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

November 22, 2000

STL LOT NUMBER: **E0J270306**

Rus Purcell
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Purcell,

This report contains the analytical results for the two samples received under chain of custody by STL Los Angeles on October 27, 2000. These samples are associated with your Boeing Parcel C; C-6 project.

All applicable quality control procedures met method-specified acceptance criteria. Matrix related anomalies are footnoted within the report.

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

KENNEDY/JENKS CONSULTANTS

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

☐ 200 New Stine Rd., #116, Bakersfield, CA 93309
☐ 630 South 336th St., Federal Way, WA 98003
☐ 17310 Red Hill Ave., #220, Irvine, CA 92714
☐ 2191 East Bayshore Rd., #200, Palo Alto, CA 94303
☐ 6190 Neil Road, #300, Reno, NV 89502
☐ 3336 Bradshaw Rd., #140, Sacramento, CA 95827
☐ 303 Second St., San Francisco, CA 94107
☐ 1000 Hill Rd., #200, Ventura, CA 93003

POSSIBLE HAZARDS: _____

Date 10-27-00

Source of Samples Boeing - Parcel C

Sampler Name Shane Scrimshire

Phone 661-835-9785

Project No. 004034.00

Report To Jay Knight

Company Kennedy / Jenks

Address 2151 Michelson Dr. #100
Irvine CA. 92612

Phone 949-261-1577

Lab Destination STL

Address _____

Phone _____

Carrier/Way Bill No. _____

(1) Lab ID No.	(1) Client ID No.	COLLECTION Date	COLLECTION Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn-around	(5) ANALYSES REQUESTED: 8260	8015 TPH	Title 22 metals						Comment/Conditions (Container type, container number, etc.)
	Source - C-1-102700	10/27/00	0940	S	6"	—	—	1 week	X	X	X						
	Source - D-1-102700	"	1050	S	6"	—	—	"	X	X	X						

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analyses requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

SAMPLE RELINQUISHED BY:

Print Name	Signature	Company	Date	Time
Shane Scrimshire	[signature]	K/J	10/27/00	1200

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time
Rec colin	[signature]	STL	10/27/00	12:00

\MISC\CUSTODY2.FRM

000065.06

BOE-C6-0163422

000002

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 10/27/00

Quantims Lot #: BOJ 270306

Quote #:

Client Name: Kennedy / Jenks

Project: Bonita

Received by: AR

Date/Time Received: 10/27/00 @ 1200

Delivered by : [X] Client [ ] Airborne [ ] Fed Ex [ ] DHL [ ] Ultra-Ex [ ] Rey B. [ ] UPS [ ] DES [ ] Other _____

		Initial / Date
Custody Seal Status:	[ ] Intact [ ] Broken [X] None	AB 10/27/00
Custody Seal #(s):	[ ] No Seal #	
Sample Container(s):	[ ] STL-LA [X] Client [ ] N/A	
Temperature(s) (COOLER/BLANK) in °C:	Ambient (CORRECTED TEMP)	
Thermometer Used :	[ ] IR (Infra-red) [ ] Digital (Probe)	
Samples:	[ ] Intact [ ] Broken [ ] Other	
Anomalies:	[ ] No [ ] Yes (See Clouseau)	
Labeled by		
Labeling checked by		

Turn Around Time: [ ] RUSH–24HR [ ] RUSH–48HR [ ] RUSH–72HR [X] NORMAL

Short-Hold Notification: [ ] Ph [ ] Wet Chem [ ] Metals (Filter/Pres) [ ] Encore [X] N/A

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

_____

_____

_____

_____

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

Fraction	1, 2										PH
VOAh /*											N/A
P Sleeve	1										

A:HCl ss:Sodium Hydroxide zns:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3–Field filtered n/l: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: AB 10/27/00 REVIEWED BY/DATE: SGR 10/25/00

000003

BOE-C6-0163423

EXECUTIVE SUMMARY - Detection Highlights

E0J270306

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SOURCE-C-1-102700 10/27/00 09:40 001				
C14-C15	5.9 J	10	mg/kg	SW846 8015B
C16-C17	5.1 J	10	mg/kg	SW846 8015B
C18-C19	5.1 J	10	mg/kg	SW846 8015B
C20-C23	8.0 J	10	mg/kg	SW846 8015B
C24-C27	10	10	mg/kg	SW846 8015B
C28-C31	15	10	mg/kg	SW846 8015B
C32-C35	30	10	mg/kg	SW846 8015B
C36-C39	30	10	mg/kg	SW846 8015B
C40+	13	10	mg/kg	SW846 8015B
Total Carbon Chain Range	130	10	mg/kg	SW846 8015B
Aluminum	23100	20.0	mg/kg	SW846 6010B
Arsenic	4.3	1.0	mg/kg	SW846 6010B
Antimony	0.57 B	6.0	mg/kg	SW846 6010B
Barium	245	2.0	mg/kg	SW846 6010B
Cadmium	0.96	0.50	mg/kg	SW846 6010B
Chromium	27.9	1.0	mg/kg	SW846 6010B
Beryllium	0.68	0.50	mg/kg	SW846 6010B
Lead	10.6	0.50	mg/kg	SW846 6010B
Cobalt	12.4	5.0	mg/kg	SW846 6010B
Copper	25.9	2.5	mg/kg	SW846 6010B
Molybdenum	1.4 B	4.0	mg/kg	SW846 6010B
Nickel	19.7	4.0	mg/kg	SW846 6010B
Vanadium	51.9	5.0	mg/kg	SW846 6010B
Zinc	67.6	2.0	mg/kg	SW846 6010B
SOURCE-D-1-102700 10/27/00 10:50 002				
Total Carbon Chain Range	6.7 J	10	mg/kg	SW846 8015B
Mercury	0.037 B	0.10	mg/kg	SW846 7471A
Aluminum	14700	20.0	mg/kg	SW846 6010B
Arsenic	5.5	1.0	mg/kg	SW846 6010B
Antimony	0.45 B	6.0	mg/kg	SW846 6010B
Barium	152	2.0	mg/kg	SW846 6010B
Cadmium	0.58	0.50	mg/kg	SW846 6010B
Chromium	22.6	1.0	mg/kg	SW846 6010B
Beryllium	0.44 B	0.50	mg/kg	SW846 6010B
Lead	5.4	0.50	mg/kg	SW846 6010B
Cobalt	9.1	5.0	mg/kg	SW846 6010B
Copper	27.7	2.5	mg/kg	SW846 6010B
Molybdenum	2.4 B	4.0	mg/kg	SW846 6010B
Nickel	17.6	4.0	mg/kg	SW846 6010B
Vanadium	42.9	5.0	mg/kg	SW846 6010B
Zinc	52.3	2.0	mg/kg	SW846 6010B

METHODS SUMMARY

E0J270306

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.

SAMPLE SUMMARY

E0J270306

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DN0TG	001	SOURCE-C-1-102700	10/27/00	09:40
DN0TK	002	SOURCE-D-1-102700	10/27/00	10:50

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-C-1-102700

GC Semivolatiles

Lot-Sample #...:	E0J270306-001	Work Order #...:	DN0TG1AC	Matrix.....:	SOLID
Date Sampled...:	10/27/00 09:40	Date Received..:	10/27/00 12:00	MS Run #.....:	0304283
Prep Date.....:	10/30/00	Analysis Date..:	11/14/00		
Prep Batch #...:	0304501	Analysis Time..:	21:02		
Dilution Factor:	1				
% Moisture.....:		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	5.9 J	10	mg/kg	5.0
C16-C17	5.1 J	10	mg/kg	5.0
C18-C19	5.1 J	10	mg/kg	5.0
C20-C23	8.0 J	10	mg/kg	5.0
C24-C27	10	10	mg/kg	5.0
C28-C31	15	10	mg/kg	5.0
C32-C35	30	10	mg/kg	5.0
C36-C39	30	10	mg/kg	5.0
C40+	13	10	mg/kg	5.0
Total Carbon Chain Range	130	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	106	(60 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-C-1-102700

GC Volatiles

Lot-Sample #...:	E0J270306-001	Work Order #...:	DN0TG1AD	Matrix.....:	SOLID
Date Sampled...:	10/27/00 09:40	Date Received..:	10/27/00 12:00	MS Run #.....:	0318204
Prep Date.....:	11/02/00	Analysis Date..:	11/02/00		
Prep Batch #...:	0315361	Analysis Time..:	03:37		
Dilution Factor:	1				
% Moisture.....:		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)	90	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-C-1-102700

GC/MS Volatiles

Lot-Sample #...:	E0J270306-001	Work Order #...:	DN0TG1AA	Matrix.....:	SOLID
Date Sampled...:	10/27/00 09:40	Date Received..:	10/27/00 12:00	MS Run #.....:	0309032
Prep Date.....:	11/04/00	Analysis Date..:	11/04/00		
Prep Batch #...:	0309145	Analysis Time..:	06:29		
Dilution Factor:	1				
% Moisture.....:		Analyst ID.....:	015590	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-C-1-102700

GC/MS Volatiles

Lot-Sample #...: E0J270306-001 Work Order #...: DN0TG1AA 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
t-Butanol	ND	100	ug/kg	50
Isopropyl ether	ND	10	ug/kg	1.0
Tert-amyl methyl ether	ND	10	ug/kg	2.0
Tert-butyl ethyl ether	ND	10	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	111	(70 - 130)
1,2-Dichloroethane-d4	103	(60 - 140)
Toluene-d8	107	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-D-1-102700

GC Semivolatiles

Lot-Sample #...:	E0J270306-002	Work Order #...:	DN0TK1AD	Matrix.....:	SOLID
Date Sampled...:	10/27/00 10:50	Date Received..:	10/27/00 12:00	MS Run #.....:	0304283
Prep Date.....:	10/30/00	Analysis Date..:	11/14/00		
Prep Batch #...:	0304501	Analysis Time..:	22:58		
Dilution Factor:	1				
% Moisture.....:		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	**6.7 J**	**10**	**mg/kg**	**5.0**

