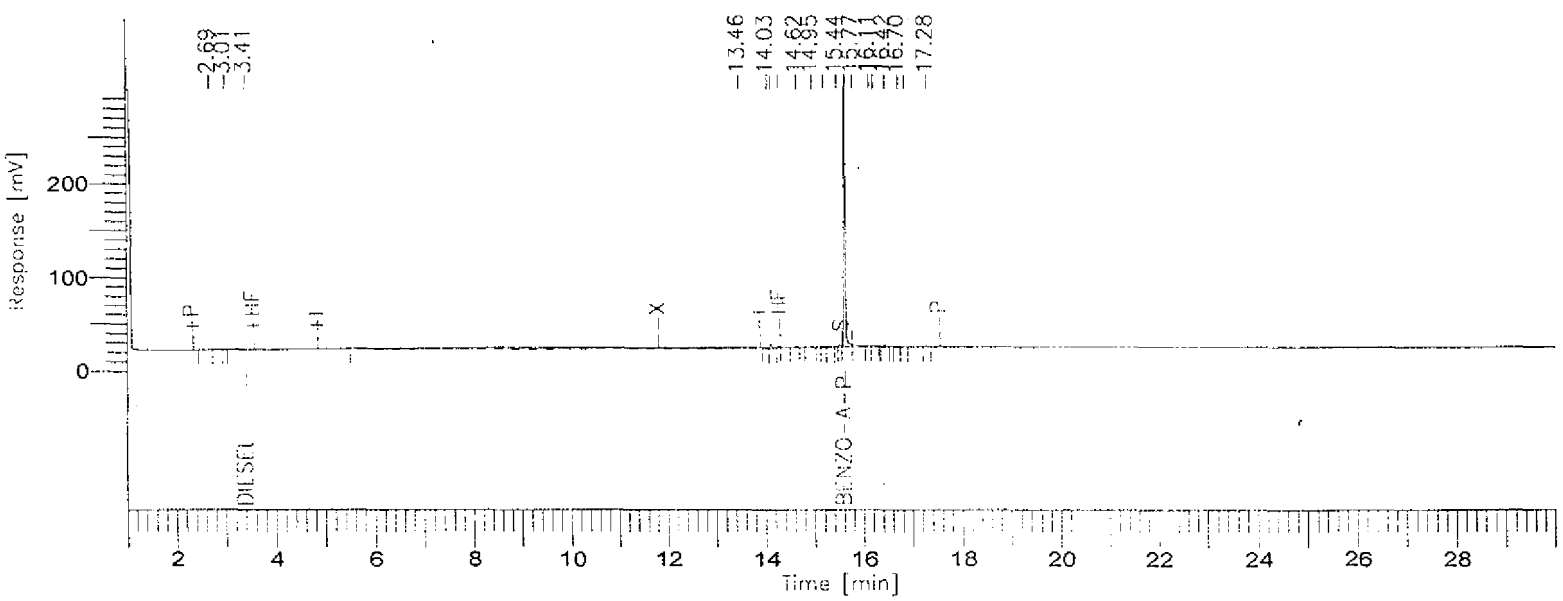
Raw Data File : C:\TC4\DATA_3\312_058.RAW
Result File : C:\TC4\DATA_3\312_058.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_058.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 19



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.41	DIESEL	4785	0.0960	-------	10.0	
15.61	BENZO-A-PYRENE	593071	12.4183	99.35	10.0	
		597856	12.5143			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_058.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 3/15/2001
Time 9:39:23

Lot/Sample: E1C120000-498C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DW9T5-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 13:41 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_059
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/12 18:21:52
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number:
Prep Time....: 12:00-12:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1577-2DCS/5000PPM/1M
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
04980	Diesel Range Organics			250	NA	0	0		NA
05013	Motor Oil Range Organic			250	NA	0	0		NA
03052	TPH (as Diesel)			250	227.7519	91.1	0		
03053	TPH (as Motor Oil)			250	NA	0	0		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.619	100.952		NA

BOE-C6-0006866

Software Version: 4.1<2F12>
Sample Name : C090309-LCS
Sample Number:
Operator :

Time : 3/15/01 07:03 AM
Study : ICAL 2/13/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 01:41 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

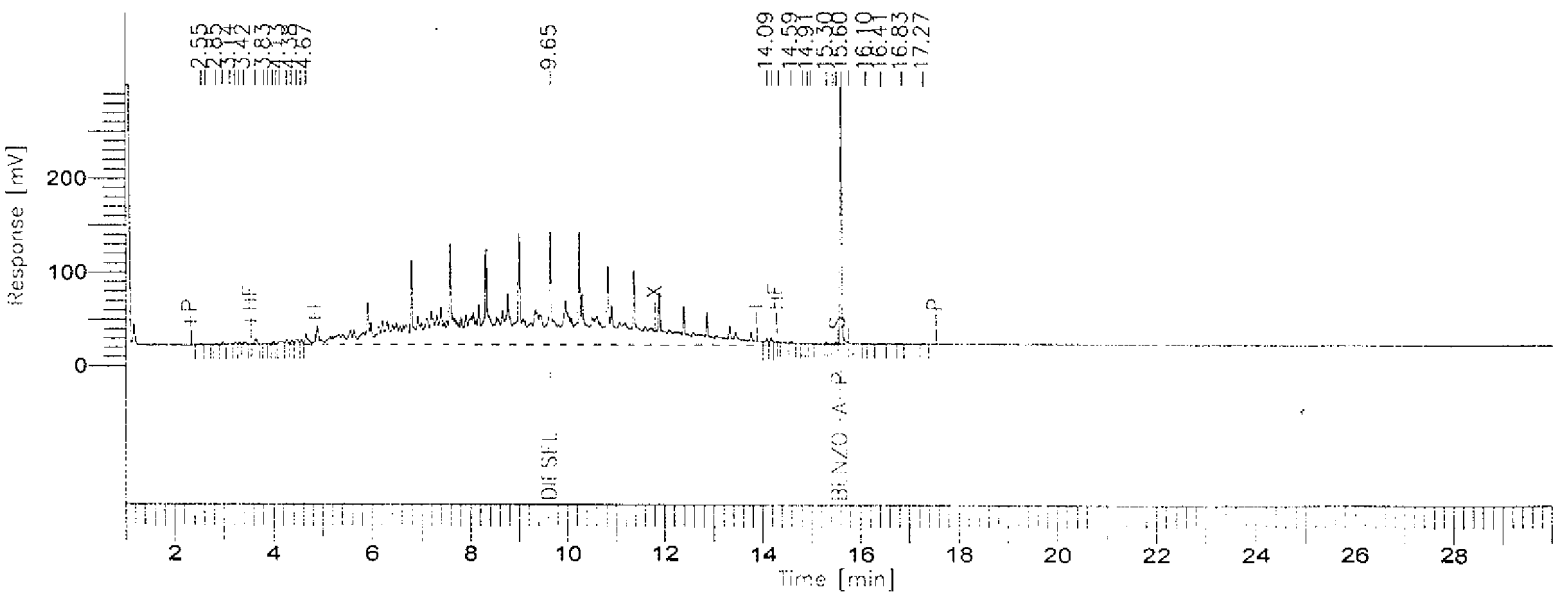
Raw Data File : C:\TC4\DATA_3\312_059.RAW
Result File : C:\TC4\DATA_3\312_059.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_059.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_059.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_059.RST
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 36



BOE-C6-0006867

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.647	DIESEL	11348908	227.7519	250.0000	91.10	
15.602	BENZO-A-PYRENE	602658	12.6190	12.5000	100.95	
		11951566				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_059.TX0

Lot/Sample: E1C090309-001 Source-J-1-0309 TICs.....: N Report Results: Y
WO#.....: DW7TV-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 14:20 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_060A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/15 10:37:30
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number: 1071274
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 80.0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			10.9073	10	5		
05204	C32-C35			11.2895	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			40.7274	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.244	81.9536		

Software Version: 4.1<2F12>
Sample Name : C090309-01 Time : 3/15/01 07:29 AM
Sample Number: DW7TV1AC Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 02:20 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

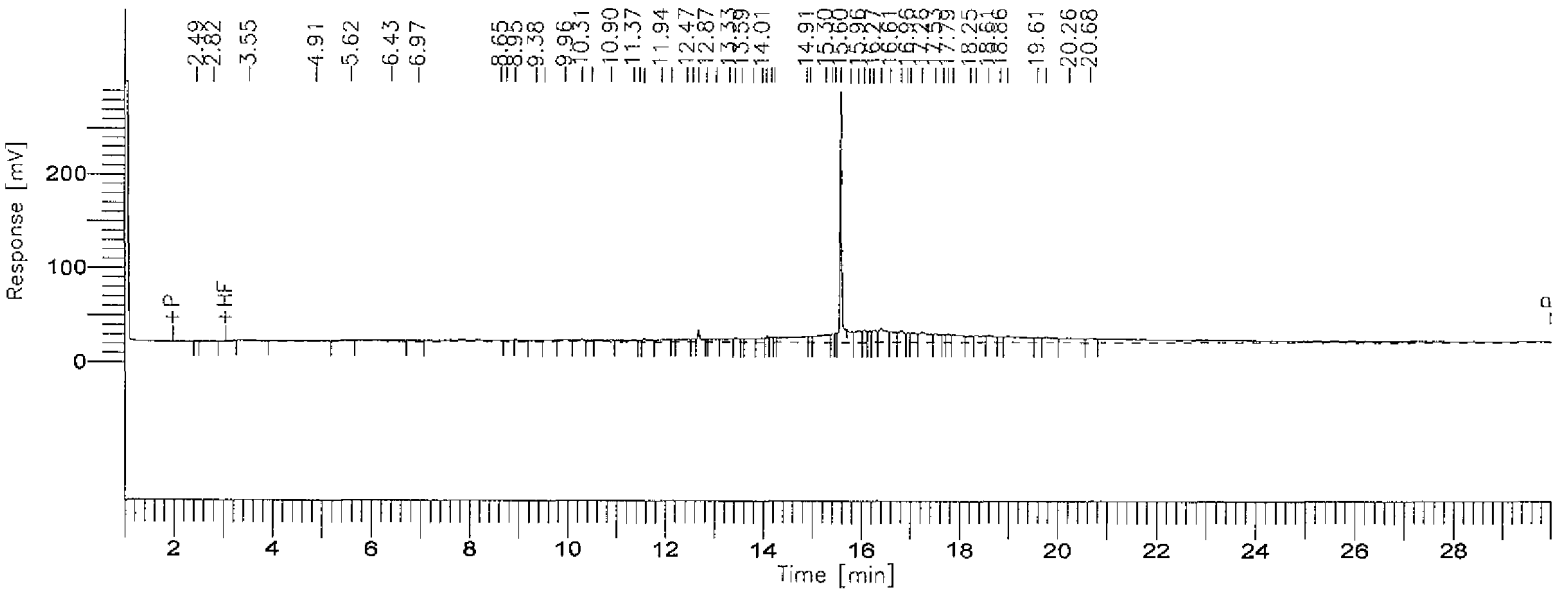
Raw Data File : C:\TC4\DATA_3\312_060A.RAW
Result File : C:\TC4\DATA_3\312_060A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_060A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_060A.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_060A.RST
Sequence File : C:\TC4\DATA_3\312A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 64



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	16797	0.3226	-------	10.0	
5.80	C10-C11	83119	1.6780	-------	10.0	
7.51	C12-C13	17804	0.3625	-------	10.0	
8.93	C14-C15	193237	3.8910	-------	10.0	
10.18	C16-C17	67582	1.3607	-------	10.0	
11.30	C18-C19	130014	2.5958	-------	10.0	
12.77	C20-C23	306788	3.0390	-------	10.0	
14.50	C24-C27	383635	3.8437	-------	10.0	
16.03	C28-C31	1543312	15.9698	-------	10.0	
18.66	C32-C35	1505794	11.2895	-------	10.0	
21.69	C36-C39	62582	1.4373	-------	10.0	
26.41	C40+	0	0.0000	-------	10.0	
		4310664	45.7899			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.49		723	0.0002	-------	10.0	
2.82		3636	0.0009	-------	10.0	
3.55		12438	0.0031	-------	10.0	
		16797	0.0042			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.91		20492	0.0051	-------	10.0	
5.61		14421	0.0036	-------	10.0	
6.43		48206	0.0121	-------	10.0	
		83119	0.0208			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.97		17804	0.0045	-------	10.0	
		17804	0.0045			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.65		105074	0.0263	-------	10.0	
8.77		16559	0.0041	-------	10.0	
8.95		23536	0.0059	-------	10.0	
9.38		23986	0.0060	-------	10.0	
9.55		24082	0.0060	-------	10.0	
		193237	0.0483			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.96		27100	0.0068	-------	10.0	
10.30		26106	0.0065	-------	10.0	
10.52		14376	0.0036	-------	10.0	
		67582	0.0169			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.90		40541	0.0101	-------	10.0	
11.37		48982	0.0122	-------	10.0	
11.49		6996	0.0017	-------	10.0	
11.58		33495	0.0084	-------	10.0	
		130014	0.0325			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

11.94	41756	0.0104	-------	10.0
12.15	12684	0.0032	-------	10.0
12.47	44244	0.0111	-------	10.0
12.59	15222	0.0038	-------	10.0
12.70	49691	0.0124	-------	10.0
12.87	8042	0.0020	-------	10.0
13.06	39149	0.0098	-------	10.0
13.33	51874	0.0130	-------	10.0
13.45	30977	0.0077	-------	10.0
13.58	13149	0.0033	-------	10.0
	306788	0.0767		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.82		48004	0.0120	-------	10.0	
14.01		44686	0.0112	-------	10.0	
14.09		24585	0.0061	-------	10.0	
14.19		21656	0.0054	-------	10.0	
14.25		18480	0.0046	-------	10.0	
14.91		195061	0.0488	-------	10.0	
14.98		31163	0.0078	-------	10.0	
		383635	0.0959			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.30		155696	0.0389	-------	10.0	
15.43		41572	0.0104	-------	10.0	
15.50		28446	0.0071	-------	10.0	
15.60		616763	0.1542	-------	10.0	
15.81		81773	0.0204	-------	10.0	
15.96		126488	0.0316	-------	10.0	
16.08		71249	0.0178	-------	10.0	
16.18		57902	0.0145	-------	10.0	
16.27		93647	0.0234	-------	10.0	
16.43		165880	0.0415	-------	10.0	
16.61		103896	0.0260	-------	10.0	
		1543312	0.3858			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.84		103017	0.0258	-------	10.0	
16.96		46596	0.0116	-------	10.0	
17.03		90560	0.0226	-------	10.0	
17.26		162613	0.0407	-------	10.0	
17.53		92206	0.0231	-------	10.0	
17.70		39645	0.0099	-------	10.0	
17.79		56652	0.0142	-------	10.0	
17.89		124569	0.0311	-------	10.0	
18.25		68293	0.0171	-------	10.0	
18.36		101517	0.0254	-------	10.0	
18.61		88992	0.0222	-------	10.0	
18.86		46466	0.0116	-------	10.0	
19.00		198814	0.0497	-------	10.0	
19.61		50960	0.0127	-------	10.0	
19.79		96985	0.0242	-------	10.0	
20.26		137909	0.0345	-------	10.0	
		1505794	0.3764			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.68		62582	0.0156	-------	10.0	
		62582	0.0156			

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_060A.TX0

Software Version: 4.1<2F12>
Sample Name : C090309-01 Time : 3/15/01 07:04 AM
Sample Number: DW7TV1AC Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 02:20 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\312_060.RAW
Result File : C:\TC4\DATA_3\312_060.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_060.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_060.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_060.RST
Sequence File : C:\TC4\DATA_3\312.SEQ

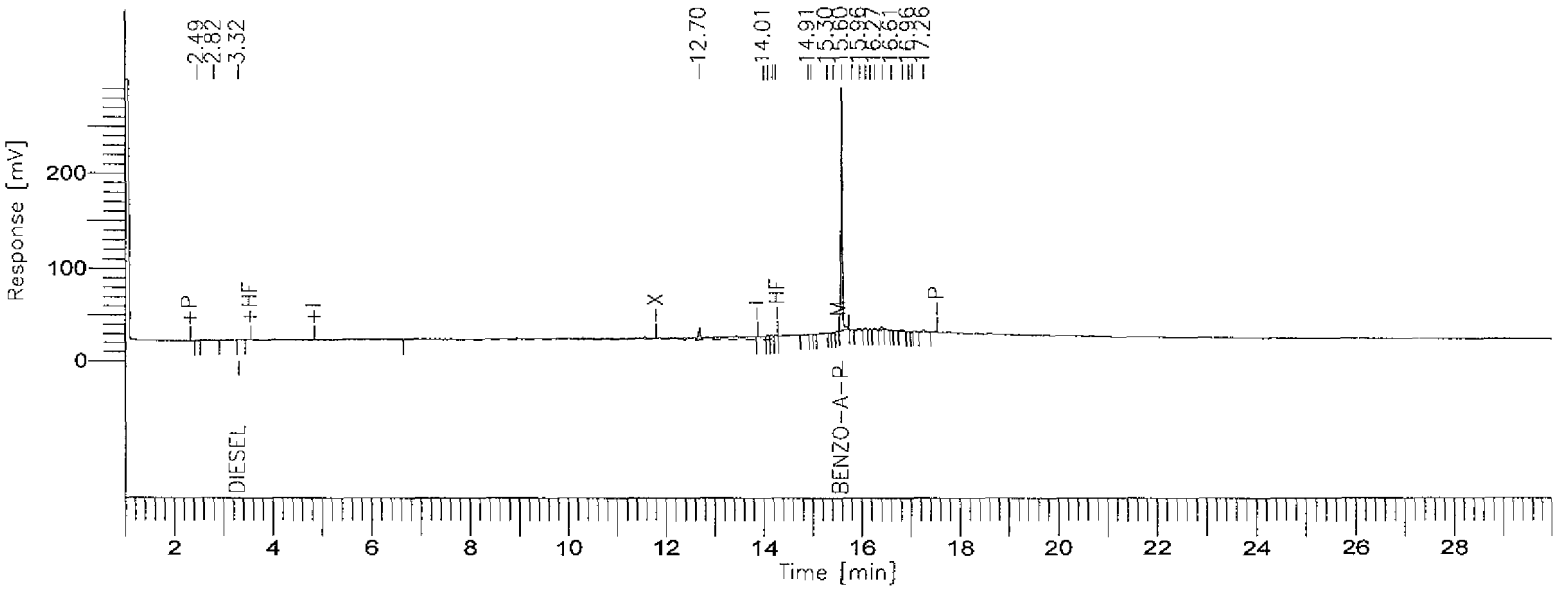
Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 24

MANUAL INTEGRATION CODES
1 Poor Peak Shape 5 Column Bleed
2 Poor Peak Resolution 6 Instrument Noise
3 Peak Not Integrated 7 Poor Baseline
4 Sample Matrix Interf. 8 Other
Initials EL Date: 3-15-01



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.32	DIESEL	708	0.0142	-------	10.0	
15.60	BENZO-A-PYRENE	489241	10.2442	81.95	10.0	
		489949	10.2584			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_060.TX0

Software Version: 4.1<2F12>
Sample Name : C090309-01 Time : 3/14/01 02:51 PM
Sample Number: DW7TV1AC Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 02:20 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

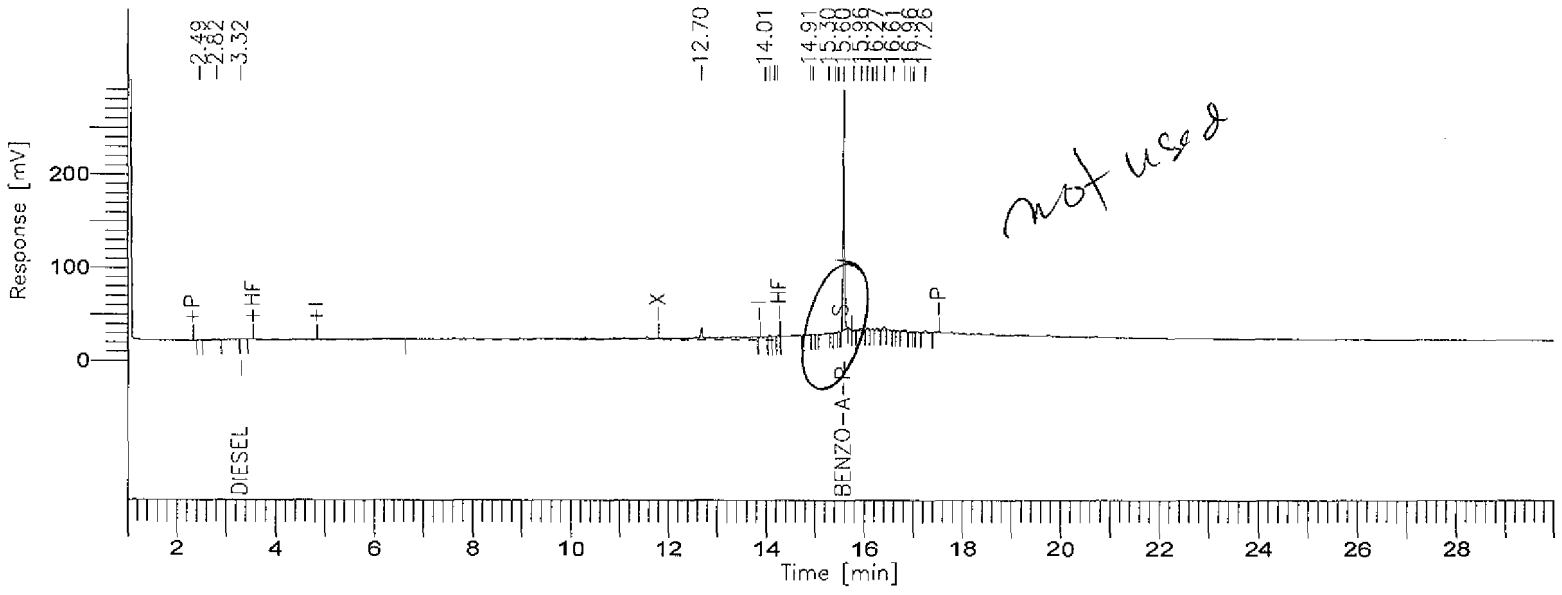
Raw Data File : C:\TC4\DATA_3\312_060.RAW
Result File : C:\TC4\DATA_3\312_060.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_060.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.32	DIESEL	708	0.0142	-------	10.0	
15.60	BENZO-A-PYRENE	469071	9.8218	78.57	10.0	
		469779	9.8360			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_060.TX0

Lot/Sample: E1C090309-002 Source-J-2-0309 TICs.....: N Report Results: Y
WO#.....: DW7T4-1-AE Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 14:59 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_061A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/15 10:37:46
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number: 1071274
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 80.0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			5.9514	10	5	J	J
05203	C28-C31			9.5191	10	5	J	J
05204	C32-C35			11.5871	10	5		
05205	C36-C39			14.9690	10	5		
05132	C40+			7.9235	10	5	J	J
05136	Total Carbon Chain Rang			56.4546	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.322	82.5792		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

BOE-C6-0006879

Lot/Sample: E1C090309-002 Source-J-2-0309 TICs.....: N Report Results: Y
WO#.....: DW7T4-1-AE Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : C090309-02 Time : 3/15/01 07:29 AM
Sample Number: DW7T41AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 02:59 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

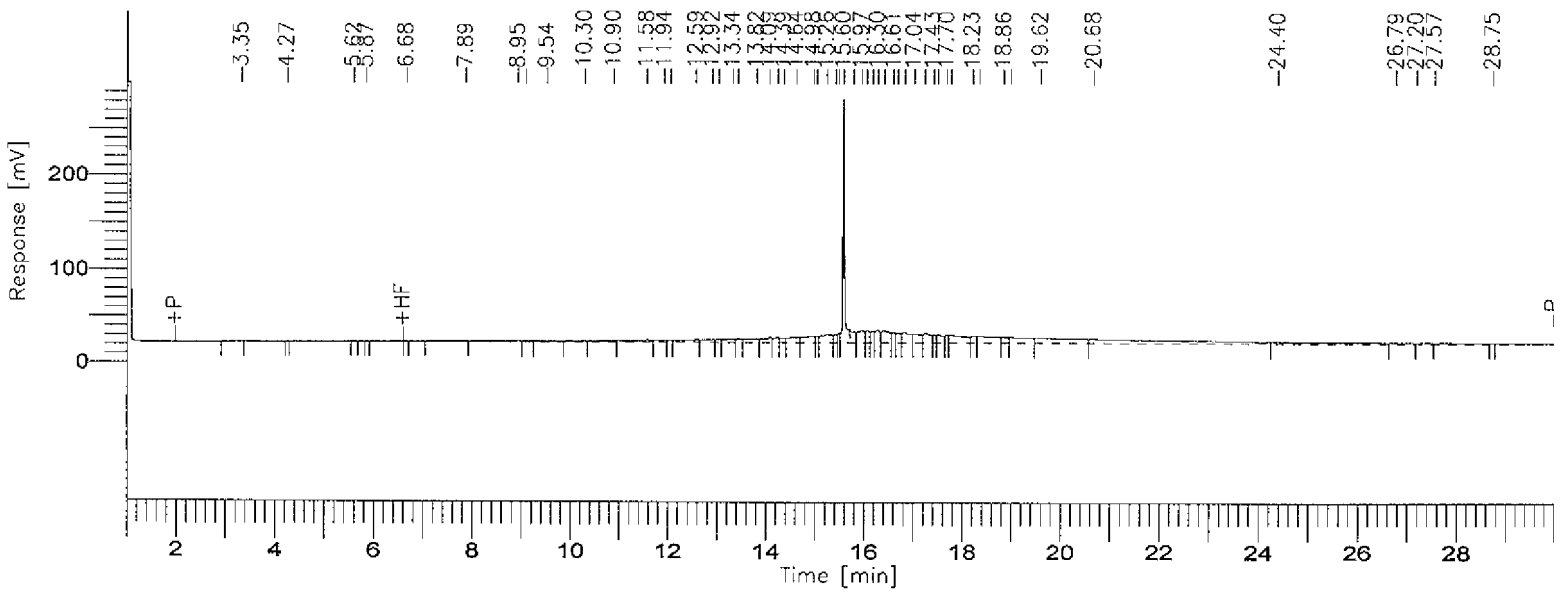
Raw Data File : C:\TC4\DATA_3\312_061A.RAW
Result File : C:\TC4\DATA_3\312_061A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_061A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_061A.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_061A.RST
Sequence File : C:\TC4\DATA_3\312A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 56



BOE-C6-0006881

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	4020	0.0772	-------	10.0	
5.80	C10-C11	1594	0.0322	-------	10.0	
7.51	C12-C13	12014	0.2446	-------	10.0	
8.93	C14-C15	65113	1.3111	-------	10.0	
10.18	C16-C17	22141	0.4458	-------	10.0	
11.30	C18-C19	94266	1.8820	-------	10.0	
12.77	C20-C23	253550	2.5116	-------	10.0	
14.50	C24-C27	594008	5.9514	-------	10.0	
16.03	C28-C31	1412890	14.6203	-------	10.0	
18.66	C32-C35	1545483	11.5871	-------	10.0	
21.69	C36-C39	651755	14.9690	-------	10.0	
26.41	C40+	316935	7.9235	-------	10.0	
		4973769	61.5558			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.35		3642	0.0009	-------	10.0	
4.27		378	0.0001	-------	10.0	
		4020	0.0010			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.62		759	0.0002	-------	10.0	
5.87		380	0.0001	-------	10.0	
6.68		455	0.0001	-------	10.0	
		1594	0.0004			

Group Report For : C12-C13

BOE-C6-0006882

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.89		12014	0.0030	-------	10.0	
		12014	0.0030			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.95		31714	0.0079	-------	10.0	
9.11		8273	0.0021	-------	10.0	
9.54		25126	0.0063	-------	10.0	
		65113	0.0163			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.30		22141	0.0055	-------	10.0	
		22141	0.0055			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.90		34912	0.0087	-------	10.0	
11.58		59354	0.0148	-------	10.0	
		94266	0.0236			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.94		28155	0.0070	-------	10.0	
12.07		12292	0.0031	-------	10.0	
12.59		65536	0.0164	-------	10.0	
12.92		45279	0.0113	-------	10.0	
13.06		22292	0.0056	-------	10.0	
13.34		49398	0.0123	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.45		30598	0.0076	-------	10.0	
		253550	0.0634			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.82		68451	0.0171	-------	10.0	
14.09		66962	0.0167	-------	10.0	
14.25		42843	0.0107	-------	10.0	
14.38		37858	0.0095	-------	10.0	
14.63		89173	0.0223	-------	10.0	
14.98		119124	0.0298	-------	10.0	
15.06		27101	0.0068	-------	10.0	
15.26		142496	0.0356	-------	10.0	
		594008	0.1485			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.43		42976	0.0107	-------	10.0	
15.50		30084	0.0075	-------	10.0	
15.60		606152	0.1515	-------	10.0	
15.81		84442	0.0211	-------	10.0	
15.97		133835	0.0335	-------	10.0	
16.07		74698	0.0187	-------	10.0	
16.19		59296	0.0148	-------	10.0	
16.30		99348	0.0248	-------	10.0	
16.43		155242	0.0388	-------	10.0	
16.61		54483	0.0136	-------	10.0	
16.71		72334	0.0181	-------	10.0	
		1412890	0.3532			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.84		138990	0.0347	-------	10.0	
17.04		108358	0.0271		[illegible]	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.25		110528	0.0276	-------	10.0	
17.43		42513	0.0106	-------	10.0	
17.52		80715	0.0202	-------	10.0	
17.70		39908	0.0100	-------	10.0	
17.79		192157	0.0480	-------	10.0	
18.23		57008	0.0143	-------	10.0	
18.36		200306	0.0501	-------	10.0	
18.86		61400	0.0154	-------	10.0	
19.01		179058	0.0448	-------	10.0	
19.62		334542	0.0836	-------	10.0	
		1545483	0.3864			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.68		651755	0.1629	-------	10.0	
		651755	0.1629			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.40		216656	0.0542	-------	10.0	
26.79		32302	0.0081	-------	10.0	
27.20		19184	0.0048	-------	10.0	
27.57		45400	0.0114	-------	10.0	
28.75		3393	0.0008	-------	10.0	
		316935	0.0792			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_061A.TX0

Software Version: 4.1<2F12>
Sample Name : C090309-02 Time : 3/14/01 03:29 PM
Sample Number: DW7T41AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 02:59 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

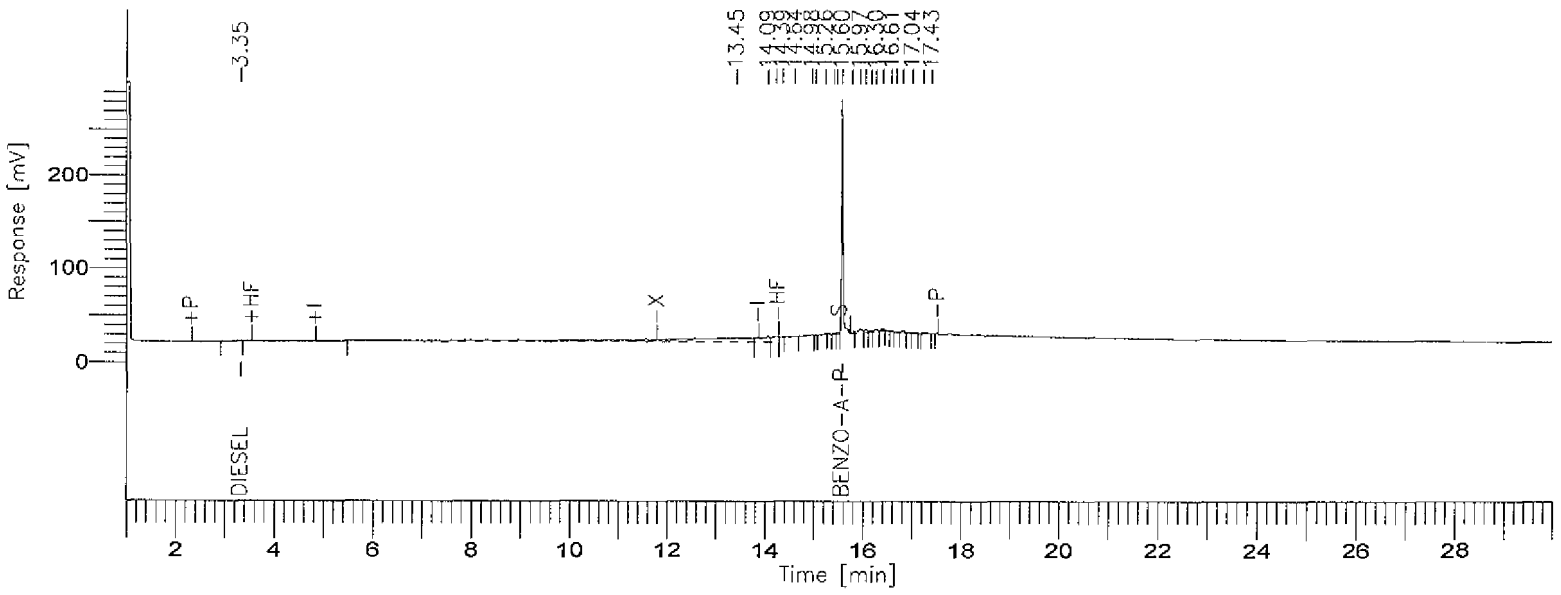
Raw Data File : C:\TC4\DATA_3\312_061.RAW
Result File : C:\TC4\DATA_3\312_061.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_061.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 24



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.35	DIESEL	3642	0.0731	-------	10.0	
15.60	BENZO-A-PYRENE	492975	10.3224	82.58	10.0	
		496617	10.3955			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_061.TX0

Lot/Sample: E1C090309-003 Source-J-3-0309 TICs.....: N Report Results: Y
WO#.....: DW7T7-1-AE Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 15:38 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_062A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/15 10:38:00
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number: 1071274
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 80.0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			7.6529	10	5	J	J
05204	C32-C35			8.2624	10	5	J	J
05205	C36-C39			5.2976	10	5	J	J
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			29.8943	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.405	83.2432		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E1C090309-003 Source-J-3-0309 TICs.....: N Report Results: Y
WO#.....: DW7T7-1-AE Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : C090309-03 Time : 3/15/01 07:30 AM
Sample Number: DW7T71AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 03:38 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

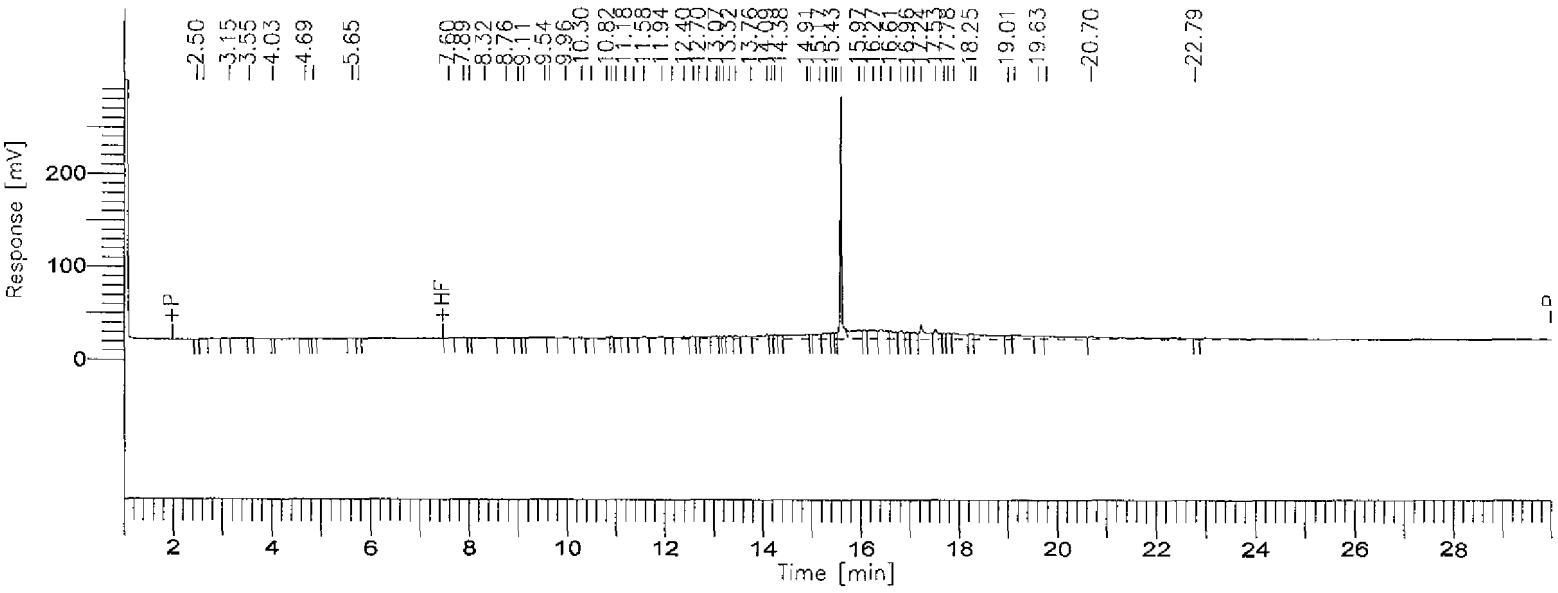
Raw Data File : C:\TC4\DATA_3\312_062A.RAW
Result File : C:\TC4\DATA_3\312_062A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_062A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_062A.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_062A.RST
Sequence File : C:\TC4\DATA_3\312A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 71