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

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-D-1-102700

GC Volatiles

Lot-Sample #...:	E0J270306-002	Work Order #...:	DN0TK1AE	Matrix.....:	SOLID
Date Sampled...:	10/27/00 10:50	Date Received..:	10/27/00 12:00	MS Run #.....:	0318204
Prep Date.....:	11/02/00	Analysis Date..:	11/02/00		
Prep Batch #...:	0315361	Analysis Time..:	04:05		
Dilution Factor:	1				
% Moisture.....:		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)	91	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-D-1-102700

GC/MS Volatiles

Lot-Sample #...: E0J270306-002 Work Order #...: DN0TK1AC Matrix.....: SOLID
Date Sampled...: 10/27/00 10:50 Date Received..: 10/27/00 12:00 MS Run #.....: 0309032
Prep Date.....: 11/04/00 Analysis Date..: 11/04/00
Prep Batch #...: 0309145 Analysis Time..: 07:02
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 015590 Instrument ID..: MSG
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	500	ug/kg	170
Chloromethane	ND	500	ug/kg	200
Vinyl chloride	ND	500	ug/kg	150
Bromomethane	ND	500	ug/kg	250
Chloroethane	ND	500	ug/kg	250
Trichlorofluoromethane	ND	500	ug/kg	70
Acrolein	ND	5000	ug/kg	2000
1,1-Dichloroethene	ND	250	ug/kg	120
Iodomethane	ND	500	ug/kg	250
Acetone	ND	1200	ug/kg	400
Carbon disulfide	ND	250	ug/kg	100
Methylene chloride	ND	250	ug/kg	50
trans-1,2-Dichloroethene	ND	250	ug/kg	120
Acrylonitrile	ND	2500	ug/kg	2000
Methyl tert-butyl ether	ND	250	ug/kg	100
1,1-Dichloroethane	ND	250	ug/kg	100
Vinyl acetate	ND	500	ug/kg	250
2,2-Dichloropropane	ND	250	ug/kg	60
cis-1,2-Dichloroethene	ND	250	ug/kg	100
2-Butanone	ND	1200	ug/kg	500
Bromochloromethane	ND	250	ug/kg	75
Chloroform	ND	250	ug/kg	70
Tetrahydrofuran	ND	1000	ug/kg	500
1,1,1-Trichloroethane	ND	250	ug/kg	70
1,1-Dichloropropene	ND	250	ug/kg	100
Carbon tetrachloride	ND	250	ug/kg	60
Benzene	ND	250	ug/kg	100
1,2-Dichloroethane	ND	250	ug/kg	70
Trichloroethene	ND	250	ug/kg	60
1,2-Dichloropropane	ND	250	ug/kg	100
Bromodichloromethane	ND	250	ug/kg	100
2-Chloroethyl vinyl ether	ND	500	ug/kg	250
cis-1,3-Dichloropropene	ND	250	ug/kg	100
4-Methyl-2-pentanone	ND	1200	ug/kg	400
Toluene	ND	250	ug/kg	60
trans-1,3-Dichloropropene	ND	250	ug/kg	70
1,1,2-Trichloroethane	ND	250	ug/kg	100

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-D-1-102700

GC/MS Volatiles

Lot-Sample #...: E0J270306-002 Work Order #...: DN0TK1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	250	ug/kg	80
2-Hexanone	ND	1200	ug/kg	300
Dibromochloromethane	ND	250	ug/kg	100
1,2-Dibromoethane	ND	250	ug/kg	70
Chlorobenzene	ND	250	ug/kg	100
Ethylbenzene	ND	250	ug/kg	70
Xylenes (total)	ND	250	ug/kg	170
Styrene	ND	500	ug/kg	100
Bromoform	ND	250	ug/kg	100
Isopropylbenzene	ND	250	ug/kg	120
p-Isopropyltoluene	ND	250	ug/kg	70
Bromobenzene	ND	250	ug/kg	70
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	50
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	100
1,2,3-Trichloropropane	ND	250	ug/kg	110
n-Propylbenzene	ND	250	ug/kg	110
2-Chlorotoluene	ND	250	ug/kg	70
4-Chlorotoluene	ND	250	ug/kg	70
1,3,5-Trimethylbenzene	ND	250	ug/kg	120
tert-Butylbenzene	ND	250	ug/kg	70
1,2,4-Trimethylbenzene	ND	250	ug/kg	70
sec-Butylbenzene	ND	250	ug/kg	70
1,3-Dichlorobenzene	ND	250	ug/kg	70
1,4-Dichlorobenzene	ND	250	ug/kg	100
1,2-Dichlorobenzene	ND	250	ug/kg	100
n-Butylbenzene	ND	250	ug/kg	70
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	150
1,2,4-Trichloro-benzene	ND	250	ug/kg	70
Hexachlorobutadiene	ND	250	ug/kg	70
1,2,3-Trichlorobenzene	ND	250	ug/kg	70
t-Butanol	ND	5000	ug/kg	2500
Isopropyl ether	ND	500	ug/kg	100
Tert-amyl methyl ether	ND	500	ug/kg	100
Tert-butyl ethyl ether	ND	500	ug/kg	100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(70 - 130)
1,2-Dichloroethane-d4	101	(60 - 140)
Toluene-d8	106	(70 - 130)

KENNEDY/JENKS CONSULTANTS

SOURCE-C-1-102700

GC/MS Volatiles

Lot-Sample #: E0J270306-001 **Work Order #:** DN0TG1AA **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/kg

KENNEDY/JENKS CONSULTANTS

SOURCE-D-1-102700

GC/MS Volatiles

Lot-Sample #: E0J270306-002 **Work Order #:** DN0TK1AC **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/kg

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-C-1-102700

TOTAL Metals

Lot-Sample #...: E0J270306-001 Matrix.....: SOLID
Date Sampled...: 10/27/00 09:40 Date Received..: 10/27/00 12:00
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0304272						
Aluminum	23100	20.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AE
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 8.0	
Arsenic	4.3	1.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AF
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.40	
Antimony	0.57 B	6.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AG
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.20	
Barium	245	2.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AH
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Cadmium	0.96	0.50	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AJ
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.050	
Chromium	27.9	1.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AK
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Beryllium	0.68	0.50	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AL
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.050	
Lead	10.6	0.50	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AM
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AN
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.40	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-C-1-102700

TOTAL Metals

Lot-Sample #...: E0J270306-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	1.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AP
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Cobalt	12.4	5.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AQ
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Copper	25.9	2.5	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AR
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.40	
Molybdenum	1.4 B	4.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AT
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.30	
Nickel	19.7	4.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AU
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AV
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.50	
Vanadium	51.9	5.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AW
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Zinc	67.6	2.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TG1AX
		Dilution Factor: 1		Analysis Time..: 00:09	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 1.0	

Prep Batch #...: 0304278

Mercury	ND	0.10	mg/kg	SW846 7471A	10/31-11/02/00	DN0TG1A0
		Dilution Factor: 1		Analysis Time..: 10:03	Analyst ID.....: 0210880	
		Instrument ID..: M04		MS Run #.....: 0304135	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-D-1-102700

TOTAL Metals

Lot-Sample #...: E0J270306-002 Matrix.....: SOLID
Date Sampled...: 10/27/00 10:50 Date Received..: 10/27/00 12:00
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0304272						
Aluminum	14700	20.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AF
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 8.0	
Arsenic	5.5	1.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AG
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.40	
Antimony	0.45 B	6.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AH
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.20	
Barium	152	2.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AJ
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Cadmium	0.58	0.50	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AK
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.050	
Chromium	22.6	1.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AL
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Beryllium	0.44 B	0.50	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AM
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.050	
Lead	5.4	0.50	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AN
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AP
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.40	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: SOURCE-D-1-102700

TOTAL Metals

Lot-Sample #...: E0J270306-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	1.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AQ
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Cobalt	9.1	5.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AR
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Copper	27.7	2.5	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AT
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.40	
Molybdenum	2.4 B	4.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AU
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.30	
Nickel	17.6	4.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AV
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AW
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.50	
Vanadium	42.9	5.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1AX
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 0.10	
Zinc	52.3	2.0	mg/kg	SW846 6010B	10/30-11/02/00	DN0TK1A0
		Dilution Factor: 1		Analysis Time..: 00:17	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 0304130	MDL.....: 1.0	
Prep Batch #...: 0304278						
Mercury	0.037 B	0.10	mg/kg	SW846 7471A	10/31-11/02/00	DN0TK1AA
		Dilution Factor: 1		Analysis Time..: 10:05	Analyst ID.....: 0210880	
		Instrument ID..: M04		MS Run #.....: 0304135	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E0J270306

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		0304501	0304283
	SOLID	SW846 8015B		0315361	0318204
	SOLID	SW846 7471A		0304278	0304135
	SOLID	SW846 8260B		0309145	0309032
	SOLID	SW846 6010B		0304272	0304130
002	SOLID	SW846 8015B		0304501	0304283
	SOLID	SW846 8015B		0315361	0318204
	SOLID	SW846 7471A		0304278	0304135
	SOLID	SW846 8260B		0309145	0309032
	SOLID	SW846 6010B		0304272	0304130

KENNEDY/JENKS CONSULTANTS

Method Blank Report

GC/MS Volatiles

Lot-Sample #: E0K040000-145 B **Work Order #:** DPDFD1AA **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/kg

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E0J270306
MB Lot-Sample #: E0J300000-501
Analysis Date..: 11/14/00
Dilution Factor: 1

Work Order #...: DN3HX1AA
Prep Date.....: 10/30/00
Prep Batch #...: 0304501
Analyst ID.....: 356074

Matrix.....: SOLID
Analysis Time..: 19:45
Instrument ID..: G03

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.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0J270306 **Work Order #...:** DPDFD1AA **Matrix.....:** SOLID
MB Lot-Sample #: E0K040000-145

Prep Date.....: 11/03/00 **Analysis Time..:** 22:15
Analysis Date..: 11/03/00 **Prep Batch #...:** 0309145 **Instrument ID..:** MSG
Dilution Factor: 1

Analyst ID.....: 015590

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
-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 #...: E0J270306 **Work Order #...:** DPDFD1AA **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
t-Butanol	ND	100	ug/kg	SW846 8260B
Isopropyl ether	ND	10	ug/kg	SW846 8260B
Tert-amyl methyl ether	ND	10	ug/kg	SW846 8260B
Tert-butyl ethyl ether	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(70 - 130)
1,2-Dichloroethane-d4	93	(60 - 140)
Toluene-d8	107	(70 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E0J270306
MB Lot-Sample #: E0K100000-361
Analysis Date..: 11/01/00
Dilution Factor: 1