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	4493	0.0863	-------	10.0	
5.80	C10-C11	2060	0.0416	-------	10.0	
7.51	C12-C13	5371	0.1093	-------	10.0	
8.93	C14-C15	39715	0.7997	-------	10.0	
10.18	C16-C17	35613	0.7171	-------	10.0	
11.30	C18-C19	65050	1.2987	-------	10.0	
12.77	C20-C23	204058	2.0213	-------	10.0	
14.50	C24-C27	360045	3.6073	-------	10.0	
16.03	C28-C31	1236514	12.7952	-------	10.0	
18.66	C32-C35	1102038	8.2624	-------	10.0	
21.69	C36-C39	230661	5.2976	-------	10.0	
26.41	C40+	0	0.0000	-------	10.0	
		3285618	35.0366			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.50		463	0.0001	-------	10.0	
2.64		1195	0.0003	-------	10.0	
3.15		716	0.0002	-------	10.0	
3.55		594	0.0001	-------	10.0	
4.03		470	0.0001	-------	10.0	
4.69		1056	0.0003	-------	10.0	
		4493	0.0011			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.85		595	0.0001	-------	10.0	
5.65		898	0.0002	-------	10.0	
5.77		567	0.0001	-------	10.0	
		2060	0.0005			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.60		1229	0.0003	-------	10.0	
7.89		2872	0.0007	-------	10.0	
8.01		1270	0.0003	-------	10.0	
		5371	0.0013			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.32		9853	0.0025	-------	10.0	
8.76		8312	0.0021	-------	10.0	
9.00		5899	0.0015	-------	10.0	
9.11		2574	0.0006	-------	10.0	
9.54		13077	0.0033	-------	10.0	
		39715	0.0099			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.64		8079	0.0020	-------	10.0	
9.96		11058	0.0028	-------	10.0	
10.30		10536	0.0026	-------	10.0	
10.50		5940	0.0015	-------	10.0	
		35613	0.0089			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.82		14256	0.0036	-------	10.0	
10.90		4909	0.0012	-------	10.0	
11.00		7473	0.0019	-------	10.0	
11.18		7839	0.0020	-------	10.0	
11.37		10927	0.0027	-------	10.0	
11.57		19646	0.0049	-------	10.0	
		65050	0.0163			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.94		24046	0.0060	-------	10.0	
12.15		12784	0.0032	-------	10.0	
12.40		31035	0.0078	-------	10.0	
12.59		14210	0.0036	-------	10.0	
12.70		8768	0.0022	-------	10.0	
12.87		25054	0.0063	-------	10.0	
13.07		21378	0.0053	-------	10.0	
13.13		9082	0.0023	-------	10.0	
13.20		11755	0.0029	-------	10.0	
13.32		21571	0.0054	-------	10.0	
13.45		24375	0.0061	-------	10.0	
		204058	0.0510			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.76		34133	0.0085	-------	10.0	
14.09		63613	0.0159	-------	10.0	
14.18		16753	0.0042	-------	10.0	
14.25		17990	0.0045	-------	10.0	
14.38		24150	0.0060	-------	10.0	
14.91		127880	0.0320	-------	10.0	
14.98		19491	0.0049	-------	10.0	
15.17		56035	0.0140	-------	10.0	
		360045	0.0900			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.30		65296	0.0163	-------	10.0	
15.43		32649	0.0082	-------	10.0	
15.50		22526	0.0056	-------	10.0	
15.60		578487	0.1446	-------	10.0	
15.97		162446	0.0406	-------	10.0	
16.07		55092	0.0138	-------	10.0	
16.27		116836	0.0292	-------	10.0	
16.42		125299	0.0313	-------	10.0	
16.61		77883	0.0195	-------	10.0	

	1236514	0.3091

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.82		68255	0.0171	-------	10.0	
16.96		43263	0.0108	-------	10.0	
17.08		69200	0.0173	-------	10.0	
17.23		142557	0.0356	-------	10.0	
17.53		78177	0.0195	-------	10.0	
17.70		29567	0.0074	-------	10.0	
17.78		41312	0.0103	-------	10.0	
17.90		103736	0.0259	-------	10.0	
18.25		37213	0.0093	-------	10.0	
18.34		166049	0.0415	-------	10.0	
19.01		35232	0.0088	-------	10.0	
19.15		96314	0.0241	-------	10.0	
19.63		40740	0.0102	-------	10.0	
19.79		150423	0.0376	-------	10.0	
		1102038	0.2755			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.70		221935	0.0555	-------	10.0	
22.79		8726	0.0022	-------	10.0	
		230661	0.0577			

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_062A.TX0

Software Version: 4.1<2F12>
Sample Name : C090309-03 Time : 3/14/01 04:08 PM
Sample Number: DW7T71AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 03:38 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

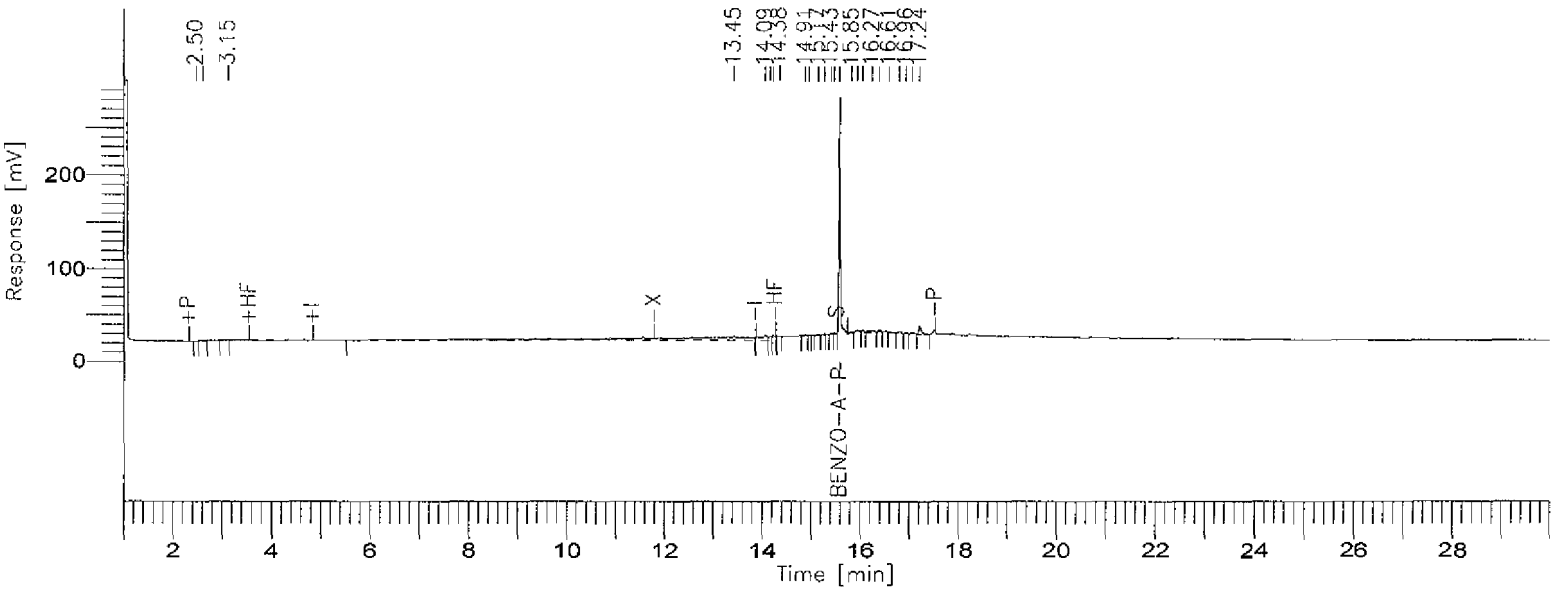
Raw Data File : C:\TC4\DATA_3\312_062.RAW
Result File : C:\TC4\DATA_3\312_062.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_062.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.14	DIESEL	0	0.0000	-------	10.0	
15.60	BENZO-A-PYRENE	496939	10.4054	83.24	10.0	
		496939	10.4054			

Missing Component Report

Component	Expected Retention (Calibration File)
DIESEL	7.143

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_062.TX0

Lot/Sample: E1C090309-004 Source-I-1-0309 TICs.....: N Report Results: Y
WO#.....: DW7VC-1-AE Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 16:17 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_063A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/15 10:38:12
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number: 1071274
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 80.0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			9.7895	10	5	J	J
05202	C24-C27			21.7256	10	5		
05203	C28-C31			41.1770	10	5		
05204	C32-C35			62.2502	10	5		
05205	C36-C39			65.3099	10	5		
05132	C40+			117.6133	10	5		
05136	Total Carbon Chain Rang			340.0632	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	9.9776	79.8208		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E1C090309-004 Source-I-1-0309 TICs.....: N Report Results: Y
WO#.....: DW7VC-1-AE Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : C090309-04 Time : 3/15/01 07:31 AM
Sample Number: DW7VC1AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 04:17 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

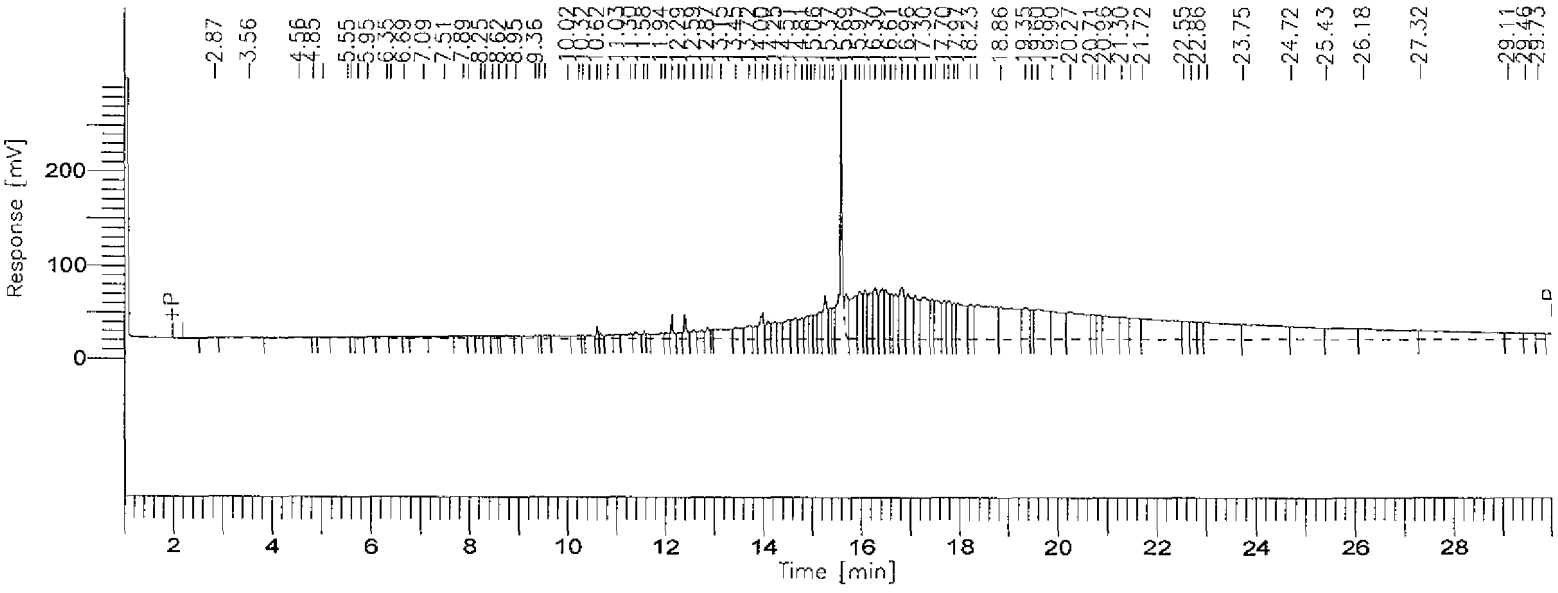
Raw Data File : C:\TC4\DATA_3\312_063A.RAW
Result File : C:\TC4\DATA_3\312_063A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_063A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_063A.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_063A.RST
Sequence File : C:\TC4\DATA_3\312A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 111



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	107322	2.0610	-------	10.0	
5.80	C10-C11	165917	3.3496	-------	10.0	
7.51	C12-C13	176283	3.5890	-------	10.0	
8.93	C14-C15	203419	4.0960	-------	10.0	
10.18	C16-C17	209447	4.2172	-------	10.0	
11.30	C18-C19	244675	4.8850	-------	10.0	
12.77	C20-C23	988260	9.7895	-------	10.0	
14.50	C24-C27	2168428	21.7256	-------	10.0	
16.03	C28-C31	4455820	46.1078	-------	10.0	
18.66	C32-C35	8302932	62.2502	-------	10.0	
21.69	C36-C39	2843619	65.3099	-------	10.0	
26.41	C40+	4704431	117.6133	-------	10.0	
		24570553	344.9940			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.87		7568	0.0019	-------	10.0	
3.56		47549	0.0119	-------	10.0	
4.56		52205	0.0131	-------	10.0	
		107322	0.0268			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.85		5745	0.0014	-------	10.0	
5.05		17010	0.0043	-------	10.0	
5.55		29252	0.0073	-------	10.0	
5.61		8978	0.0022	-------	10.0	
5.77		16216	0.0041	-------	10.0	
5.95		21728	0.0054	-------	10.0	
6.35		25689	0.0064	-------	10.0	
6.42		27728	0.0069	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.69		13571	0.0034	-------	10.0	
		165917	0.0415			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.09		40033	0.0100	-------	10.0	
7.51		60298	0.0151	-------	10.0	
7.89		34469	0.0086	-------	10.0	
8.00		19077	0.0048	-------	10.0	
8.25		22406	0.0056	-------	10.0	
		176283	0.0441			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.33		20565	0.0051	-------	10.0	
8.48		20116	0.0050	-------	10.0	
8.61		6776	0.0017	-------	10.0	
8.77		41433	0.0104	-------	10.0	
8.95		22805	0.0057	-------	10.0	
9.36		48927	0.0122	-------	10.0	
9.43		10748	0.0027	-------	10.0	
9.55		32049	0.0080	-------	10.0	
		203419	0.0509			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.01		62758	0.0157	-------	10.0	
10.24		36916	0.0092	-------	10.0	
10.32		11976	0.0030	-------	10.0	
10.46		39258	0.0098	-------	10.0	
10.62		33988	0.0085	-------	10.0	
10.68		24551	0.0061	-------	10.0	
		209447	0.0524			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.83		39060	0.0098	-------	10.0	
11.03		33036	0.0083	-------	10.0	
11.30		61023	0.0153	-------	10.0	
11.40		54241	0.0136	-------	10.0	
11.58		33744	0.0084	-------	10.0	
11.65		23571	0.0059	-------	10.0	
		244675	0.0612			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.94		83277	0.0208	-------	10.0	
12.02		40463	0.0101	-------	10.0	
12.14		88239	0.0221	-------	10.0	
12.29		43283	0.0108	-------	10.0	
12.41		108879	0.0272	-------	10.0	
12.59		67909	0.0170	-------	10.0	
12.76		69685	0.0174	-------	10.0	
12.87		71925	0.0180	-------	10.0	
12.96		28620	0.0072	-------	10.0	
13.15		238113	0.0595	-------	10.0	
13.45		147867	0.0370	-------	10.0	
		988260	0.2471			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.72		146346	0.0366	-------	10.0	
13.85		79125	0.0198	-------	10.0	
14.00		176343	0.0441	-------	10.0	
14.10		133868	0.0335	-------	10.0	
14.25		120349	0.0301	-------	10.0	
14.37		118991	0.0297	-------	10.0	
14.51		192699	0.0482	-------	10.0	
14.66		168750	0.0422	-------	10.0	
14.81		172630	0.0432	-------	10.0	
14.90		143298	0.0358	-------	10.0	
14.99		125968	0.0315	-------	10.0	
15.06		129952	0.0325		10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.17		171397	0.0428	-------	10.0	
15.27		288712	0.0722	-------	10.0	
		2168428	0.5421			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.37		132819	0.0332	-------	10.0	
15.43		136430	0.0341	-------	10.0	
15.60		977896	0.2445	-------	10.0	
15.69		233434	0.0584	-------	10.0	
15.88		445574	0.1114	-------	10.0	
15.97		341756	0.0854	-------	10.0	
16.07		251488	0.0629	-------	10.0	
16.19		340381	0.0851	-------	10.0	
16.30		360173	0.0900	-------	10.0	
16.43		359250	0.0898	-------	10.0	
16.49		352665	0.0882	-------	10.0	
16.61		192580	0.0481	-------	10.0	
16.70		331374	0.0828	-------	10.0	
		4455820	1.1140			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.84		405750	0.1014	-------	10.0	
16.96		454969	0.1137	-------	10.0	
17.10		353221	0.0883	-------	10.0	
17.30		527277	0.1318	-------	10.0	
17.44		207585	0.0519	-------	10.0	
17.52		364616	0.0912	-------	10.0	
17.70		240361	0.0601	-------	10.0	
17.79		277720	0.0694	-------	10.0	
17.90		190671	0.0477	-------	10.0	
17.97		516095	0.1290	-------	10.0	
18.23		292258	0.0731	-------	10.0	
18.37		1067096	0.2668	-------	10.0	
18.86		923450	0.2309	-------	10.0	
19.35		356831	0.0892	-------	10.0	
19.49		125924	0.0315	-------	10.0	
19.60		650999	0.1627		10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.90		519454	0.1299	-------	10.0	
20.26		828655	0.2072	-------	10.0	
		8302932	2.0757			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.71		183119	0.0458	-------	10.0	
20.81		176723	0.0442	-------	10.0	
20.96		508697	0.1272	-------	10.0	
21.30		279875	0.0700	-------	10.0	
21.49		317319	0.0793	-------	10.0	
21.72		1037055	0.2593	-------	10.0	
22.55		173095	0.0433	-------	10.0	
22.70		167736	0.0419	-------	10.0	
		2843619	0.7109			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
22.86		145103	0.0363	-------	10.0	
23.03		784361	0.1961	-------	10.0	
23.75		867757	0.2169	-------	10.0	
24.72		546841	0.1367	-------	10.0	
25.43		481038	0.1203	-------	10.0	
26.18		736132	0.1840	-------	10.0	
27.32		826603	0.2067	-------	10.0	
29.11		150106	0.0375	-------	10.0	
29.46		94199	0.0235	-------	10.0	
29.73		72291	0.0181	-------	10.0	
		4704431	1.1761			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\312_063A.TX0

Software Version: 4.1<2F12>
Sample Name : C090309-04 Time : 3/15/01 09:39 AM
Sample Number: DW7VC1AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 04:17 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

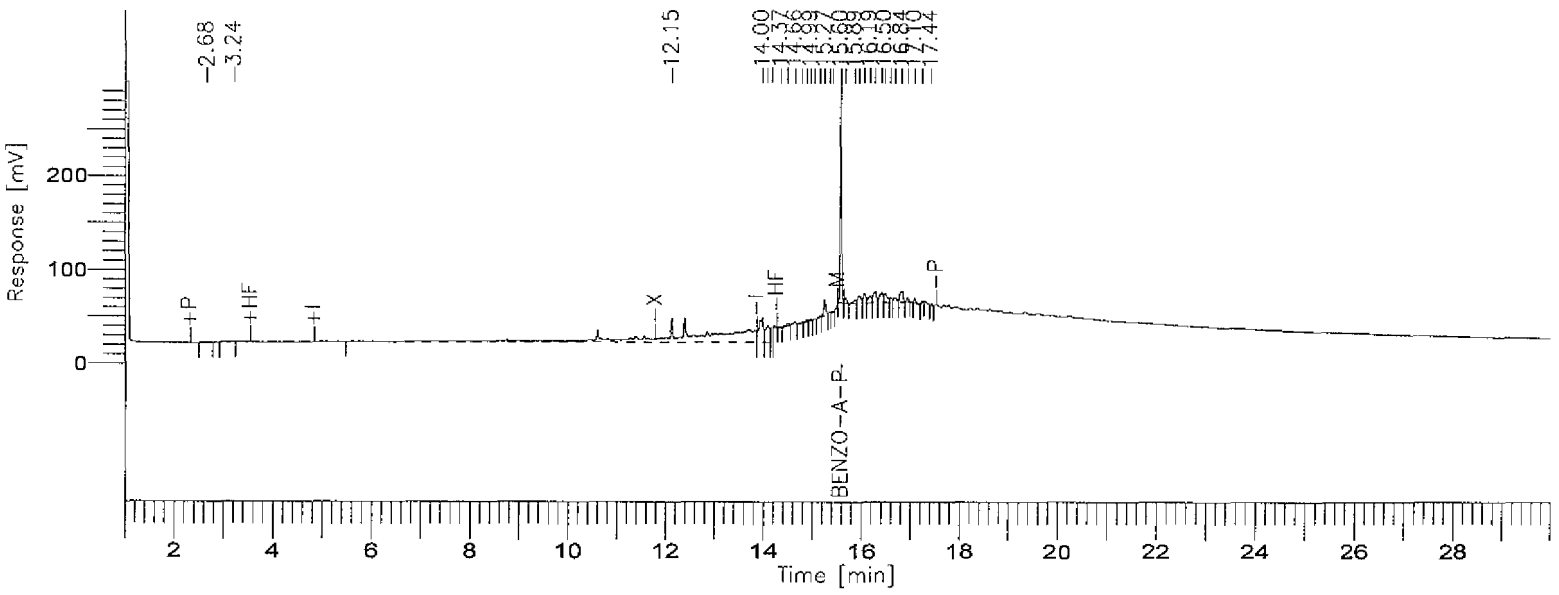
Raw Data File : C:\TC4\DATA_3\312_063.RAW
Result File : C:\TC4\DATA_3\312_063.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_063.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_063.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_063.RST
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.14	DIESEL	0	0.0000	-------	10.0	
15.60	BENZO-A-PYRENE	476508	9.9776	79.82	10.0	
		476508	9.9776			

Missing Component Report

Component	Expected Retention (Calibration File)
DIESEL	7.143

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_063.TX0

Software Version: 4.1<2F12>
Sample Name : C090309-04 Time : 3/14/01 04:47 PM
Sample Number: DW7VC1AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 04:17 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

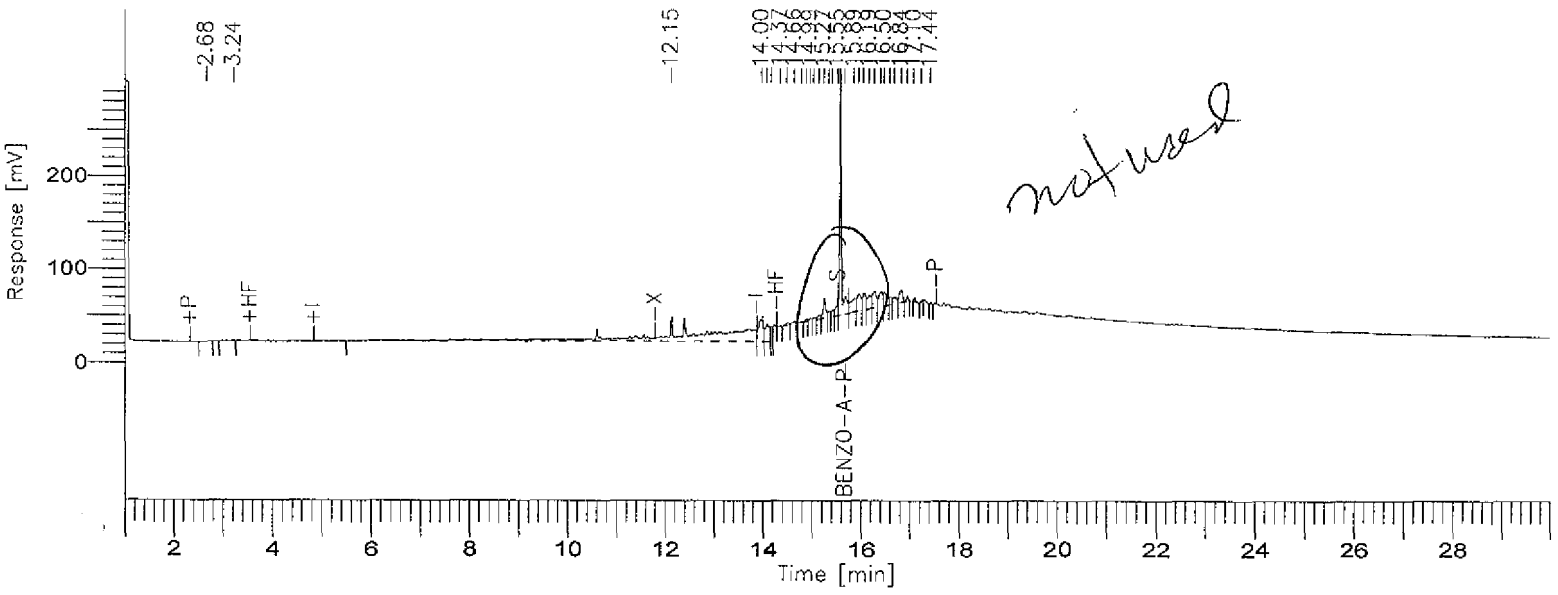
Raw Data File : C:\TC4\DATA_3\312_063.RAW
Result File : C:\TC4\DATA_3\312_063.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_063.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.14	DIESEL	0	0.0000	-------	10.0	
15.69	BENZO-A-PYRENE	107401	2.2489	17.99	10.0	
		107401	2.2489			

Missing Component Report

Component	Expected Retention (Calibration File)
DIESEL	7.143

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_063.TX0

Lot/Sample: E1C090309-005 Source-I-2-0309 TICs.....: N Report Results: Y
WO#.....: DW7VD-1-AE Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 17:35 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_065A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/15 10:38:20
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number: 1071274
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 80.0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.025	96.2048		

Software Version: 4.1<2F12>
Sample Name : C090309-05 Time : 3/15/01 07:17 AM
Sample Number: DW7VD1AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 05:35 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

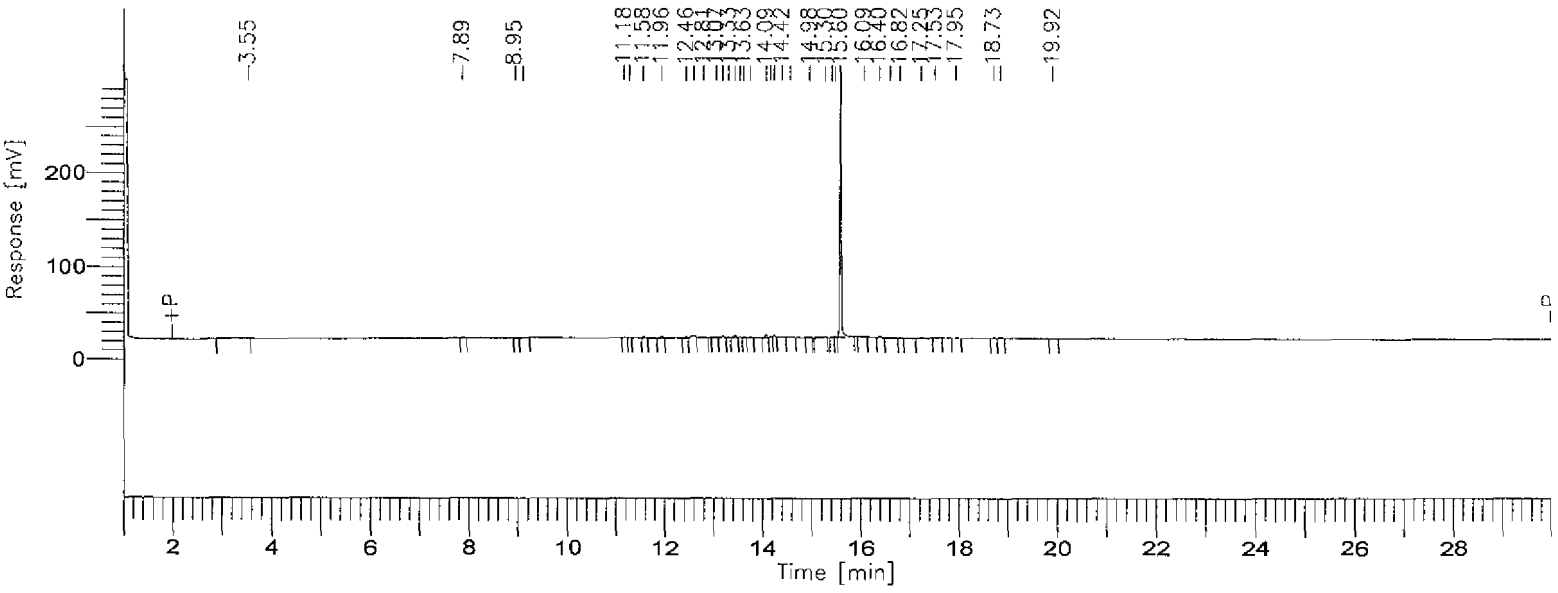
Raw Data File : C:\TC4\DATA_3\312_065A.RAW
Result File : C:\TC4\DATA_3\312_065A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_065A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 38



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	8312	0.1596	-------	10.0	
5.80	C10-C11	0	0.0000	-------	10.0	
7.51	C12-C13	874	0.0178	-------	10.0	
8.93	C14-C15	1931	0.0389	-------	10.0	
10.18	C16-C17	0	0.0000	-------	10.0	
11.30	C18-C19	4449	0.0888	-------	10.0	
12.77	C20-C23	42156	0.4176	-------	10.0	
14.50	C24-C27	24610	0.2466	-------	10.0	
16.03	C28-C31	599008	6.1984	-------	10.0	
18.66	C32-C35	20240	0.1518	-------	10.0	
21.69	C36-C39	0	0.0000	-------	10.0	
26.41	C40+	0	0.0000	-------	10.0	
		701579	7.3194			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.55		8312	0.0021	-------	10.0	
		8312	0.0021			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.89		874	0.0002	-------	10.0	
		874	0.0002			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.95		982	0.0002	-------	10.0	
9.11		949	0.0002	-------	10.0	
		1931	0.0005			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.18		895	0.0002	-------	10.0	
11.30		708	0.0002	-------	10.0	
11.58		2846	0.0007	-------	10.0	
		4449	0.0011			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.96		4624	0.0012	-------	10.0	
12.46		3918	0.0010	-------	10.0	
12.62		10218	0.0026	-------	10.0	
12.81		3456	0.0009	-------	10.0	
13.07		1338	0.0003	-------	10.0	
13.20		6316	0.0016	-------	10.0	
13.33		1798	0.0004	-------	10.0	
13.45		7814	0.0020	-------	10.0	
13.55		1594	0.0004	-------	10.0	
13.63		1079	0.0003	-------	10.0	
		42156	0.0105			

Group Report For : C24-C27

Time Component Area Final Results % SURR REP. LIMIT FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
13.76		1708	0.0004	-------	10.0
14.09		9212	0.0023	-------	10.0
14.18		2945	0.0007	-------	10.0
14.25		4533	0.0011	-------	10.0
14.42		1662	0.0004	-------	10.0
14.58		2173	0.0005	-------	10.0
14.98		2378	0.0006	-------	10.0
		24610	0.0062		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.30		3553	0.0009	-------	10.0	
15.43		2499	0.0006	-------	10.0	
15.49		3874	0.0010	-------	10.0	
15.60		576795	0.1442	-------	10.0	
16.09		3114	0.0008	-------	10.0	
16.40		3729	0.0009	-------	10.0	
16.62		5444	0.0014	-------	10.0	
		599008	0.1498			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.82		1403	0.0004	-------	10.0	
17.25		7219	0.0018	-------	10.0	
17.53		1612	0.0004	-------	10.0	
17.95		1537	0.0004	-------	10.0	
18.73		2188	0.0005	-------	10.0	
18.86		5335	0.0013	-------	10.0	
19.92		946	0.0002	-------	10.0	
		20240	0.0051			

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_065A.TX0

Software Version: 4.1<2F12>
Sample Name : C090309-05 Time : 3/15/01 07:13 AM
Sample Number: DW7VD1AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 05:35 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

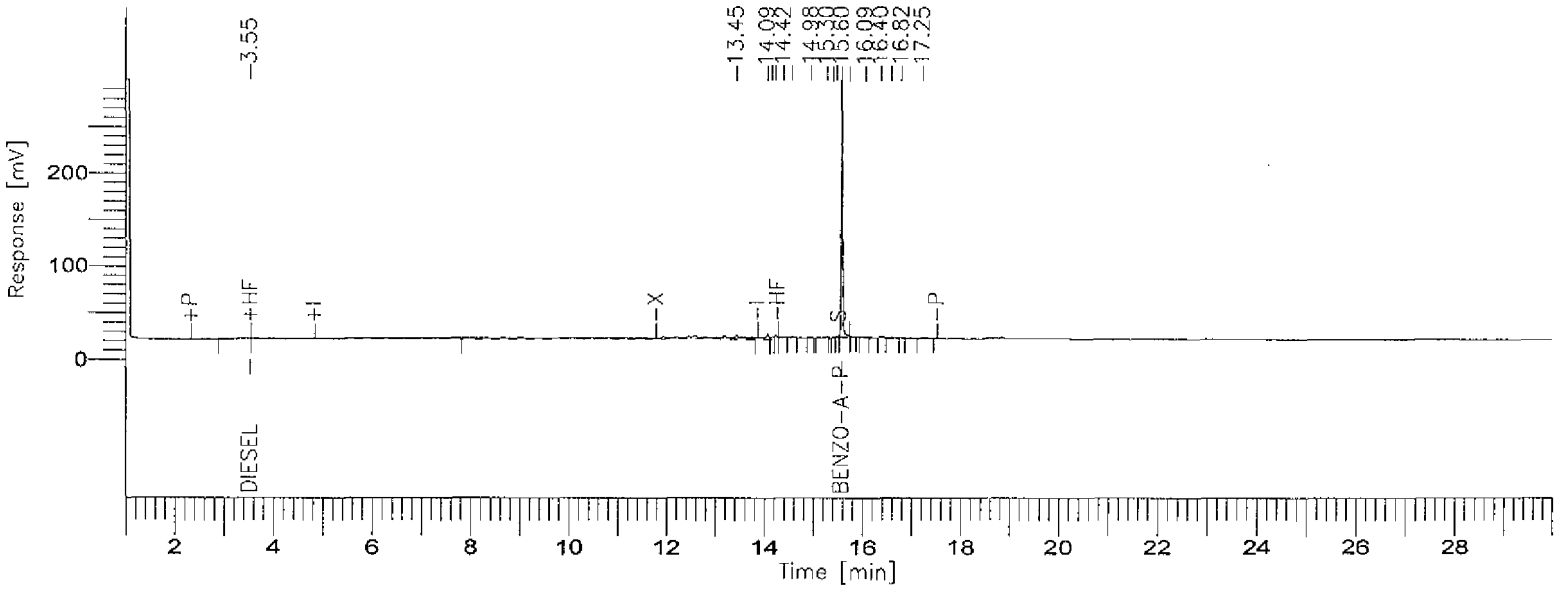
Raw Data File : C:\TC4\DATA_3\312_065.RAW
Result File : C:\TC4\DATA_3\312_065.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_065.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.55	DIESEL	7372	0.1479	-------	10.0	
15.60	BENZO-A-PYRENE	574316	12.0256	96.20	10.0	
		581688	12.1735			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_065.TX0

Lot/Sample: E1C090309-006 Build -2-AE-13- TICs.....: N Report Results: Y
WO#.....: DW7VF-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 18:14 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_066A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/15 10:38:25
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number: 1071274
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 80.0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.949	103.5992		

Software Version: 4.1<2F12>
Sample Name : C090309-06 Time : 3/15/01 07:17 AM
Sample Number: DW7VF1AC Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 06:14 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

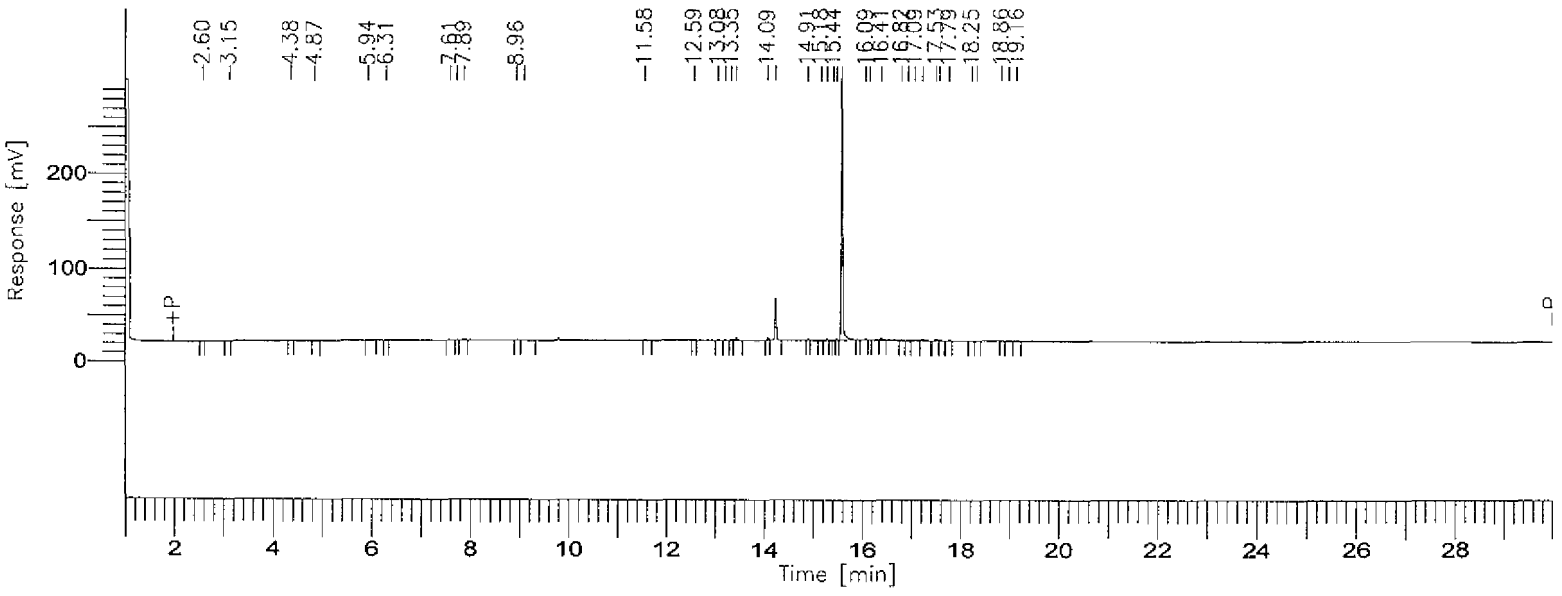
Raw Data File : C:\TC4\DATA_3\312_066A.RAW
Result File : C:\TC4\DATA_3\312_066A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_066A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 40



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	1912	0.0367	-------	10.0	
5.80	C10-C11	2950	0.0595	-------	10.0	
7.51	C12-C13	2978	0.0606	-------	10.0	
8.93	C14-C15	3036	0.0611	-------	10.0	
10.18	C16-C17	0	0.0000	-------	10.0	
11.30	C18-C19	2600	0.0519	-------	10.0	
12.77	C20-C23	11462	0.1135	-------	10.0	
14.50	C24-C27	93767	0.9395	-------	10.0	
16.03	C28-C31	639025	6.6125	-------	10.0	
18.66	C32-C35	33870	0.2539	-------	10.0	
21.69	C36-C39	0	0.0000	-------	10.0	
26.41	C40+	0	0.0000	-------	10.0	
		791600	8.1893			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.60		575	0.0001	-------	10.0	
3.15		949	0.0002	-------	10.0	
4.38		388	0.0001	-------	10.0	
		1912	0.0005			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.87		1120	0.0003	-------	10.0	
5.94		1374	0.0003	-------	10.0	
6.31		455	0.0001	-------	10.0	
		2950	0.0007			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.61		987	0.0002	-------	10.0	
7.74		455	0.0001	-------	10.0	
7.88		1536	0.0004	-------	10.0	
		2978	0.0007			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.95		1421	0.0004	-------	10.0	
9.12		1615	0.0004	-------	10.0	
		3036	0.0008			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.58		2600	0.0006	-------	10.0	
		2600	0.0006			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.59		475	0.0001	-------	10.0	
13.08		923	0.0002	-------	10.0	
13.23		1281	0.0003	-------	10.0	
13.35		1250	0.0003	-------	10.0	
13.45		7533	0.0019	-------	10.0	
		11462	0.0029			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.09		6045	0.0015	-------	10.0	
14.25		85385	0.0213	-------	10.0	
14.91		1413	0.0004	-------	10.0	
15.18		924	0.0002	-------	10.0	
		93767	0.0234			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.30		3062	0.0008	-------	10.0	
15.43		1342	0.0003	-------	10.0	
15.49		4098	0.0010	-------	10.0	
15.60		621992	0.1555	-------	10.0	
16.09		2472	0.0006	-------	10.0	
16.17		580	0.0001	-------	10.0	
16.40		5479	0.0014	-------	10.0	
		639025	0.1598			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.82		2217	0.0006	-------	10.0	
16.95		1672	0.0004	-------	10.0	
17.09		3594	0.0009	-------	10.0	
17.25		7973	0.0020	-------	10.0	
17.53		6598	0.0016	-------	10.0	
17.60		2255	0.0006	-------	10.0	
17.79		1430	0.0004	-------	10.0	
18.25		2901	0.0007	-------	10.0	
18.35		1274	0.0003	-------	10.0	
18.86		533	0.0001	-------	10.0	
19.00		1704	0.0004	-------	10.0	
19.16		1719	0.0004	-------	10.0	
		33870	0.0085			

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_066A.TX0

Software Version: 4.1<2F12>
Sample Name : C090309-06 Time : 3/15/01 07:13 AM
Sample Number: DW7VF1AC Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 06:14 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

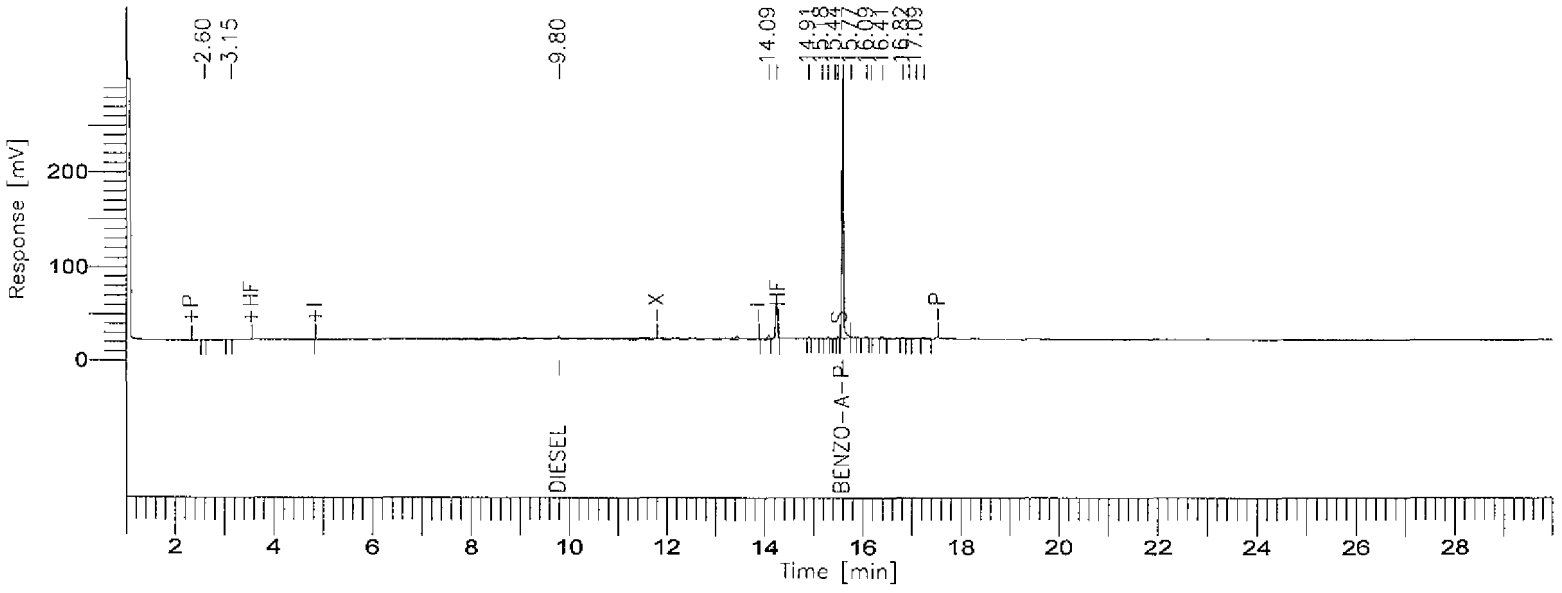
Raw Data File : C:\TC4\DATA_3\312_066.RAW
Result File : C:\TC4\DATA_3\312_066.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_066.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 19



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.80	DIESEL	499507	10.0242	-------	10.0	
15.60	BENZO-A-PYRENE	618461	12.9499	103.60	10.0	
		1117968	22.9741			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_066.TX0

Lot/Sample: E1C090323-043 DP1399_SSC04706 TICs.....: N Report Results: Y
WO#.....: DW718-1-AE Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 18:53 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_067
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/15 10:48:44
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number: 1071274
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 80.0
Exchange Solv: Amt..: .0
Spike....:
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
04490	Diesel Range Organics (	*		NA				NA
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		
04980	Diesel Range Organics	*		NA	10	6		NA
05013	Motor Oil Range Organic	*		NA	10	5		NA
03052	TPH (as Diesel)	*		ND	10	6		
03053	TPH (as Motor Oil)	*		NA	10	5		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual

(Continued on next page)

Lot/Sample: E1C090323-043 DP1399_SSC04706 TICs.....: N Report Results: Y
WO#.....: DW718-1-AE Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	8.8067	70.4536		

Software Version: 4.1<2F12>
Sample Name : C090323-43 Time : 3/15/01 07:17 AM
Sample Number: DW7181AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 06:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

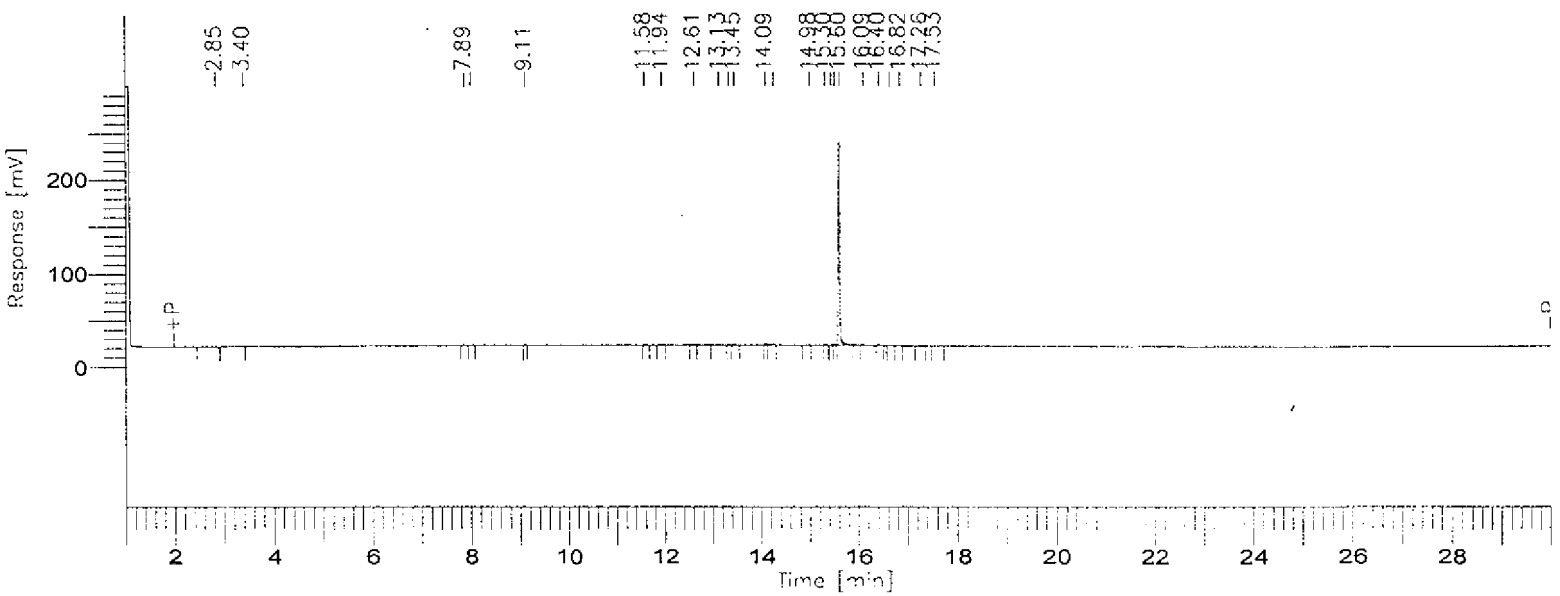
Raw Data File : C:\TC4\DATA_3\312_067A.RAW
Result File : C:\TC4\DATA_3\312_067A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_067A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 24



BOE-C6-0006929

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	8808	0.1691	-------	10.0	
5.80	C10-C11	0	0.0000	-------	10.0	
7.51	C12-C13	1271	0.0259	-------	10.0	
8.93	C14-C15	599	0.0121	-------	10.0	
10.18	C16-C17	0	0.0000	-------	10.0	
11.30	C18-C19	2072	0.0414	-------	10.0	
12.77	C20-C23	10088	0.0999	-------	10.0	
14.50	C24-C27	10078	0.1010	-------	10.0	
16.03	C28-C31	434654	4.4977	-------	10.0	
18.66	C32-C35	4283	0.0321	-------	10.0	
21.69	C36-C39	0	0.0000	-------	10.0	
26.41	C40+	0	0.0000	-------	10.0	
		471853	4.9792			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.85		3831	0.0010	-------	10.0	
3.40		4977	0.0012	-------	10.0	
		8808	0.0022			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.89		883	0.0002	-------	10.0	
8.02		388	0.0001	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		1271	0.0003			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.11		599	0.0001	-------	10.0	
		599	0.0001			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.58		2072	0.0005	-------	10.0	
		2072	0.0005			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.94		1992	0.0005	-------	10.0	
12.61		1298	0.0003	-------	10.0	
13.13		1868	0.0005	-------	10.0	
13.33		1023	0.0003	-------	10.0	
13.45		3907	0.0010	-------	10.0	
		10088	0.0025			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

14.09		4707	0.0012	-------	10.0
14.25		3914	0.0010	-------	10.0
14.98		1456	0.0004	-------	10.0
		10078	0.0025		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.30		1328	0.0003	-------	10.0	
15.43		1242	0.0003	-------	10.0	
15.49		2819	0.0007	-------	10.0	
15.60		422228	0.1056	-------	10.0	
16.09		2733	0.0007	-------	10.0	
16.40		2726	0.0007	-------	10.0	
16.62		1578	0.0004	-------	10.0	
		434654	0.1087			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.82		1116	0.0003	-------	10.0	
17.26		2143	0.0005	-------	10.0	
17.53		1024	0.0003	-------	10.0	
		4283	0.0011			

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\312_067A.TX0

BOE-C6-0006933

Software Version: 4.1<2F12>
Sample Name : C090323-43 Time : 3/15/01 07:13 AM
Sample Number: DW7181AE Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 06:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

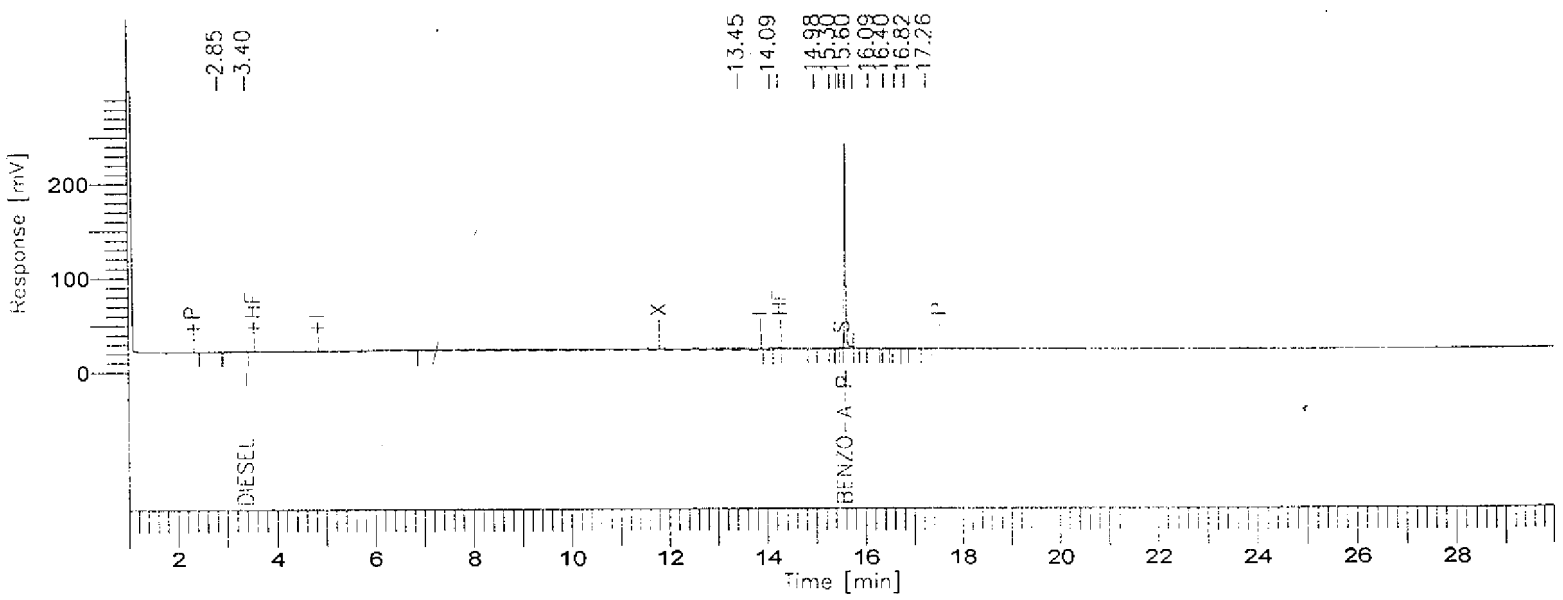
Raw Data File : C:\TC4\DATA_3\312_067.RAW
Result File : C:\TC4\DATA_3\312_067.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_067.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



BOE-C6-0006934

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.40	DIESEL	4977	0.0999	-------	10.0	
15.60	BENZO-A-PYRENE	420588	8.8067	70.45	10.0	
		425565	8.9065			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_067.TX0

Lot/Sample: E1C090323-043S DP1399_SSC04706 TICs.....: N Report Results: Y
WO#.....: DW718-1-A2 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 19:32 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_068
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/12 18:21:53
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number: 1071274
Prep Time....: 12:00-12:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1577-2DCS/5000PPM/1M
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
	Sample amount: NA								
04980	Diesel Range Organics			250	NA	0	0		NA
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	175.7329	70.29	21.4		
	Sample amount: ND								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	9.4523	75.6184		NA

Software Version: 4.1<2F12>
Sample Name : C090323-43 MS Time : 3/15/01 07:13 AM
Sample Number: DW7181A2S Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 07:32 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

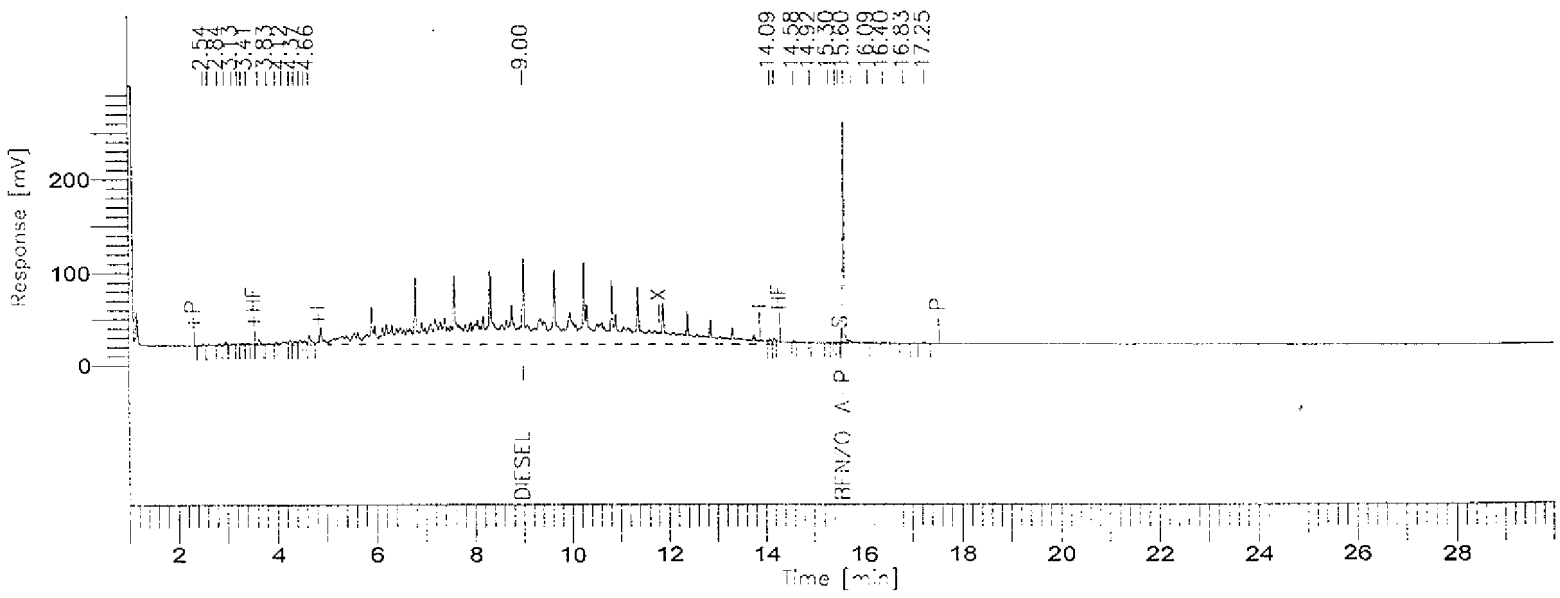
Raw Data File : C:\TC4\DATA_3\312_068.RAW
Result File : C:\TC4\DATA_3\312_068.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_068.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 31



BOE-C6-0006937

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.002	DIESEL	8756794	175.7329	250.0000	70.29	
15.599	BENZO-A-PYRENE	451424	9.4523	12.5000	75.62	
		9208218				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_068.TX0

Lot/Sample: E1C090323-043D DP1399_SSC04706 TICs.....: N Report Results: Y
WO#.....: DW718-1-A3 Est. Results: Y Sig Fig Alg...:
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 3/14/01
Inject Time..: 20:11 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 312_069
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....: 3/09/01
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 1/03/12 18:21:53
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 3/12/01
QC Batch.....: 1071498
MS Run Number: 1071274
Prep Time....: 12:00-12:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1577-2DCS/5000PPM/1M
Surrogate: TEPH1579-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
	Sample amount: NA								
04980	Diesel Range Organics			250	NA	0	0		NA
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	217.8595	87.14	21.4		
	Sample amount: ND								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.864	94.912		NA

Software Version: 4.1<2F12>
Sample Name : C090323-43 MSD Time : 3/15/01 07:13 AM
Sample Number: DW7181AED Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/14/01 08:11 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

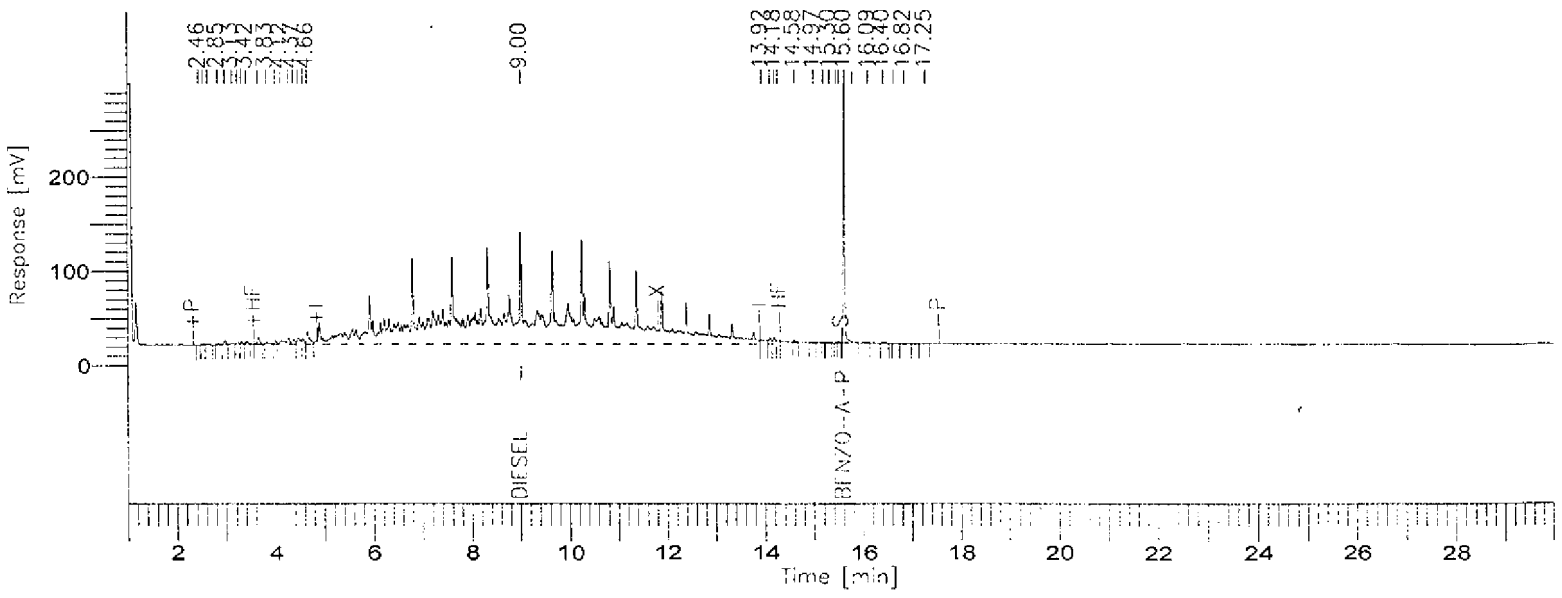
Raw Data File : C:\TC4\DATA_3\312_069.RAW
Result File : C:\TC4\DATA_3\312_069.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\312_069.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 36



BOE-C6-0006940

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.001	DIESEL	10855971	217.8595	250.0000	87.14	
15.599	BENZO-A-PYRENE	566602	11.8640	12.5000	94.91	
		11422573				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_069.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 2-13-01

Instrument ID: GC03

Diesel $C_{10} \rightarrow C_{24}$

Turbochrom Method File : C:\TC4\DATA_3\METHODS\DBC10C24.MTH
Created by : ELVIE on : 2/17/00 02:19 PM
Edited by : LB on : 2/14/01 09:43 AM
Description :

Number of Times Edited : 88
Number of Times Calibrated : 557

GC03 Diesel $C_{10} \rightarrow C_{24}$

021301

Average Cal Factor - OK
Second Source - OK

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 50 µV
Area Threshold : 200.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - -P at 0.170
Event #2 - +P at 2.350
Event #3 - +HF at 3.570
Event #4 - +I at 4.858
Event #5 - -X at 11.816
Event #6 - -I at 13.891
Event #7 - -HF at 14.298
Event #8 - S at 15.568
Event #9 - S at 15.824
Event #10 - -P at 17.550

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\WINDOWS\SYSTEM\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

Global Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng

Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :

DIESEL

Component Type : Single Peak Component
Retention Time : 7.143 min Search Window: 27.00 s, 48.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 1000.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	40.0000	525871.70	6276.05	----------	----------	1
2	100.0000	1328346.00	14391.83	----------	----------	1
3	1000.0000	12713540.00	122609.63	----------	----------	1
4	2000.0000	25698030.00	246922.80	----------	----------	1
5	5000.0000	51474348.00	488967.33	----------	----------	1

Average Calibration Factor = 12457.535409 (%RSD = 9.87) OK 2-14-01 OC

BENZO-A-PYRENE

Component Type : Single Peak Component
Retention Time : 15.647 min Search Window: 3.00 s, 1.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 12.500000
Value 2: 0.250000
Value 3: 12.500000
Value 4: 0.250000
Value 5: 50.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	122732.86	49476.46	----------	----------	1
2	25.0000	308406.00	139333.18	----------	----------	1
3	50.0000	634864.62	286262.57	----------	----------	1
4	80.0000	990043.51	448986.12	----------	----------	1
5	100.0000	1001507.82	444850.05	----------	----------	1

Average Calibration Factor = 11939.488019 (%RSD = 9.11) OK 2-14-01 OC

Software Version: 4.1<2F12>
Sample Name : #TEPH01-42 SECOND SOURCE DIESEL STD 2000 Time : 2/14/01 09:43 A
Sample Number: 2000 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 2/13/01 04:50 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Second source - good to use 2-14-01 [illegible]

From Ext. lab diesel
Stock # 1560-2
Source: Union 76 Ellinger Sta.

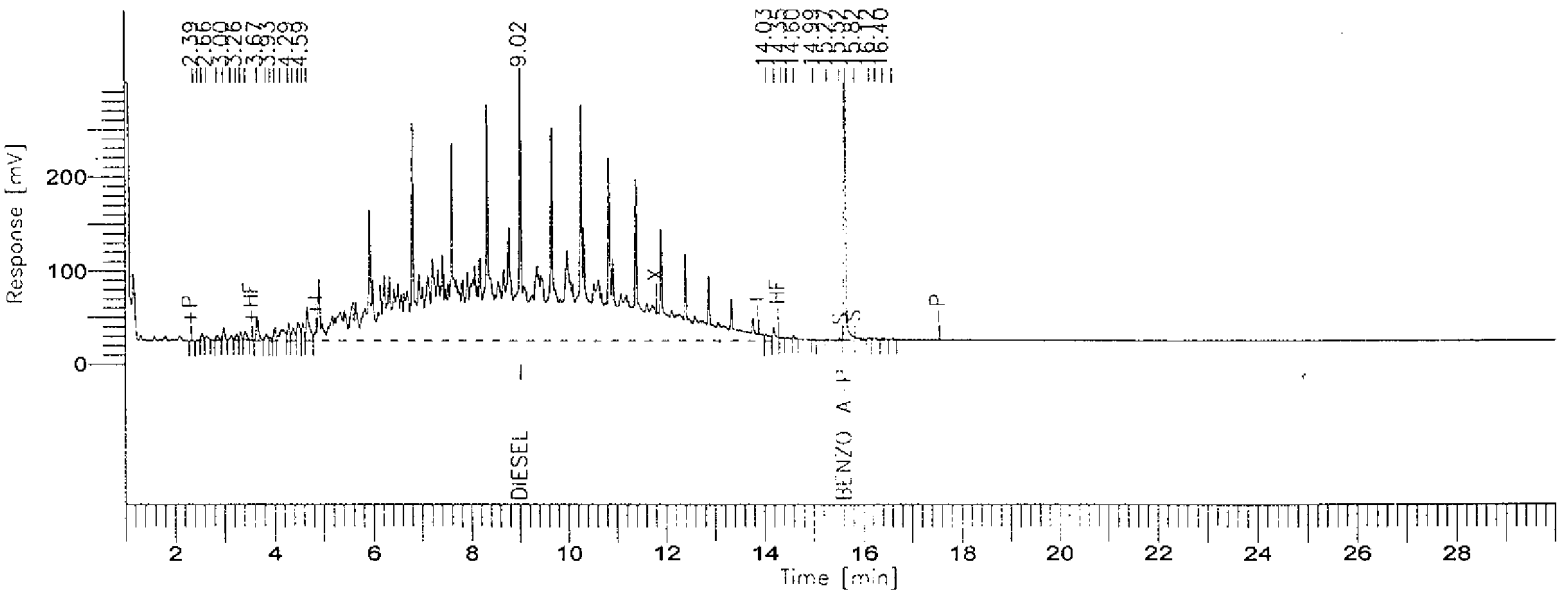
Raw Data File : C:\TC4\DATA_3\213_009.RAW
Result File : C:\TC4\DATA_3\213_009.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\213_009.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\213.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 35



BOE-C6-0006945

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D	
2.387		859	0.0009	------	----------	
2.482		4249	0.0042	------	----------	
2.565		24150	0.0242	------	----------	
2.656		15077	0.0151	------	----------	
2.870		21041	0.0210	------	----------	
3.002		38561	0.0386	------	----------	
3.151		16289	0.0163	------	----------	
3.259		20917	0.0209	------	----------	
3.335		21730	0.0217	------	----------	
3.435		32396	0.0324	------	----------	
3.669		87674	0.0877	------	----------	
3.849		28841	0.0288	------	----------	
3.926		12330	0.0123	------	----------	
4.017		41275	0.0413	------	----------	
4.141		102331	0.1023	------	----------	
4.293		61253	0.0613	------	----------	
4.390		66002	0.0660	------	----------	
4.497		86536	0.0865	------	----------	
4.585		57712	0.0577	------	----------	
4.679		159541	0.1595	------	----------	
9.018	DIESEL	25032686	2009.4413	~~1000.0~~ 2000	0.47	~~100.94~~ 020 ok
14.034		50225	0.0502	------	----------	
14.199		58495	0.0585	------	----------	
14.346		1478	0.0015	------	----------	
14.452		1544	0.0015	------	----------	2-14-01 ok
14.602		8551	0.0086	------	----------	
14.994		2902	0.0029	------	----------	
15.265		1496	0.0015	------	----------	
15.517		5050	0.0050	------	----------	
15.627	BENZO-A-PYRENE	1026508	85.9759	~~50.0~~ 100	7.47	~~71.95~~ ok
15.817		22392	0.0224	------	----------	
16.117		9442	0.0094	------	----------	
16.247		10665	0.0107	------	----------	
16.395		6087	0.0061	------	----------	
16.577		3199	0.0032	------	----------	
		27139484	2096.4975			

Missing Component Report

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\213_009.TX0

Software Version: 4.1<2F12>
Date: 2/14/01 09:39 AM
Sample Name : #TEPH00-175 DIESEL STD
Data File : C:\TC4\DATA_3\213_004.RAW Date: 2/13/01 01:35 PM
Sequence File: C:\TC4\DATA_3\213.SEQ Cycle: 4 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calibration performed at level: 1
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL	7.143	40.00000	525871.697715	13146.792443	10.21	9	------	------	1	0
BENZO-A-PYRENE	15.647	10.00000	122732.857143	12273.285714	0.25	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL	0.000000	12567.599409	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11939.488019	----------	----------	--------	9

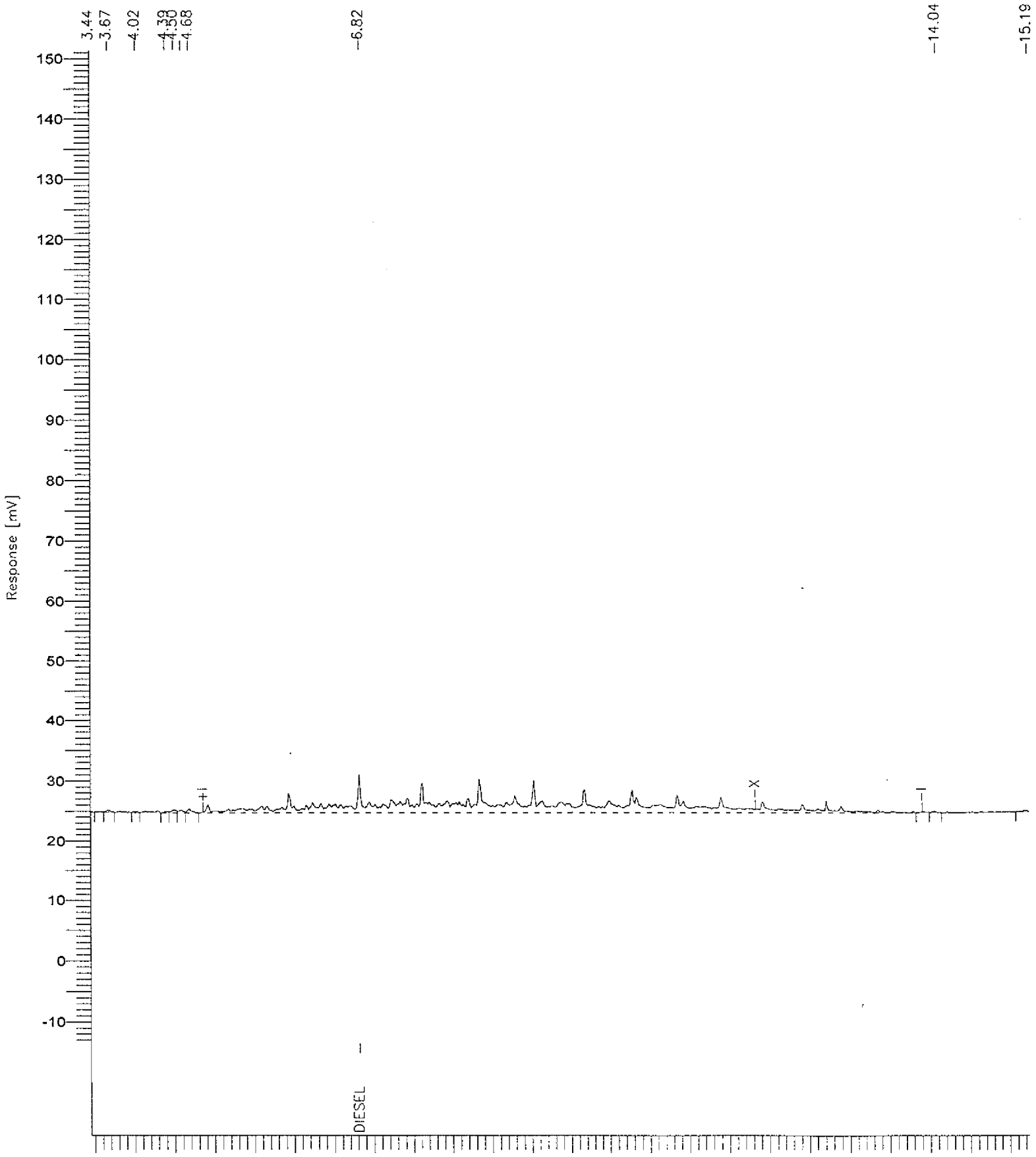
Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

BOE-C6-0006948

Chromatogram

Sample Name : #TEPH00-175 DIESEL STD
FileName : C:\TC4\DATA_3\213_004.RAW
Method :
Start Time : 3.45 min End Time : 15.23 min
Scale Factor: 0.0 Plot Offset: -14 mV

Sample #: 40 PPM
Date : 2/14/01 09:38 AM
Time of Injection: 2/13/01 01:35 PM
Low Point : -13.59 mV High Point : 151.40 mV
Plot Scale: 165.0 mV



Software Version: 4.1<2F12>
Sample Name : #TEPH00-175 DIESEL STD Time : 2/14/01 09:39 AM
Sample Number: 40 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 2/13/01 01:35 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

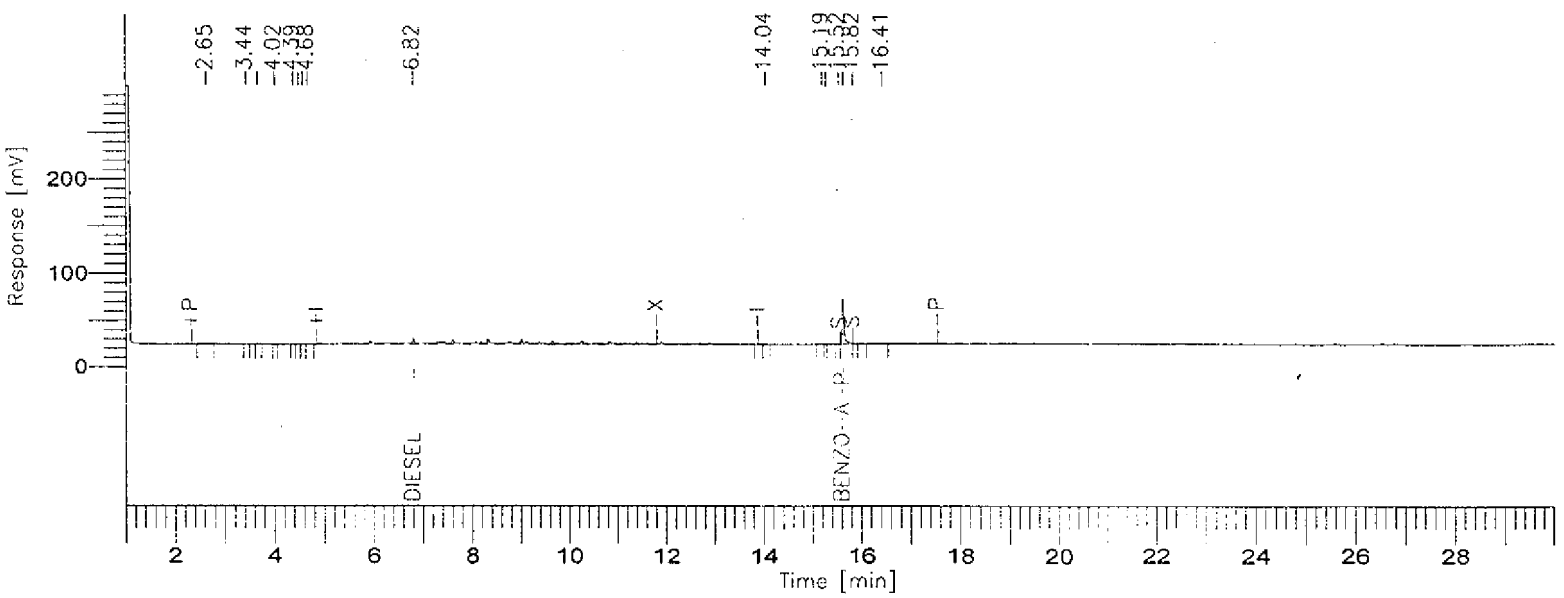
Raw Data File : C:\TC4\DATA_3\213_004.RAW
Result File : C:\TC4\DATA_3\213_004.rst
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\213_004.rst
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\213.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