Work Order #...: DPQ8X1AA
Prep Date.....: 11/01/00
Prep Batch #...: 0315361
Analyst ID.....: 001464

Matrix.....: SOLID
Analysis Time..: 21:27
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)	68	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E0J300000-272 **Prep Batch #...:** 0304272						
Aluminum	ND	20.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AA
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AC
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	**0.39 B**	**6.0**	**mg/kg**	**SW846 6010B**	**10/30-11/01/00**	**DN2QG1AD**
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AE
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AF
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	**0.11 B**	**1.0**	**mg/kg**	**SW846 6010B**	**10/30-11/01/00**	**DN2QG1AG**
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AH
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	ND	0.50	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AJ
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AK
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AL
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AM
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	2.5	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AN
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AP
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	ND	4.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AQ
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AR
		Dilution Factor: 1				
		Analysis Time..: 21:20		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AT
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	10/30-11/01/00	DN2QG1AU
		Dilution Factor: 1				
		Analysis Time..: 19:22		Analyst ID.....: 003119	Instrument ID..: M01	

MB Lot-Sample #: E0J300000-278 **Prep Batch #...:** 0304278

Mercury	ND	0.10	mg/kg	SW846 7471A	10/31-11/01/00	DN2QP1AA
		Dilution Factor: 1				
		Analysis Time..: 18:01		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.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E0J270306 Work Order #...: DN3HX1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J300000-501
Prep Date.....: 10/30/00 Analysis Date..: 11/14/00
Prep Batch #...: 0304501 Analysis Time..: 20:24
Dilution Factor: 1 Instrument ID..: G03
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**262**	**mg/kg**	**105**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	114	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E0J270306 Work Order #...: DPDFD1AC Matrix.....: SOLID
LCS Lot-Sample#: E0K040000-145
Prep Date.....: 11/03/00 Analysis Date..: 11/03/00
Prep Batch #...: 0309145 Analysis Time..: 21:42
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 015590

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	50.0	69.2	ug/kg	138	SW846 8260B
Benzene	50.0	56.7	ug/kg	113	SW846 8260B
Trichloroethene	50.0	61.0	ug/kg	122	SW846 8260B
Toluene	50.0	55.4	ug/kg	111	SW846 8260B
Chlorobenzene	50.0	52.7	ug/kg	105	SW846 8260B

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

GC Volatiles

Client Lot #...: E0J270306 Work Order #...: DPQ8X1AC Matrix.....: SOLID
LCS Lot-Sample#: E0K100000-361
Prep Date.....: 11/02/00 Analysis Date..: 11/02/00
Prep Batch #...: 0315361 Analysis Time..: 11:40
Dilution Factor: 1 Instrument ID..: G16
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**4.90**	**mg/kg**	**98**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	106	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E0J300000-272 **Prep Batch #...:** 0304272							
Aluminum	200	196	mg/kg	98	SW846 6010B	10/30-11/01/00	DN2QG1AV
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	200	191	mg/kg	95	SW846 6010B	10/30-11/01/00	DN2QG1AW
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	50.0	49.1	mg/kg	98	SW846 6010B	10/30-11/01/00	DN2QG1AX
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	200	205	mg/kg	102	SW846 6010B	10/30-11/01/00	DN2QG1A0
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	5.00	5.23	mg/kg	105	SW846 6010B	10/30-11/01/00	DN2QG1A1
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	20.0	21.0	mg/kg	105	SW846 6010B	10/30-11/01/00	DN2QG1A2
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	5.00	5.09	mg/kg	102	SW846 6010B	10/30-11/01/00	DN2QG1A3
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	50.0	50.4	mg/kg	101	SW846 6010B	10/30-11/01/00	DN2QG1A4
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	200	187	mg/kg	94	SW846 6010B	10/30-11/01/00	DN2QG1A5
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	5.00	4.90	mg/kg	98	SW846 6010B	10/30-11/01/00	DN2QG1A6
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	50.0	53.2	mg/kg	106	SW846 6010B	10/30-11/01/00	DN2QG1A7
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	25.0	25.7	mg/kg	103	SW846 6010B	10/30-11/01/00	DN2QG1A8
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	100	101	mg/kg	101	SW846 6010B	10/30-11/01/00	DN2QG1A9
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	50.0	52.8	mg/kg	106	SW846 6010B	10/30-11/01/00	DN2QG1CA
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	200	202	mg/kg	101	SW846 6010B	10/30-11/01/00	DN2QG1CC
			Dilution Factor: 1				
			Analysis Time..: 21:26		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	50.0	50.8	mg/kg	102	SW846 6010B	10/30-11/01/00	DN2QG1CD
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	50.0	49.9	mg/kg	100	SW846 6010B	10/30-11/01/00	DN2QG1CE
			Dilution Factor: 1				
			Analysis Time..: 19:28		Analyst ID.....: 003119	Instrument ID..: M01	

LCS Lot-Sample#: E0J300000-278 **Prep Batch #...:** 0304278

Mercury	0.833	0.865	mg/kg	104	SW846 7471A	10/31-11/01/00	DN2QP1AC
			Dilution Factor: 1				
			Analysis Time..: 18:03		Analyst ID.....: 021088	Instrument ID..: M04	

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E0J270306 Work Order #...: DN3HX1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J300000-501
Prep Date.....: 10/30/00 Analysis Date..: 11/14/00
Prep Batch #...: 0304501 Analysis Time..: 20:24
Dilution Factor: 1 Instrument ID..: G03
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**105**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	114	(60 - 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/MS Volatiles

Client Lot #...: E0J270306
LCS Lot-Sample#: E0K040000-145
Prep Date.....: 11/03/00
Prep Batch #...: 0309145
Dilution Factor: 1
Analyst ID.....: 015590

Work Order #...: DPDFD1AC
Analysis Date..: 11/03/00
Analysis Time..: 21:42
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	138	(60 - 150)	SW846 8260B
Benzene	113	(70 - 140)	SW846 8260B
Trichloroethene	122	(70 - 130)	SW846 8260B
Toluene	111	(70 - 130)	SW846 8260B
Chlorobenzene	105	(70 - 130)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(70 - 130)
1,2-Dichloroethane-d4	102	(60 - 140)
Toluene-d8	106	(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 #...: E0J270306 Work Order #...: DPQ8X1AC Matrix.....: SOLID
LCS Lot-Sample#: E0K100000-361
Prep Date.....: 11/02/00 Analysis Date..: 11/02/00
Prep Batch #...: 0315361 Analysis Time..: 11:40
Dilution Factor: 1 Instrument ID..: G16
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**98**	**(80 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	106	(60 - 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

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E0J300000-272 **Prep Batch #...:** 0304272					
Aluminum	98	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1AV
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	95	(75 - 115)	SW846 6010B	10/30-11/01/00	DN2QG1AW
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	98	(75 - 115)	SW846 6010B	10/30-11/01/00	DN2QG1AX
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Barium	102	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1A0
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	105	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1A1
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	105	(85 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1A2
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	102	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1A3
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Lead	101	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1A4
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	94	(70 - 115)	SW846 6010B	10/30-11/01/00	DN2QG1A5
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Silver	98	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1A6
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	106	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1A7
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Copper	103	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1A8
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	101	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1A9
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	106	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1CA
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	101	(75 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1CC
		Dilution Factor: 1			
		Analysis Time..: 21:26	Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	102	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1CD
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	100	(80 - 120)	SW846 6010B	10/30-11/01/00	DN2QG1CE
		Dilution Factor: 1			
		Analysis Time..: 19:28	Analyst ID.....: 003119	Instrument ID..: M01	

LCS Lot-Sample#: E0J300000-278 **Prep Batch #...:** 0304278

Mercury	104	(85 - 115)	SW846 7471A	10/31-11/01/00	DN2QP1AC
		Dilution Factor: 1			
		Analysis Time..: 18:03	Analyst ID.....: 021088	Instrument ID..: M04	

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID
Date Sampled...: 10/25/00 08:09 **Date Received..:** 10/25/00 17:05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT		UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E0J250275-002 **Prep Batch #...:** 0304272										
Aluminum										
	8780	200	9370	NC	mg/kg			SW846 6010B	10/30-11/01/00	DNRCV1A6
	8780	200	9150	NC	mg/kg			SW846 6010B	10/30-11/01/00	DNRCV1A7
			Dilution Factor: 1							
			Analysis Time..: 19:58			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 0304130							
Arsenic										
	2.7	200	184		mg/kg	91		SW846 6010B	10/30-11/01/00	DNRCV1A8
	2.7	200	191		mg/kg	94	3.4	SW846 6010B	10/30-11/01/00	DNRCV1A9
			Dilution Factor: 1							
			Analysis Time..: 19:58			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 0304130							
Antimony										
	0.96	50.0	21.9	N	mg/kg	42		SW846 6010B	10/30-11/01/00	DNRCV1CA
	0.96	50.0	21.8	N	mg/kg	42	0.31	SW846 6010B	10/30-11/01/00	DNRCV1CC
			Dilution Factor: 1							
			Analysis Time..: 19:58			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 0304130							
Barium										
	56.3	200	246		mg/kg	95		SW846 6010B	10/30-11/01/00	DNRCV1CD
	56.3	200	258		mg/kg	101	4.8	SW846 6010B	10/30-11/01/00	DNRCV1CE
			Dilution Factor: 1							
			Analysis Time..: 19:58			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 0304130							
Cadmium										
	0.30	5.00	5.22		mg/kg	98		SW846 6010B	10/30-11/01/00	DNRCV1CF
	0.30	5.00	5.37		mg/kg	101	2.7	SW846 6010B	10/30-11/01/00	DNRCV1CG
			Dilution Factor: 1							
			Analysis Time..: 19:58			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 0304130							
Chromium										
	16.2	20.0	35.5		mg/kg	96		SW846 6010B	10/30-11/01/00	DNRCV1CH
	16.2	20.0	36.2		mg/kg	100	1.9	SW846 6010B	10/30-11/01/00	DNRCV1CJ
			Dilution Factor: 1							
			Analysis Time..: 19:58			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 0304130							