BOE-C6-0006950

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.82	DIESEL	525872	41.8434	-------	10.0	
15.62	BENZO-A-PYRENE	122733	10.2796	82.24	10.0	
		648605	52.1230			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\213_004.TX0

Software Version: 4.1<2F12>
Date: 2/14/01 09:40 AM
Sample Name : #TEPH00-176 DIESEL STD
Data File : C:\TC4\DATA_3\213_005.RAW Date: 2/13/01 02:15 PM
Sequence File: C:\TC4\DATA_3\213.SEQ Cycle: 5 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calibration performed at level: 2
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL	7.143	100.00000	1328346.000000	13283.460000	10.21	9	------	------	1	0
BENZO-A-PYRENE	15.647	25.00000	308406.000000	12336.240000	0.25	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL	0.000000	12457.535409	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11939.488019	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-176 DIESEL STD Time : 2/14/01 09:40 AM
Sample Number: 100 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 2/13/01 02:15 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

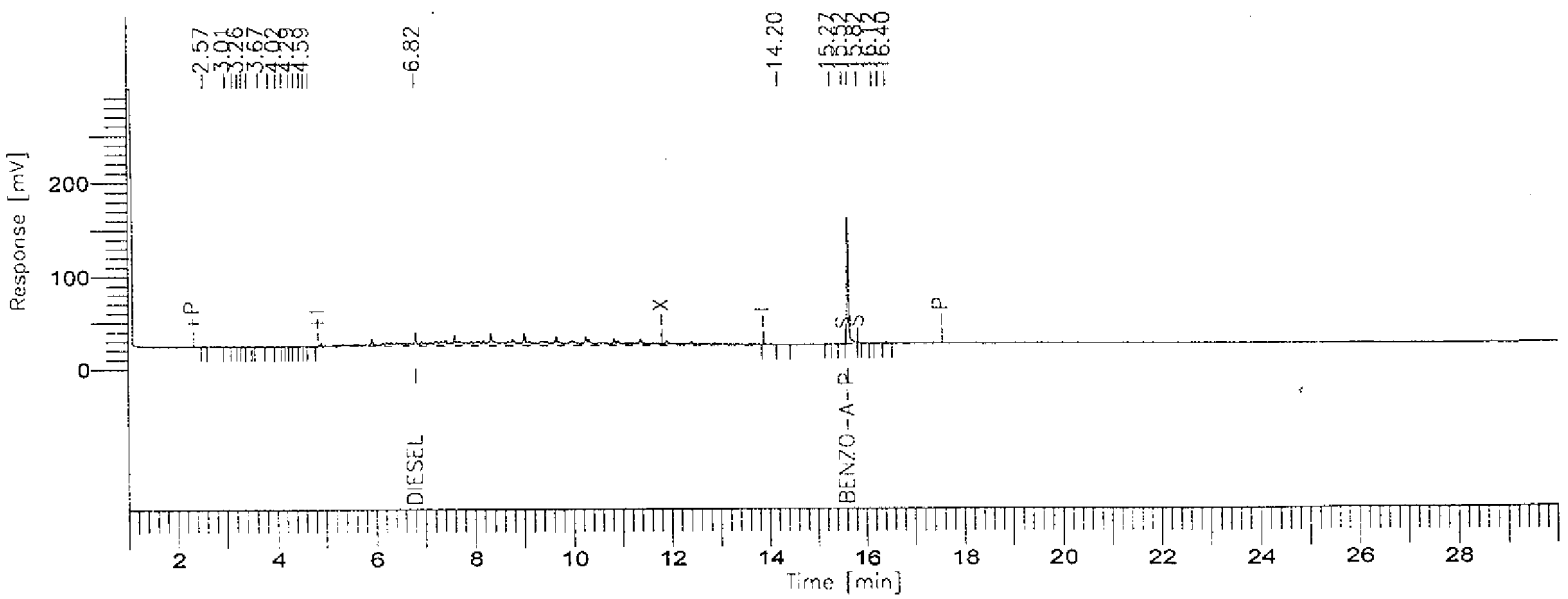
Raw Data File : C:\TC4\DATA_3\213_005.RAW
Result File : C:\TC4\DATA_3\213_005.rst
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\213_005.rst
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\213.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 24

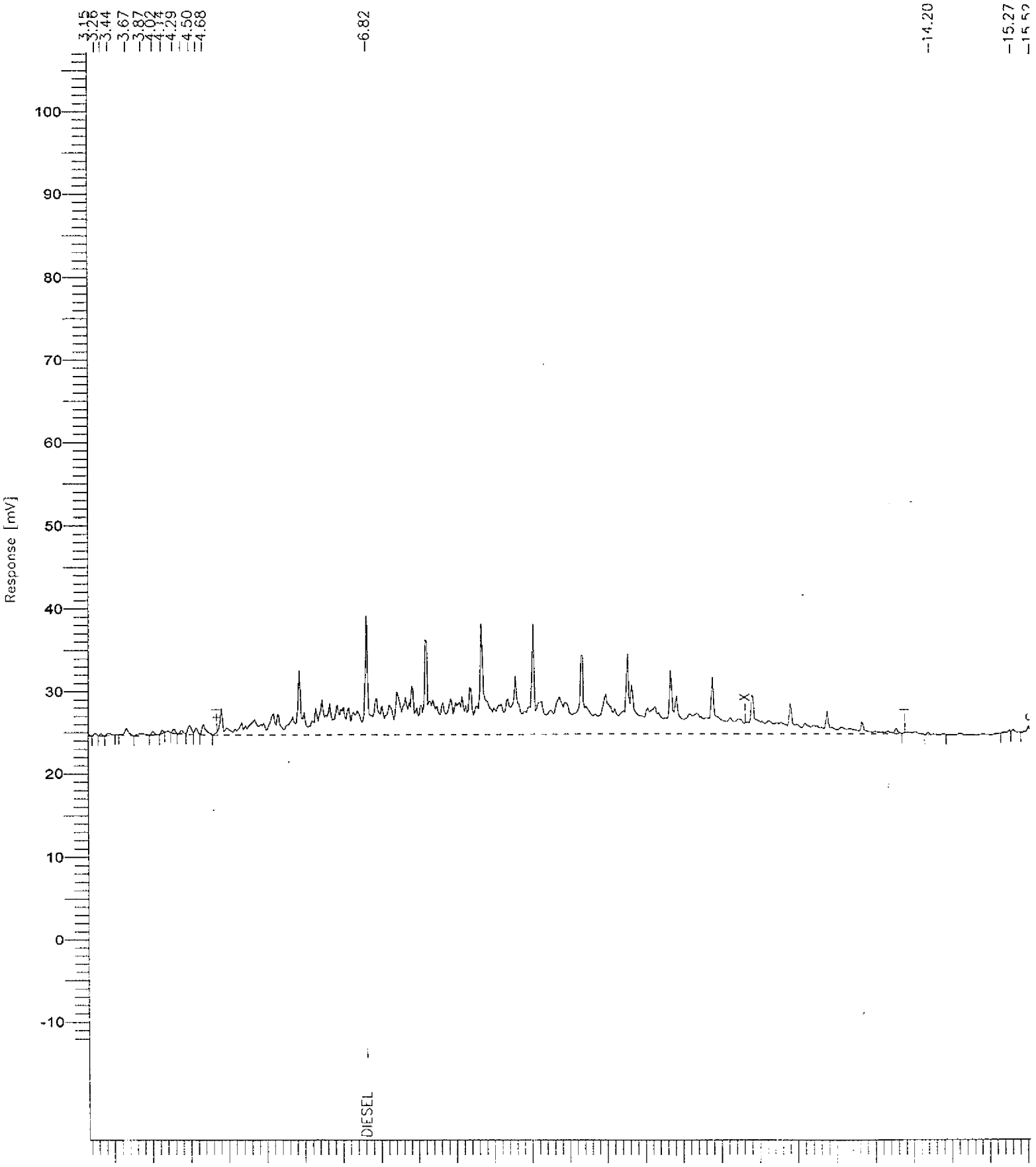


BOE-C6-0006953

Chromatogram

Sample Name : #TEPH00-176 DIESEL STD
FileName : C:\TC4\DATA_3\213_005.RAW
Method :
Start Time : 3.17 min End Time : 15.53 min
Scale Factor: 0.0 Plot Offset: -13 mV

Sample #: 100 PPM
Date : 2/14/01 09:39 AM
Time of Injection: 2/13/01 02:15 PM
Low Point : -12.98 mV High Point : 107.22 mV
Plot Scale: 120.2 mV



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.82	DIESEL	1328346	106.6299	-------	10.0	
15.62	BENZO-A-PYRENE	308406	25.8308	206.65	10.0	
		1636752	132.4607			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\213_005.TX0

Software Version: 4.1<2F12>
Date: 2/14/01 09:32 AM
Sample Name : #TEPH01-41 DIESEL STD
Data File : C:\TC4\DATA_3\213_006.RAW Date: 2/13/01 02:53 PM
Sequence File: C:\TC4\DATA_3\213.SEQ Cycle: 6 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

==========

Updating method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calibration performed at level: 3
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

==========

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL	7.143	1000.00000	1.27135400e+07	12713.540000	10.21	9	------	------	1	0
BENZO-A-PYRENE	15.647	50.00000	634864.615385	12697.292308	0.25	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL	0.000000	12257.815920	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11939.488019	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH01-41 DIESEL STD Time : 2/14/01 09:32 AM
Sample Number: 1000 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 2/13/01 02:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

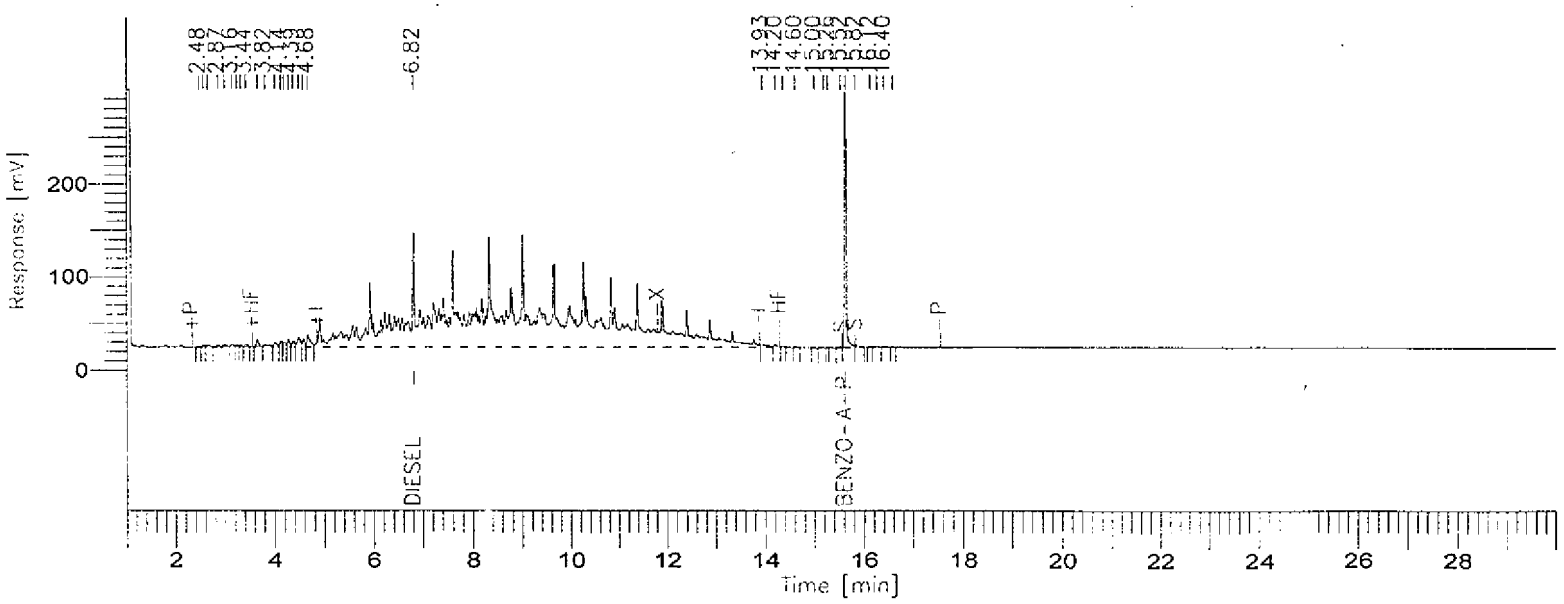
Raw Data File : C:\TC4\DATA_3\213_006.RAW
Result File : C:\TC4\DATA_3\213_006.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\213_006.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\213.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



BOE-C6-0006957

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.82	DIESEL	12713540	1037.1782	-------	10.0	
15.62	BENZO-A-PYRENE	634865	53.1735	425.39	10.0	
		13348405	1090.3518			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\213_006.TXO

Software Version: 4.1<2F12>
Date: 2/14/01 09:32 AM
Sample Name : #TEPH00-179 DIESEL STD
Data File : C:\TC4\DATA_3\213_007.RAW Date: 2/13/01 03:32 PM
Sequence File: C:\TC4\DATA_3\213.SEQ Cycle: 7 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calibration performed at level: 4
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL	7.143	2000.00000	2.56980300e+07	12849.015000	10.21	9	------	------	1	0
BENZO-A-PYRENE	15.647	80.00000	990043.510638	12375.543883	0.25	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL	0.000000	12257.815920	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11939.488019	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-179 DIESEL STD Time : 2/14/01 09:32 AM
Sample Number: 2000 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 2/13/01 03:32 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

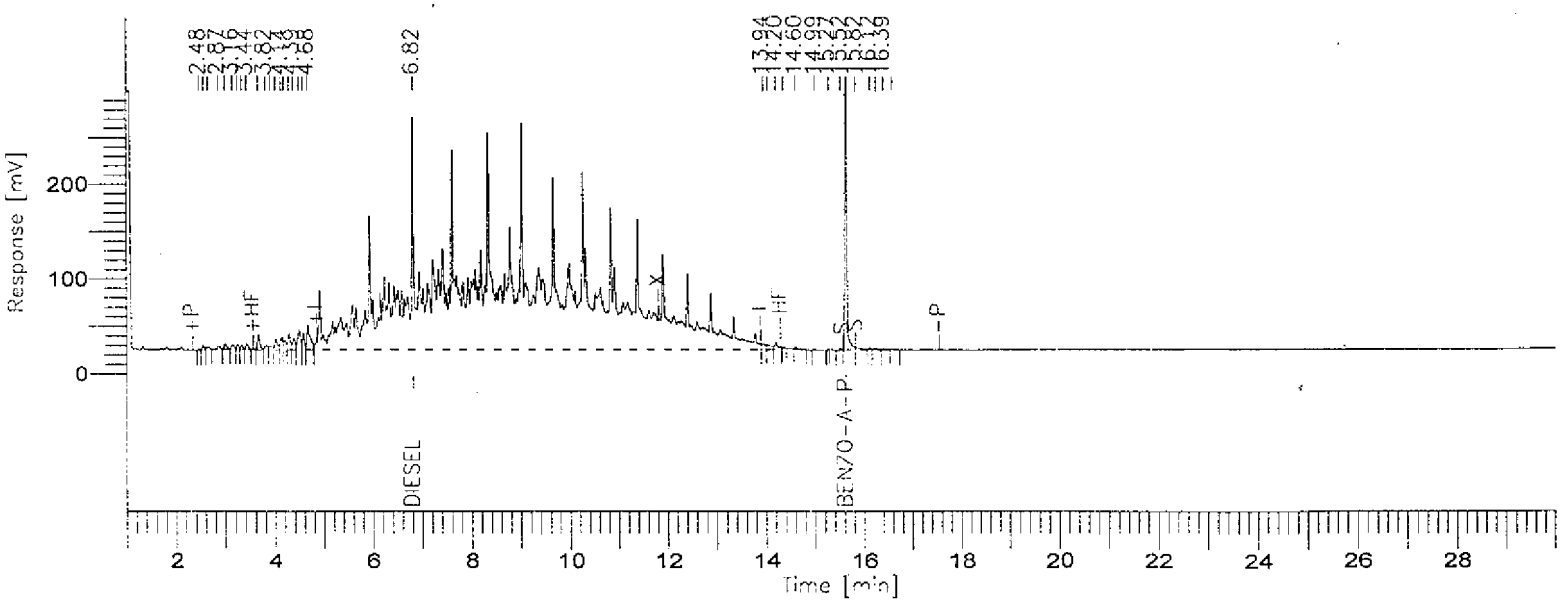
Raw Data File : C:\TC4\DATA_3\213_007.RAW
Result File : C:\TC4\DATA_3\213_007.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\213_007.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\213.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 35



BOE-C6-0006960

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.82	DIESEL	25698030	2096.4608	-------	10.0	
15.63	BENZO-A-PYRENE	990044	82.9218	663.37	10.0	
		26688074	2179.3825			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\213_007.TX0

Software Version: 4.1<2F12>
Date: 2/14/01 09:32 AM
Sample Name : #TEPH00-181 DIESEL STD
Data File : C:\TC4\DATA_3\213_008.RAW Date: 2/13/01 04:11 PM
Sequence File: C:\TC4\DATA_3\213.SEQ Cycle: 8 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calibration performed at level: 5
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL	7.143	5000.00000	5.14743480e+07	10294.869600	10.21	9	------	------	1	0
BENZO-A-PYRENE	15.647	100.00000	1001507.819149	10015.078191	0.25	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL	0.000000	12257.815920	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11939.488019	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-181 DIESEL STD Time : 2/14/01 09:32 AM
Sample Number: 5000 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 2/13/01 04:11 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

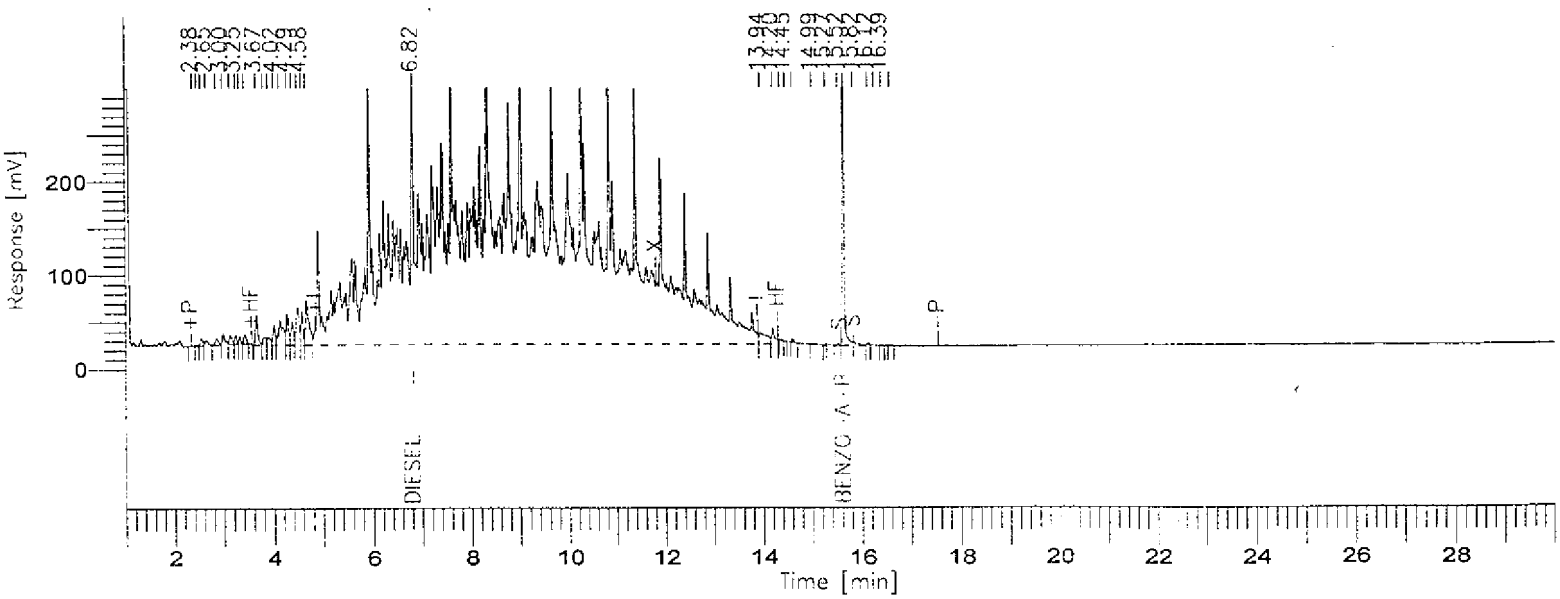
Raw Data File : C:\TC4\DATA_3\213_008.RAW
Result File : C:\TC4\DATA_3\213_008.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\213_008.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\213.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 35



BOE-C6-0006963

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.82	DIESEL	51474348	4199.3083	-------	10.0	
15.63	BENZO-A-PYRENE	1001508	83.8820	671.06	10.0	
		52475856	4283.1903			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\213_008.TX0

Software Version: 4.1<2F12>
Sample Name : DAILY RT MARKER Time : 2/13/01 01:26 PM
Sample Number: C8-C40 Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 2/13/01 12:56 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

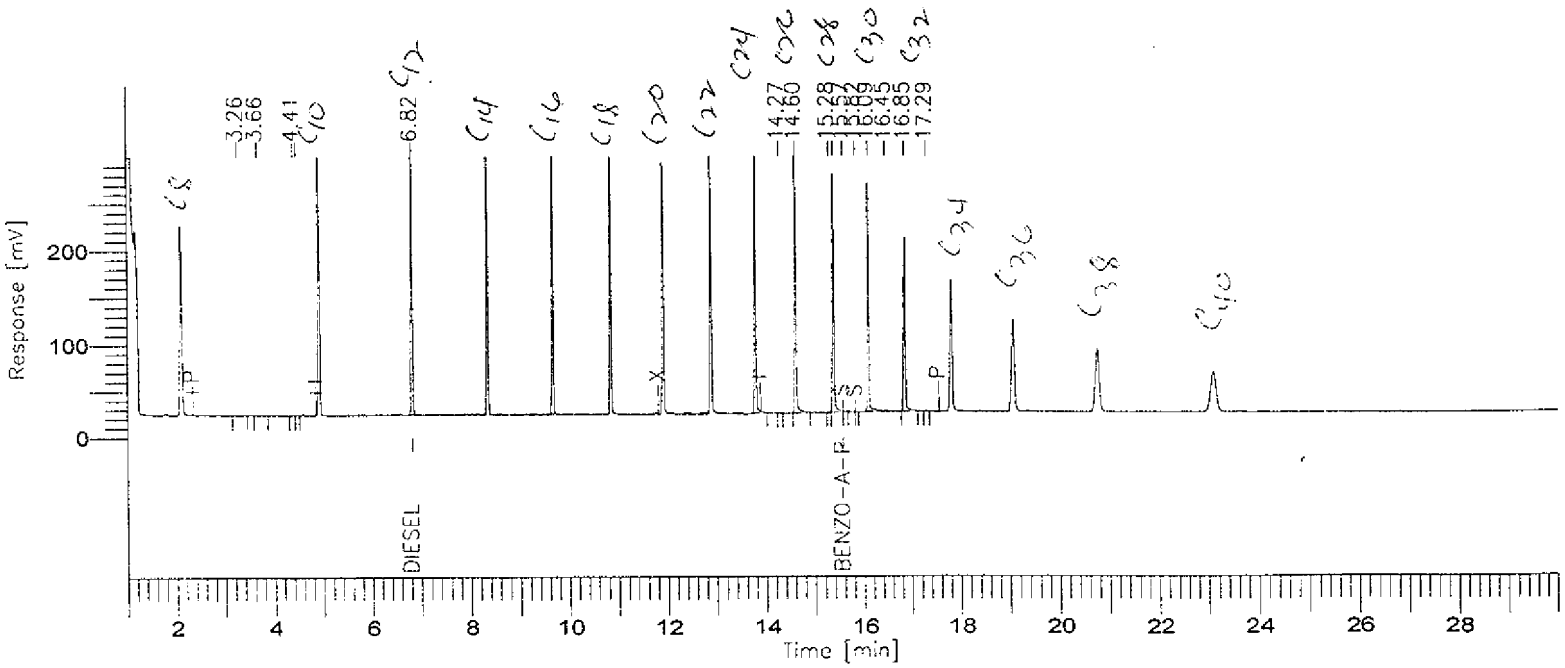
Raw Data File : C:\TC4\DATA_3\213_003.RAW
Result File : C:\TC4\DATA_3\213_003.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\213_003.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\213.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 15



BOE-C6-0006965

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.82	DIESEL	4670982	405.8212	-------	10.0	
15.57	BENZO-A-PYRENE	1967	0.1815	1.45	10.0	
		4672949	406.0027			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\213_003.TX0

Turbochrom Sequence File : C:\TC4\DATA_3\213.SEQ
Created by : EM on : 2/13/01 09:21 AM
Edited by : EC on : 2/13/01 10:28 AM
Description :

Number of Times Edited : 1

Sequence File Header Information:

Number of Rows : 195
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	DAILY RT MARKER	C8-C40	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	#TEPH00-175 DIE	40 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	#TEPH00-176 DIE	100 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	#TEPH01-41 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-179 DIE	2000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	#TEPH00-181 DIE	5000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Std Check	#TEPH01-42 SECO	2000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH01-37 RT M	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Std Check	#TEPH01-45 SECO	40 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

BOE-C6-0006967

INITIAL CALIBRATION DATA

Date Analyzed: 3-12-01

Instrument ID: GC3

C8 → C40T

Turbochrom Method File : C:\TC4\DATA_3\METHODS\C8-C40A.MTH
Created by : ELVIE on : 6/8/00 12:16 PM
Edited by : EC on : 3/14/01 02:43 PM
Description : SOLVENT = METHYLENE CHLORIDE

Number of Times Edited : 48
Number of Times Calibrated : 628

GC03 C-chain C8-C40
031201
Average Cal factor - OK

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 50 µV
Area Threshold : 200.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - -P at 0.170
Event #2 - +P at 2.000
Event #3 - -P at 30.000

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\WINDOWS\SYSTEM\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

Global Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :

BOE-C6-0006969

Component Type : Timed Group
Start Time : 2.011 min End Time : 4.844 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	154741.00	46407.82	----------	----------	1
2	20.0000	280889.00	90455.33	----------	----------	1
3	30.0000	335054.50	107456.02	----------	----------	1
4	40.0000	495015.00	172763.76	----------	----------	1
5	50.0000	601464.50	218480.62	----------	----------	1

Average Calibration Factor = 13018.339667 (%RSD = 13.25) ok

C10-C11
Component Type : Timed Group
Start Time : 4.845 min End Time : 6.747 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	135689.50	62535.04	----------	----------	1
2	20.0000	262400.50	126906.86	----------	----------	1
3	30.0000	313185.00	151129.86	----------	----------	1
4	40.0000	495596.00	241299.44	----------	----------	1
5	50.0000	619959.50	302849.03	----------	----------	1

Average Calibration Factor = 12383.513000 (%RSD = 9.66) ok

C12-C13
Component Type : Timed Group
Start Time : 6.748 min End Time : 8.267 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates

3	[illegible]	[illegible]	173404.07	----------	----------	1
4	40.0000	497349.00	273843.09	----------	----------	1
5	50.0000	621160.00	344909.75	----------	----------	1

Average Calibration Factor = 12279.526667 (%RSD = 8.88) ok

C14-C15

Component Type : Timed Group
Start Time : 8.268 min End Time : 9.590 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	135494.00	66322.07	----------	----------	1
2	20.0000	261286.50	139849.12	----------	----------	1
3	30.0000	315447.00	171039.98	----------	----------	1
4	40.0000	496988.00	271592.58	----------	----------	1
5	50.0000	626230.50	342649.53	----------	----------	1

Average Calibration Factor = 12415.587000 (%RSD = 9.30) ok

C16-C17

Component Type : Timed Group
Start Time : 9.591 min End Time : 10.772 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	134895.50	70751.39	----------	----------	1
2	20.0000	258970.50	129924.17	----------	----------	1
3	30.0000	317056.50	161406.23	----------	----------	1
4	40.0000	500315.50	251522.07	----------	----------	1
5	50.0000	628354.00	320758.83	----------	----------	1

Average Calibration Factor = 12416.318500 (%RSD = 8.90) ok

C18-C19

Component Type : Timed Group
Start Time : 10.773 min End Time : 11.836 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000

Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	134797.50	64925.71	----------	----------	1
2	20.0000	264029.00	142476.88	----------	----------	1
3	30.0000	318943.50	173947.69	----------	----------	1
4	40.0000	505539.50	273636.05	----------	----------	1
5	50.0000	632875.50	343444.36	----------	----------	1

Average Calibration Factor = 12521.729500 (%RSD = 8.92) OK

C20-C23

Component Type : Timed Group
Start Time : 11.837 min End Time : 13.709 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	272531.50	139337.87	----------	----------	1
2	20.0000	527660.50	273843.47	----------	----------	1
3	30.0000	641821.68	332687.80	----------	----------	1
4	40.0000	1016606.00	519296.59	----------	----------	1
5	50.0000	1287197.51	641398.18	----------	----------	1

Average Calibration Factor = 25237.866220 (%RSD = 8.96) OK

C24-C27

Component Type : Timed Group
Start Time : 13.710 min End Time : 15.296 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	268189.00	134187.82	----------	----------	1
2	20.0000	521497.50	262187.79	----------	----------	1
3	30.0000	658142.32	324454.44	----------	----------	1
4	40.0000	997492.00	504393.28	----------	----------	1
5	50.0000	1249666.49	622702.78	----------	----------	1

Average Calibration Factor = 24952.496446 (%RSD = 7.45) OK

C28-C31

Component Type : Timed Group
Start Time : 15.296 min End Time : 16.763 min

Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	257300.00	125724.24	----------	----------	1
2	20.0000	495733.00	260588.51	----------	----------	1
3	30.0000	674436.50	320900.44	----------	----------	1
4	40.0000	950391.50	499124.12	----------	----------	1
5	50.0000	1202068.50	623255.74	----------	----------	1

Average Calibration Factor = 24159.804833 (%RSD = 5.01) ok

C32-C35
Component Type : Timed Group
Start Time : 16.764 min End Time : 20.551 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	358766.00	115886.34	----------	----------	1
2	20.0000	698433.50	235760.59	----------	----------	1
3	30.0000	844585.50	285378.18	----------	----------	1
4	40.0000	1351461.00	456435.34	----------	----------	1
5	50.0000	1699361.50	571546.43	----------	----------	1

Average Calibration Factor = 33344.976000 (%RSD = 9.05) ok

C36-C39
Component Type : Timed Group
Start Time : 20.552 min End Time : 22.826 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	114032.86	20496.58	----------	----------	1
2	20.0000	228460.00	40778.02	----------	----------	1
3	30.0000	274899.38	49384.61	----------	----------	1
4	40.0000	447598.09	79403.04	----------	----------	1
5	50.0000	562295.63	100416.54	----------	----------	1

Average Calibration Factor = 10885.092714 (%RSD = 8.89) OK

C40+

Component Type : Timed Group
Start Time : 22.827 min End Time : 30.000 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	104711.64	12865.97	----------	----------	1
2	20.0000	208625.00	26448.48	----------	----------	1
3	30.0000	252106.62	32077.76	----------	----------	1
4	40.0000	413098.91	52579.19	----------	----------	1
5	50.0000	518274.37	66614.74	----------	----------	1

Average Calibration Factor = 9999.785619 (%RSD = 8.94) OK

Software Version: 4.1<2F12>
Date: 3/14/01 02:39 PM
Sample Name : #TEPH01-64 RT MARKER C8-C40
Data File : C:\TC4\DATA_3\312_009.RAW Date: 3/12/01 05:00 PM
Sequence File: C:\TC4\DATA_3\312.SEQ Cycle: 9 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calibration performed at level: 1
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.428	10.00000	154741.000000	15474.100000	------	1	------	------	1	0
C10-C11	5.796	10.00000	135689.500000	13568.950000	------	1	------	------	1	0
C12-C13	7.507	10.00000	132044.000000	13204.400000	0.00	5	------	------	1	0
C14-C15	8.929	10.00000	135494.000000	13549.400000	0.00	5	------	------	1	0
C16-C17	10.181	10.00000	134895.500000	13489.550000	0.00	5	------	------	1	0
C18-C19	11.304	10.00000	134797.500000	13479.750000	0.00	5	------	------	1	0
C20-C23	12.773	10.00000	272531.500000	27253.150000	0.00	5	------	------	1	0
C24-C27	14.503	10.00000	268189.000000	26818.900000	0.00	5	------	------	1	0
C28-C31	16.029	10.00000	257300.000000	25730.000000	0.00	5	------	------	1	0
C32-C35	18.657	10.00000	358766.000000	35876.600000	0.00	5	------	------	1	0
C36-C39	21.689	10.00000	114032.860465	11403.286047	0.00	5	------	------	1	0
C40+	26.413	10.00000	104711.639535	10471.163953	0.00	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	13018.339667	----------	----------	--------	9
C10-C11	0.000000	12383.513000	----------	----------	--------	9
C12-C13	0.000000	12279.526667	----------	----------	--------	9
C14-C15	0.000000	12415.587000	----------	----------	--------	9
C16-C17	0.000000	12416.318500	----------	----------	--------	9
C18-C19	0.000000	12521.729500	----------	----------	--------	9
C20-C23	0.000000	25237.866220	----------	----------	--------	9
C24-C27	0.000000	24952.496446	----------	----------	--------	9
C28-C31	0.000000	24159.804833	----------	----------	--------	9
C32-C35	0.000000	33344.976000	----------	----------	--------	9
C36-C39	0.000000	10885.092714	----------	----------	--------	9
C40+	0.000000	9999.785619	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH01-64 RT MARKER C8-C40 Time : 3/14/01 02:39 PM
Sample Number: 10 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/12/01 05:00 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

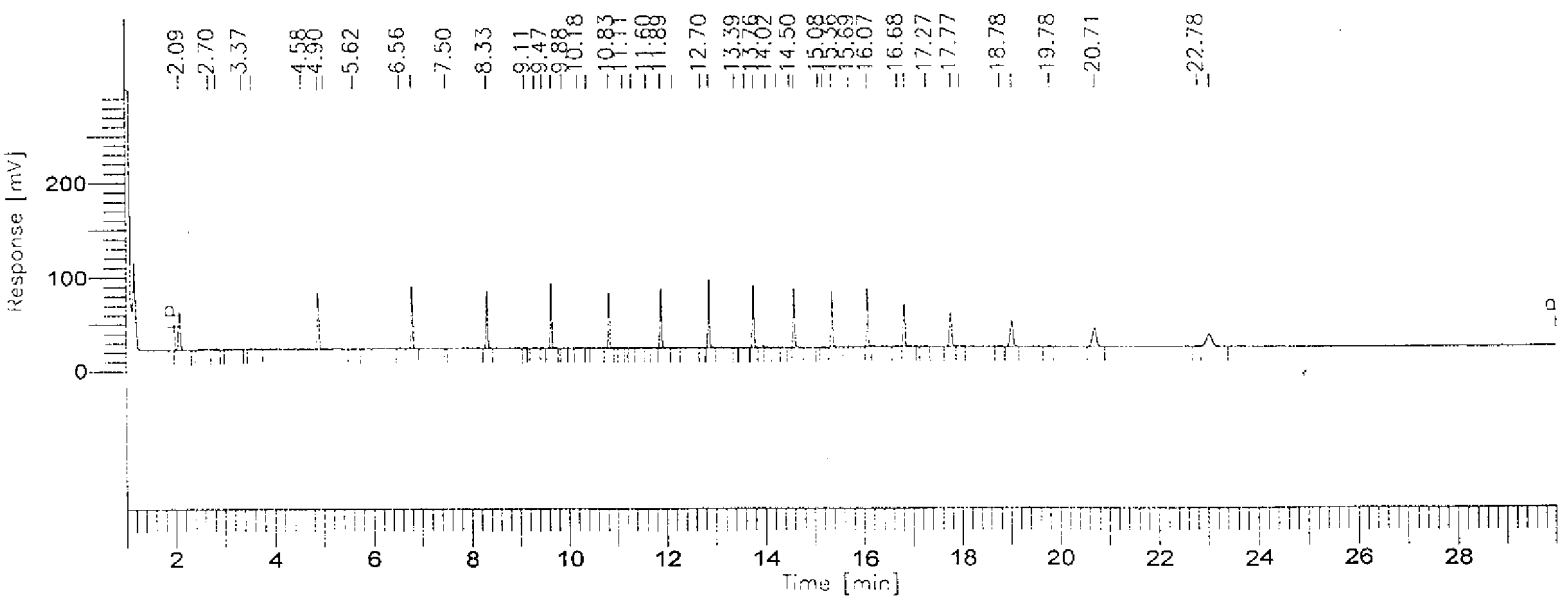
Raw Data File : C:\TC4\DATA_3\312_009.RAW
Result File : C:\TC4\DATA_3\312_009.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_009.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 51



BOE-C6-0006977

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	154741	11.8864	-------	10.0	
5.80	C10-C11	135690	10.9573	-------	10.0	
7.51	C12-C13	132044	10.7532	-------	10.0	
8.93	C14-C15	135494	10.9132	-------	10.0	
10.18	C16-C17	134896	10.8644	-------	10.0	
11.30	C18-C19	134798	10.7651	-------	10.0	
12.77	C20-C23	272532	10.7985	-------	10.0	
14.50	C24-C27	268189	10.7480	-------	10.0	
16.03	C28-C31	257300	10.6499	-------	10.0	
18.66	C32-C35	358766	10.7592	-------	10.0	
21.69	C36-C39	114033	10.4761	-------	10.0	
26.41	C40+	104712	10.4714	-------	10.0	
		2203192	130.0426			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.09		121990	0.1220	-------	10.0	
2.70		16852	0.0169	-------	10.0	
2.84		10368	0.0104	-------	10.0	
3.37		3261	0.0033	-------	10.0	
3.56		1594	0.0016	-------	10.0	
4.58		676	0.0007	-------	10.0	
		154741	0.1547			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.90		128766	0.1288	-------	10.0	
5.02		4270	0.0043	-------	10.0	
5.62		1162	0.0012	-------	10.0	
6.56		1492	0.0015	-------	10.0	