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID
Date Sampled...: 10/25/00 08:09 **Date Received..:** 10/25/00 17:05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	0.32	5.00	5.19	mg/kg	97		SW846 6010B	10/30-11/01/00	DNRCV1CK
	0.32	5.00	5.32	mg/kg	100	2.5	SW846 6010B	10/30-11/01/00	DNRCV1CL
				Dilution Factor: 1					
				Analysis Time..: 19:58		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 0304130					
Lead									
	3.2	50.0	50.3	mg/kg	94		SW846 6010B	10/30-11/01/00	DNRCV1CM
	3.2	50.0	52.1	mg/kg	98	3.4	SW846 6010B	10/30-11/01/00	DNRCV1CN
				Dilution Factor: 1					
				Analysis Time..: 19:58		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 0304130					
Selenium									
	ND	200	179	mg/kg	89		SW846 6010B	10/30-11/01/00	DNRCV1CP
	ND	200	184	mg/kg	92	2.6	SW846 6010B	10/30-11/01/00	DNRCV1CQ
				Dilution Factor: 1					
				Analysis Time..: 19:58		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 0304130					
Silver									
	ND	5.00	4.37	mg/kg	87		SW846 6010B	10/30-11/01/00	DNRCV1CR
	ND	5.00	4.54	mg/kg	91	3.8	SW846 6010B	10/30-11/01/00	DNRCV1CT
				Dilution Factor: 1					
				Analysis Time..: 19:58		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 0304130					
Cobalt									
	6.0	50.0	55.4	mg/kg	99		SW846 6010B	10/30-11/01/00	DNRCV1CU
	6.0	50.0	57.9	mg/kg	104	4.3	SW846 6010B	10/30-11/01/00	DNRCV1CV
				Dilution Factor: 1					
				Analysis Time..: 19:58		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 0304130					
Copper									
	13.1	25.0	37.0	mg/kg	96		SW846 6010B	10/30-11/01/00	DNRCV1CW
	13.1	25.0	42.2	mg/kg	116	13	SW846 6010B	10/30-11/01/00	DNRCV1CX
				Dilution Factor: 1					
				Analysis Time..: 19:58		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 0304130					
Molybdenum									
	0.65	100	94.2	mg/kg	94		SW846 6010B	10/30-11/01/00	DNRCV1C0
	0.65	100	97.2	mg/kg	96	3.1	SW846 6010B	10/30-11/01/00	DNRCV1C1
				Dilution Factor: 1					
				Analysis Time..: 19:58		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 0304130					

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID
Date Sampled...: 10/25/00 08:09 **Date Received..:** 10/25/00 17:05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	10.3	50.0	59.4	mg/kg	98		SW846 6010B	10/30-11/01/00	DNRCV1C2
	10.3	50.0	61.0	mg/kg	101	2.6	SW846 6010B	10/30-11/01/00	DNRCV1C3
				Dilution Factor: 1					
				Analysis Time..: 19:58	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 0304130					
Thallium									
	0.97	200	192	mg/kg	96		SW846 6010B	10/30-11/01/00	DNRCV1C4
	0.97	200	199	mg/kg	99	3.5	SW846 6010B	10/30-11/01/00	DNRCV1C5
				Dilution Factor: 1					
				Analysis Time..: 21:56	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 0304130					
Vanadium									
	31.2	50.0	77.3	mg/kg	92		SW846 6010B	10/30-11/01/00	DNRCV1C6
	31.2	50.0	80.9	mg/kg	100	4.6	SW846 6010B	10/30-11/01/00	DNRCV1C7
				Dilution Factor: 1					
				Analysis Time..: 19:58	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 0304130					
Zinc									
	27.8	50.0	74.7	mg/kg	94		SW846 6010B	10/30-11/01/00	DNRCV1C8
	27.8	50.0	78.1	mg/kg	101	4.4	SW846 6010B	10/30-11/01/00	DNRCV1C9
				Dilution Factor: 1					
				Analysis Time..: 19:58	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 0304130					

MS Lot-Sample #: E0J250275-002 **Prep Batch #...:** 0304278

Mercury									
	ND	0.167	0.168	mg/kg	101		SW846 7471A	10/31-11/01/00	DNRCV1DA
	ND	0.167	0.167	mg/kg	100	0.99	SW846 7471A	10/31-11/01/00	DNRCV1DC
				Dilution Factor: 1					
				Analysis Time..: 18:10	Instrument ID..: M04			Analyst ID.....: 021088	
				MS Run #.....: 0304135					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E0J270306	Work Order #...:	DNWCJ1A0-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E0J260321-017		DNWCJ1A1-MSD		
Date Sampled...:	10/26/00 13:07	Date Received..:	10/26/00 16:40	MS Run #.....:	0309032
Prep Date.....:	11/03/00	Analysis Date..:	11/03/00		
Prep Batch #...:	0309145	Analysis Time..:	23:22		
Dilution Factor:	1	% Moisture.....:	100	Analyst ID.....:	015590
Instrument ID..:	MSG				

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	49.7	ug/kg	99		SW846 8260B
	ND	50.0	50.3	ug/kg	101	1.2	SW846 8260B
Benzene	ND	50.0	51.8	ug/kg	104		SW846 8260B
	ND	50.0	52.2	ug/kg	104	0.73	SW846 8260B
Trichloroethene	2.1	50.0	49.3	ug/kg	94		SW846 8260B
	2.1	50.0	50.0	ug/kg	96	1.3	SW846 8260B
Toluene	ND	50.0	49.7	ug/kg	99		SW846 8260B
	ND	50.0	51.3	ug/kg	103	3.2	SW846 8260B
Chlorobenzene	ND	50.0	47.5	ug/kg	95		SW846 8260B
	ND	50.0	48.6	ug/kg	97	2.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	108	(70 - 130)
	110	(70 - 130)
1,2-Dichloroethane-d4	99	(60 - 140)
	99	(60 - 140)
Toluene-d8	105	(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

GC Semivolatiles

Client Lot #...:	E0J270306	**Work Order #...:**	DN0TG1A1-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E0J270306-001		DN0TG1A2-MSD		
Date Sampled...:	10/27/00 09:40	**Date Received..:**	10/27/00 12:00	**MS Run #.....:**	0304283
Prep Date.....:	10/30/00	**Analysis Date..:**	11/14/00		
Prep Batch #...:	0304501	**Analysis Time..:**	21:41		
Dilution Factor:	1	**% Moisture.....:**		**Analyst ID.....:**	356074
Instrument ID..:	G03				

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)		**250**	**255**	**mg/kg**	**102**		**SW846 8015B**
		250	**251**	**mg/kg**	**100**	**1.6**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	114	(60 - 130)
	121	(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 Volatiles

Client Lot #...:	E0J270306	Work Order #...:	DN34R1A3-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E0J310118-040		DN34R1A4-MSD		
Date Sampled...:	10/30/00 14:57	Date Received..:	10/30/00 17:20	MS Run #.....:	0318204
Prep Date.....:	11/02/00	Analysis Date..:	11/02/00		
Prep Batch #...:	0315361	Analysis Time..:	01:43		
Dilution Factor:	1	% Moisture.....:	100	Analyst ID.....:	001464
Instrument ID..:	G16				

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	ND	5.00	4.83	mg/kg	97		SW846 8015B
	ND	5.00	4.86	mg/kg	97	0.64	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	100	(60 - 130)
	97	(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 EVALUATION REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID
Date Sampled...: 10/25/00 08:09 **Date Received..:** 10/25/00 17:05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E0J250275-002 **Prep Batch #...:** 0304272							
Aluminum	NC	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1A6
	NC	(80 - 120)		(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1A7
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Arsenic	91	(75 - 115)			SW846 6010B	10/30-11/01/00	DNRCV1A8
	94	(75 - 115)	3.4	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1A9
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Antimony	42 N	(75 - 115)			SW846 6010B	10/30-11/01/00	DNRCV1CA
	42 N	(75 - 115)	0.31	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CC
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Barium	95	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1CD
	101	(80 - 120)	4.8	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CE
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Cadmium	98	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1CF
	101	(80 - 120)	2.7	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CG
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Chromium	96	(85 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1CH
	100	(85 - 120)	1.9	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CJ
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Beryllium	97	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1CK
	100	(80 - 120)	2.5	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CL
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID
Date Sampled...: 10/25/00 08:09 **Date Received..:** 10/25/00 17:05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	94	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1CM
	98	(80 - 120)	3.4	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CN
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Selenium	89	(70 - 115)			SW846 6010B	10/30-11/01/00	DNRCV1CP
	92	(70 - 115)	2.6	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CQ
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Silver	87	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1CR
	91	(80 - 120)	3.8	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CT
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Cobalt	99	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1CU
	104	(80 - 120)	4.3	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CV
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Copper	96	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1CW
	116	(80 - 120)	13	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1CX
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Molybdenum	94	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1C0
	96	(80 - 120)	3.1	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1C1
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Nickel	98	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1C2
	101	(80 - 120)	2.6	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1C3
		Dilution Factor: 1					
		Analysis Time..: 19:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					
Thallium	96	(75 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1C4
	99	(75 - 120)	3.5	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1C5
		Dilution Factor: 1					
		Analysis Time..: 21:56			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 0304130					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E0J270306 **Matrix.....:** SOLID
Date Sampled...: 10/25/00 08:09 **Date Received..:** 10/25/00 17:05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	92	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1C6
	100	(80 - 120)	4.6	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1C7

Dilution Factor: 1
Analysis Time..: 19:58 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 0304130

Zinc	94	(80 - 120)			SW846 6010B	10/30-11/01/00	DNRCV1C8
	101	(80 - 120)	4.4	(0-25)	SW846 6010B	10/30-11/01/00	DNRCV1C9

Dilution Factor: 1
Analysis Time..: 19:58 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 0304130

MS Lot-Sample #: E0J250275-002 **Prep Batch #...:** 0304278

Mercury	101	(80 - 120)			SW846 7471A	10/31-11/01/00	DNRCV1DA
	100	(80 - 120)	0.99	(0-20)	SW846 7471A	10/31-11/01/00	DNRCV1DC

Dilution Factor: 1
Analysis Time..: 18:10 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 0304135

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E0J270306	Work Order #...:	DNWCJ1A0-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E0J260321-017		DNWCJ1A1-MSD		
Date Sampled...:	10/26/00 13:07	Date Received..:	10/26/00 16:40	MS Run #.....:	0309032
Prep Date.....:	11/03/00	Analysis Date..:	11/03/00		
Prep Batch #...:	0309145	Analysis Time..:	23:22		
Dilution Factor:	1	% Moisture.....:	100	Analyst ID.....:	015590
Instrument ID..:	MSG				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**99**	**(60 - 150)**			**SW846 8260B**
	101	**(60 - 150)**	**1.2**	**(0-30)**	**SW846 8260B**
Benzene	**104**	**(70 - 140)**			**SW846 8260B**
	104	**(70 - 140)**	**0.73**	**(0-30)**	**SW846 8260B**
Trichloroethene	**94**	**(70 - 130)**			**SW846 8260B**
	96	**(70 - 130)**	**1.3**	**(0-30)**	**SW846 8260B**
Toluene	**99**	**(70 - 130)**			**SW846 8260B**
	103	**(70 - 130)**	**3.2**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**95**	**(70 - 130)**			**SW846 8260B**
	97	**(70 - 130)**	**2.1**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	108	(70 - 130)
	110	(70 - 130)
1,2-Dichloroethane-d4	99	(60 - 140)
	99	(60 - 140)
Toluene-d8	105	(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

GC Semivolatiles

Client Lot #...:	E0J270306	Work Order #...:	DN0TG1A1-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E0J270306-001		DN0TG1A2-MSD		
Date Sampled...:	10/27/00 09:40	Date Received..:	10/27/00 12:00	MS Run #.....:	0304283
Prep Date.....:	10/30/00	Analysis Date..:	11/14/00		
Prep Batch #...:	0304501	Analysis Time..:	21:41		
Dilution Factor:	1	% Moisture.....:		Analyst ID.....:	356074
Instrument ID..:	G03				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**102**	**(60 - 130)**			**SW846 8015B**
	100	**(60 - 130)**	**1.6**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	114	(60 - 130)
	121	(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 EVALUATION REPORT

GC Volatiles

Client Lot #...:	E0J270306	Work Order #...:	DN34R1A3-MS DN34R1A4-MSD	Matrix.....:	SOLID
MS Lot-Sample #:	E0J310118-040				
Date Sampled...:	10/30/00 14:57	Date Received..:	10/30/00 17:20	MS Run #.....:	0318204
Prep Date.....:	11/02/00	Analysis Date..:	11/02/00		
Prep Batch #...:	0315361	Analysis Time..:	01:43		
Dilution Factor:	1	% Moisture.....:	100	Analyst ID.....:	001464
Instrument ID..:	G16				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**97**	**(80 - 140)**			**SW846 8015B**
	97	**(80 - 140)**	**0.64**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	100	(60 - 130)
	97	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

Extended Raw Data

Level III

Project # E01270306

Analysis: 8260B

BOE-C6-0163472

8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 10/29/00-B

INSTRUMENT ID: G

SAMPLES: E0D270306

BOE-C6-0163473

STL Los A- 'es

Batch ID: _____

GC/MS VOA Run Log

FJK 11/7/00

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

Inst ID: MSG	EM Set: 1894	Tune File: BFB	Seq File: 1029BG
Init. Cal ID: 8260BFS 10-29-2000			Date: 10-29-00

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
14:15	GFB	GT1393	50ng BFB	—	—	1ul						1265-2
14:27		GS2342	20ppb 8260B STD	1	S	5g	1.0	165	✓			1284-2;81-2;83-2
15:00		43	5	2				155	✓			
15:33		44	50	3				141	✓			
16:06		45	100	4				370	N	U		;81-1 (IS not Sup)
16:38		46	400	5				105	N	U		
18:07		47	400	6				159	✓			;82-2
18:40		48	100	7				140	✓			
19:31	AM	G09382	SECOND SOURCE	8				145	✓			MSV0021282-1

GFB 10/30/00

BOE-C6-0163474

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2000 14:27
End Cal Date : 29-OCT-2000 18:40
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2008\D\chem\mg.i\1029BG.B\8260BGS.M
Cal Date : 30-Oct-2000 15:48 donga
Curve Type : Average

Calibration File Names:
Level 1: \\SANP2008\D\chem\mg.i\1029BG.B\GS2343.D
Level 2: \\SANP2008\D\chem\mg.i\1029BG.B\GS2342.D
Level 3: \\SANP2008\D\chem\mg.i\1029BG.B\GS2344.D
Level 4: \\SANP2008\D\chem\mg.i\1029BG.B\GS2348.D
Level 5: \\SANP2008\D\chem\mg.i\1029BG.B\GS2347.D

M 10/29/2000
GEB 10/30/00

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	0.56482	0.54103	0.47250	0.45360	0.47928	0.50225	9.547	
2 Vinyl chloride (*)	0.42158	0.40035	0.39353	0.33347	0.35325	0.38044	9.483	
3 Chloromethane (**)	0.40631	0.39806	0.38345	0.32978	0.34754	0.37303	8.854	
4 Bromomethane	0.27002	0.24969	0.17521	0.16963	0.13441	0.19979	28.764	
5 Chloroethane	0.24415	0.23902	0.15021	0.12545	0.08837	0.16944	40.996	<-
6 Trichlorofluoromethane	0.73135	0.74710	0.67471	0.61022	0.18917	0.59051	39.070	<-
7 Acrolein	0.03418	0.03842	0.03617	0.03105	0.02325	0.03261	18.073	
8 1,1-Dichloroethene(*)	0.31233	0.33478	0.29832	0.27020	0.24856	0.29284	11.633	
9 1,1,2-Trichlorotrifluoroethan	0.47722	0.47087	0.38632	0.38044	0.35429	0.41383	13.610	
10 Acetone	0.15082	0.13791	0.12405	0.10722	0.08765	0.12153	20.509	
11 Iodomethane	0.32695	0.47277	0.54903	0.49548	0.44832	0.45851	17.976	
12 Carbon disulfide	1.20962	1.11727	1.00708	0.89199	0.76129	0.99745	17.819	
13 Methylene chloride	0.36017	0.37510	0.34667	0.30960	0.30435	0.33918	9.177	
14 t-Butanol	0.00840	0.01103	0.00971	0.00954	0.00841	0.00942	11.553	
15 trans-1,2-Dichloroethene	0.36330	0.38682	0.33727	0.31082	0.31303	0.34225	9.575	
16 Acrylonitrile	0.11128	0.11647	0.10387	0.09149	0.08554	0.10173	12.817	
17 Methyl-tert-butyl ether[MTBE]	1.05853	1.02980	0.95807	0.89162	0.72214	0.93203	14.387	
18 1,1-Dichloroethane (**)	0.88023	0.87340	0.80843	0.73488	0.73259	0.80591	8.884	
19 Vinyl acetate	1.61145	1.57111	1.44414	1.33744	1.14633	1.42209	13.238	
20 Isopropyl ether	2.05994	1.94557	1.82135	1.69473	1.67351	1.83902	8.963	
21 2,2-Dichloropropane	0.73856	0.72527	0.61084	0.60172	0.59172	0.65362	11.007	
22 Tert-butyl ethyl ether	1.48768	1.48938	1.29344	1.35843	1.34149	1.39408	6.417	
23 cis-1,2-Dichloroethene	0.35587	0.37893	0.33317	0.33410	0.34881	0.35018	5.360	
24 2-Butanone	0.29126	0.27546	0.22453	0.22748	0.23148	0.25004	12.406	
25 Bromochloromethane	0.17895	0.21377	0.19055	0.16885	0.19341	0.18910	8.938	
26 Chloroform (*)	0.84951	0.81927	0.71904	0.66153	0.74335	0.75854	10.032	

* t-Butanol picked wrong peak for 400 std on original Quan. Integration corrected 10/30/00. Samples had no hits for t-Butanol that were quantitated 10/29 and 10/30 AM. GEB 10/30/00

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2000 14:27
End Cal Date : 29-OCT-2000 18:40
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2008\D\chem\mg.i\1029BG.B\8260BGS.M
Cal Date : 30-Oct-2000 15:48 donga
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	0.19882	0.19074	0.15160	0.14776	0.15216	0.16822	14.550
M	28 1,2-Dichloroethene (total)	0.35959	0.38288	0.33522	0.32246	0.33092	0.34621	7.137
	30 1,1,1-Trichloroethane	0.69553	0.68179	0.57145	0.54524	0.55288	0.60938	12.006
	31 Carbon Tetrachloride	0.59098	0.59049	0.52468	0.48939	0.48192	0.53549	9.889
	32 1,1-Dichloropropene	0.67917	0.64017	0.56922	0.55705	0.55183	0.59949	9.506
	34 1,2-Dichloroethane-d4 2nd	0.04618	0.09398	0.08315	0.08418	0.08968	0.07943	24.045
	35 Benzene	1.17660	1.06085	1.00105	0.94043	0.94643	1.02507	9.529
	36 1,2-Dichloroethane	0.60479	0.55979	0.55240	0.51151	0.47993	0.54168	8.829
	37 Tert-amyl methyl ether	1.00569	0.97079	0.98509	1.00081	0.94964	0.98240	2.330
	39 Trichloroethene	0.35245	0.44376	0.35605	0.34820	0.40559	0.38121	11.018
	40 1,2-Dichloropropane(*)	0.48376	0.56024	0.47551	0.44704	0.50222	0.49375	8.537
	41 Dibromomethane	0.31774	0.38810	0.33694	0.29255	0.29885	0.32684	11.747
	42 Bromodichloromethane	0.76946	0.85054	0.72503	0.67668	0.74947	0.75424	8.489
	43 1-Bromo-2-chloroethane	1.08459	1.02885	0.84814	0.78759	0.84858	0.91955	14.046
	44 2-Chloroethylvinyl ether	0.02718	0.06220	0.05772	0.05522	0.06978	0.05442	29.769
	45 cis-1,3-Dichloropropene	0.58997	0.68835	0.61902	0.57727	0.67321	0.62957	7.852
	46 4-Methyl-2-pentanone	0.57229	0.67509	0.56907	0.53704	0.50357	0.57141	11.253
	48 Toluene (*)	1.54876	1.62068	1.39161	1.39146	1.45130	1.48076	6.837
	49 trans-1,3-Dichloropropene	0.69113	0.78577	0.71809	0.74979	0.81070	0.75110	6.469
	50 1,1,2-Trichloroethane	0.50578	0.54877	0.47686	0.46495	0.47695	0.49466	6.830
	51 Tetrachloroethene	0.48267	0.51226	0.42094	0.44004	0.45971	0.46312	7.726
	52 1,3-Dichloropropane	0.94169	1.02175	0.88212	0.84172	0.89689	0.91683	7.492
	53 2-Hexanone	0.60411	0.65077	0.54800	0.55837	0.51026	0.57430	9.451
	54 Dibromochloromethane	0.82466	0.83256	0.74439	0.73086	0.74374	0.77524	6.333
	55 1,2-Dibromoethane	0.68624	0.71949	0.66157	0.64396	0.66521	0.67529	4.282
	57 Chlorobenzene (**)	1.10913	1.08556	0.97021	0.93157	0.98918	1.01713	7.527
	58 1,1,1,2-Tetrachloroethane	0.58131	0.57805	0.53254	0.50426	0.52031	0.54329	6.390
	59 Ethylbenzene (*)	0.51384	0.52432	0.47522	0.46637	0.46224	0.48840	5.864
	60 m,p-Xylenes	0.63486	0.64892	0.57417	0.56311	0.55793	0.59580	7.180
	61 o-Xylene	0.55896	0.61259	0.55872	0.56779	0.55484	0.57058	4.199
	62 Styrene	0.97318	1.05810	0.93815	0.94204	0.93302	0.96890	5.395
M	63 Xylenes (total)	0.60956	0.63681	0.56902	0.56467	0.55690	0.58739	5.847
	64 Bromoform (**)	0.63069	0.61769	0.58891	0.58821	0.56064	0.59723	4.607