	135690	0.1357

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.80		131835	0.1318	-------	10.0	
7.50		209	0.0002	-------	10.0	
		132044	0.1320			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.33		131583	0.1316	-------	10.0	
9.11		1761	0.0018	-------	10.0	
9.32		1420	0.0014	-------	10.0	
9.47		730	0.0007	-------	10.0	
		135494	0.1355			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.65		132068	0.1321	-------	10.0	
9.88		570	0.0006	-------	10.0	
10.18		1661	0.0017	-------	10.0	
10.38		597	0.0006	-------	10.0	
		134896	0.1349			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.82		132290	0.1323	-------	10.0	
11.11		1026	0.0010	-------	10.0	
11.30		644	0.0006	-------	10.0	
11.60		837	0.0008	-------	10.0	
		134798	0.1348			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.89		135040	0.1350	-------	10.0	
12.14		1176	0.0012	-------	10.0	
12.70		828	0.0008	-------	10.0	
12.87		133630	0.1336	-------	10.0	
13.39		843	0.0008	-------	10.0	
13.59		1015	0.0010	-------	10.0	
		272532	0.2725			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.76		131304	0.1313	-------	10.0	
14.02		1090	0.0011	-------	10.0	
14.24		768	0.0008	-------	10.0	
14.50		429	0.0004	-------	10.0	
14.59		132671	0.1327	-------	10.0	
15.08		390	0.0004	-------	10.0	
15.17		1537	0.0015	-------	10.0	
		268189	0.2682			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.35		127988	0.1280	-------	10.0	
15.69		2256	0.0023	-------	10.0	
16.07		124719	0.1247	-------	10.0	
16.68		2337	0.0023	-------	10.0	
		257300	0.2573			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.83		121141	0.1211	-------	10.0	
17.27		2250	0.0022	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.95		1731	0.0017	-------	10.0	
18.78		1446	0.0014	-------	10.0	
19.02		114508	0.1145	-------	10.0	
19.78		1309	0.0013	-------	10.0	
		358766	0.3588			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.71		112318	0.1123	-------	10.0	
22.78		1715	0.0017	-------	10.0	
		114033	0.1140			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
23.02		104712	0.1047	-------	10.0	
		104712	0.1047			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_009.TX0

Software Version: 4.1<2F12>
Date: 3/14/01 02:39 PM
Sample Name : #TEPH01-65 RT MARKER C8-C40
Data File : C:\TC4\DATA_3\312_010.RAW Date: 3/12/01 05:39 PM
Sequence File: C:\TC4\DATA_3\312.SEQ Cycle: 10 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calibration performed at level: 2
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.428	20.00000	280889.000000	14044.450000	0.00	2	------	------	1	0
C10-C11	5.796	20.00000	262400.500000	13120.025000	0.00	2	------	------	1	0
C12-C13	7.507	20.00000	258311.500000	12915.575000	0.00	5	------	------	1	0
C14-C15	8.929	20.00000	261286.500000	13064.325000	0.00	5	------	------	1	0
C16-C17	10.181	20.00000	258970.500000	12948.525000	0.00	5	------	------	1	0
C18-C19	11.304	20.00000	264029.000000	13201.450000	0.00	5	------	------	1	0
C20-C23	12.773	20.00000	527660.500000	26383.025000	0.00	5	------	------	1	0
C24-C27	14.503	20.00000	521497.500000	26074.875000	0.00	5	------	------	1	0
C28-C31	16.029	20.00000	495733.000000	24786.650000	0.00	5	------	------	1	0
C32-C35	18.657	20.00000	698433.500000	34921.675000	0.00	5	------	------	1	0
C36-C39	21.689	20.00000	228460.000000	11423.000000	0.00	5	------	------	1	0
C40+	26.413	20.00000	208625.000000	10431.250000	0.00	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	13018.339667	----------	----------	--------	9
C10-C11	0.000000	12383.513000	----------	----------	--------	9
C12-C13	0.000000	12279.526667	----------	----------	--------	9
C14-C15	0.000000	12415.587000	----------	----------	--------	9
C16-C17	0.000000	12416.318500	----------	----------	--------	9
C18-C19	0.000000	12521.729500	----------	----------	--------	9
C20-C23	0.000000	25237.866220	----------	----------	--------	9
C24-C27	0.000000	24952.496446	----------	----------	--------	9
C28-C31	0.000000	24159.804833	----------	----------	--------	9
C32-C35	0.000000	33344.976000	----------	----------	--------	9
C36-C39	0.000000	10885.092714	----------	----------	--------	9
C40+	0.000000	9999.785619	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

BOE-C6-0006983

Software Version: 4.1<2F12>
Sample Name : #TEPH01-65 RT MARKER C8-C40 Time : 3/14/01 02:39 PM
Sample Number: 20 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/12/01 05:39 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

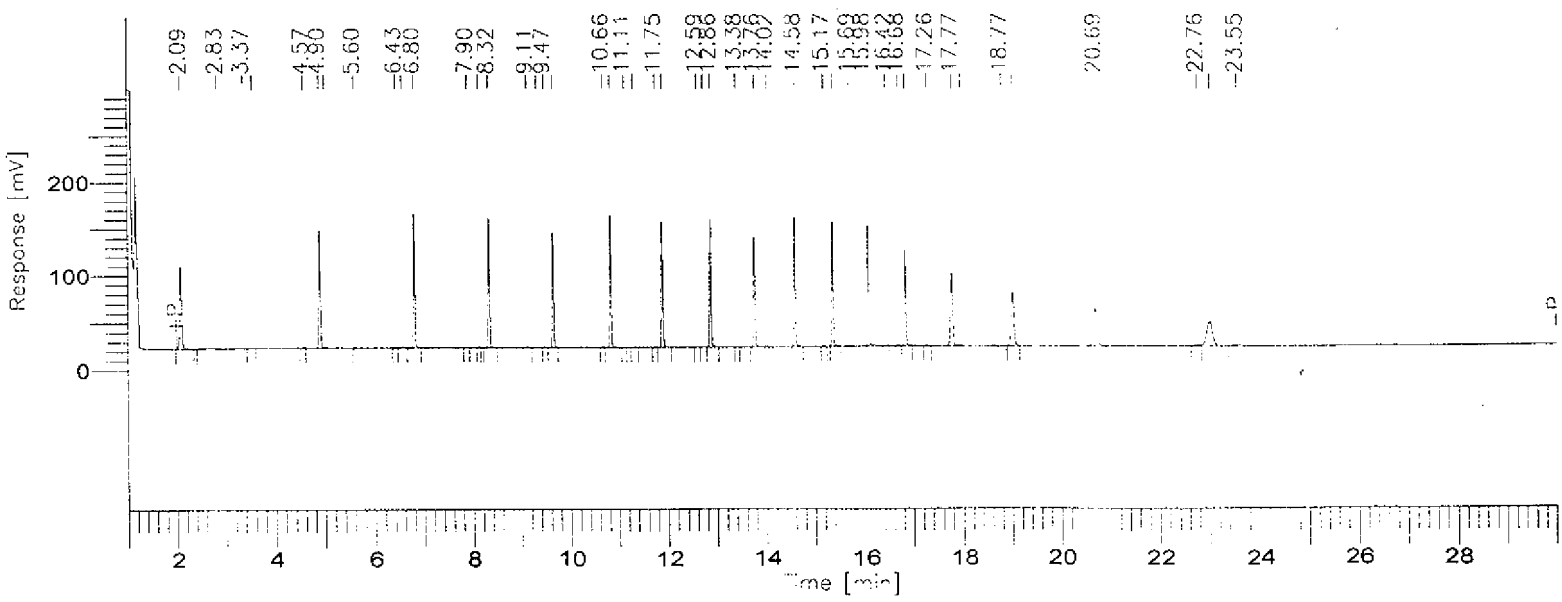
Raw Data File : C:\TC4\DATA_3\312_010.RAW
Result File : C:\TC4\DATA_3\312_010.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_010.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 48



BOE-C6-0006984

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	280889	21.5764	-------	10.0	
5.80	C10-C11	262400	21.1895	-------	10.0	
7.51	C12-C13	258312	21.0359	-------	10.0	
8.93	C14-C15	261286	21.0450	-------	10.0	
10.18	C16-C17	258970	20.8573	-------	10.0	
11.30	C18-C19	264029	21.0857	-------	10.0	
12.77	C20-C23	527660	20.9075	-------	10.0	
14.50	C24-C27	521498	20.8996	-------	10.0	
16.03	C28-C31	495733	20.5189	-------	10.0	
18.66	C32-C35	698434	20.9457	-------	10.0	
21.69	C36-C39	228460	20.9883	-------	10.0	
26.41	C40+	208625	20.8629	-------	10.0	
		4266296	251.9128			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.09		243000	0.2430	-------	10.0	
2.83		26658	0.0267	-------	10.0	
3.37		7454	0.0075	-------	10.0	
3.55		2098	0.0021	-------	10.0	
4.57		1678	0.0017	-------	10.0	
		280889	0.2809			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.90		252593	0.2526	-------	10.0	
5.01		4359	0.0044	-------	10.0	
5.60		1060	0.0011	-------	10.0	
6.43		1090	0.0011	-------	10.0	
6.56		3299	0.0033	-------	10.0	

	262400	0.2624

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.80		256034	0.2560	-------	10.0	
7.89		1056	0.0011	-------	10.0	
8.12		1221	0.0012	-------	10.0	
		258312	0.2583			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.32		257351	0.2574	-------	10.0	
9.11		1569	0.0016	-------	10.0	
9.32		1432	0.0014	-------	10.0	
9.47		935	0.0009	-------	10.0	
		261286	0.2613			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.64		257964	0.2580	-------	10.0	
10.66		1007	0.0010	-------	10.0	
		258970	0.2590			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.82		260966	0.2610	-------	10.0	
11.11		634	0.0006	-------	10.0	
11.30		776	0.0008	-------	10.0	
11.75		1653	0.0017	-------	10.0	
		264029	0.2640			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.89		263140	0.2631	-------	10.0	
12.59		568	0.0006	-------	10.0	
12.72		1302	0.0013	-------	10.0	
12.86		261944	0.2619	-------	10.0	
13.38		706	0.0007	-------	10.0	
		527660	0.5277			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.76		260816	0.2608	-------	10.0	
14.02		1118	0.0011	-------	10.0	
14.58		258234	0.2582	-------	10.0	
15.17		1330	0.0013	-------	10.0	
		521498	0.5215			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.35		251448	0.2514	-------	10.0	
15.69		1919	0.0019	-------	10.0	
15.98		602	0.0006	-------	10.0	
16.07		239681	0.2397	-------	10.0	
16.42		460	0.0005	-------	10.0	
16.68		1623	0.0016	-------	10.0	
		495733	0.4957			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.82		236832	0.2368	-------	10.0	
17.26		1717	0.0017	-------	10.0	
17.77		229812	0.2298	-------	10.0	
17.94		2501	0.0025	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.01		225988	0.2260	-------	10.0	
		698434	0.6984			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.69		224196	0.2242	-------	10.0	
22.76		4264	0.0043	-------	10.0	
		228460	0.2285			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
23.01		205562	0.2056	-------	10.0	
23.55		3063	0.0031	-------	10.0	
		208625	0.2086			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_010.TX0

Software Version: 4.1<2F12>
Date: 3/14/01 02:39 PM
Sample Name : #TEPH01-66 RT MARKER C8-C40
Data File : C:\TC4\DATA_3\312_011.RAW Date: 3/12/01 06:18 PM
Sequence File: C:\TC4\DATA_3\312.SEQ Cycle: 11 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calibration performed at level: 3
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.428	30.00000	335054.500000	11168.483333	0.00	3	------	------	1	0
C10-C11	5.796	30.00000	313185.000000	10439.500000	0.00	3	------	------	1	0
C12-C13	7.507	30.00000	312622.000000	10420.733333	0.00	5	------	------	1	0
C14-C15	8.929	30.00000	315447.000000	10514.900000	0.00	5	------	------	1	0
C16-C17	10.181	30.00000	317056.500000	10568.550000	0.00	5	------	------	1	0
C18-C19	11.304	30.00000	318943.500000	10631.450000	0.00	5	------	------	1	0
C20-C23	12.773	30.00000	641821.676471	21394.055882	0.00	5	------	------	1	0
C24-C27	14.503	30.00000	658142.323529	21938.077451	0.00	5	------	------	1	0
C28-C31	16.029	30.00000	674436.500000	22481.216667	0.00	5	------	------	1	0
C32-C35	18.657	30.00000	844585.500000	28152.850000	0.00	5	------	------	1	0
C36-C39	21.689	30.00000	274899.381579	9163.312719	0.00	5	------	------	1	0
C40+	26.413	30.00000	252106.618421	8403.553947	0.00	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	13018.339667	----------	----------	--------	9
C10-C11	0.000000	12383.513000	----------	----------	--------	9
C12-C13	0.000000	12279.526667	----------	----------	--------	9
C14-C15	0.000000	12415.587000	----------	----------	--------	9
C16-C17	0.000000	12416.318500	----------	----------	--------	9
C18-C19	0.000000	12521.729500	----------	----------	--------	9
C20-C23	0.000000	25237.866220	----------	----------	--------	9
C24-C27	0.000000	24952.496446	----------	----------	--------	9
C28-C31	0.000000	24159.804833	----------	----------	--------	9
C32-C35	0.000000	33344.976000	----------	----------	--------	9
C36-C39	0.000000	10885.092714	----------	----------	--------	9
C40+	0.000000	9999.785619	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH01-66 RT MARKER C8-C40 Time : 3/14/01 02:39 PM
Sample Number: 30 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/12/01 06:18 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

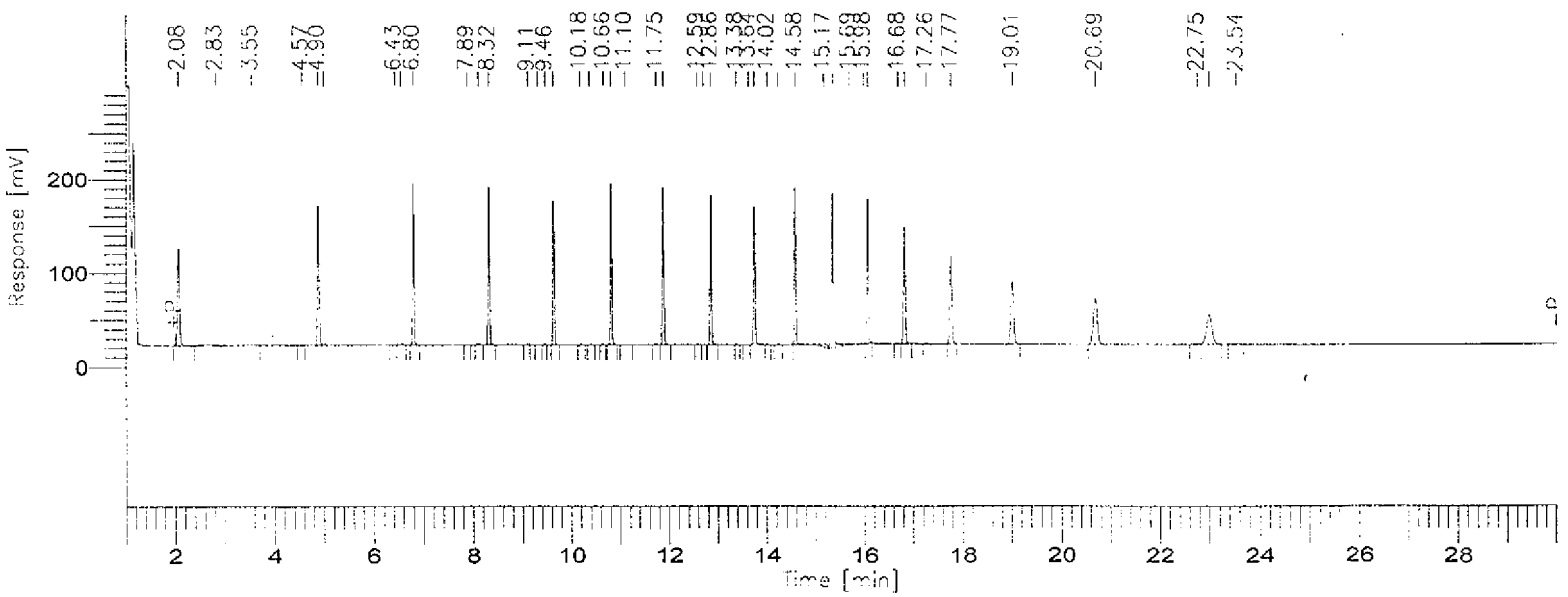
Raw Data File : C:\TC4\DATA_3\312_011.RAW
Result File : C:\TC4\DATA_3\312_011.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_011.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 46



BOE-C6-0006991

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	335054	25.7371	-------	10.0	
5.80	C10-C11	313185	25.2905	-------	10.0	
7.51	C12-C13	312622	25.4588	-------	10.0	
8.93	C14-C15	315447	25.4073	-------	10.0	
10.18	C16-C17	317056	25.5355	-------	10.0	
11.30	C18-C19	318944	25.4712	-------	10.0	
12.77	C20-C23	641822	25.4309	-------	10.0	
14.50	C24-C27	658142	26.3758	-------	10.0	
16.03	C28-C31	674436	27.9156	-------	10.0	
18.66	C32-C35	844586	25.3287	-------	10.0	
21.69	C36-C39	274899	25.2547	-------	10.0	
26.41	C40+	252107	25.2112	-------	10.0	
		5258300	308.4173			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		292766	0.2928	-------	10.0	
2.83		26663	0.0267	-------	10.0	
3.55		13999	0.0140	-------	10.0	
4.57		1627	0.0016	-------	10.0	
		335054	0.3351			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.90		304716	0.3047	-------	10.0	
5.01		4195	0.0042	-------	10.0	
6.43		1247	0.0012	-------	10.0	
6.56		3027	0.0030	-------	10.0	
		313185	0.3132			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.80		309587	0.3096	-------	10.0	
7.89		927	0.0009	-------	10.0	
8.12		2108	0.0021	-------	10.0	
		312622	0.3126			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.32		312639	0.3126	-------	10.0	
9.11		1057	0.0011	-------	10.0	
9.32		747	0.0007	-------	10.0	
9.46		1004	0.0010	-------	10.0	
		315447	0.3154			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.64		314532	0.3145	-------	10.0	
10.18		848	0.0008	-------	10.0	
10.37		655	0.0007	-------	10.0	
10.66		1021	0.0010	-------	10.0	
		317056	0.3171			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.82		315905	0.3159	-------	10.0	
11.10		888	0.0009	-------	10.0	
11.75		2150	0.0022	-------	10.0	
		318944	0.3189			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.89		320392	0.3204	-------	10.0	
12.59		850	0.0009	-------	10.0	
12.70		813	0.0008	-------	10.0	
12.86		317858	0.3179	-------	10.0	
13.38		572	0.0006	-------	10.0	
13.64		1338	0.0013	-------	10.0	
		641822	0.6418			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.76		318448	0.3184	-------	10.0	
14.02		1064	0.0011	-------	10.0	
14.24		751	0.0008	-------	10.0	
14.58		314084	0.3141	-------	10.0	
15.17		23795	0.0238	-------	10.0	
		658142	0.6581			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.35		360996	0.3610	-------	10.0	
15.69		19427	0.0194	-------	10.0	
15.98		644	0.0006	-------	10.0	
16.07		291843	0.2918	-------	10.0	
16.67		1527	0.0015	-------	10.0	
		674436	0.6744			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.82		292102	0.2921	-------	10.0	
17.26		1865	0.0019	-------	10.0	
17.77		277315	0.2773	-------	10.0	
19.01		273304	0.2733	-------	10.0	

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.69		269828	0.2698	-------	10.0	
22.75		5071	0.0051	-------	10.0	
		274899	0.2749			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
23.00		248415	0.2484	-------	10.0	
23.54		3692	0.0037	-------	10.0	
		252107	0.2521			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_011.TX0

Software Version: 4.1<2F12>
Date: 3/14/01 02:40 PM
Sample Name : #TEPH01-67 RT MARKER C8-C40
Data File : C:\TC4\DATA_3\312_012.RAW Date: 3/12/01 06:57 PM
Sequence File: C:\TC4\DATA_3\312.SEQ Cycle: 12 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calibration performed at level: 4
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.428	40.00000	495015.000000	12375.375000	0.00	4	------	------	1	0
C10-C11	5.796	40.00000	495596.000000	12389.900000	0.00	4	------	------	1	0
C12-C13	7.507	40.00000	497349.000000	12433.725000	0.00	5	------	------	1	0
C14-C15	8.929	40.00000	496988.000000	12424.700000	0.00	5	------	------	1	0
C16-C17	10.181	40.00000	500315.500000	12507.887500	0.00	5	------	------	1	0
C18-C19	11.304	40.00000	505539.500000	12638.487500	0.00	5	------	------	1	0
C20-C23	12.773	40.00000	1016606.000000	25415.150000	0.00	5	------	------	1	0
C24-C27	14.503	40.00000	997492.000000	24937.300000	0.00	5	------	------	1	0
C28-C31	16.029	40.00000	950391.500000	23759.787500	0.00	5	------	------	1	0
C32-C35	18.657	40.00000	1351461.000000	33786.525000	0.00	5	------	------	1	0
C36-C39	21.689	40.00000	447598.086957	11189.952174	0.00	5	------	------	1	0
C40+	26.413	40.00000	413098.913043	10327.472826	0.00	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	13018.339667	----------	----------	--------	9
C10-C11	0.000000	12383.513000	----------	----------	--------	9
C12-C13	0.000000	12279.526667	----------	----------	--------	9
C14-C15	0.000000	12415.587000	----------	----------	--------	9
C16-C17	0.000000	12416.318500	----------	----------	--------	9
C18-C19	0.000000	12521.729500	----------	----------	--------	9
C20-C23	0.000000	25237.866220	----------	----------	--------	9
C24-C27	0.000000	24952.496446	----------	----------	--------	9
C28-C31	0.000000	24159.804833	----------	----------	--------	9
C32-C35	0.000000	33344.976000	----------	----------	--------	9
C36-C39	0.000000	10885.092714	----------	----------	--------	9
C40+	0.000000	9999.785619	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

BOE-C6-0006997

Software Version: 4.1<2F12>
Sample Name : #TEPH01-67 RT MARKER C8-C40 Time : 3/14/01 02:40 PM
Sample Number: 40 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/12/01 06:57 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

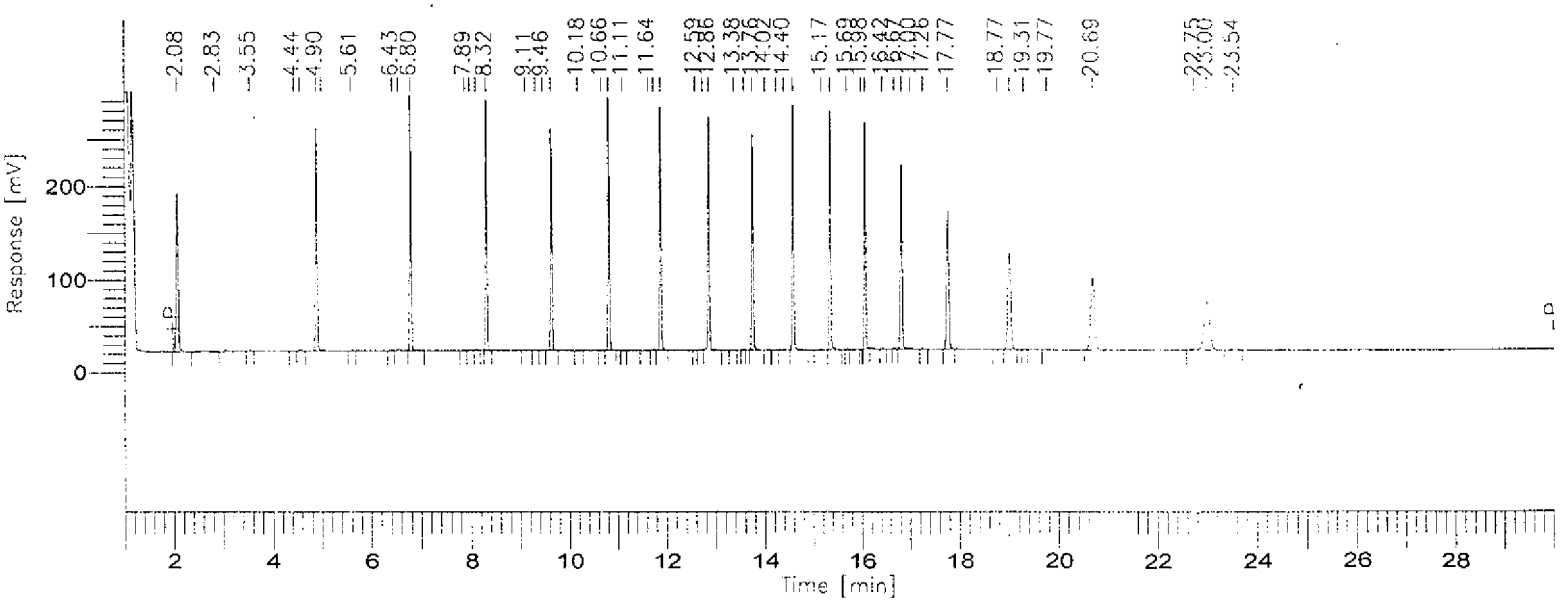
Raw Data File : C:\TC4\DATA_3\312_012.RAW
Result File : C:\TC4\DATA_3\312_012.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_012.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 55



BOE-C6-0006998

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	495015	38.0244	-------	10.0	
5.80	C10-C11	495596	40.0206	-------	10.0	
7.51	C12-C13	497349	40.5023	-------	10.0	
8.93	C14-C15	496988	40.0294	-------	10.0	
10.18	C16-C17	500316	40.2950	-------	10.0	
11.30	C18-C19	505540	40.3730	-------	10.0	
12.77	C20-C23	1016606	40.2810	-------	10.0	
14.50	C24-C27	997492	39.9756	-------	10.0	
16.03	C28-C31	950392	39.3377	-------	10.0	
18.66	C32-C35	1351461	40.5297	-------	10.0	
21.69	C36-C39	447598	41.1203	-------	10.0	
26.41	C40+	413099	41.3108	-------	10.0	
		8167450	481.7998			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		465110	0.4651	-------	10.0	
2.83		25408	0.0254	-------	10.0	
3.55		543	0.0005	-------	10.0	
4.44		1089	0.0011	-------	10.0	
4.57		2866	0.0029	-------	10.0	
		495015	0.4950			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.90		484712	0.4847	-------	10.0	
5.01		4009	0.0040	-------	10.0	
5.60		822	0.0008	-------	10.0	
6.43		1417	0.0014	-------	10.0	
6.56		4636	0.0046	-------	10.0	

	495596	0.4956

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.80		491957	0.4920	-------	10.0	
7.89		1475	0.0015	-------	10.0	
7.99		979	0.0010	-------	10.0	
8.12		2938	0.0029	-------	10.0	
		497349	0.4973			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.32		493037	0.4930	-------	10.0	
9.11		1047	0.0010	-------	10.0	
9.32		1198	0.0012	-------	10.0	
9.46		1706	0.0017	-------	10.0	
		496988	0.4970			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.64		497798	0.4978	-------	10.0	
10.18		903	0.0009	-------	10.0	
10.66		1615	0.0016	-------	10.0	
		500316	0.5003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.82		500282	0.5003	-------	10.0	
11.11		841	0.0008	-------	10.0	
11.64		1149	0.0011	-------	10.0	
11.75		3267	0.0033	-------	10.0	

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.89		505733	0.5057	-------	10.0	
12.59		836	0.0008	-------	10.0	
12.73		3782	0.0038	-------	10.0	
12.86		503971	0.5040	-------	10.0	
13.38		859	0.0009	-------	10.0	
13.59		1426	0.0014	-------	10.0	
		1016606	1.0166			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.76		492786	0.4928	-------	10.0	
14.02		936	0.0009	-------	10.0	
14.24		544	0.0005	-------	10.0	
14.40		3209	0.0032	-------	10.0	
14.58		496622	0.4966	-------	10.0	
15.17		3395	0.0034	-------	10.0	
		997492	0.9975			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.35		484348	0.4843	-------	10.0	
15.69		1882	0.0019	-------	10.0	
15.98		574	0.0006	-------	10.0	
16.07		461336	0.4613	-------	10.0	
16.42		901	0.0009	-------	10.0	
16.67		1351	0.0014	-------	10.0	
		950392	0.9504			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.82		458476	0.4585	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.26		1997	0.0020	-------	10.0	
17.76		444192	0.4442	-------	10.0	
18.76		1498	0.0015	-------	10.0	
19.01		439515	0.4395	-------	10.0	
19.30		867	0.0009	-------	10.0	
19.77		1599	0.0016	-------	10.0	
		1351461	1.3515			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.69		437973	0.4380	-------	10.0	
22.75		9625	0.0096	-------	10.0	
		447598	0.4476			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
23.00		406750	0.4067	-------	10.0	
23.54		6349	0.0063	-------	10.0	
		413099	0.4131			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_012.TX0

Software Version: 4.1<2F12>
Date: 3/14/01 02:40 PM
Sample Name : #TEPH01-68 RT MARKER C8-C40
Data File : C:\TC4\DATA_3\312_013.RAW Date: 3/12/01 07:36 PM
Sequence File: C:\TC4\DATA_3\312.SEQ Cycle: 13 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calibration performed at level: 5
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.428	50.00000	601464.500000	12029.290000	0.00	5	------	------	1	0
C10-C11	5.796	50.00000	619959.500000	12399.190000	0.00	5	------	------	1	0
C12-C13	7.507	50.00000	621160.000000	12423.200000	0.00	5	------	------	1	0
C14-C15	8.929	50.00000	626230.500000	12524.610000	0.00	5	------	------	1	0
C16-C17	10.181	50.00000	628354.000000	12567.080000	0.00	5	------	------	1	0
C18-C19	11.304	50.00000	632875.500000	12657.510000	0.00	5	------	------	1	0
C20-C23	12.773	50.00000	1287197.510989	25743.950220	0.00	5	------	------	1	0
C24-C27	14.503	50.00000	1249666.489011	24993.329780	0.00	5	------	------	1	0
C28-C31	16.029	50.00000	1202068.500000	24041.370000	0.00	5	------	------	1	0
C32-C35	18.657	50.00000	1699361.500000	33987.230000	0.00	5	------	------	1	0
C36-C39	21.689	50.00000	562295.631579	11245.912632	0.00	5	------	------	1	0
C40+	26.413	50.00000	518274.368421	10365.487368	0.00	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	13018.339667	----------	----------	--------	9
C10-C11	0.000000	12383.513000	----------	----------	--------	9
C12-C13	0.000000	12279.526667	----------	----------	--------	9
C14-C15	0.000000	12415.587000	----------	----------	--------	9
C16-C17	0.000000	12416.318500	----------	----------	--------	9
C18-C19	0.000000	12521.729500	----------	----------	--------	9
C20-C23	0.000000	25237.866220	----------	----------	--------	9
C24-C27	0.000000	24952.496446	----------	----------	--------	9
C28-C31	0.000000	24159.804833	----------	----------	--------	9
C32-C35	0.000000	33344.976000	----------	----------	--------	9
C36-C39	0.000000	10885.092714	----------	----------	--------	9
C40+	0.000000	9999.785619	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH01-68 RT MARKER C8-C40 Time : 3/14/01 02:40 PM
Sample Number: 50 PPM Study : ICAL 2/13/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 3/12/01 07:36 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

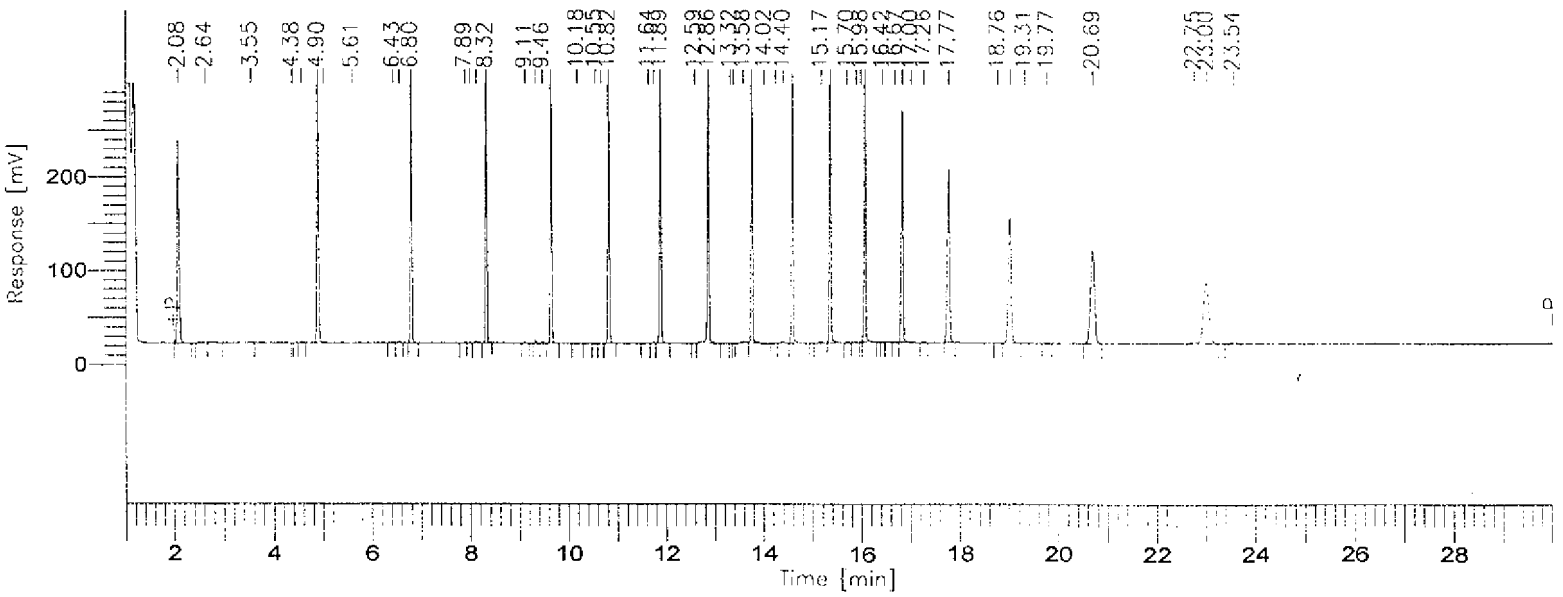
Raw Data File : C:\TC4\DATA_3\312_013.RAW
Result File : C:\TC4\DATA_3\312_013.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\312_013.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\312.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 56



BOE-C6-0007005

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.43	C8-C9	601464	46.2013	-------	10.0	
5.80	C10-C11	619960	50.0633	-------	10.0	
7.51	C12-C13	621160	50.5850	-------	10.0	
8.93	C14-C15	626230	50.4391	-------	10.0	
10.18	C16-C17	628354	50.6071	-------	10.0	
11.30	C18-C19	632876	50.5422	-------	10.0	
12.77	C20-C23	1287198	51.0026	-------	10.0	
14.50	C24-C27	1249666	50.0818	-------	10.0	
16.03	C28-C31	1202068	49.7549	-------	10.0	
18.66	C32-C35	1699362	50.9630	-------	10.0	
21.69	C36-C39	562296	51.6574	-------	10.0	
26.41	C40+	518274	51.8285	-------	10.0	
		10248908	603.7263			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		585602	0.5856	-------	10.0	
2.64		4569	0.0046	-------	10.0	
3.55		7762	0.0078	-------	10.0	
4.38		202	0.0002	-------	10.0	
4.57		3330	0.0033	-------	10.0	
		601464	0.6015			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.90		609874	0.6099	-------	10.0	
5.01		3958	0.0040	-------	10.0	
5.61		576	0.0006	-------	10.0	
6.43		1312	0.0013	-------	10.0	
6.56		4239	0.0042	-------	10.0	

619960	0.6200	

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.80		614325	0.6143	-------	10.0	
7.89		1475	0.0015	-------	10.0	
8.00		1258	0.0013	-------	10.0	
8.12		4102	0.0041	-------	10.0	
		621160	0.6212			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.32		618545	0.6185	-------	10.0	
9.11		1071	0.0011	-------	10.0	
9.32		4608	0.0046	-------	10.0	
9.46		2006	0.0020	-------	10.0	
		626230	0.6262			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.64		624356	0.6244	-------	10.0	
10.18		1041	0.0010	-------	10.0	
10.55		924	0.0009	-------	10.0	
10.66		2033	0.0020	-------	10.0	
		628354	0.6284			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.82		627368	0.6274	-------	10.0	
11.64		1239	0.0012	-------	10.0	
11.75		4268	0.0043	-------	10.0	

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.89		635154	0.6352	-------	10.0	
12.59		772	0.0008	-------	10.0	
12.86		635246	0.6352	-------	10.0	
13.32		273	0.0003	-------	10.0	
13.38		563	0.0006	-------	10.0	
13.58		15189	0.0152	-------	10.0	
		1287198	1.2872			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.76		615192	0.6152	-------	10.0	
14.02		2026	0.0020	-------	10.0	
14.24		721	0.0007	-------	10.0	
14.40		8434	0.0084	-------	10.0	
14.58		617775	0.6178	-------	10.0	
15.17		5519	0.0055	-------	10.0	
		1249666	1.2497			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.35		606753	0.6068	-------	10.0	
15.70		2799	0.0028	-------	10.0	
15.88		1830	0.0018	-------	10.0	
15.98		839	0.0008	-------	10.0	
16.07		588008	0.5880	-------	10.0	
16.42		684	0.0007	-------	10.0	
16.67		1156	0.0012	-------	10.0	
		1202068	1.2021			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.00		4218	0.0042	-------	10.0	
17.26		1874	0.0019	-------	10.0	
17.76		557796	0.5578	-------	10.0	
18.76		1720	0.0017	-------	10.0	
19.01		555019	0.5550	-------	10.0	
19.30		1780	0.0018	-------	10.0	
19.77		1977	0.0020	-------	10.0	
		1699362	1.6994			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.69		550052	0.5501	-------	10.0	
22.75		12244	0.0122	-------	10.0	
		562296	0.5623			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
23.00		509943	0.5099	-------	10.0	
23.54		8331	0.0083	-------	10.0	
		518274	0.5183			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\312_013.TX0

Turbochrom Sequence File : C:\TC4\DATA_3\312.SEQ
Created by : EM on : 3/12/01 06:59 AM
Edited by : EC on : 3/12/01 05:12 PM
Description :

Number of Times Edited : 8

Sequence File Header Information:

Number of Rows : 116
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	DAILY RT MARKER	C8-C40	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	C080299-MB -NOT USED	DW6QL1AAB	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Cal:Replace	#TEPH01-64 RT M	10 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	#TEPH01-65 RT M	20 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	#TEPH01-66 RT M	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH01-67 RT M	40 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH01-68 RT M	50 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	C080299-MB	DW6QL1AAB	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	C080299-LCS	DW6QL1ACC	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
16	Sample	C080299-22	DW5RP1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
17	Sample	C080299-22 MS	DW5RP1AES	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
18	Sample	C080299-22 MSD	DW5RP1AFD	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	C080299-23	DW5RQ1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	C080299-24	DW5RR1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	C080299-25	DW5RT1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	C080299-27	DW5RW1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	C080299-28	DW5RX1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	C080299-29	DW5R01AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	C080299-30	DW5R11AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	C080299-31	DW5R21AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	C080299-32	DW5R31AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	C080299-33	DW5R41AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	C080299-34	DW5R51AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	C080299-35	DW5R61AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	C080299-36	DW5R71AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	C080299-37	DW5R81AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	C080299-38	DW5R91AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	C080299-39	DW5TA1AE	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	C080299-40	DW5TC1AE	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	C080299-41	DW5TD1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	C080299-42	DW5TE1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	MECL2	MECL2	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	C080299-MB	DW64V1AAB	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	C080299-LCS	DW64V1ACC	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	C080299-43	DW5TG1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	C080299-43 MS	DW5TG1ADS	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	C080299-43 MSD	DW5TG1AED	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	C080299-44	DW5TH1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	C080299-45	DW5TJ1AA	ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Std Check	#TEPH01-55 DIES	1000 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Std Check	PCB01-12 RT MAR	30 PPM	ICAL 2/13/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample			ICAL 2/13/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Supporting Raw Data

Metals

Lot # EIC 090309

CVAA Data Summary Cover Sheet

Mercury
Instrument ID: Leeman PS200 – M03
Leeman PS200 – M04

Analyst: JGA
Analytical Date: 3/13/01
Data File: H610213B
Corr. Coeff.: 0.9999

Analysis by SOP: 7470 - 245.1 - CORP-MT-0005SA Rev 1.1 ___
7471 - 245.5 - CORP-MT-0007SA Rev 1.1 ✓

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
1069113	EIC090309	3/13/01		13
	EIC090323			13
	EIC090238			

Calibration Stds:
Preparation: Date 3/13/01 Time 1300
Calibration Stock Standard Concentration 10000 mg/L Lot# Hg-060800 Exp. Date 05/02
Intermediate Standard – 10000ug/L – requires 1000X dilution of Stock Std.
Cal Working Standard - 100ug/L - requires 100X dilution of Intermediate Std.
Std.1 - 0.2 ug/L 500X dilution of Cal Working Standard (0.2mL to 100mL)
Std.2 - 0.5 ug/L 200X dilution of Cal Working Standard (0.5mL to 100mL)
Std.3 - 1.0 ug/L 100X dilution of Cal Working Standard (1.0mL to 100mL)
Std.4 - 5.0 ug/L 20X dilution of Cal Working Standard (5.0mL to 100mL)
Std.5 - 10 ug/L 10X dilution of Cal Working Standard (10.0mL to 100mL)
Calibration Check Stds:
CRA - 0.2 ug/L - 500X dilution of Cal Working Standard (0.2mL to 100mL)
ICV Stock Standard Concentration 1000 mg/mL Lot# Hg-061300 Exp. Date 07/2001
ICV Working Standard - 500 ug/L - two dilutions of ICV Stock -first 100X then a 20X
ICV - 2.5 ug/L - 200X dilution of ICV Working Standard (0.5mL to 100mL)
CCV - 5.0 ug/L - 20X dilution of Cal Working Standard (5.0mL to 100mL)

Notes/Comments:

N:\metals\forms\dscs.doc
02/28/01

FURNACE DATA SHEET

File: HG10213B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 03/13/01 End Run Date: 03/13/01

Correlation Coefficient: _-~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 3/13/01 JGA

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1	S0	14:54	1.00		0.0000				
2	S0.2	14:55	1.00		0.2000				
3	S0.5	14:57	1.00		0.5000				
4	S1	14:59	1.00		1.0000				
5	S5	15:01	1.00		5.0000				
6	S10	15:02	1.00		10.0000				
7	ICV	15:05	1.00		2.5200	101			
8	ICB	15:07	1.00		-0.0090			ND	
9	DW8JMB	15:08	1.00		-0.0010			ND	
10	DW8JMC	15:10	1.00		4.9900	100		0.832	
11	DW7TV	15:12	1.00		0.3810			0.064	
12	DW7T4	15:14	1.00		0.2690			0.045	
13	DW7T7	15:15	1.00		0.1840			0.031	
14	DW7VC	15:17	1.00		0.3700			0.062	
15	DW7VD	15:19	1.00		0.1560			0.026	
16	DW7VF	15:20	1.00		0.0960			ND	
17	DW70X	15:22	1.00		0.3590			0.060	
18	DW718	15:24	1.00		0.3730			0.062	
19	CCV	15:26	1.00		4.8600	97			
20	CCB	15:27	1.00		-0.0230			ND	
21	DW72D	15:29	1.00		0.3560			0.059	
22	DW650	15:31	1.00		8.5100			1.42	
23	DW650S	15:33	1.00		2.9400	NC		0.490	
24	DW650D	15:34	1.00		2.5800	NC		0.430	
25	CCV	15:36	1.00		4.8800	98			
26	CCB	15:38	1.00		-0.0160			ND	
27	DW650	15:49	1.00		8.4400				
28	DW650S	15:51	1.00		2.9600				
29	DW650D	15:53	1.00		2.5800			Confirmation run only	
30	CCV	15:55	1.00		4.8500	97			
31	CCB	15:57	1.00		-0.0250			ND	
32									
33									
34									
35									
36									
37									
38									
39									
40									

Analyst: jga_____ QC Reviewer: _____

*** Standard: 1 Rep: 1 Seq: 0 14:54:05 13 Mar 2001 HG

Hg .000 ppb 618

*** Standard: 2 Rep: 1 Seq: 1 14:55:50 13 Mar 2001 HG

Hg .200 ppb 8721

*** Standard: 3 Rep: 1 Seq: 2 14:57:34 13 Mar 2001 HG

Hg .500 ppb 22690

*** Standard: 4 Rep: 1 Seq: 3 14:59:28 13 Mar 2001 HG

Hg 1.00 ppb 42346

*** Standard: 5 Rep: 1 Seq: 4 15:01:14 13 Mar 2001 HG

Hg 5.00 ppb 209971

BOE-C6-0007014

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 6 Rep: 1 Seq: 5 15:02:57 13 Mar 2001 HG

Hg	10.0	ppb	409401					

RunProt: HG-A | Err: hardware inoperable | Mode: Analyze

RunFold: HG10213B Seq: 6 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

Rev: 4.2 15:03:07 13 Mar 2001 Xmit: Off Gas: 0.70 LPM

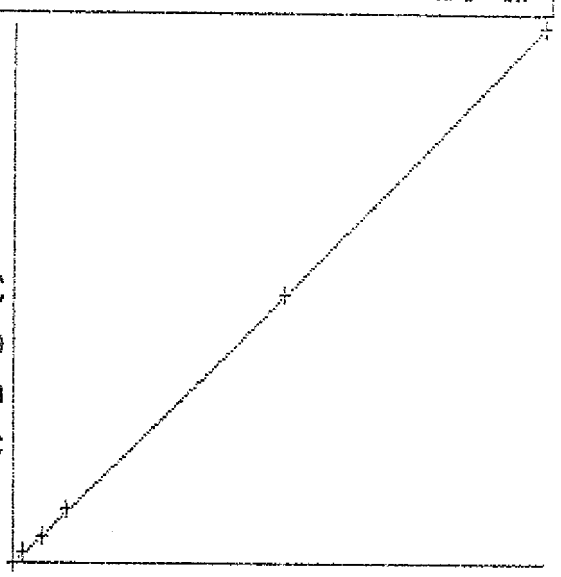
Idle None User: JGA A/S: On

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted liNear	
S1	.000	.003	.003	->quadratic	
S2	.200	.192	-.008	Wtdlinear	
S3	.500	.523	.023		C
S4	1.00	.980	-.020	Accept	o
S5	5.00	5.00	.003		n
S6	10.0	10.0	-.001		c

A 2.8516e-12 r .999994

B 2.32847e-5 C -1.14770e-2



Relative Absorbance

	Mean		SD	
S1	618	0	SD	618
S2	8721	0	%RSD	8721
S3	22890	0	%RSD	22890
S4	42346	0	%RSD	42346
S5	209971	0	%RSD	209971
S6	409401	0	%RSD	409401

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV					Seq: 6	15:05:44 13 Mar 2001 HG		
Hg	2.52	ppb	.000	2.52				
*** Sample ID: ICB					Seq: 7	15:07:22 13 Mar 2001 HG		
Hg	-.009	ppb	.000	-.009				
*** Sample ID: DW8JMB					Seq: 8	15:08:59 13 Mar 2001 HG		
Hg	-.001	ppb	.000	-.001				
*** Sample ID: DW8JMC					Seq: 9	15:10:44 13 Mar 2001 HG		
Hg	4.99	ppb	.000	4.99				
*** Sample ID: DW7TV					Seq: 10	15:12:22 13 Mar 2001 HG		
Hg	.381	ppb	.000	.381				
*** Sample ID: DW7T4					Seq: 11	15:14:04 13 Mar 2001 HG		
Hg	.269	ppb	.000	.269				
*** Sample ID: DW7T7					Seq: 12	15:15:42 13 Mar 2001 HG		
Hg	.184	ppb	.000	.184				
*** Sample ID: DW7VC					Seq: 13	15:17:21 13 Mar 2001 HG		
Hg	.370	ppb	.000	.370				
*** Sample ID: DW7VD					Seq: 14	15:19:11 13 Mar 2001 HG		
Hg	.156	ppb	.000	.156				
*** Sample ID: DW7VF					Seq: 15	15:20:50 13 Mar 2001 HG		
Hg	.096	ppb	.000	.096				
*** Sample ID: DW70X					Seq: 16	15:22:39 13 Mar 2001 HG		
Hg	.359	ppb	.000	.359				
*** Sample ID: DW718					Seq: 17	15:24:38 13 Mar 2001 HG		
Hg	.373	ppb	.000	.373				

BOE-C6-0007017

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV					Seq: 18	15:26:17 13 Mar 2001 HG		
Hg	4.86	ppb	.000	4.86				
*** Sample ID: CCB					Seq: 19	15:27:57 13 Mar 2001 HG		
Hg	-.023	ppb	.000	-.023				
*** Sample ID: DW72D					Seq: 20	15:29:46 13 Mar 2001 HG		
Hg	.356	ppb	.000	.356				
*** Sample ID: DW650					Seq: 21	15:31:28 13 Mar 2001 HG		
Hg	8.51	ppb	.000	8.51				
*** Sample ID: DW650S					Seq: 22	15:33:07 13 Mar 2001 HG		
Hg	2.94	ppb	.000	2.94				
*** Sample ID: DW650D					Seq: 23	15:34:57 13 Mar 2001 HG		
Hg	2.58	ppb	.000	2.58				
*** Sample ID: CCV					Seq: 24	15:36:45 13 Mar 2001 HG		
Hg	4.88	ppb	.000	4.88				
*** Sample ID: CCB					Seq: 25	15:38:29 13 Mar 2001 HG		
Hg	-.016	ppb	.000	-.016				
*** Sample ID: DW650					Seq: 26	15:49:54 13 Mar 2001 HG		
Hg	8.44	ppb	.000	8.44				
*** Sample ID: DW650S					Seq: 27	15:51:53 13 Mar 2001 HG		
Hg	2.96	ppb	.000	2.96				
*** Sample ID: DW650D					Seq: 28	15:53:34 13 Mar 2001 HG		
Hg	2.58	ppb	.000	2.58				
*** Sample ID: CCV					Seq: 29	15:55:23 13 Mar 2001 HG		
Hg	4.85	ppb	.000	4.85				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCB Seq: 30 15:57:04 13 Mar 2001 HG

Hg	-.025	ppb	.000	-.025

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 3/10/01
Time: 12:11:16

BATCH NUMBER: **1069113**

PREP DATE: 3/10/01
DUE DATE 3/15/01

COMP DATE: 3/10/01
INITIALS: [illegible]

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E1C090309	DW7TV	01	g	X 0.60 g	g	g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7T4	01	g	X 0.60 g	g	g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7T7	01	g	X 0.61 g	g	g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7VC	01	g	X 0.59 g	g	g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7VD	01	g	X 0.61 g	g	g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7VF	01	g	X 0.60 g	g	g
SOLID	TO DUE DATE:		3/15/01			
E1C090323	DW70X	01	g	X 0.59 g	g	g
SOLID	TO DUE DATE:		3/15/01			
E1C090323	DW718	01	g	X 0.61 g	g	g
SOLID	TO DUE DATE:		3/15/01			
E1C090323	DW72D	01	g	X 0.61 g	g	g
SOLID	TO DUE DATE:		3/15/01			
E1C090238	DW650	01	g	X 0.60 g	g	g
SOLID	TO DUE DATE:		3/23/01			
	DW650S		g	0.60 g	g	g
	DW650D		g	0.60 g	g	g
E1C100000	DW8JMB	01	g	X 0.60 g	g	g
SOLID	DUE DATE:		0/00/00			
	DW8JMC		g	0.62 g	g	g

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 3/10/01
Time: 12:11:16

BATCH NUMBER: **1069113**

PREP DATE: 3/10/01
DUE DATE 3/15/01

COMP DATE: 3/10/01
INITIALS: [illegible]

LEVEL 2

BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS	_____	_____	____	____	____

SEVERN TRENT SERVICES

STL LOS ANGELES
Metals Preparation Work Sheet

Batch: 1069113
The following information applies to all samples associated with the above batch number.

Prepared By: [signature] Date/Time Initiated: 3/13/01 / 1300
Reviewed By: [signature] Date/Time Completed: 3/13/01 / 1330

Water Bath # 3 Temp* 95 °C Thermometer # B-Q024
*Thermometer correction applied. (CF + 0.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A05
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	987115
$K_2S_2O_8$	8.0 mL	997008

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+	6.0 mL	995700+
NaCl		986411
$SnCl_2$ +	Controlled by	005668+
HCl	instrument	5587 T24A01

SOP No. SANA-MT-0009, Revision 0

Method 7471A/245.5
Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch
To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____
Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:
Relinquished By: [signature] Date: 3/13/01 Received By: [signature] Date: 3/13/01

\\QANACA01\sanaqa\FORMS\Bench Sheets\METALS_prep.doc
01/05/01

STL Los Angeles
ICAP Data Summary Cover Sheet

Instrument ID: ICPT - M01 Analyst: lcm
Analytical Date: 03/13/01

Analysis by SOP: 6010B - 200.7 - CORP-MT-0001 Rev 2 ✓

Data File: 903130 1

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
1068214	EIC 080299	lcm 03/14/01		L3
1069112	EIC 090309			L3
	EIC 090319			L3
	EIC 090323			L3
	EIC 090238			
1069119	EIC 090214			
	EIC 090238			

Standards

Calibration Stds:	**Lot #**	**Calibration Check Stds:**	**Lot #**
1. Blank	030201-T1	ICV	030801-T4
2. STD1	030201-T2	CCV	030201-T5
3.		ICSA	030201-T7
4.		ICSAB 4.0	030801-T8
5.		5.	
6.		6.	

Notes/Comments:

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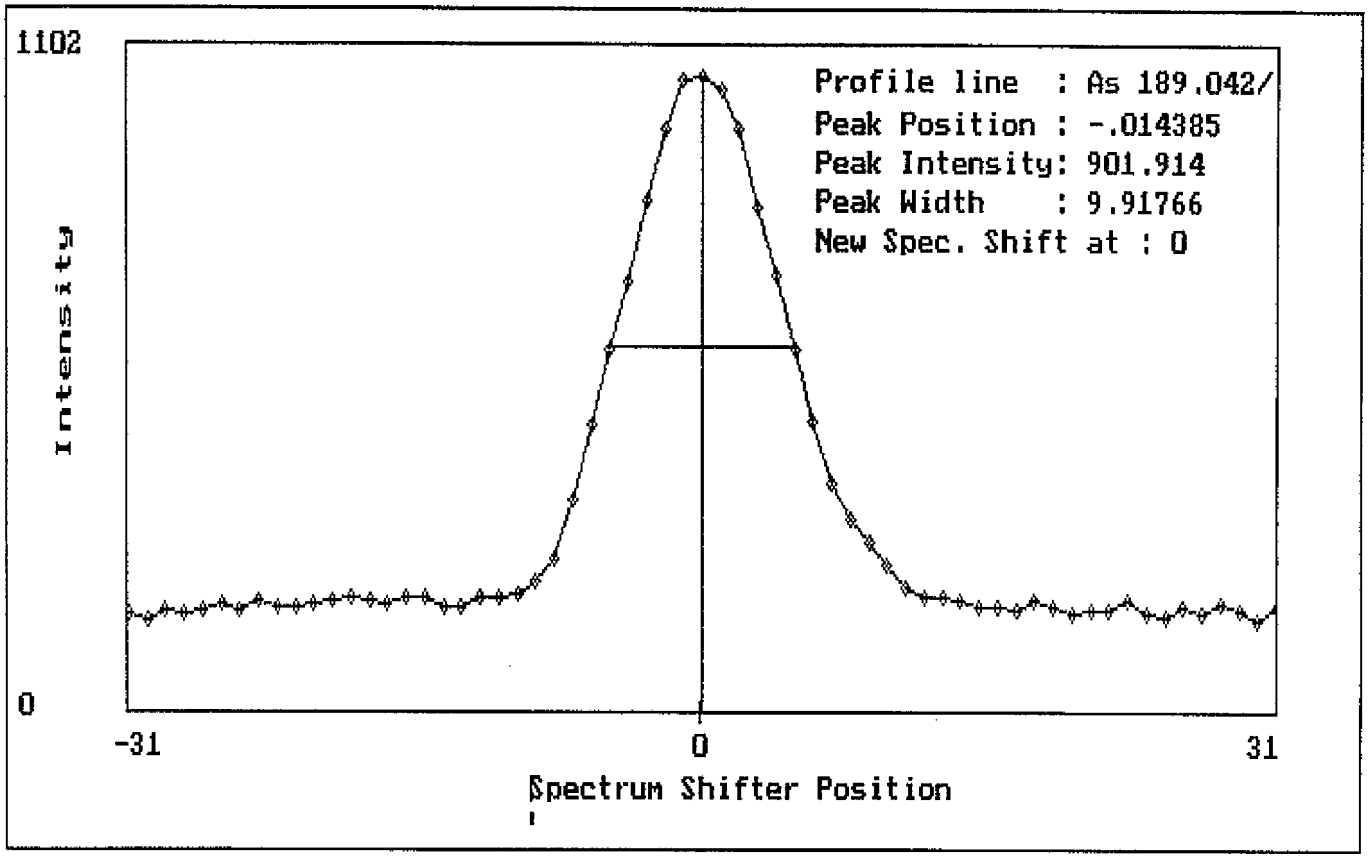
02/21/01

BOE-C6-0007023

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P031301	QTESTNAK	03/13/01	14:53		X	IR
2	STD1	P031301	QTESTNAK	03/13/01	15:00		X	IR
3	ICVHP	P031301	QTESTNAK	03/13/01	15:08	KT	S	CONC
4	ICB	P031301	QTESTNAK	03/13/01	15:16	KT	S	CONC
5	ICSA	P031301	QTESTNAK	03/13/01	15:22	KT	S	CONC
6	ICSAB 4.0	P031301	QTESTNAK	03/13/01	15:28	KT	S	CONC
7	DW6KFB-1068214	P031301	QTESTNAK	03/13/01	15:37	KT	S	CONC
8	DW6KFC	P031301	QTESTNAK	03/13/01	15:43	KT	S	CONC
9	DW5Q4	P031301	QTESTNAK	03/13/01	15:51	KT	S	CONC
10	DW5Q4P	P031301	QTESTNAK	03/13/01	15:58	KT	S	CONC
11	DW5Q4S	P031301	QTESTNAK	03/13/01	16:04	KT	S	CONC
12	DW5Q4D	P031301	QTESTNAK	03/13/01	16:14	KT	S	CONC
13	DW5Q5	P031301	QTESTNAK	03/13/01	16:23	KT	S	CONC
14	DW5Q9	P031301	QTESTNAK	03/13/01	16:29	KT	S	CONC
15	CCVT	P031301	QTESTNAK	03/13/01	16:35	KT	S	CONC
16	CCBT	P031301	QTESTNAK	03/13/01	16:43	KT	Q	CONC
17	DW5RC	P031301	QTESTNAK	03/13/01	16:49	KT	S	CONC
18	DW5RJ	P031301	QTESTNAK	03/13/01	16:56	KT	S	CONC
19	DW5RL	P031301	QTESTNAK	03/13/01	17:02	KT	S	CONC
20	DW5RM	P031301	QTESTNAK	03/13/01	17:08	KT	S	CONC
21	DW5TA	P031301	QTESTNAK	03/13/01	17:14	KT	S	CONC
22	DW5TC	P031301	QTESTNAK	03/13/01	17:21	KT	S	CONC
23	CCVT	P031301	QTESTNAK	03/13/01	17:27	KT	S	CONC
24	CCBT	P031301	QTESTNAK	03/13/01	17:35	KT	Q	CONC
25	DW8JGB-1069112	P031301	QTESTNAK	03/13/01	17:41	KT	S	CONC
26	DW8JGC	P031301	QTESTNAK	03/13/01	17:48	KT	S	CONC
27	DW7TV	P031301	QTESTNAK	03/13/01	17:56	KT	S	CONC
28	DW7T4	P031301	QTESTNAK	03/13/01	18:04	KT	S	CONC
29	DW7T7	P031301	QTESTNAK	03/13/01	18:13	KT	S	CONC
30	DW7VC	P031301	QTESTNAK	03/13/01	18:21	KT	S	CONC
31	DW7VD	P031301	QTESTNAK	03/13/01	18:29	KT	S	CONC
32	DW7VF	P031301	QTESTNAK	03/13/01	18:38	KT	S	CONC
33	DW7X7 10X	P031301	QTESTNAK	03/13/01	18:46	KT	S	CONC
34	DW70X	P031301	QTESTNAK	03/13/01	18:54	KT	S	CONC
35	CCVT	P031301	QTESTNAK	03/13/01	19:03	KT	S	CONC
36	CCBT	P031301	QTESTNAK	03/13/01	19:11	KT	Q	CONC
37	DW718	P031301	QTESTNAK	03/13/01	19:17	KT	S	CONC
38	DW72D ref	P031301	QTESTNAK	03/13/01	19:23	KT	S	CONC
39	DW650	P031301	QTESTNAK	03/13/01	19:30	KT	S	CONC
40	DW650S	P031301	QTESTNAK	03/13/01	19:50	KT	S	CONC
41	DW650D	P031301	QTESTNAK	03/13/01	19:59	KT	S	CONC
42	DW650P	P031301	QTESTNAK	03/13/01	20:06	KT	S	CONC
43	DW72D	P031301	QTESTNAK	03/13/01	20:14	KT	S	CONC
44	CCVT	P031301	QTESTNAK	03/13/01	20:20	KT	S	CONC
45	CCBT.	P031301	QTESTNAK	03/13/01	20:31	KT	Q	CONC
46	DW8JTB-1069119	P031301	QTESTNAK	03/13/01	20:37	KT	S	CONC
47	DW8JTC	P031301	QTESTNAK	03/13/01	20:43	KT	S	CONC
48	DW6WHF	P031301	QTESTNAK	03/13/01	20:52	KT	S	CONC
49	DW6WNF	P031301	QTESTNAK	03/13/01	21:00	KT	S	CONC
50	DW6WWF	P031301	QTESTNAK	03/13/01	21:08	KT	S	CONC
51	DW640	P031301	QTESTNAK	03/13/01	21:17	KT	S	CONC
52	DW640P	P031301	QTESTNAK	03/13/01	21:25	KT	S	CONC
53	DW640S	P031301	QTESTNAK	03/13/01	21:33	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	DW640D	P031301	QTESTNAK	03/13/01	21:44	KT	S	CONC
55	DW65L	P031301	QTESTNAK	03/13/01	21:54	KT	S	CONC
56	CCVT	P031301	QTESTNAK	03/13/01	22:03	KT	S	CONC
57	CCBT.	P031301	QTESTNAK	03/13/01	22:11	KT	Q	CONC


1102
Intensity
0
-31
0
31
Spectrum Shifter Position
Profile line : As 189.042/
Peak Position : -.014385
Peak Intensity: 901.914
Peak Width : 9.91766
New Spec. Shift at : 0

03/13/01

Method: QTESTNAK Standard: STDBLK
Run Time: 03/13/01 14:53:24

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	-.08886	-.04226	.00000	-.00057	.03641	.00415	.00528
SDev	.00023	.00055	.00000	.00027	.00078	.00000	.00107
%RSD	.25756	1.3054	.00000	47.102	2.1556	.04269	20.245
#1	-.08870	-.04265	.00000	-.00038	.03586	.00415	.00604
#2	-.08902	-.04187	.00000	-.00075	.03697	.00415	.00453

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	.00019	.01585	-.00189	.00132	.00038	.00019	.00057
SDev	.00027	.00001	.00000	.00080	.00000	.00027	.00027
%RSD	141.42	.04269	.04269	60.644	.04269	141.42	47.102
#1	.00000	.01585	-.00189	.00189	.00038	.00000	.00038
#2	.00038	.01584	-.00189	.00075	.00038	.00038	.00075

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	.00038	.01604	-.04868	-.00151	.00000	.00075	-.00075
SDev	.00053	.00187	.00642	.00053	.00000	.00000	.00053
%RSD	141.42	11.689	13.198	35.395	.00000	.04269	70.743
#1	.00075	.01736	-.05322	-.00189	.00000	.00075	-.00113
#2	.00000	.01471	-.04413	-.00113	.00000	.00075	-.00038

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.01490	.00264	.01198	-.00585	-.01132	.01056	.0000
SDev	.00241	.00267	.00387	.00080	.00106	.00053	.0000
%RSD	16.153	101.04	32.334	13.644	9.3856	5.0081	.0000
#1	-.01661	.00453	.01472	-.00528	-.01057	.01019	.0000
#2	-.01320	.00075	.00924	-.00641	-.01207	.01094	.0000

Elem	Sr4215	Si2881
Avge	.0000	.0994
SDev	.0000	.0008
%RSD	.0000	.8477
#1	.0000	.1000
#2	.0000	.0988

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5301	--	--	--	--	--	--
SDev	2.262880	--	--	--	--	--	--
%RSD	.0426917	--	--	--	--	--	--
#1	5299	--	--	--	--	--	--
#2	5302	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
Run Time: 03/13/01 15:00:01

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	21.165	5.0252	4.8260	12.153	35.421	4.6589	15.062
SDev	.051	.0145	.0046	.034	.092	.0075	.017
%RSD	.24128	.28779	.09492	.27777	.26084	.16158	.11371
#1	21.201	5.0150	4.8292	12.129	35.356	4.6536	15.050
#2	21.129	5.0354	4.8227	12.177	35.487	4.6642	15.074

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	2.2916	4.4353	6.1871	37.390	6.6362	1.0081	2.3637
SDev	.0036	.0065	.0097	.027	.0078	.0141	.0051
%RSD	.15858	.14740	.15638	.07172	.11783	1.4026	.21716
#1	2.2891	4.4399	6.1802	37.409	6.6307	.99815	2.3600
#2	2.2942	4.4306	6.1939	37.371	6.6417	1.0181	2.3673

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	8.9377	4.4370	5.6949	3.3580	3.1488	2.2690	.40756
SDev	.0014	.0128	.0074	.0033	.0011	.0018	.00109
%RSD	.01606	.28936	.12947	.09774	.03491	.07767	.26706
#1	8.9387	4.4461	5.6897	3.3557	3.1480	2.2677	.40833
#2	8.9367	4.4279	5.7001	3.3603	3.1496	2.2702	.40679

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	2.5743	1.2235	10.555	4.1987	.67456	.80467	1.216
SDev	.0019	.0022	.043	.0028	.00190	.00270	.003
%RSD	.07225	.17750	.40872	.06619	.28106	.33599	.2505
#1	2.5756	1.2250	10.585	4.2006	.67590	.80658	1.214
#2	2.5730	1.2219	10.524	4.1967	.67322	.80276	1.218

Elem	Sr4215	Si2881
Avge	7.492	2.308
SDev	.006	.001
%RSD	.0829	.0338
#1	7.496	2.308
#2	7.487	2.307

BOE-C6-0007029

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5165	--	--	--	--	--	--
SDev	10.32348	--	--	--	--	--	--
%RSD	.1998792	--	--	--	--	--	--
#1	5158	--	--	--	--	--	--
#2	5172	--	--	--	--	--	--

Method: QTESTNAK Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Pb2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	2.35771	.209504	03/13/01 03:00:01
As1890	189.042	STD1	STDBLK	.197678	.008354	03/13/01 03:00:01
Ba4934	493.409	STD1	STDBLK	.828847	.000000	03/13/01 03:00:01
Be3130	313.042	STD1	STDBLK	.329241	.000186	03/13/01 03:00:01
Cd_tr	226.502	STD1	STDBLK	.028541	-.001039	03/13/01 03:00:01
Ca3179	317.933	STD1	STDBLK	42.9713	-.178354	03/13/01 03:00:01
Cr_tr	267.716	STD1	STDBLK	.265712	-.001404	03/13/01 03:00:01
Co2286	228.616	STD1	STDBLK	1.75021	-.000330	03/13/01 03:00:01
Cu3247	324.753	STD1	STDBLK	.904852	-.014340	03/13/01 03:00:01
Fe2714	271.441	STD1	STDBLK	8.14025	.015357	03/13/01 03:00:01
Mg2790	279.078	STD1	STDBLK	5.34607	-.007061	03/13/01 03:00:01
Mn2576	257.610	STD1	STDBLK	.602790	-.000227	03/13/01 03:00:01
Mo2020	202.030	STD1	STDBLK	3.96342	-.000748	03/13/01 03:00:01
Ni2316	231.604	STD1	STDBLK	1.69270	-.000958	03/13/01 03:00:01
Ag_tr	328.068	STD1	STDBLK	.223928	-.000085	03/13/01 03:00:01
Na3302	330.232	STD1	STDBLK	.865715	-.002120	03/13/01 03:00:01
Tl1908	190.864	STD1	STDBLK	.349074	.016991	03/13/01 03:00:01
Ti3349	334.941	STD1	STDBLK	1.19092	.001798	03/13/01 03:00:01
V_2924	292.402	STD1	STDBLK	1.27081	.000000	03/13/01 03:00:01
Zn2138	213.856	STD1	STDBLK	1.77410	-.001339	03/13/01 03:00:01
Sn1899	189.989	STD1	STDBLK	9.80442	.007400	03/13/01 03:00:01
2068_1	206.831	STD1	STDBLK	.373085	.005561	03/13/01 03:00:01
2068_2	206.832	STD1	STDBLK	.809814	-.002139	03/13/01 03:00:01
2203_1	220.351	STD1	STDBLK	.096408	-.001155	03/13/01 03:00:01
2203_2	220.352	STD1	STDBLK	.235466	.001377	03/13/01 03:00:01
1960_1	196.021	STD1	STDBLK	1.46388	.016570	03/13/01 03:00:01
1960_2	196.022	STD1	STDBLK	1.22830	-.012977	03/13/01 03:00:01
B_2496	249.678	STD1	STDBLK	3.29633	.000000	03/13/01 03:00:01
Sr4215	421.552	STD1	STDBLK	.533918	.000000	03/13/01 03:00:01
Si2881	288.158	STD1	STDBLK	1.81120	-.180077	03/13/01 03:00:01

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 03/13/01 15:08:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0062	.98736	.99464	9.8028	.99263	1.0152	1.0606
SDev	.0003	.00210	.00263	.0383	.00461	.0026	.0004
%RSD	.02569	.21260	.26416	.39032	.46431	.25544	.04063
#1	1.0064	.98885	.99278	9.8298	.99589	1.0170	1.0603
#2	1.0061	.98588	.99650	9.7757	.98937	1.0133	1.0609
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	11.000	1.1000	1.1000	1.1000
Low	.90000	.90000	.90000	9.0000	.90000	.90000	.90000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0221	42.317	1.0495	1.0279	.97075	10.480	39.360
SDev	.0004	.024	.0011	.0009	.00418	.001	.095
%RSD	.04122	.05579	.10190	.09246	.43074	.00945	.24192
#1	1.0224	42.334	1.0503	1.0285	.97370	10.479	39.427
#2	1.0218	42.300	1.0488	1.0272	.96779	10.481	39.293
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	44.000	1.1000	1.1000	1.1000	11.000	44.000
Low	.90000	36.000	.90000	.90000	.90000	9.0000	36.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0628	1.0143	1.0338	.39685	37.653	5.1385	1.0493
SDev	.0011	.0107	.0000	.00083	.173	.0009	.0018
%RSD	.10793	1.0528	.00137	.21024	.46065	.01825	.16783
#1	1.0636	1.0067	1.0338	.39744	37.776	5.1379	1.0505
#2	1.0620	1.0218	1.0338	.39626	37.531	5.1392	1.0480
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	.44000		5.5000	1.1000
Low	.90000	.90000	.90000	.36000		4.5000	.90000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0330	1.0390	.97978	.99489	.99413	1.0047	1.0070
SDev	.0003	.0010	.00384	.00325	.00138	.0074	.0033
%RSD	.03057	.09255	.39190	.32658	.13905	.73236	.32631
#1	1.0332	1.0397	.97706	.99259	.99315	1.0099	1.0047
#2	1.0328	1.0383	.98250	.99719	.99511	.99952	1.0093
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.1000	1.1000	1.1000				
Low	.90000	.90000	.90000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.98475	.98867	.9874	1.033	L.8985
SDev	.00373	.00128	.0004	.003	.0053
%RSD	.37895	.12988	.0446	.2496	.5842
#1	.98739	.98957	.9877	1.035	.9022
#2	.98211	.98776	.9871	1.031	L.8948
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	LC Low
High			1.100		1.100
Low			.9000		.9000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5390	--	--	--	--	--	--
SDev	7.014444	--	--	--	--	--	--
%RSD	.1301333	--	--	--	--	--	--
#1	5395	--	--	--	--	--	--
#2	5385	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 03/13/01 15:16:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00137	-.00212	.00065	-.01949	.00153	.00031	.00000
SDev	.00007	.00043	.00350	.00262	.00077	.00000	.00009
%RSD	5.2886	20.166	541.66	13.437	50.418	.06789	2121.7
#1	.00143	-.00242	-.00183	-.01764	.00098	.00031	-.00006
#2	.00132	-.00182	.00313	-.02134	.00207	.00031	.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	-.00381	-.00013	-.00033	-.00014	.00034	-.00208
SDev	.00014	.00012	.00028	.00000	.00023	.00426	.00138
%RSD	111.57	3.1040	218.14	.04254	161.75	1243.5	66.567
#1	.00022	-.00389	.00007	-.00033	.00002	.00336	-.00305
#2	.00003	-.00373	-.00032	-.00033	-.00030	-.00267	-.00110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00291	-.00002	-.00000	.12851	.00662	.00004
SDev	.00000	.00103	.00044	.00070	.14361	.00284	.00000
%RSD	3.1106	35.480	2151.3	33054.	111.75	42.836	2.9400
#1	-.00000	.00364	.00029	.00049	.23006	.00863	.00004
#2	-.00000	.00218	-.00033	-.00050	.02697	.00462	.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00024	.00128	.00016	.00068	.00058	.00294	.00059
SDev	.00033	.00001	.00511	.00441	.00169	.00268	.00123
%RSD	140.34	.41554	3174.2	646.43	292.82	91.159	206.58
#1	.00000	.00128	-.00346	-.00244	-.00062	.00483	-.00027
#2	.00047	.00128	.00378	.00380	.00177	.00104	.00146
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00127	-.00255	.0000	.0002	<.0000
SDev	.00001	.00065	.0000	.0000	.0013
%RSD	.94683	25.416	.0425	.0679	33.77
#1	-.00126	-.00300	.0000	.0002	<.0000
#2	-.00128	-.00209	.0000	.0002	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5416	--	--	--	--	--	--
SDev	3.676748	--	--	--	--	--	--
%RSD	.0678843	--	--	--	--	--	--
#1	5419	--	--	--	--	--	--
#2	5414	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 03/13/01 15:22:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00296	-.00596	.00003	489.18	.00134	.00083	.00019
SDev	.00086	.00297	.00156	.34	.00313	.00023	.00000
%RSD	29.174	49.876	5360.2	.07036	234.24	28.046	.02760
#1	-.00358	-.00807	-.00107	489.42	-.00088	.00100	.00019
#2	-.00235	-.00386	.00113	488.93	.00355	.00067	.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.01000	.06000	600.00	.02000	.02000	.01000
Low	-.01000	-.01000	-.06000	400.00	-.02000	-.02000	-.01000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00205	481.64	-.00328	-.00002	.00644	200.94	489.10
SDev	.00063	1.03	.00089	.00000	.00004	.22	.40
%RSD	30.599	.21372	27.236	16.031	.63953	.11112	.08130
#1	-.00161	480.91	-.00265	-.00002	.00641	200.78	488.82
#2	-.00249	482.36	-.00391	-.00002	.00647	201.10	489.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	600.00	.02000	.05000	.02500	240.00	600.00
Low	-.01000	400.00	-.02000	-.05000	-.02500	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00181	.00118	.00109	-.00049	.08843	.00389	-.00108
SDev	.00018	.00111	.00001	.00032	.07647	.00099	.00001
%RSD	9.7245	93.770	.46609	64.894	86.471	25.501	.64211
#1	-.00168	.00040	.00108	-.00071	.03436	.00459	-.00108
#2	-.00193	.00196	.00109	-.00027	.14250	.00319	-.00109
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.02000	5.0000	.02000	.05000
Low	-.01500	-.04000	-.04000	-.02000	-5.0000	-.02000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00032	.00756	.00076	-.00242	.00494	-.00480	-.00205
SDev	.00001	.00044	.00278	.00163	.00143	.00248	.00006
%RSD	2.9249	5.8629	364.99	67.191	28.865	51.729	2.7355
#1	.00031	.00788	.00273	-.00357	.00393	-.00656	-.00209
#2	.00033	.00725	-.00120	-.00127	.00595	-.00305	-.00201
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.02017	.00113	.0020	.0172	.0123
SDev	.00285	.00304	.0009	.0000	.0011
%RSD	14.127	269.40	46.92	.2479	8.743
#1	-.02218	-.00102	.0027	.0172	.0130
#2	-.01815	.00327	.0013	.0172	.0115
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4963	--	--	--	--	--	--
SDev	12.30359	--	--	--	--	--	--
%RSD	.2479213	--	--	--	--	--	--
#1	4971	--	--	--	--	--	--
#2	4954	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSAB 4.0 Operator: KT
Run Time: 03/13/01 15:28:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04872	.04508	.62580	494.40	.10729	.51262	.51920
SDev	.00106	.00608	.00233	.80	.00154	.00039	.00071
%RSD	2.1703	13.495	.37227	.16175	1.4348	.07645	.13699
#1	.04797	.04938	.62745	494.96	.10838	.51290	.51970
#2	.04947	.04078	.62415	493.83	.10621	.51235	.51870
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.06000	.72000	600.00	.12000	.60000	.60000
Low	.04000	.04000	.48000	400.00	.08000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97548	482.77	.49804	.50645	.55474	201.14	492.31
SDev	.00234	.90	.00096	.00032	.00019	.43	.74
%RSD	.24039	.18729	.19334	.06373	.03396	.21508	.15110
#1	.97713	483.40	.49872	.50622	.55488	201.44	492.83
#2	.97382	482.13	.49736	.50668	.55461	200.83	491.78
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	600.00	.60000	.60000	.60000	240.00	600.00
Low	.80000	400.00	.40000	.40000	.40000	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51170	1.0121	.99488	.21597	H12.895	.10621	-.00096
SDev	.00020	.0199	.00229	.00026	.068	.00271	.00034
%RSD	.03874	1.9628	.22981	.12162	.52425	2.5485	35.531
#1	.51184	.99808	.99649	.21578	H12.943	.10430	-.00072
#2	.51156	1.0262	.99326	.21616	H12.847	.10813	-.00121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	.24000	12.000	.12000	.10000
Low	.40000	.80000	.80000	.16000	8.0000	.08000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49562	1.0657	-.00326	.62439	.62862	.04505	.05055
SDev	.00148	.0018	.00840	.00296	.00106	.00164	.00241
%RSD	.29928	.16813	257.33	.47478	.16832	3.6445	4.7576
#1	.49666	1.0670	.00267	.62649	.62936	.04621	.04885
#2	.49457	1.0645	-.00920	.62230	.62787	.04389	.05225
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	1.2000	.20000				
Low	.40000	.80000	-.20000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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Units			ppm	ppm	ppm
Avge	.03296	.05113	.0030	.0169	.0245
SDev	.00375	.00725	.0000	.0000	.0012
%RSD	11.374	14.178	.0620	.0624	4.749
#1	.03562	.05626	.0030	.0169	.0237
#2	.03031	.04600	.0030	.0169	.0254
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.4000	.1000	1.000
Low			-.4000	-.1000	-1.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4940	--	--	--	--	--	--
SDev	3.082889	--	--	--	--	--	--
%RSD	.0624125	--	--	--	--	--	--
#1	4942	--	--	--	--	--	--
#2	4937	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW6KFB-1068214 Operator: KT
Run Time: 03/13/01 15:37:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00147	-.00236	.00097	-.01380	.00248	.00000	.00006
SDev	.00011	.00031	.00099	.00180	.00212	.00000	.00000
%RSD	7.4497	13.254	102.46	13.026	85.482	.00000	.18679
#1	.00139	-.00214	.00027	-.01253	.00098	.00000	.00006
#2	.00154	-.00258	.00167	-.01508	.00398	.00000	.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00040	.03160	.00059	-.00066	-.00006	.02151	.01609
SDev	.00006	.00068	.00015	.00047	.00005	.00426	.00718
%RSD	14.688	2.1500	24.850	70.742	81.975	19.812	44.609
#1	.00044	.03208	.00070	-.00099	-.00002	.01850	.02117
#2	.00036	.03112	.00049	-.00033	-.00009	.02453	.01102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	.00223	-.00064	.00017	.33694	.00014	-.00044
SDev	.00000	.00001	.00045	.00000	.02789	.00144	.00001
%RSD	.64995	.41241	70.064	.54992	8.2760	1000.2	1.6518
#1	.00023	.00224	-.00096	.00017	.31722	-.00088	-.00045
#2	.00022	.00223	-.00032	.00017	.35665	.00116	-.00044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00000	.00199	-.00365	.00175	-.00060	.00298	.00071
SDev	.00068	.00001	.00518	.00256	.00216	.00181	.00106
%RSD	230090.	.66455	141.93	146.48	360.09	60.503	150.38
#1	-.00048	.00200	.00001	-.00006	.00093	.00426	-.00004
#2	.00048	.00198	-.00731	.00356	-.00212	.00171	.00146
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00654	-.00027	<.0000	.0000	.0207
SDev	.00241	.00167	.0018	.0000	.0006
%RSD	36.825	615.53	141.5	.0000	3.135
#1	-.00824	.00091	<.0000	.0000	.0212
#2	-.00484	-.00145	.0000	.0000	.0203
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5322	--	--	--	--	--	--
SDev	17.22502	--	--	--	--	--	--
%RSD	.3236874	--	--	--	--	--	--
#1	5309	--	--	--	--	--	--
#2	5334	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW6KFC Operator: KT
Run Time: 03/13/01 15:43:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47963	1.8103	.48533	1.6967	1.8989	2.0489	.05324
SDev	.00498	.0130	.00246	.0220	.0147	.0187	.00050
%RSD	1.0389	.72048	.50673	1.2985	.77315	.91349	.94143
#1	.47611	1.8010	.48359	1.6811	1.8885	2.0356	.05289
#2	.48315	1.8195	.48706	1.7122	1.9092	2.0621	.05360
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.3000	.57500	2.4000	2.3000	2.4000	.06000
Low	.40000	1.4000	.37500	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05235	L.01251	.21602	.52547	.24628	1.0477	L-.00360
SDev	.00038	.00180	.00254	.00451	.00222	.0162	.00548
%RSD	.73337	14.421	1.1777	.85855	.90358	1.5427	152.07
#1	.05208	L.01123	.21422	.52228	.24471	1.0362	L.00027
#2	.05262	L.01378	.21782	.52866	.24785	1.0591	L-.00748
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.17000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.53301	1.0037	.51051	.04895	.57992	1.8879	L-.00002
SDev	.00536	.0147	.00572	.00070	.08545	.0251	.00002
%RSD	1.0050	1.4636	1.1209	1.4262	14.735	1.3279	108.79
#1	.52922	.99335	.50646	.04846	.64035	1.8701	L-.00000
#2	.53679	1.0141	.51456	.04945	.51950	1.9056	L-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.5000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51501	.50511	.00191	.48598	.48401	.48242	.47824
SDev	.00620	.00525	.00252	.00233	.00272	.00038	.00766
%RSD	1.2046	1.0385	132.04	.47895	.56261	.07939	1.6021
#1	.51062	.50140	.00013	.48433	.48209	.48269	.47282
#2	.51939	.50882	.00369	.48763	.48594	.48215	.48366
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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Units			ppm	ppm	ppm
Avge	1.8053	1.8127	L.0063	L.0000	.0878
SDev	.0085	.0153	.0001	.0000	.0006
%RSD	.46893	.84555	.9599	.0000	.7211
#1	1.7993	1.8019	L.0062	L.0000	.0874
#2	1.8113	1.8235	L.0063	L.0000	.0883
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5395	--	--	--	--	--	--
SDev	50.99662	--	--	--	--	--	--
%RSD	.9453028	--	--	--	--	--	--
#1	5431	--	--	--	--	--	--
#2	5359	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW5Q4 Operator: KT
Run Time: 03/13/01 15:51:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08519	L-.01203	.00695	218.41	.09201	2.1089	.00676
SDev	.00095	.00088	.00041	1.19	.00049	.0077	.00003
%RSD	1.1150	7.3438	5.9236	.54458	.53680	.36529	.48772
#1	.08586	L-.01140	.00666	219.25	.09166	2.1144	.00678
#2	.08451	L-.01265	.00724	217.57	.09236	2.1035	.00673
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00396	258.36	.32355	.11923	.42590	304.64	110.30
SDev	.00051	.36	.00131	.00062	.00285	.73	.45
%RSD	12.825	.13799	.40508	.52355	.66915	.24100	.40615
#1	-.00360	258.61	.32448	.11968	.42792	305.16	110.62
#2	-.00432	258.11	.32263	.11879	.42389	304.13	109.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4549	.00403	.27468	-.00147	13.611	.01352	13.598
SDev	.0120	.00100	.00089	.00005	.047	.00477	.053
%RSD	.21940	24.748	.32456	3.6873	.34874	35.296	.39157
#1	5.4634	.00473	.27405	-.00143	13.645	.01014	13.636
#2	5.4465	.00332	.27531	-.00151	13.578	.01689	13.560
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51363	.65522	.00292	.00730	.00624	.11255	.07152
SDev	.00086	.00190	.00000	.00181	.00487	.00104	.00090
%RSD	.16824	.29066	.00811	24.868	78.021	.92435	1.2648
#1	.51424	.65657	.00292	.00858	.00280	.11329	.07216
#2	.51302	.65388	.00292	.00602	.00969	.11182	.07088
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

BOE-C6-0007044

Units			ppm	ppm	ppm
Avge	-.02626	-.00492	.0621	1.685	2.472
SDev	.00251	.00007	.0006	.006	.010
%RSD	9.5494	1.4690	.9155	.3517	.4095
#1	-.02448	-.00487	.0617	1.689	2.479
#2	-.02803	-.00497	.0625	1.681	2.465
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5336	--	--	--	--	--	--
SDev	26.16295	--	--	--	--	--	--
%RSD	.4902716	--	--	--	--	--	--
#1	5318	--	--	--	--	--	--
#2	5355	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW5Q4P Operator: KT
Run Time: 03/13/01 15:58:03
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09507	L-.01425	L.01119	214.37	L.08890	2.1811	.00689
SDev	.00701	.00724	.00867	.02	.00784	.0021	.00000
%RSD	7.3708	50.788	77.480	.00815	8.8178	.09453	.04090
#1	.09012	L-.01937	L.01731	214.36	L.09445	2.1797	.00689
#2	.10003	L-.00913	L.00506	214.38	L.08336	2.1826	.00689
Errors	LC Pass	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.01277	275.72	.33943	.12051	.41061	321.64	113.25
SDev	.00082	.41	.00444	.00001	.00022	.38	.10
%RSD	6.3989	.14769	1.3068	.00725	.05451	.11970	.08788
#1	L-.01219	275.43	.34257	.12050	.41045	321.36	113.18
#2	L-.01335	276.01	.33629	.12051	.41077	321.91	113.32
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7660	L.00642	.27966	L-.00095	13.812	L.02542	14.253
SDev	.0097	.01050	.00212	.00119	.238	.01623	.025
%RSD	.16901	163.48	.75875	124.88	1.7248	63.871	.17719
#1	5.7592	L.01384	.28116	L-.00011	13.980	L.03690	14.235
#2	5.7729	L-.00100	.27816	L-.00179	13.643	L.01394	14.271
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.53054	.67582	L.01169	.02009	-.00666	.11888	.08319
SDev	.00148	.00030	.03907	.00920	.00759	.00604	.00749
%RSD	.27827	.04400	334.24	45.807	114.02	5.0802	9.0050
#1	.53158	.67561	L.03932	.02660	-.00129	.11461	.07789
#2	.52949	.67603	L-.01594	.01358	-.01202	.12315	.08849
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.03539	-.00370	.0617	1.754	2.567
SDev	.00189	.00991	.0000	.001	.006
%RSD	5.3470	268.03	.0442	.0845	.2215
#1	-.03673	-.01070	.0616	1.753	2.571
#2	-.03405	.00331	.0617	1.755	2.563
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5326	--	--	--	--	--	--
SDev	2.347815	--	--	--	--	--	--
%RSD	.0440833	--	--	--	--	--	--
#1	5328	--	--	--	--	--	--
#2	5324	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW5Q4S Operator: KT
Run Time: 03/13/01 16:04:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56577	1.8257	.12756	230.03	1.9952	4.2034	.05845
SDev	.00174	.0022	.00314	.38	.0143	.0079	.00019
%RSD	.30693	.12229	2.4615	.16533	.71457	.18705	.31996
#1	.56454	1.8241	.12978	229.76	1.9852	4.1978	.05832
#2	.56700	1.8273	.12534	230.30	2.0053	4.2089	.05858
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04569	314.77	.53077	.62536	.69709	310.92	115.14
SDev	.00010	1.08	.00049	.00197	.00076	1.02	.23
%RSD	.21732	.34259	.09302	.31451	.10872	.32851	.20343
#1	.04562	314.00	.53042	.62397	.69655	310.20	114.97
#2	.04576	315.53	.53112	.62675	.69763	311.65	115.30
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.9385	.96207	.77157	.04814	13.917	1.9590	13.709
SDev	.0165	.01006	.00624	.00010	.019	.0022	.034
%RSD	.27855	1.0460	.80818	.19839	.13322	.11463	.24703
#1	5.9268	.95495	.76716	.04821	13.931	1.9574	13.685
#2	5.9502	.96918	.77598	.04807	13.904	1.9606	13.733
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0172	1.1642	.00066	.12671	.12928	.58739	.55498
SDev	.0021	.0029	.00261	.00186	.00570	.00161	.00341
%RSD	.20289	.24574	395.57	1.4708	4.4063	.27474	.61430
#1	1.0157	1.1622	.00251	.12802	.13331	.58853	.55256
#2	1.0187	1.1662	-.00119	.12539	.12525	.58625	.55739
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8088	1.8341	.0688	2.067	2.796
SDev	.0000	.0034	.0019	.005	.010
%RSD	.00105	.18302	2.695	.2328	.3533
#1	1.8088	1.8317	.0675	2.064	2.789
#2	1.8088	1.8365	.0701	2.070	2.803
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5362	--	--	--	--	--	--
SDev	9.192388	--	--	--	--	--	--
%RSD	.1714454	--	--	--	--	--	--
#1	5368	--	--	--	--	--	--
#2	5355	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW5Q4D Operator: KT
Run Time: 03/13/01 16:14:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.55442	1.8009	.13050	220.39	1.9658	4.1196	.05706
SDev	.00023	.0083	.00425	.95	.0102	.0157	.00016
%RSD	.04223	.45838	3.2560	.43162	.51910	.38089	.27439
#1	.55426	1.8067	.13350	221.06	1.9730	4.1307	.05717
#2	.55459	1.7951	.12750	219.72	1.9586	4.1085	.05695
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04524	318.75	.51363	.60830	.67979	298.84	111.78
SDev	.00066	.67	.00298	.00028	.00336	.77	.44
%RSD	1.4601	.20990	.57951	.04533	.49497	.25630	.39417
#1	.04571	319.22	.51573	.60850	.68217	299.38	112.09
#2	.04478	318.27	.51152	.60811	.67741	298.30	111.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.8926	.94043	.75133	.04724	13.557	1.9237	12.989
SDev	.0150	.00269	.00018	.00031	.090	.0147	.039
%RSD	.25445	.28609	.02377	.65695	.66672	.76382	.29822
#1	5.9032	.93853	.75120	.04746	13.621	1.9341	13.017
#2	5.8820	.94233	.75146	.04702	13.493	1.9133	12.962
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.98543	1.1288	-.00225	.12923	.13305	.57569	.54380
SDev	.00340	.0027	.00265	.00567	.00140	.00464	.00267
%RSD	.34477	.23578	117.54	4.3874	1.0549	.80564	.49034
#1	.98784	1.1307	-.00412	.13324	.13404	.57897	.54192
#2	.98303	1.1269	-.00038	.12522	.13206	.57241	.54569
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.7854	1.8087	.0640	2.087	2.658
SDev	.0029	.0109	.0007	.008	.007
%RSD	.16421	.60335	1.092	.3956	.2768
#1	1.7874	1.8164	.0635	2.093	2.663
#2	1.7833	1.8009	.0645	2.081	2.653
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5303	--	--	--	--	--	--
SDev	14.65106	--	--	--	--	--	--
%RSD	.2762579	--	--	--	--	--	--
#1	5293	--	--	--	--	--	--
#2	5314	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW5Q5 Operator: KT
Run Time: 03/13/01 16:23:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09476	L-.01248	.00153	225.93	.09387	2.5138	.00737
SDev	.00125	.00048	.00145	.66	.00120	.0075	.00004
%RSD	1.3177	3.8510	94.312	.29067	1.2726	.29769	.60014
#1	.09565	L-.01282	.00051	226.40	.09471	2.5191	.00740
#2	.09388	L-.01214	.00256	225.47	.09303	2.5086	.00734
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00293	493.07	.32401	.12684	.46606	304.76	112.38
SDev	.00026	.96	.00064	.00136	.00144	.72	.34
%RSD	8.9190	.19421	.19907	1.0732	.30915	.23596	.30211
#1	-.00275	493.75	.32447	.12780	.46708	305.27	112.62
#2	-.00312	492.40	.32355	.12588	.46505	304.25	112.14
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.9558	.00362	.27300	-.00122	13.561	.01248	13.539
SDev	.0178	.00116	.00014	.00006	.040	.00137	.039
%RSD	.25586	31.984	.05282	4.5606	.29746	11.007	.29067
#1	6.9684	.00280	.27290	-.00118	13.589	.01151	13.567
#2	6.9432	.00443	.27310	-.00126	13.532	.01345	13.512
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51808	.68746	.00673	-.00073	.00607	.12176	.08128
SDev	.00255	.00053	.00005	.00308	.00182	.00343	.00016
%RSD	.49166	.07685	.75046	421.42	30.031	2.8182	.19544
#1	.51988	.68784	.00677	-.00291	.00735	.12419	.08140
#2	.51628	.68709	.00669	.00145	.00478	.11934	.08117
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.02454	-.00645	.0600	2.791	3.751
SDev	.00457	.00156	.0014	.009	.002
%RSD	18.633	24.231	2.348	.3193	.0572
#1	-.02778	-.00535	.0590	2.798	3.753
#2	-.02131	-.00756	.0610	2.785	3.750
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5252	--	--	--	--	--	--
SDev	32.18717	--	--	--	--	--	--
%RSD	.6128695	--	--	--	--	--	--
#1	5229	--	--	--	--	--	--
#2	5275	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW5Q9 Operator: KT
Run Time: 03/13/01 16:29:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05290	L-.00720	.00382	141.79	.07787	1.2985	.00457
SDev	.00093	.00159	.00368	.70	.00282	.0027	.00001
%RSD	1.7586	22.131	96.335	.49595	3.6215	.20468	.10963
#1	.05356	L-.00607	.00122	141.29	.07587	1.2966	.00456
#2	.05225	L-.00832	.00642	142.29	.07986	1.3003	.00457
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00508	105.59	.23463	.10183	.32211	239.44	99.034
SDev	.00003	.47	.00035	.00093	.00163	1.00	.387
%RSD	.56284	.44358	.14771	.91254	.50539	.41810	.39117
#1	L-.00506	105.25	.23439	.10249	.32096	238.73	98.760
#2	L-.00510	105.92	.23488	.10117	.32326	240.14	99.308
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5707	.00266	.20468	-.00107	10.782	.00993	13.662
SDev	.0219	.00008	.00020	.00036	.035	.00308	.068
%RSD	.47805	2.8601	.09818	33.483	.32709	31.031	.50092
#1	4.5552	.00261	.20482	-.00082	10.757	.00775	13.614
#2	4.5861	.00272	.20454	-.00132	10.807	.01211	13.710
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.42904	.61133	-.00162	.00367	.00411	.07656	.04109
SDev	.00114	.00349	.00524	.00552	.00002	.00148	.00066
%RSD	.26560	.57178	324.63	150.39	.40044	1.9288	1.6003
#1	.42823	.60886	.00209	-.00023	.00412	.07761	.04156
#2	.42984	.61380	-.00532	.00758	.00410	.07552	.04063
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01762	-.00199	.0257	.7706	2.941
SDev	.00083	.00198	.0000	.0021	.010
%RSD	4.6898	99.087	.1284	.2669	.3395
#1	-.01703	-.00060	.0257	.7691	2.934
#2	-.01820	-.00339	.0257	.7720	2.948
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5342	--	--	--	--	--	--
SDev	6.420585	--	--	--	--	--	--
%RSD	.1201857	--	--	--	--	--	--
#1	5347	--	--	--	--	--	--
#2	5338	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 03/13/01 16:35:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50392	.49519	.49734	24.309	.50106	2.0009	2.0822
SDev	.00170	.00209	.00251	.101	.00406	.0028	.0005
%RSD	.33810	.42128	.50553	.41691	.81110	.14005	.02486
#1	.50513	.49666	.49556	24.381	.50394	2.0029	2.0818
#2	.50272	.49371	.49912	24.237	.49819	1.9989	2.0826
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50855	103.97	2.0658	2.0419	1.9560	25.869	100.21
SDev	.00054	.05	.0005	.0008	.0070	.010	.22
%RSD	.10685	.05098	.02237	.03798	.35922	.03853	.21570
#1	.50893	104.01	2.0661	2.0414	1.9610	25.876	100.36
#2	.50816	103.93	2.0655	2.0425	1.9511	25.862	100.06
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0590	2.0192	2.0345	.99527	49.030	.99751	2.0387
SDev	.0004	.0294	.0008	.00299	.103	.00551	.0034
%RSD	.01739	1.4572	.03752	.30010	.20930	.55247	.16596
#1	2.0593	1.9984	2.0340	.99738	49.103	.99362	2.0411
#2	2.0588	2.0400	2.0350	.99316	48.958	1.0014	2.0363
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0430	2.0674	1.9967	.49748	.49705	.50648	.50264
SDev	.0001	.0002	.0113	.00334	.00085	.00109	.00201
%RSD	.00506	.00824	.56372	.67205	.17169	.21545	.39980
#1	2.0429	2.0675	1.9887	.49512	.49644	.50725	.50407
#2	2.0431	2.0673	2.0046	.49985	.49765	.50571	.50122
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960 1	1960 2	B 2496	Sr4215	Si2881

BOE-C6-0007056

Units			ppm	ppm	ppm
Avge	.49454	.49551	1.980	2.035	2.014
SDev	.00727	.00050	.000	.003	.007
%RSD	1.4708	.10168	.0071	.1453	.3447
#1	.49968	.49516	1.980	2.037	2.019
#2	.48939	.49587	1.980	2.033	2.009
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5279	--	--	--	--	--	--
SDev	1.979761	--	--	--	--	--	--
%RSD	.0375026	--	--	--	--	--	--
#1	5280	--	--	--	--	--	--
#2	5278	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 03/13/01 16:43:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00148	-.00063	.00027	-.03536	.00304	.00000	.00019
SDev	.00059	.00164	.00232	.00019	.00055	.00000	.00000
%RSD	40.140	261.38	852.14	.52841	18.021	.00000	.07651
#1	.00190	.00053	.00191	-.03523	.00265	.00000	.00019
#2	.00106	-.00179	-.00137	-.03549	.00342	.00000	.00019
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	.00754	-.00010	-.00033	-.00004	.00006	.00006
SDev	.00022	.01033	.00056	.00000	.00008	.00008	.00423
%RSD	251.37	137.03	535.39	.53210	199.13	148.33	7194.6
#1	.00024	.01484	.00029	-.00033	-.00010	.00012	.00305
#2	-.00007	.00023	-.00050	-.00033	.00002	-.00000	-.00293
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	.00522	-.00064	-.00004	.09533	.00026	.00090
SDev	.00016	.00003	.00135	.00030	.07732	.00112	.00064
%RSD	141.05	.67627	209.65	685.67	81.114	429.34	71.017
#1	.00022	.00519	.00031	.00017	.15000	.00105	.00135
#2	.00000	.00524	-.00160	-.00025	.04065	-.00053	.00045
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00024	.00033	.00373	.00047	-.00013	.00221	.00111
SDev	.00034	.00046	.00519	.00208	.00279	.00178	.00000
%RSD	139.93	138.32	139.40	442.29	2208.8	80.348	.21114
#1	.00048	.00065	.00005	.00194	.00184	.00346	.00111
#2	.00000	.00001	.00740	-.00100	-.00210	.00095	.00111
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00133	-.00028	.0000	.0002	<.0000
SDev	.00050	.00221	.0000	.0000	.0004
%RSD	37.212	800.11	.5321	.5917	32.21
#1	-.00098	.00129	.0000	.0002	<.0000
#2	-.00168	-.00184	.0000	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5316	--	--	--	--	--	--
SDev	31.45209	--	--	--	--	--	--
%RSD	.5916675	--	--	--	--	--	--
#1	5338	--	--	--	--	--	--
#2	5294	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 03/13/01 17:27:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50296	.49857	.49887	24.530	.50283	2.0130	2.0735
SDev	.00047	.00723	.00207	.105	.00370	.0040	.0032
%RSD	.09395	1.4504	.41574	.42920	.73623	.19828	.15563
#1	.50330	.50368	.50034	24.605	.50021	2.0158	2.0757
#2	.50263	.49346	.49740	24.456	.50544	2.0101	2.0712
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50491	103.24	2.0588	2.0346	1.9771	25.801	100.60
SDev	.00111	.36	.0064	.0067	.0049	.107	.34
%RSD	.22065	.34677	.31135	.33087	.24812	.41363	.33925
#1	.50570	103.49	2.0633	2.0393	1.9806	25.876	100.84
#2	.50412	102.99	2.0543	2.0298	1.9736	25.726	100.36
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0526	2.0237	2.0205	1.0022	49.481	.99039	2.0480
SDev	.0066	.0250	.0038	.0048	.218	.00210	.0075
%RSD	.32120	1.2346	.18866	.48349	.44132	.21197	.36632
#1	2.0573	2.0060	2.0232	1.0057	49.636	.98891	2.0533
#2	2.0480	2.0414	2.0178	.99880	49.327	.99188	2.0427
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0472	2.0652	1.9961	.49888	.49884	.50333	.50278
SDev	.0051	.0054	.0167	.00331	.00040	.00112	.00015
%RSD	.24850	.26053	.83885	.66384	.08124	.22356	.02917
#1	2.0508	2.0690	1.9843	.50122	.49856	.50413	.50288
#2	2.0436	2.0614	2.0080	.49654	.49913	.50254	.50268
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.49707	.49932	1.984	2.045	2.015
SDev	.00724	.00723	.001	.005	.009
%RSD	1.4564	1.4473	.0387	.2288	.4242
#1	.50219	.50443	1.984	2.049	2.021
#2	.49195	.49421	1.985	2.042	2.009
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5197	--	--	--	--	--	--
SDev	5.062995	--	--	--	--	--	--
%RSD	.0974264	--	--	--	--	--	--
#1	5193	--	--	--	--	--	--
#2	5200	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 03/13/01 17:35:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00086	-.00031	.00181	-.04005	.00233	.00032	.00019
SDev	.00040	.00188	.00148	.00032	.00256	.00000	.00000
%RSD	45.983	605.61	81.504	.79588	109.95	.12760	.00002
#1	.00058	.00102	.00077	-.03983	.00414	.00032	.00019
#2	.00114	-.00164	.00286	-.04028	.00052	.00032	.00019
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	.00159	.00006	-.00067	.00013	.00454	.00115
SDev	.00015	.00023	.00036	.00047	.00002	.00662	.00001
%RSD	263.05	14.417	555.17	70.775	14.346	145.80	1.1075
#1	-.00016	.00143	-.00019	-.00100	.00011	.00923	.00114
#2	.00005	.00175	.00032	-.00033	.00014	-.00014	.00115
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00378	.00001	-.00021	.16637	.00392	.00089
SDev	.00000	.00001	.00046	.00006	.09846	.00105	.00000
%RSD	14.419	.13510	5110.4	28.479	59.182	26.906	.13871
#1	.00000	.00378	-.00031	-.00017	.23600	.00466	.00089
#2	.00000	.00378	.00033	-.00026	.09675	.00317	.00089
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00049	.00035	.00180	.00154	.00236	-.00034	.00146
SDev	.00000	.00048	.00265	.00188	.00066	.00084	.00102
%RSD	.16752	136.93	147.03	122.58	27.907	246.84	69.368
#1	.00048	.00068	.00367	.00020	.00189	.00025	.00075
#2	.00049	.00001	-.00007	.00287	.00283	-.00094	.00218
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00210	.00058	.0000	.0002	<.0000
SDev	.00436	.00065	.0000	.0000	.0017
%RSD	207.44	110.82	70.78	.1276	367.6
#1	.00098	.00104	.0000	.0002	<.0000
#2	-.00518	.00013	.0000	.0002	.0007
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5254	--	--	--	--	--	--
SDev	6.703359	--	--	--	--	--	--
%RSD	.1275950	--	--	--	--	--	--
#1	5258	--	--	--	--	--	--
#2	5249	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW8JGB-1069112 Operator: KT
Run Time: 03/13/01 17:41:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00320	.00004	.00170	-.03040	.00057	.00000	.00019
SDev	.00074	.00072	.00184	.00114	.00056	.00000	.00018
%RSD	22.989	1711.4	108.21	3.7537	99.768	.00000	96.553
#1	.00268	-.00047	.00040	-.03121	.00097	.00000	.00031
#2	.00372	.00055	.00300	-.02959	.00017	.00000	.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00054	.00417	.00091	-.00101	.00051	.00286	-.00084
SDev	.00014	.00060	.00006	.00000	.00020	.00441	.00004
%RSD	25.238	14.448	7.1652	.21403	38.932	154.18	4.3988
#1	.00045	.00374	.00095	-.00101	.00065	-.00026	-.00087
#2	.00064	.00459	.00086	-.00101	.00037	.00598	-.00081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00012	.00155	.00002	.00017	.74366	-.00087	.00042
SDev	.00016	.00109	.00046	.00049	.00363	.00415	.00001
%RSD	134.60	70.326	2112.9	280.38	.48807	478.92	1.0857
#1	.00024	.00078	.00035	.00052	.74109	.00207	.00042
#2	.00001	.00232	-.00030	-.00017	.74623	-.00380	.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00025	.00209	-.00018	.00182	.00147	.00431	.00265
SDev	.00035	.00001	.00538	.00220	.00113	.00038	.00129
%RSD	140.94	.66102	2982.6	120.86	76.839	8.7427	48.773
#1	.00049	.00208	.00362	.00026	.00067	.00458	.00173
#2	.00000	.00210	-.00398	.00337	.00226	.00404	.00356
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01140	.00576	<.0000	.0000	.0350
SDev	.00271	.00027	.0009	.0000	.0018
%RSD	23.722	4.7191	141.9	.0000	5.042
#1	-.01332	.00595	.0000	.0000	.0362
#2	-.00949	.00556	<.0000	.0000	.0337
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5180	--	--	--	--	--	--
SDev	17.08381	--	--	--	--	--	--
%RSD	.3298339	--	--	--	--	--	--
#1	5192	--	--	--	--	--	--
#2	5167	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW8JGC Operator: KT
Run Time: 03/13/01 17:48:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50616	1.8677	.50654	1.9065	1.9677	2.0798	.05594
SDev	.00102	.0003	.00069	.0055	.0178	.0034	.00008
%RSD	.20088	.01846	.13591	.28874	.90402	.16241	.13566
#1	.50688	1.8674	.50606	1.9026	1.9803	2.0822	.05600
#2	.50544	1.8679	.50703	1.9104	1.9552	2.0774	.05589
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.3000	.57500	2.4000	2.3000	2.4000	.06000
Low	.40000	1.4000	.37500	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05313	53.112	.22015	.54272	.25940	1.0601	49.545
SDev	.00014	.025	.00138	.00098	.00121	.0067	.144
%RSD	.26434	.04626	.62574	.17983	.46671	.63077	.29148
#1	.05303	53.129	.22113	.54341	.26025	1.0554	49.647
#2	.05323	53.094	.21918	.54203	.25854	1.0648	49.443
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.17000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.53919	1.0520	.52701	.05078	47.809	2.0691	L.00036
SDev	.00120	.0076	.00003	.00044	.292	.0032	.00001
%RSD	.22333	.72440	.00545	.86897	.60996	.15430	2.4970
#1	.54004	1.0466	.52703	.05110	48.015	2.0713	L.00035
#2	.53834	1.0574	.52698	.05047	47.602	2.0668	L.00037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.5000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.52994	.52819	.00353	.50494	.50976	.51162	.50343
SDev	.00085	.00185	.00002	.00290	.00375	.00617	.00155
%RSD	.15973	.35083	.66638	.57487	.73500	1.2056	.30891
#1	.53053	.52950	.00351	.50289	.51241	.51598	.50233
#2	.52934	.52688	.00354	.50699	.50711	.50726	.50453
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8637	1.8696	L.0111	L.0017	.1339
SDev	.0127	.0069	.0010	.0000	.0034
%RSD	.68252	.36732	8.838	.6230	2.577
#1	1.8727	1.8648	L.0118	L.0017	.1364
#2	1.8547	1.8745	L.0104	L.0017	.1315
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5139	--	--	--	--	--	--
SDev	32.01799	--	--	--	--	--	--
%RSD	.6229957	--	--	--	--	--	--
#1	5117	--	--	--	--	--	--
#2	5162	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW7TV Operator: KT
Run Time: 03/13/01 17:56:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10739	-.00479	.00091	132.64	.05729	.99381	.00484
SDev	.00024	.00162	.00109	.33	.00361	.00366	.00001
%RSD	.22266	33.764	119.36	.24535	6.3029	.36844	.20471
#1	.10723	L-.00594	.00014	132.87	.05984	.99640	.00485
#2	.10756	-.00365	.00168	132.41	.05474	.99122	.00484
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00294	45.754	.26270	.08010	.31316	199.74	45.547
SDev	.00038	.096	.00042	.00019	.00133	.16	.041
%RSD	12.841	.20878	.15845	.24158	.42395	.08121	.09064
#1	-.00267	45.687	.26241	.08024	.31410	199.63	45.576
#2	-.00320	45.822	.26299	.07997	.31222	199.86	45.518
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.4811	.00972	.17949	-.00075	1.9464	.01291	8.1258
SDev	.0032	.00102	.00034	.00000	.1139	.00214	.0001
%RSD	.09293	10.499	.19174	.03418	5.8499	16.546	.00134
#1	3.4788	.01044	.17974	-.00075	2.0269	.01442	8.1259
#2	3.4834	.00900	.17925	-.00075	1.8659	.01140	8.1257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.42949	.60504	.00318	-.00141	.00557	.13192	.09515
SDev	.00153	.00020	.00260	.00348	.00370	.00341	.00206
%RSD	.35525	.03378	81.849	246.58	66.559	2.5834	2.1650
#1	.42841	.60490	.00134	-.00387	.00819	.13433	.09369
#2	.43056	.60519	.00502	.00105	.00295	.12951	.09661
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