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 29-OCT-2000 14:27
End Cal Date : 29-OCT-2000 18:40
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2008\D\chem\mg.i\1029BG.B\8260BGS.M
Cal Date : 30-Oct-2000 15:48 donga
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	1.71655	1.82444	1.62320	1.67314	1.59422	1.68631	5.356
66 4-Bromofluorobenzene-2nd	1.00389	1.15159	0.87560	0.88052	1.07626	0.99757	12.126
68 Bromobenzene	0.95316	1.07306	0.86852	0.85733	1.00898	0.95221	9.658
69 1,1,2,2-Tetrachloroethane(**)	1.74171	1.80770	1.45220	1.38786	1.47055	1.57200	12.024
70 1,2,3-Trichloropropane	0.30229	0.44512	0.36054	0.33520	0.40084	0.36880	15.141
71 n-Propylbenzene	4.16727	4.24757	3.43815	3.28517	4.01247	3.83013	11.469
72 2-Chlorotoluene	0.69688	0.83730	0.64564	0.64130	0.70170	0.70457	11.256
73 4-Chlorotoluene	0.71231	0.82238	0.65461	0.64046	0.76196	0.71834	10.531
74 1,3,5-Trimethylbenzene	2.77283	3.04232	2.31320	2.30795	2.59230	2.60572	12.029
75 tert-Butylbenzene	2.55997	2.66934	2.26862	2.23360	2.50082	2.44647	7.714
76 1,2,4-Trimethylbenzene	2.76350	2.76549	2.37681	2.33719	2.50511	2.54962	8.069
77 sec-Butylbenzene	3.59374	3.73133	3.11997	2.99460	3.39971	3.36787	9.211
78 1,3-Dichlorobenzene	1.72812	1.63140	1.37459	1.36269	1.50156	1.51967	10.506
80 1,4-Dichlorobenzene	1.76899	1.76623	1.46658	1.43533	1.48336	1.58410	10.631
81 p-Isopropyltoluene	2.98289	2.93821	2.40597	2.36585	2.48770	2.63613	11.373
82 1,2-Dichlorobenzene	1.52596	1.57361	1.36805	1.35690	1.36938	1.43878	7.148
83 n-Butylbenzene	3.08004	3.08782	2.46997	2.44635	2.74344	2.76553	11.327
84 1,2-Dibromo-3-chloropropane	0.32991	0.40141	0.37763	0.38462	0.39583	0.37788	7.511
85 1,2,4-Trichlorobenzene	1.10114	1.16905	0.99691	1.05148	1.19406	1.10253	7.391
86 Hexachlorobutadiene	0.88926	0.71767	0.64648	0.55289	0.85586	0.73243	19.269
87 Napthalene	2.00132	2.18949	1.94747	2.13701	1.94555	2.04417	5.505
88 1,2,3-Trichlorobenzene	1.10334	1.12848	0.94412	1.00497	1.08043	1.05227	7.229
$ 29 Dibromofluoromethane	0.63305	0.65167	0.56489	0.54465	0.60652	0.60016	7.498
$ 33 1,2-Dichloroethane-d4	0.53224	0.50671	0.48240	0.45051	0.42533	0.47944	8.914
$ 47 Toluene-d8	1.36136	1.39309	1.18067	1.18319	1.19326	1.26232	8.366
$ 67 4-Bromofluorobenzene	1.84625	2.12094	1.55484	1.56225	1.83338	1.78353	13.195

Data File: \\SANP2008\D\chem\mg.i\1029BG.B/GS2347.D
Report Date: 10/30/2000

INITIAL CALIBRATION REPORT

Instrument ID: mg.i
Lab File ID: GS2347.D
Analysis Type: SOIL

Injection Date: 29-OCT-2000 18:07
Lab Sample ID: 400 PPB 8260B
Method File: \\SANP2008\D\chem\mg.i\1029BG.B\8260BGS.

COMPOUND	%RSD
Dichlorodifluoromethane	9.5
Vinyl chloride (*)	9.5
Chloromethane (**)	8.9
Bromomethane	28.8
Chloroethane	41.0
Trichlorofluoromethane	39.1
1,1-Dichloroethene(*)	11.6
1,1,2-Trichlorotrifluoroethan	13.6
Acrolein	18.1
Iodomethane	18.0
Carbon disulfide	17.8
Acetone	20.5
Methylene chloride	9.2
trans-1,2-Dichloroethene	9.6
Acrylontrile	9.6
Methyl-tert-butyl ether[MTBE]	14.4
t-Butanol	11.6
1,1-Dichloroethane (**)	8.9
Vinyl acetate	13.2
Isopropyl ether	9.0
Tert-butyl ethyl ether	6.4
2,2-Dichloropropane	11.0
cis-1,2-Dichloroethene	5.4
2-Butanone	12.4
Bromochloromethane	8.9
Chloroform (*)	10.0
Tetrahydrofuran	14.6
1,2-Dichloroethene (total)	7.1
1,1,1-Trichloroethane	12.0
Dibromofluoromethane	7.5
Carbon Tetrachloride	9.9
1,1-Dichloropropene	9.5
1,2-Dichloroethane-d4 2nd	24.0
1,2-Dichloroethane-d4	8.9
Benzene	9.5
1,2-Dichloroethane	8.8
Tert-amyl methyl ether	2.3
Trichloroethene	11.0
1,2-Dichloropropane(*)	8.5

Data File: \\SANP2008\D\chem\mg.i\1029BG.B/GS2347.D
Report Date: 10/30/2000

INITIAL CALIBRATION REPORT

Instrument ID: mg.i
Lab File ID: GS2347.D
Analysis Type: SOIL

Injection Date: 29-OCT-2000 18:07
Lab Sample ID: 400 PPB 8260B
Method File: \\SANP2008\D\chem\mg.i\1029BG.B\8

COMPOUND	%RSD
Dibromomethane	11.7
Bromodichloromethane	8.5
1-Bromo-2-chloroethane	14.0
2-Chloroethylvinyl ether	29.8
cis-1,3-Dichloropropene	7.9
4-Methyl-2-pentanone	11.3
Toluene-d8	8.4
Toluene (*)	6.8
trans-1,3-Dichloropropene	6.5
1,1,2-Trichloroethane	6.8
Tetrachloroethene	7.7
1,3-Dichloropropane	7.5
2-Hexanone	9.5
Dibromochloromethane	6.3
1,2-Dibromoethane	4.3
Chlorobenzene (**)	7.5
1,1,1,2-Tetrachloroethane	6.4
Ethylbenzene (*)	5.9
m,p-Xylenes	7.2
o-Xylene	4.2
Styrene	5.4
Xylenes (total)	5.8
Bromoform (**)	4.6
Isopropylbenzene	5.4
4-Bromofluorobenzene-2nd	12.1
4-Bromofluorobenzene	13.2
Bromobenzene	9.7
1,1,2,2-Tetrachloroethane(**)	12.0
1,2,3-Trichloropropane	15.1
n-Propylbenzene	11.5
2-Chlorotoluene	11.3
4-Chlorotoluene	10.5
1,3,5-Trimethylbenzene	12.0
tert-Butylbenzene	7.7
1,2,4-Trimethylbenzene	8.1
sec-Butylbenzene	9.2
1,3-Dichlorobenzene	10.5
p-Isopropyltoluene	11.4
1,4-Dichlorobenzene	10.6

Data File: \\SANP2008\D\chem\mg.i\1029BG.B/GS2347.D
Report Date: 10/30/2000

INITIAL CALIBRATION REPORT

Instrument ID: mg.i
Lab File ID: GS2347.D
Analysis Type: SOIL

Injection Date: 29-OCT-2000 18:07
Lab Sample ID: 400 PPB 8260B
Method File: \\SANP2008\D\chem\mg.i\1029BG.B\8

COMPOUND	%RSD
1,2-Dichlorobenzene	7.1
n-Butylbenzene	11.3
1,2-Dibromo-3-chloropropane	7.5
1,2,4-Trichlorobenzene	7.4
Hexachlorobutadiene	19.3
Napthalene	5.5
1,2,3-Trichlorobenzene	7.2

The average of all %RSD's in the initial calibration is 11.1

GAB 10/30/00

M 10/24/2000

STL Los Angeles

Data file : \\SANP2008\D\CHEM\MG.I\1029BG.B\GT1393.D
Lab Smp Id:
Inj Date : 29-OCT-2000 14:15
Operator : GFB Inst ID: mg.i
Smp Info : 50ng bfb,,,,,,bfb.M
Misc Info : 1265-2,,,3,all.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1029BG.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		
1.7817	1.8000	(0.000)	95	111448			0.00- 100.00	100.00
1.7817	1.8000	(0.000)	50	23792			15.00- 40.00	21.35
1.7817	1.8000	(0.000)	75	55592			30.00- 60.00	49.88
1.7817	1.8000	(0.000)	96	8120			5.00- 9.00	7.29
1.7817	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7817	1.8000	(0.000)	174	71349			50.00- 0.00	64.02
1.7817	1.8000	(0.000)	175	5307			5.00- 9.00	7.44
1.7817	1.8000	(0.000)	176	71026			95.00- 101.00	99.55
1.7817	1.8000	(0.000)	177	5296			5.00- 9.00	7.46

BM 10/29/00

Data File: \\SANP2008\D\CHEM\MG.I\1029BG.B\GT1393.D

Date : 29-OCT-2000 14:15

Client ID:

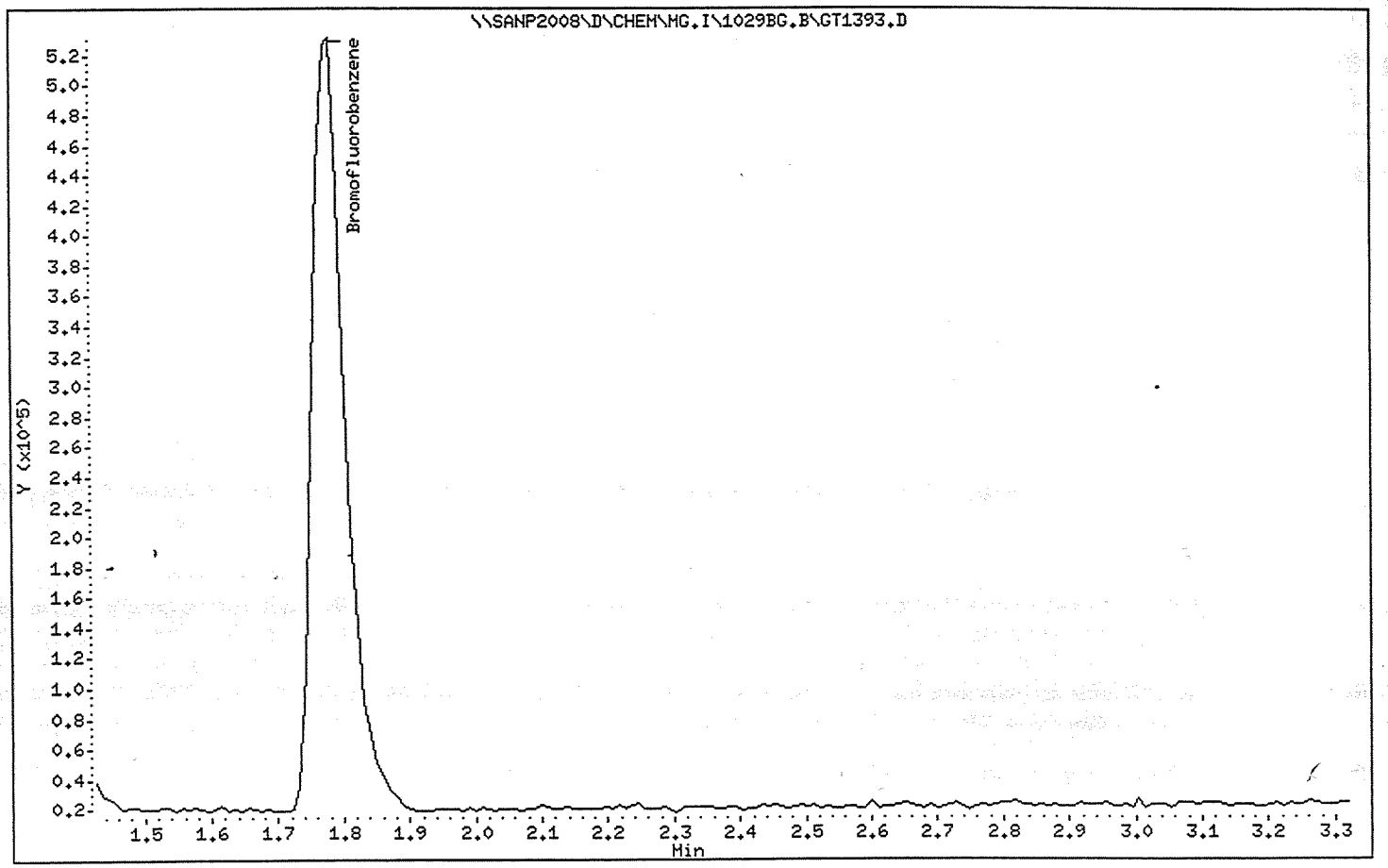
Instrument: mg.i

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

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\1029BG.B\GT1393.D

Date : 29-OCT-2000 14:15

Client ID:

Instrument: mg.i

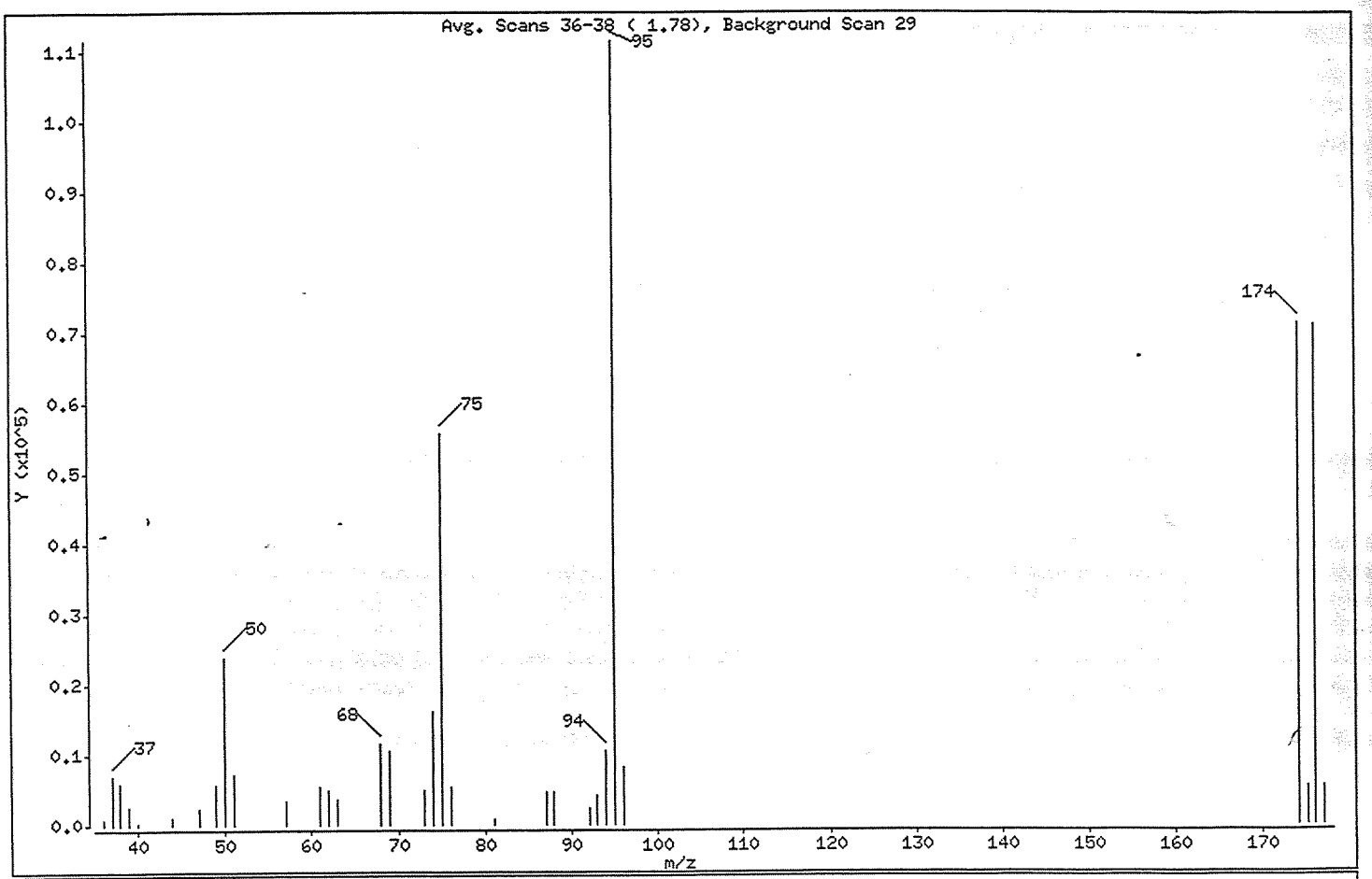
Sample Info: 50ng bfb,,,,,,bfb.M

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	21.35
75	30.00 - 60.00% of mass 95	49.88
96	5.00 - 9.00% of mass 95	7.29
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	64.02
175	5.00 - 9.00% of mass 174	4.76 (7.44)
176	95.00 - 101.00% of mass 174	63.73 (99.55)
177	5.00 - 9.00% of mass 176	4.75 (7.46)

Data File: \\SANP2008\D\CHEM\MG.I\1029BG.B\GT1393.D

Date : 29-OCT-2000 14:15

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: GT1393.D
Spectrum: Avg. Scans 36-38 (1.78), Background Scan 29
Location of Maximum: 95.00
Number of points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	743	51.00	7187	75.00	55592	96.00	8120
37.00	6937	57.00	3223	76.00	5415	174.00	71344
38.00	5809	61.00	5338	81.00	826	175.00	5307
39.00	2556	62.00	4787	87.00	4572	176.00	71024
40.00	240	63.00	3694	88.00	4486	177.00	5296
44.00	950	68.00	11639	92.00	2377		
47.00	2214	69.00	10619	93.00	4066		
49.00	5720	73.00	4935	94.00	10407		
50.00	23792	74.00	16109	95.00	111448		