BOE-C6-0007068

Units			ppm	ppm	ppm
Avge	-.01579	.00070	.0222	.3309	3.591
SDev	.00318	.00084	.0000	.0009	.008
%RSD	20.139	120.21	.1904	.2767	.2137
#1	-.01804	.00010	.0222	.3315	3.596
#2	-.01354	.00129	.0222	.3302	3.585
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5309	--	--	--	--	--	--
SDev	10.12599	--	--	--	--	--	--
%RSD	.1907210	--	--	--	--	--	--
#1	5302	--	--	--	--	--	--
#2	5316	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW7T4 Operator: KT
Run Time: 03/13/01 18:04:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19210	-.00284	.00585	140.00	.05524	1.0410	.00511
SDev	.00224	.00300	.00326	.16	.00248	.0037	.00000
%RSD	1.1664	105.73	55.749	.11759	4.4836	.35089	.04008
#1	.19052	-.00496	.00354	139.88	.05349	1.0436	.00511
#2	.19369	-.00072	.00815	140.12	.05699	1.0384	.00512
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00179	53.085	.26719	.07415	.28760	208.30	48.624
SDev	.00030	.317	.00079	.00047	.00175	.86	.109
%RSD	16.682	.59742	.29444	.63938	.60811	.41142	.22426
#1	-.00200	52.860	.26663	.07382	.28883	207.69	48.547
#2	-.00158	53.309	.26774	.07449	.28636	208.90	48.701
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.2176	.01052	.18163	-.00060	4.5374	.00848	8.5155
SDev	.0111	.00114	.00146	.00006	.1068	.00174	.0173
%RSD	.34351	10.870	.80455	9.8192	2.3535	20.541	.20278
#1	3.2098	.00971	.18060	-.00064	4.6129	.00971	8.5033
#2	3.2254	.01133	.18267	-.00056	4.4619	.00725	8.5277
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.45455	.67088	.00834	.00653	.00448	.21566	.18034
SDev	.00192	.00266	.00528	.00435	.00108	.00153	.00412
%RSD	.42336	.39610	63.359	66.557	24.171	.71053	2.2870
#1	.45318	.66900	.01207	.00346	.00371	.21675	.17742
#2	.45591	.67276	.00460	.00960	.00524	.21458	.18325
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01685	.00416	.0311	.3763	4.170
SDev	.00116	.00392	.0000	.0006	.009
%RSD	6.8559	94.448	.0519	.1735	.2084
#1	-.01767	.00138	.0311	.3768	4.164
#2	-.01603	.00693	.0311	.3759	4.176
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5275	--	--	--	--	--	--
SDev	2.885051	--	--	--	--	--	--
%RSD	.0546941	--	--	--	--	--	--
#1	5277	--	--	--	--	--	--
#2	5273	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW7T7 Operator: KT
Run Time: 03/13/01 18:13:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17210	-.00231	.00263	150.86	.06628	1.0603	.00554
SDev	.00116	.00036	.00141	.01	.00205	.0010	.00009
%RSD	.67651	15.688	53.538	.00975	3.0935	.09752	1.6620
#1	.17293	-.00257	.00363	150.85	.06773	1.0610	.00548
#2	.17128	-.00206	.00164	150.87	.06483	1.0595	.00561
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00190	56.357	.27393	.08171	.33232	217.64	47.324
SDev	.00012	.351	.00082	.00002	.00062	1.12	.099
%RSD	6.4938	.62318	.29995	.01957	.18678	.51349	.20940
#1	-.00182	56.108	.27335	.08170	.33276	216.85	47.254
#2	-.00199	56.605	.27451	.08172	.33188	218.43	47.394
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.5161	.01221	.19198	-.00080	3.6998	.00984	8.5273
SDev	.0173	.00202	.00063	.00006	.0116	.00032	.0298
%RSD	.49122	16.551	.32813	7.7356	.31236	3.2714	.34962
#1	3.5039	.01364	.19153	-.00076	3.7080	.01006	8.5062
#2	3.5284	.01078	.19242	-.00085	3.6917	.00961	8.5483
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48337	.64864	.00793	.00097	.00596	.19531	.16052
SDev	.00279	.00239	.00003	.00275	.00127	.00085	.00132
%RSD	.57656	.36907	.36001	282.92	21.367	.43363	.82405
#1	.48140	.64694	.00795	.00292	.00506	.19591	.16145
#2	.48534	.65033	.00791	-.00097	.00686	.19471	.15958
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01347	.00325	.0311	.3867	3.880
SDev	.00233	.00062	.0018	.0002	.002
%RSD	17.276	18.968	5.778	.0542	.0453
#1	-.01511	.00369	.0298	.3866	3.879
#2	-.01182	.00282	.0324	.3869	3.881
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5273	--	--	--	--	--	--
SDev	4.808188	--	--	--	--	--	--
%RSD	.0911878	--	--	--	--	--	--
#1	5276	--	--	--	--	--	--
#2	5269	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW7VC Operator: KT
Run Time: 03/13/01 18:21:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12968	-.00297	.00008	93.120	.04428	.80900	.00328
SDev	.00073	.00163	.00026	.307	.00113	.00171	.00001
%RSD	.56215	54.707	308.17	.32951	2.5542	.21120	.39031
#1	.13020	-.00412	-.00010	93.337	.04348	.80779	.00329
#2	.12917	-.00182	.00027	92.903	.04508	.81021	.00327
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	242.56	.16409	.04987	.22678	130.46	40.800
SDev	.00049	.50	.00005	.00027	.00115	.17	.038
%RSD	348.25	.20630	.02951	.54759	.50567	.13236	.09308
#1	.00020	242.20	.16413	.05006	.22759	130.34	40.827
#2	-.00048	242.91	.16406	.04968	.22597	130.58	40.773
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2902	.00625	.10406	-.00021	2.8183	.00169	6.1875
SDev	.0046	.00215	.00053	.00012	.1200	.00166	.0090
%RSD	.20214	34.351	.51171	60.155	4.2581	98.314	.14608
#1	2.2870	.00776	.10368	-.00012	2.9032	.00287	6.1811
#2	2.2935	.00473	.10443	-.00029	2.7335	.00052	6.1939
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.27847	.55113	.00447	-.00125	.00275	.14462	.12222
SDev	.00100	.00027	.00539	.00053	.00028	.00191	.00014
%RSD	.35929	.04878	120.78	42.058	10.164	1.3235	.11241
#1	.27776	.55094	.00065	-.00162	.00295	.14598	.12232
#2	.27917	.55132	.00828	-.00088	.00255	.14327	.12213
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01033	.00070	.0295	.6808	4.244
SDev	.00232	.00360	.0001	.0012	.005
%RSD	22.499	515.35	.3818	.1802	.1076
#1	-.00869	-.00185	.0296	.6800	4.241
#2	-.01197	.00324	.0294	.6817	4.248
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5126	--	--	--	--	--	--
SDev	19.60115	--	--	--	--	--	--
%RSD	.3824093	--	--	--	--	--	--
#1	5112	--	--	--	--	--	--
#2	5140	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW7VD Operator: KT
Run Time: 03/13/01 18:29:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01853	-.00459	-.00015	74.590	.01352	.57781	.00249
SDev	.00017	.00185	.00214	.115	.00005	.00031	.00001
%RSD	.89569	40.285	1430.1	.15406	.37227	.05418	.30566
#1	.01841	L-.00590	-.00166	74.671	.01348	.57759	.00250
#2	.01865	-.00329	.00136	74.508	.01356	.57803	.00249
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00325	24.802	.07606	.03613	.07528	126.75	24.269
SDev	.00006	.043	.00002	.00113	.00074	.21	.025
%RSD	1.8367	.17222	.02019	3.1373	.97984	.16612	.10225
#1	-.00329	24.772	.07607	.03693	.07580	126.60	24.286
#2	-.00321	24.833	.07604	.03532	.07475	126.90	24.251
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1374	.00214	.05053	-.00048	2.2763	.00521	7.4181
SDev	.0036	.00103	.00077	.00030	.0573	.00166	.0070
%RSD	.16720	48.139	1.5212	63.916	2.5160	31.796	.09396
#1	2.1348	.00286	.04999	-.00026	2.3168	.00404	7.4132
#2	2.1399	.00141	.05107	-.00069	2.2358	.00639	7.4231
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.24258	.26704	-.00314	-.00017	-.00012	.03248	.01157
SDev	.00097	.00011	.00001	.00323	.00003	.00205	.00127
%RSD	.40211	.04096	.16759	1950.9	26.085	6.3203	11.011
#1	.24189	.26697	-.00314	-.00245	-.00010	.03393	.01067
#2	.24327	.26712	-.00314	.00212	-.00014	.03103	.01247
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01846	.00233	.0050	.2377	3.981
SDev	.00050	.00253	.0000	.0002	.003
%RSD	2.7060	108.50	.2562	.0697	.0857
#1	-.01881	.00054	.0050	.2375	3.978
#2	-.01811	.00411	.0050	.2378	3.983
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5194	--	--	--	--	--	--
SDev	15.44345	--	--	--	--	--	--
%RSD	.2973210	--	--	--	--	--	--
#1	5183	--	--	--	--	--	--
#2	5205	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW7VF Operator: KT
Run Time: 03/13/01 18:38:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06266	-.00491	-.00048	248.18	.05203	1.6816	.00819
SDev	.00106	.00074	.00343	.35	.00137	.0024	.00000
%RSD	1.6877	15.046	712.44	.14245	2.6398	.14391	.01035
#1	.06192	-.00439	-.00291	247.94	.05106	1.6799	.00819
#2	.06341	L-.00544	.00194	248.43	.05300	1.6833	.00819
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00465	39.608	.29095	.12513	.39903	313.01	66.519
SDev	.00014	.268	.00009	.00033	.00046	1.44	.193
%RSD	2.9050	.67599	.03050	.26496	.11429	.46134	.28977
#1	-.00456	39.419	.29101	.12490	.39936	311.99	66.382
#2	-.00475	39.797	.29088	.12537	.39871	314.03	66.655
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.3473	.00490	.20580	-.00111	10.214	.00912	14.205
SDev	.0187	.00015	.00184	.00018	.020	.00383	.055
%RSD	.43065	2.9938	.89258	16.597	.19677	41.937	.38679
#1	4.3341	.00480	.20450	-.00098	10.228	.01183	14.166
#2	4.3605	.00501	.20710	-.00124	10.200	.00642	14.244
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.58108	.71239	.00992	-.00258	.00372	.08947	.04928
SDev	.00129	.00320	.00006	.00571	.00114	.00216	.00266
%RSD	.22209	.44945	.61448	221.23	30.562	2.4115	5.4035
#1	.58017	.71012	.00997	-.00662	.00453	.09100	.04740
#2	.58199	.71465	.00988	.00146	.00292	.08795	.05116
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.02469	.00496	.0391	.4988	4.544
SDev	.00199	.00210	.0000	.0010	.004
%RSD	8.0455	42.358	.0055	.2003	.0938
#1	-.02610	.00644	.0391	.4981	4.541
#2	-.02329	.00347	.0391	.4995	4.547
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5191	--	--	--	--	--	--
SDev	.1978380	--	--	--	--	--	--
%RSD	.0038115	--	--	--	--	--	--
#1	5190	--	--	--	--	--	--
#2	5191	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW7X7 10X Operator: KT
Run Time: 03/13/01 18:46:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00256	.00057	-.00013	.10766	.00507	.00156	.00006
SDev	.00042	.00017	.00310	.00282	.00602	.00001	.00000
%RSD	16.610	29.303	2297.5	2.6193	118.86	.32647	.42979
#1	.00286	.00045	.00206	.10965	.00081	.00157	.00006
#2	.00226	.00069	-.00233	.10567	.00932	.00156	.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	10.220	.00055	-.00072	.02543	.05533	.21986
SDev	.00021	.022	.00021	.00047	.00037	.01320	.00069
%RSD	204.96	.22002	37.611	65.434	1.4616	23.861	.31194
#1	-.00025	10.236	.00040	-.00105	.02569	.06466	.21937
#2	.00005	10.204	.00069	-.00038	.02516	.04599	.22034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00171	-.00074	-.00000	.00013	3.0132	.00100	.02403
SDev	.00017	.00000	.00045	.00018	.0143	.00219	.00039
%RSD	9.7970	.17967	48493.	141.63	.47392	219.83	1.6239
#1	.00182	-.00074	-.00032	.00025	3.0031	-.00055	.02431
#2	.00159	-.00074	.00032	-.00000	3.0233	.00254	.02376
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00118	3.2928	-.00002	-.00065	.00090	.00166	.00300
SDev	.00034	.0112	.00525	.00313	.00303	.00403	.00138
%RSD	28.377	.34099	33050.	479.34	336.24	243.36	45.839
#1	.00095	3.3008	-.00373	.00156	.00305	.00451	.00203
#2	.00142	3.2849	.00370	-.00287	-.00124	-.00119	.00398
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

BOE-C6-0007080

Units			ppm	ppm	ppm
Avge	.00028	.00071	.0006	.0050	.1455
SDev	.00268	.00159	.0009	.0000	.0025
%RSD	944.80	222.76	141.2	.3265	1.727
#1	.00218	-.00041	.0012	.0050	.1472
#2	-.00161	.00184	.0000	.0050	.1437
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5302	--	--	--	--	--	--
SDev	17.30996	--	--	--	--	--	--
%RSD	.3264724	--	--	--	--	--	--
#1	5290	--	--	--	--	--	--
#2	5314	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW70X Operator: KT
Run Time: 03/13/01 18:54:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15967	-.00320	.00189	98.341	.05360	1.0034	.00350
SDev	.00047	.00102	.00028	.073	.00206	.0000	.00000
%RSD	.29600	31.756	14.984	.07444	3.8446	.00071	.03402
#1	.16001	-.00392	.00209	98.393	.05505	1.0034	.00350
#2	.15934	-.00249	.00169	98.289	.05214	1.0034	.00350
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00153	174.69	.17516	.06313	.33947	156.14	53.823
SDev	.00022	.72	.00004	.00005	.00155	.41	.006
%RSD	14.362	.40938	.02171	.07945	.45637	.26516	.01086
#1	-.00169	174.19	.17519	.06317	.34057	155.85	53.827
#2	-.00138	175.20	.17513	.06310	.33838	156.44	53.818
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1730	.00734	.16005	-.00054	7.4392	.00518	8.9741
SDev	.0086	.00221	.00043	.00012	.0390	.00171	.0121
%RSD	.26956	30.162	.26771	22.596	.52459	33.082	.13443
#1	3.1669	.00578	.15975	-.00063	7.4668	.00397	8.9655
#2	3.1790	.00891	.16036	-.00045	7.4116	.00639	8.9826
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.30966	.54505	.00662	.00188	.00191	.17447	.15228
SDev	.00130	.00080	.00002	.00165	.00245	.00524	.00191
%RSD	.42155	.14755	.22900	87.585	128.08	3.0007	1.2511
#1	.30874	.54449	.00663	.00304	.00018	.17818	.15094
#2	.31058	.54562	.00661	.00072	.00364	.17077	.15363
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01979	.00507	.0286	.5939	6.104
SDev	.00200	.00252	.0009	.0005	.015
%RSD	10.103	49.734	3.135	.0766	.2457
#1	-.01838	.00329	.0280	.5936	6.093
#2	-.02120	.00686	.0292	.5942	6.114
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5162	--	--	--	--	--	--
SDev	1.131095	--	--	--	--	--	--
%RSD	.0219126	--	--	--	--	--	--
#1	5161	--	--	--	--	--	--
#2	5163	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 03/13/01 19:03:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50592	.49889	.50136	24.535	.50494	1.9939	2.0883
SDev	.00495	.00247	.00590	.329	.01074	.0206	.0143
%RSD	.97844	.49443	1.1762	1.3399	2.1262	1.0349	.68372
#1	.50942	.50063	.50553	24.768	.51253	2.0085	2.0984
#2	.50242	.49715	.49719	24.303	.49735	1.9793	2.0782
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50549	104.44	2.0789	2.0484	1.9629	25.996	100.80
SDev	.00457	.76	.0149	.0162	.0255	.150	1.07
%RSD	.90413	.72307	.71632	.79261	1.2969	.57652	1.0653
#1	.50872	104.97	2.0894	2.0599	1.9809	26.102	101.55
#2	.50225	103.90	2.0683	2.0370	1.9449	25.890	100.04
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0652	2.0346	2.0286	1.0071	49.476	.99252	2.0544
SDev	.0159	.0184	.0097	.0120	.679	.00177	.0176
%RSD	.77100	.90572	.47974	1.1887	1.3718	.17811	.85836
#1	2.0765	2.0216	2.0355	1.0156	49.955	.99377	2.0668
#2	2.0539	2.0476	2.0218	.99863	48.996	.99127	2.0419
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0583	2.0810	1.9981	.50322	.49763	.50849	.50464
SDev	.0171	.0175	.0333	.00384	.01001	.00641	.00422
%RSD	.83239	.84180	1.6644	.76414	2.0108	1.2602	.83671
#1	2.0704	2.0934	2.0216	.50594	.50471	.51302	.50762
#2	2.0462	2.0686	1.9746	.50050	.49055	.50396	.50165
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.50307	.49680	1.980	2.037	2.013
SDev	.00328	.00206	.026	.021	.028
%RSD	.65286	.41434	1.318	1.022	1.409
#1	.50539	.49826	1.999	2.052	2.033
#2	.50075	.49535	1.962	2.022	1.993
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5202	--	--	--	--	--	--
SDev	52.07109	--	--	--	--	--	--
%RSD	1.001017	--	--	--	--	--	--
#1	5165	--	--	--	--	--	--
#2	5239	--	--	--	--	--	--

BOE-C6-0007085

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 03/13/01 19:11:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00103	.00019	.00070	-.05822	.00288	.00016	.00031
SDev	.00019	.00170	.00099	.00285	.00148	.00023	.00000
%RSD	18.895	895.06	141.90	4.9023	51.323	141.42	.17168
#1	.00117	-.00101	.00140	-.06023	.00184	.00032	.00031
#2	.00089	.00140	-.00000	-.05620	.00393	.00000	.00031
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00449	.00024	-.00033	.00036	-.00354	-.00078
SDev	.00029	.00062	.00015	.00000	.00005	.00897	.00299
%RSD	1804.4	13.749	62.285	.19801	13.552	253.52	380.88
#1	.00019	.00493	.00035	-.00033	.00039	-.00989	.00133
#2	-.00022	.00406	.00014	-.00033	.00033	.00281	-.00289
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	.00386	-.00030	.00005	.17594	.00417	.00065
SDev	.00000	.00218	.00000	.00006	.12051	.00271	.00032
%RSD	13.756	56.620	.73021	135.67	68.497	65.016	49.790
#1	.00001	.00540	-.00030	.00009	.09072	.00225	.00087
#2	.00001	.00231	-.00030	.00000	.26116	.00609	.00042
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00049	.00072	.00171	.00053	.00103	-.00084	.00196
SDev	.00000	.00001	.00270	.00058	.00180	.00070	.00006
%RSD	.58860	1.2290	158.20	109.58	175.54	83.246	2.9867
#1	.00050	.00073	-.00020	.00095	.00230	-.00035	.00192
#2	.00049	.00071	.00362	.00012	-.00025	-.00134	.00200
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00327	-.00135	.0000	.0002	<.0000
SDev	.00356	.00433	.0000	.0000	.0021
%RSD	108.84	321.66	.1980	.3381	196.3
#1	.00579	-.00441	.0000	.0002	.0004
#2	.00075	.00172	.0000	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5170	--	--	--	--	--	--
SDev	17.47949	--	--	--	--	--	--
%RSD	.3380762	--	--	--	--	--	--
#1	5158	--	--	--	--	--	--
#2	5183	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW718 Operator: KT
Run Time: 03/13/01 19:17:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05620	L-.00864	.00252	150.55	.10267	1.5075	.00528
SDev	.00066	.00243	.00314	.20	.00096	.0041	.00009
%RSD	1.1743	28.119	124.53	.13040	.93565	.26992	1.7080
#1	.05574	L-.01036	.00030	150.69	.10335	1.5103	.00535
#2	.05667	L-.00692	.00474	150.41	.10199	1.5046	.00522
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00352	179.29	.25687	.10663	.36199	246.85	91.939
SDev	.00047	.70	.00022	.00054	.00022	.63	.034
%RSD	13.441	.39026	.08629	.50238	.06142	.25604	.03718
#1	-.00319	178.79	.25672	.10701	.36215	246.40	91.914
#2	-.00386	179.78	.25703	.10625	.36183	247.30	91.963
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9536	.00580	.21787	-.00095	8.9708	.00765	14.484
SDev	.0129	.00006	.00231	.00012	.1033	.00593	.023
%RSD	.25993	1.0983	1.0621	13.009	1.1512	77.481	.15670
#1	4.9445	.00576	.21623	-.00086	9.0438	.00346	14.468
#2	4.9627	.00585	.21950	-.00104	8.8978	.01185	14.500
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.44123	.62586	-.00018	.00177	.00402	.08072	.04396
SDev	.00067	.00187	.00802	.00328	.00286	.00088	.00143
%RSD	.15104	.29848	4354.2	184.73	71.256	1.0942	3.2535
#1	.44076	.62454	-.00585	-.00054	.00199	.08134	.04295
#2	.44170	.62718	.00548	.00409	.00604	.08009	.04498
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.02505	-.00045	.0284	1.091	4.997
SDev	.00480	.00125	.0009	.002	.009
%RSD	19.162	276.88	3.171	.1599	.1838
#1	-.02845	-.00133	.0278	1.093	4.990
#2	-.02166	.00043	.0291	1.090	5.003
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5175	--	--	--	--	--	--
SDev	.0283119	--	--	--	--	--	--
%RSD	.0005471	--	--	--	--	--	--
#1	5175	--	--	--	--	--	--
#2	5175	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW72D Operator: KT
Run Time: 03/13/01 19:23:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.78256	L-.07716	L-1.5295	47.697	1.3059	L-.09953	.01608
SDev	1.19401	.09590	2.1691	150.35	1.7255	2.30386	.01525
%RSD	152.58	124.29	141.81	315.21	132.13	2314.8	94.836
#1	.06173	L-.00935	.00421	154.01	.08580	1.5295	.00530
#2	L-1.6269	L-.14497	L-3.0633	L-58.614	2.5260	L-1.7286	.02686
Errors	LC Low	LC Low	LC Low	LC Pass	LC Pass	LC Low	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11677	L-75.993	.02089	.04524	.29568	L-64.166	-4.8403
SDev	.16816	517.299	.35645	.07991	.01517	429.036	157.274
%RSD	144.01	680.72	1706.1	176.63	5.1313	668.64	3249.3
#1	-.00213	289.79	.27294	.10174	.30640	239.21	106.37
#2	.23568	L-441.78	L-.23115	-.01126	.28495	L-367.54	L-116.05
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.55442	1.0395	.01902	L-.09555	16.052	.68094	L-3.2647
SDev	5.7625	1.4611	.28319	.13458	9.218	.94603	24.9454
%RSD	1039.4	140.56	1488.6	140.84	57.430	138.93	764.10
#1	4.6291	.00633	.21927	-.00039	9.5331	.01199	14.374
#2	L-3.5202	2.0726	L-.18122	L-.19071	22.570	1.3499	L-20.904
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Low
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	L-.10491	L-.02437	1.5814	-3.1932	1.8027	1.0824	-1.7137
SDev	.75996	.94562	2.2281	4.5189	2.5377	1.4118	2.4950
%RSD	724.41	3880.0	140.90	141.52	140.77	130.43	145.59
#1	.43246	.64428	.00584	.00220	.00826	.08413	.05055
#2	L-.64228	L-.69302	3.1569	-6.3885	3.5971	2.0807	-3.4779
Errors	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	4.0603	-2.1428	.0021	L.0000	1.923
SDev	5.7661	3.0225	.0443	3.344	7.111
%RSD	142.01	141.06	2133.	1284.	369.8
#1	-.01695	-.00555	.0334	2.104	6.951
#2	8.1376	-4.2800	<.0000	L.0000	L.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2439	--	--	--	--	--	--
SDev	3768.087	--	--	--	--	--	--
%RSD	154.4880	--	--	--	--	--	--
#1	5104	--	--	--	--	--	--
#2	-225	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW650 Operator: KT
Run Time: 03/13/01 19:30:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09269	.01153	.00346	55.933	.00818	.75494	.00639
SDev	.00115	.00133	.00001	.035	.00162	.00299	.00002
%RSD	1.2391	11.521	.23079	.06243	19.774	.39568	.24315
#1	.09188	.01246	.00347	55.958	.00933	.75705	.00641
#2	.09351	.01059	.00346	55.909	.00704	.75283	.00638
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00248	84.637	.09235	.00416	1.6593	9.1257	6.6639
SDev	.00009	.167	.00020	.00049	.0044	.0265	.0076
%RSD	3.5874	.19736	.22011	11.729	.26267	.29077	.11461
#1	.00242	84.519	.09221	.00451	1.6624	9.1069	6.6693
#2	.00254	84.756	.09250	.00382	1.6562	9.1444	6.6585
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.29740	.01854	.02650	.01393	3.0286	-.00260	.21472
SDev	.00009	.00004	.00007	.00010	.0910	.00242	.00117
%RSD	.03079	.22900	.25466	.68661	3.0054	93.078	.54668
#1	.29733	.01857	.02655	.01400	3.0930	-.00089	.21555
#2	.29746	.01851	.02645	.01387	2.9642	-.00431	.21389
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.05558	1.5648	.08576	.00254	.00531	.09101	.09353
SDev	.00056	.0020	.00516	.00188	.00378	.00001	.00171
%RSD	1.0012	.12515	6.0160	73.788	71.185	.01466	1.8339
#1	.05518	1.5635	.08211	.00122	.00799	.09100	.09232
#2	.05597	1.5662	.08941	.00387	.00264	.09102	.09475
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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Units			ppm	ppm	ppm
Avge	.00757	.01350	.0668	.5492	4.631
SDev	.00282	.00340	.0011	.0012	.005
%RSD	37.230	25.174	1.591	.2192	.1185
#1	.00558	.01590	.0676	.5500	4.627
#2	.00957	.01110	.0661	.5483	4.634
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5179	--	--	--	--	--	--
SDev	12.72792	--	--	--	--	--	--
%RSD	.2457697	--	--	--	--	--	--
#1	5170	--	--	--	--	--	--
#2	5188	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW650S Operator: KT
Run Time: 03/13/01 19:50:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56440	1.8209	.41549	60.367	1.8986	2.7450	.06037
SDev	.00561	.0035	.00032	.505	.0194	.0165	.00086
%RSD	.99363	.19203	.07603	.83580	1.0224	.60059	1.4267
#1	.56043	1.8184	.41527	60.010	1.8849	2.7333	.05976
#2	.56836	1.8234	.41571	60.724	1.9123	2.7567	.06098
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05164	132.36	.29944	.51988	1.9573	9.5641	54.716
SDev	.00016	1.94	.00326	.00720	.0131	.1117	.545
%RSD	.30592	1.4668	1.0901	1.3841	.66823	1.1679	.99620
#1	.05153	130.98	.29714	.51479	1.9481	9.4851	54.330
#2	.05175	133.73	.30175	.52497	1.9666	9.6431	55.101
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.79689	1.0158	.52437	.06091	50.486	1.9702	.22008
SDev	.01005	.0139	.00473	.00036	.308	.0162	.00312
%RSD	1.2613	1.3655	.90117	.59686	.61052	.82113	1.4189
#1	.78978	1.0060	.52103	.06066	50.268	1.9588	.21787
#2	.80400	1.0256	.52771	.06117	50.704	1.9816	.22229
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.56031	2.0245	.07349	.41645	.41357	.55983	.56668
SDev	.00707	.0260	.00053	.00270	.00447	.00013	.00847
%RSD	1.2611	1.2834	.72405	.64899	1.0796	.02251	1.4948
#1	.55531	2.0061	.07311	.41454	.41673	.55991	.56069
#2	.56530	2.0428	.07386	.41836	.41041	.55974	.57267
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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Units			ppm	ppm	ppm
Avge	1.8137	1.8245	.0695	.5527	6.065
SDev	.0143	.0124	.0013	.0040	.069
%RSD	.79034	.67955	1.910	.7248	1.134
#1	1.8238	1.8158	.0704	.5499	6.017
#2	1.8035	1.8333	.0686	.5556	6.114
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4953	--	--	--	--	--	--
SDev	39.99400	--	--	--	--	--	--
%RSD	.8075224	--	--	--	--	--	--
#1	4981	--	--	--	--	--	--
#2	4924	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW650D Operator: KT
Run Time: 03/13/01 19:59:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56456	1.8175	.41388	56.882	1.8890	2.6824	.06005
SDev	.00153	.0027	.00037	.275	.0055	.0078	.00007
%RSD	.27104	.14674	.08997	.48356	.29122	.29184	.10946
#1	.56564	1.8194	.41414	57.076	1.8929	2.6880	.06009
#2	.56347	1.8156	.41361	56.687	1.8851	2.6769	.06000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05196	129.30	.30152	.51897	1.8337	8.9276	53.784
SDev	.00013	.33	.00015	.00075	.0096	.0168	.138
%RSD	.25606	.25570	.04848	.14433	.52255	.18845	.25743
#1	.05186	129.07	.30142	.51844	1.8404	8.9157	53.882
#2	.05205	129.54	.30162	.51950	1.8269	8.9395	53.686
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.78100	1.0142	.52461	.06004	49.624	1.9575	.19553
SDev	.00077	.0046	.00203	.00025	.201	.0079	.00084
%RSD	.09842	.44904	.38692	.41348	.40469	.40274	.43018
#1	.78045	1.0110	.52317	.06021	49.766	1.9519	.19493
#2	.78154	1.0174	.52604	.05986	49.482	1.9630	.19612
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.55534	1.9468	.07678	.41539	.41085	.56683	.56342
SDev	.00087	.0027	.00241	.00030	.00052	.00379	.00040
%RSD	.15588	.13895	3.1383	.07162	.12713	.66783	.07175
#1	.55473	1.9449	.07507	.41560	.41122	.56950	.56371
#2	.55596	1.9487	.07848	.41518	.41048	.56415	.56314
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

BOE-C6-0007096

Units			ppm	ppm	ppm
Avge	1.8125	1.8200	.0656	.5210	5.793
SDev	.0003	.0041	.0003	.0011	.007
%RSD	.01472	.22702	.4196	.2135	.1227
#1	1.8123	1.8229	.0658	.5218	5.798
#2	1.8127	1.8171	.0654	.5202	5.788
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5143	--	--	--	--	--	--
SDev	21.12827	--	--	--	--	--	--
%RSD	.4107793	--	--	--	--	--	--
#1	5129	--	--	--	--	--	--
#2	5158	--	--	--	--	--	--

BOE-C6-0007097

Method: QTESTNAK Sample Name: DW650P Operator: KT
Run Time: 03/13/01 20:06:25
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09370	L-.00006	L.01029	52.345	L.01286	.73350	.00645
SDev	.00099	.00566	.00910	.018	.00024	.00052	.00000
%RSD	1.0598	8894.2	88.445	.03426	1.8507	.07144	.06113
#1	.09440	L.00394	L.00385	52.357	L.01303	.73387	.00646
#2	.09300	L-.00407	L.01672	52.332	L.01270	.73313	.00645
Errors	LC Pass	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00137	83.887	.09047	L.00270	1.5479	9.0368	6.5286
SDev	.00030	.004	.00183	.00231	.0024	.0173	.0095
%RSD	21.906	.00444	2.0209	85.664	.15211	.19186	.14480
#1	L.00116	83.889	.09176	L.00106	1.5496	9.0490	6.5220
#2	L.00158	83.884	.08917	L.00433	1.5463	9.0245	6.5353
Errors	LC Low	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.29266	L.02684	L.02371	L.01211	3.5227	L.00901	.20728
SDev	.00101	.00002	.00002	.00238	.1365	.01243	.00014
%RSD	.34422	.08548	.08586	19.642	3.8762	137.93	.06815
#1	.29337	L.02685	L.02373	L.01380	3.4261	L.01779	.20738
#2	.29194	L.02682	L.02370	L.01043	3.6192	L.00022	.20718
Errors	LC Pass	LC Low	LC Low	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.05433	1.5667	L.08179	.01546	-.00007	.09709	.09200
SDev	.00004	.0011	.03895	.01310	.00108	.00537	.00119
%RSD	.07088	.07129	47.617	84.760	1484.1	5.5351	1.2980
#1	.05435	1.5675	L.10933	.00619	-.00083	.10089	.09116
#2	.05430	1.5659	L.05425	.02473	.00069	.09329	.09285
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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Units			ppm	ppm	ppm
Avge	-.01513	.00746	.0617	.5334	4.605
SDev	.00588	.01143	.0001	.0004	.011
%RSD	38.851	153.22	.0777	.0714	.2415
#1	-.01929	.01554	.0617	.5337	4.612
#2	-.01097	-.00062	.0616	.5332	4.597
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5345	--	--	--	--	--	--
SDev	3.818308	--	--	--	--	--	--
%RSD	.0714394	--	--	--	--	--	--
#1	5342	--	--	--	--	--	--
#2	5348	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DW72D Operator: KT
Run Time: 03/13/01 20:14:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05881	L-.01056	.00289	151.40	.08525	1.5137	.00525
SDev	.00007	.00066	.00011	.41	.00489	.0001	.00000
%RSD	.11250	6.2630	3.7849	.26865	5.7402	.00838	.05438
#1	.05876	L-.01103	.00297	151.68	.08871	1.5138	.00525
#2	.05885	L-.01009	.00281	151.11	.08179	1.5136	.00524
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00321	286.07	.26956	.09981	.30074	236.09	104.80
SDev	.00043	1.29	.00056	.00036	.00108	.75	.05
%RSD	13.452	.44992	.20595	.36417	.36014	.31961	.04495
#1	-.00290	285.16	.26917	.09956	.30150	235.56	104.76
#2	-.00351	286.98	.26996	.10007	.29997	236.62	104.83
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5701	.00388	.21807	-.00078	9.4110	.01291	14.190
SDev	.0159	.00100	.00131	.00006	.1211	.00264	.025
%RSD	.34698	25.903	.60028	7.6820	1.2871	20.431	.17803
#1	4.5589	.00459	.21715	-.00082	9.4967	.01478	14.172
#2	4.5813	.00317	.21900	-.00074	9.3254	.01105	14.208
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.42624	.63554	-.00360	.00135	.00596	.08091	.04777
SDev	.00189	.00210	.00809	.00215	.00397	.00240	.00130
%RSD	.44257	.33046	224.53	158.39	66.532	2.9711	2.7198
#1	.42491	.63405	.00212	.00287	.00316	.08261	.04685
#2	.42758	.63702	-.00933	-.00016	.00877	.07921	.04869
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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Units			ppm	ppm	ppm
Avge	-.02029	-.00570	.0311	2.080	6.869
SDev	.00202	.00002	.0009	.000	.005
%RSD	9.9664	.31639	2.864	.0144	.0799
#1	-.02173	-.00569	.0305	2.080	6.865
#2	-.01886	-.00572	.0318	2.080	6.873
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5155	--	--	--	--	--	--
SDev	1.980106	--	--	--	--	--	--
%RSD	.0384140	--	--	--	--	--	--
#1	5153	--	--	--	--	--	--
#2	5156	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 03/13/01 20:20:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50867	.50028	.50495	24.580	.51008	2.0159	2.1112
SDev	.00218	.00037	.00817	.102	.00044	.0075	.0099
%RSD	.42960	.07366	1.6170	.41537	.08542	.37303	.46760
#1	.50712	.50002	.49917	24.508	.51039	2.0105	2.1043
#2	.51021	.50054	.51072	24.652	.50977	2.0212	2.1182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51212	105.35	2.0950	2.0636	1.9692	26.206	101.27
SDev	.00238	.50	.0114	.0087	.0095	.065	.42
%RSD	.46577	.47559	.54372	.42238	.48111	.24882	.41667
#1	.51043	105.00	2.0869	2.0574	1.9625	26.160	100.97
#2	.51380	105.70	2.1031	2.0697	1.9759	26.252	101.57
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0811	2.0511	2.0518	1.0118	49.666	1.0042	2.0699
SDev	.0101	.0444	.0092	.0045	.200	.0110	.0083
%RSD	.48651	2.1652	.45048	.44755	.40175	1.0926	.40151
#1	2.0739	2.0197	2.0453	1.0086	49.525	.99645	2.0641
#2	2.0882	2.0825	2.0583	1.0150	49.808	1.0120	2.0758
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0745	2.1019	2.0277	.50631	.50221	.50978	.50811
SDev	.0101	.0104	.0211	.01026	.00398	.00218	.00219
%RSD	.48637	.49268	1.0408	2.0255	.79197	.42760	.43060
#1	2.0673	2.0946	2.0128	.49906	.49939	.50824	.50656
#2	2.0816	2.1092	2.0426	.51357	.50502	.51132	.50966
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.49826	.50129	2.001	2.051	2.036
SDev	.00116	.00003	.010	.008	.001
%RSD	.23215	.00499	.5178	.3905	.0352
#1	.49744	.50131	1.994	2.045	2.036
#2	.49908	.50127	2.009	2.057	2.037
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5232	--	--	--	--	--	--
SDev	34.05403	--	--	--	--	--	--
%RSD	.6508648	--	--	--	--	--	--
#1	5256	--	--	--	--	--	--
#2	5208	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 03/13/01 20:31:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00146	-.00180	.00209	-.04056	.00325	.00015	.00006
SDev	.00060	.00028	.00064	.00080	.00002	.00022	.00000
%RSD	41.167	15.630	30.787	1.9615	.68248	141.42	.83852
#1	.00189	-.00200	.00164	-.04112	.00327	.00031	.00006
#2	.00104	-.00160	.00255	-.04000	.00323	.00000	.00006
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	-.00153	-.00001	-.00033	-.00029	.00015	-.00201
SDev	.00035	.00076	.00027	.00000	.00018	.00424	.00422
%RSD	184.42	49.586	2414.9	.00908	60.790	2769.3	210.51
#1	.00006	-.00207	.00018	-.00033	-.00017	-.00285	.00098
#2	-.00044	-.00100	-.00021	-.00033	-.00042	.00315	-.00499
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00370	-.00032	-.00004	.10162	.00232	.00091
SDev	.00000	.00002	.00000	.00006	.02009	.00391	.00000
%RSD	49.547	.52855	.83859	137.82	19.773	168.33	.41604
#1	-.00000	.00369	-.00033	-.00000	.11583	-.00044	.00091
#2	-.00000	.00371	-.00032	-.00008	.08741	.00509	.00090
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00048	-.00001	.00007	.00223	.00183	.00039	.00199
SDev	.00000	.00000	.00003	.00117	.00041	.00381	.00100
%RSD	.40558	39.123	48.642	52.601	22.461	964.54	50.115
#1	.00048	-.00001	.00009	.00140	.00212	.00309	.00129
#2	.00048	-.00001	.00004	.00305	.00154	-.00230	.00270
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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Units			ppm	ppm	ppm
Avge	-.00288	-.00126	.0000	.0001	.0015
SDev	.00512	.00298	.0000	.0001	.0021
%RSD	177.67	237.02	.0091	141.4	140.3
#1	.00074	-.00336	.0000	.0002	.0030
#2	-.00650	.00085	.0000	.0000	.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5347	--	--	--	--	--	--
SDev	22.99513	--	--	--	--	--	--
%RSD	.4300904	--	--	--	--	--	--
#1	5363	--	--	--	--	--	--
#2	5330	--	--	--	--	--	--

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 3/10/01
Time: 13:53:02

BATCH NUMBER: **1069112**

PREP DATE: 3/10/01
DUE DATE 3/15/01

COMP DATE: 3/10/01
INITIALS: JA

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E1C090309	DW7TV	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7T4	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7T7	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7VC	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7VD	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090309	DW7VF	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090319	DW7X7	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090323	DW70X	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090323	DW718	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090323	DW72D	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/15/01			
E1C090238	DW650	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		3/23/01			
	DW650S		1.01 g	_____g	_____g	_____g
	DW650D		1.01 g	_____g	_____g	_____g
E1C100000	DW8JGB	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DW8JGC		1.02 g	_____g	_____g	_____g

BOE-C6-0007106

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 3/10/01
Time: 13:53:02

BATCH NUMBER: **1069112**

PREP DATE: 3/10/01
DUE DATE 3/15/01

COMP DATE: 3/10/01
INITIALS: [signature]

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100 ML
B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS
SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE CD CO CR CU MO NI PB SB SE TL VX ZN

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS	_____	_____	____	___	___

SEVERN TRENT SERVICES

STL LOS ANGELES
Metals Preparation Work Sheet

Batch: 1069112

The following information applies to all samples associated with the above batch number.

Prepared By: [signature] Date/Time Initiated: 3/10/01 1200

Reviewed By: [signature] Date/Time Completed: 1615

Hot Plate/Block # 4 Temp* 95 °C Thermometer # FP-1811

*Thermometer correction applied. (CF +0.0 °C)

Spike Standards for LCS and MS/MSD samples.

	Volume	Lot #	Exp. Date
1. QSPK1A	1.0 mL	QSPK1A-012301-2	12/2002
2. QSPK1B	1 mL	QSKP1B-012301-1	11/2002
3. QSPK2A	/ mL	QSPK2A 120700-1	04/2002
4. QSPK2B	/ mL	QSPK2B-120700-1	12/2001

Reagents	Volume	Lot #
HNO_3	10 mL	6623 T09A058
H_2O_2	4 mL	5240T15A01
HCl	10 mL	5587 T24A01

SOP No. SANA-IP-0002, Revision 0

Method 3050B

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 HNO_3.
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
Step 6. Reduce volume to approx. 5 mL or heat for 2 hours.
Step 7. Cool and add 2 mL of water and 3 Ml of 30% H_2O_2.
Step 8. Heat until effervescence subsides.
Step 9. Cool and add 1 mL H_2O_2 with heat effervescence is minimal.
Step 10. Reduce volume to approx. 5 mL or heat for 2 hours.
Step 11. Add 10 mL of conc. HCl and heat for 15 min.
Step 12. Cool, rinse and filter sample with DI water.
Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: 3/10/01 [signature] Date: 3/10/01 Received By: [signature] Date: 03/12/01

C:\WINDOWS\TEMP\METALS_prep.doc
02/21/01