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2342.D
Lab Smp Id: 20 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\1029BG.B\8260BGS.m
Misc Info: 1284-2;81-2;83-2,,5,,1,1-8260B.SUB

Calibration Date: 29-OCT-2000
Calibration Time: 12:51

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1765412	882706	3530824	1685831	-4.51
56 Chlorobenzene-d5	1079122	539561	2158244	1242310	15.12
79 1,4-Dichlorobenze	637271	318636	1274542	628783	-1.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.10	-0.05
56 Chlorobenzene-d5	12.62	12.12	13.12	12.62	-0.03
79 1,4-Dichlorobenze	17.27	16.77	17.77	17.26	-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.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2343.D
Lab Smp Id: 5 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\1029BG.B\8260BGS.m
Misc Info: 1284-2;81-2;83-2,,5,,1,1-8260B.SUB

Calibration Date: 29-OCT-2000
Calibration Time: 12:51

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1765412	882706	3530824	1556897	-11.81
56 Chlorobenzene-d5	1079122	539561	2158244	1020200	-5.46
79 1,4-Dichlorobenze	637271	318636	1274542	595553	-6.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.11	0.13
56 Chlorobenzene-d5	12.62	12.12	13.12	12.62	-0.00
79 1,4-Dichlorobenze	17.27	16.77	17.77	17.26	-0.06

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: GS2344.D
Lab Smp Id: 50 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\1029BG.B\8260BGS.m
Misc Info: 1284-2;81-2;83-2,,5,,1,1-8260B.SUB

Calibration Date: 29-OCT-2000
Calibration Time: 15:33

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1418620	709310	2837240	1418620	0.00
56 Chlorobenzene-d5	1021004	510502	2042008	1021004	0.00
79 1,4-Dichlorobenze	601080	300540	1202160	601080	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.12	6.62	7.62	7.12	0.00
56 Chlorobenzene-d5	12.63	12.13	13.13	12.63	0.00
79 1,4-Dichlorobenze	17.26	16.76	17.76	17.26	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: GS2348.D
Lab Smp Id: 100 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\1029BG.B\8260BGS.m
Misc Info: 1284-2;81-2;82-2,,5,,1,1-8260B.SUB

Calibration Date: 29-OCT-2000
Calibration Time: 15:33

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1418620	709310	2837240	1400279	-1.29
56 Chlorobenzene-d5	1021004	510502	2042008	958543	-6.12
79 1,4-Dichlorobenze	601080	300540	1202160	570283	-5.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.12	6.62	7.62	7.09	-0.35
56 Chlorobenzene-d5	12.63	12.13	13.13	12.61	-0.12
79 1,4-Dichlorobenze	17.26	16.76	17.76	17.25	-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.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2347.D
Lab Smp Id: 400 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\chem\mg.i\1029BG.B\8260BGS.m
Misc Info: 1284-2;81-2;82-2,,5,,1,1-8260B.SUB

Calibration Date: 29-OCT-2000
Calibration Time: 15:33

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1418620	709310	2837240	1592532	12.26
56 Chlorobenzene-d5	1021004	510502	2042008	1135483	11.21
79 1,4-Dichlorobenze	601080	300540	1202160	546349	-9.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.12	6.62	7.62	7.09	-0.36
56 Chlorobenzene-d5	12.63	12.13	13.13	12.62	-0.04
79 1,4-Dichlorobenze	17.26	16.76	17.76	17.26	-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

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1029BG.B\GS2342.D
Lab Smp Id: 20 PPB 8260B
Inj Date : 29-OCT-2000 14:27
Operator : GFB Inst ID: mg.i
Smp Info : 20 PPB 8260B,,,2,0,,,8260BGS.M
Misc Info : 1284-2;81-2;83-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1029BG.B\8260BGS.m
Meth Date : 29-Oct-2000 14:52 ramirezr Quant Type: ISTD
Cal Date : 25-OCT-2000 08:44 Cal File: GS2317.D
Als bottle: 1 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)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.508	1.502	(0.212)	364837	20.0000	22.72
3 Chloromethane (**)	50	1.725	1.738	(0.243)	268412	20.0000	18.80
2 Vinyl chloride (*)	62	1.735	1.748	(0.244)	269971	20.0000	19.12
4 Bromomethane	94	2.011	2.014	(0.283)	168360	20.0000	21.06
5 Chloroethane	64	2.100	2.093	(0.296)	161182	20.0000	22.84
6 Trichlorofluoromethane	101	2.346	2.330	(0.331)	503797	20.0000	21.82
7 Acrolein	56	2.740	2.744	(0.386)	259049	200.000	220.1(A)
8 1,1-Dichloroethene(*)	96	2.839	2.842	(0.400)	225754	20.0000	21.24
9 1,1,2-Trichlorotrifluoroethan	151	2.839	2.852	(0.400)	317520	20.0000	23.96
10 Acetone	43	2.918	2.921	(0.411)	457026	100.000	97.32
11 Iodomethane	142	2.987	3.000	(0.421)	637614	40.0000	40.71
12 Carbon disulfide	76	3.056	3.049	(0.431)	753409	20.0000	22.71
13 Methylene chloride	84	3.381	3.375	(0.476)	252927	20.0000	19.80
14 t-Butanol	59	3.618	3.631	(0.510)	185900	500.000	499.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Acrylontrile	53	3.707	3.720	(0.522)	776183	200.000	213.5(A)
	15 trans-1,2-Dichloroethene	96	3.717	3.720	(0.524)	260846	20.0000	20.67
	19 Vinyl acetate	43	4.456	4.449	(0.628)	2128192	40.0000	39.88
	17 Methyl-tert-butyl ether[MTBE]	73	3.766	3.769	(0.531)	694426	20.0000	19.12
	18 1,1-Dichloroethane (**)	63	4.338	4.321	(0.611)	588961	20.0000	19.71
	20 Isopropyl ether	45	4.486	4.479	(0.632)	1311963	20.0000	18.61
	22 Tert-butyl ethyl ether	59	5.048	5.051	(0.711)	1004335	20.0000	18.94
	21 2,2-Dichloropropane	77	5.186	5.189	(0.731)	489051	20.0000	19.27
	23 cis-1,2-Dichloroethene	96	5.215	5.218	(0.735)	255527	20.0000	19.79
	24 2-Butanone	43	5.304	5.317	(0.747)	921003	100.000	100.8
	25 Bromochloromethane	128	5.590	5.583	(0.787)	144153	20.0000	19.76
	27 Tetrahydrofuran	42	5.698	5.692	(0.803)	128623	20.0000	19.77
	26 Chloroform (*)	83	5.738	5.751	(0.808)	552422	20.0000	19.41
M	28 1,2-Dichloroethene (total)	100				516373	40.0000	40.46
$	29 Dibromofluoromethane	111	6.004	6.007	(0.846)	439443	20.0000	19.55
	30 1,1,1-Trichloroethane	97	5.974	5.978	(0.842)	459756	20.0000	19.90
	31 Carbon Tetrachloride	117	6.241	6.244	(0.879)	398184	20.0000	19.27
	32 1,1-Dichloropropene	75	6.250	6.264	(0.881)	431661	20.0000	20.44
$	33 1,2-Dichloroethane-d4	65	6.527	6.530	(0.919)	341689	20.0000	18.64
	34 1,2-Dichloroethane-d4 2nd	102	6.517	6.540	(0.918)	63382	20.0000	22.14
	35 Benzene	78	6.596	6.589	(0.929)	715366	20.0000	19.53
	36 1,2-Dichloroethane	62	6.655	6.668	(0.937)	377487	20.0000	18.25
	37 Tert-amyl methyl ether	73	6.881	6.885	(0.969)	654632	20.0000	17.11
*	38 Fluorobenzene	96	7.098	7.102	(1.000)	1685831	50.0000	
	39 Trichloroethene	130	7.739	7.742	(1.090)	299239	20.0000	20.71
	40 1,2-Dichloropropane(*)	63	8.124	8.127	(1.144)	377786	20.0000	19.63
	41 Dibromomethane	93	8.321	8.344	(1.172)	261706	20.0000	20.12
	42 Bromodichloromethane	83	8.656	8.669	(1.219)	573549	20.0000	19.25
	44 2-Chloroethylvinyl ether	106	9.277	9.281	(1.307)	83885	40.0000	45.56(Q)
	43 1-Bromo-2-chloroethane	63	9.169	9.172	(1.292)	693785	20.0000	20.06(Q)
	45 cis-1,3-Dichloropropene	75	9.474	9.478	(1.335)	464180	20.0000	19.13
	46 4-Methyl-2-pentanone	43	9.829	9.833	(1.385)	2276167	100.000	101.5
$	47 Toluene-d8	98	9.928	9.941	(0.787)	692262	20.0000	22.67
	48 Toluene (*)	91	10.046	10.050	(0.796)	805355	20.0000	22.75
	49 trans-1,3-Dichloropropene	75	10.520	10.533	(0.834)	390449	20.0000	21.54
	50 1,1,2-Trichloroethane	97	10.855	10.848	(0.860)	272718	20.0000	23.37
	51 Tetrachloroethene	164	11.052	11.045	(0.876)	254537	20.0000	23.21
	52 1,3-Dichloropropane	76	11.141	11.134	(0.883)	507732	20.0000	23.10
	53 2-Hexanone	43	11.397	11.410	(0.903)	1616922	100.000	114.8
	54 Dibromochloromethane	129	11.555	11.558	(0.916)	413718	20.0000	22.21
	55 1,2-Dibromoethane	107	11.712	11.716	(0.928)	357532	20.0000	22.13(Q)
*	56 Chlorobenzene-d5	117	12.620	12.623	(1.000)	1242310	50.0000	
	57 Chlorobenzene (**)	112	12.669	12.682	(1.004)	539439	20.0000	22.76
	58 1,1,1,2-Tetrachloroethane	131	12.866	12.869	(1.020)	287227	20.0000	22.60
	59 Ethylbenzene (*)	106	12.935	12.938	(1.025)	260547	20.0000	23.27
	60 m,p-Xylenes	106	13.172	13.185	(1.044)	644932	40.0000	46.84
	61 o-Xylene	106	13.941	13.934	(1.105)	304429	20.0000	23.27

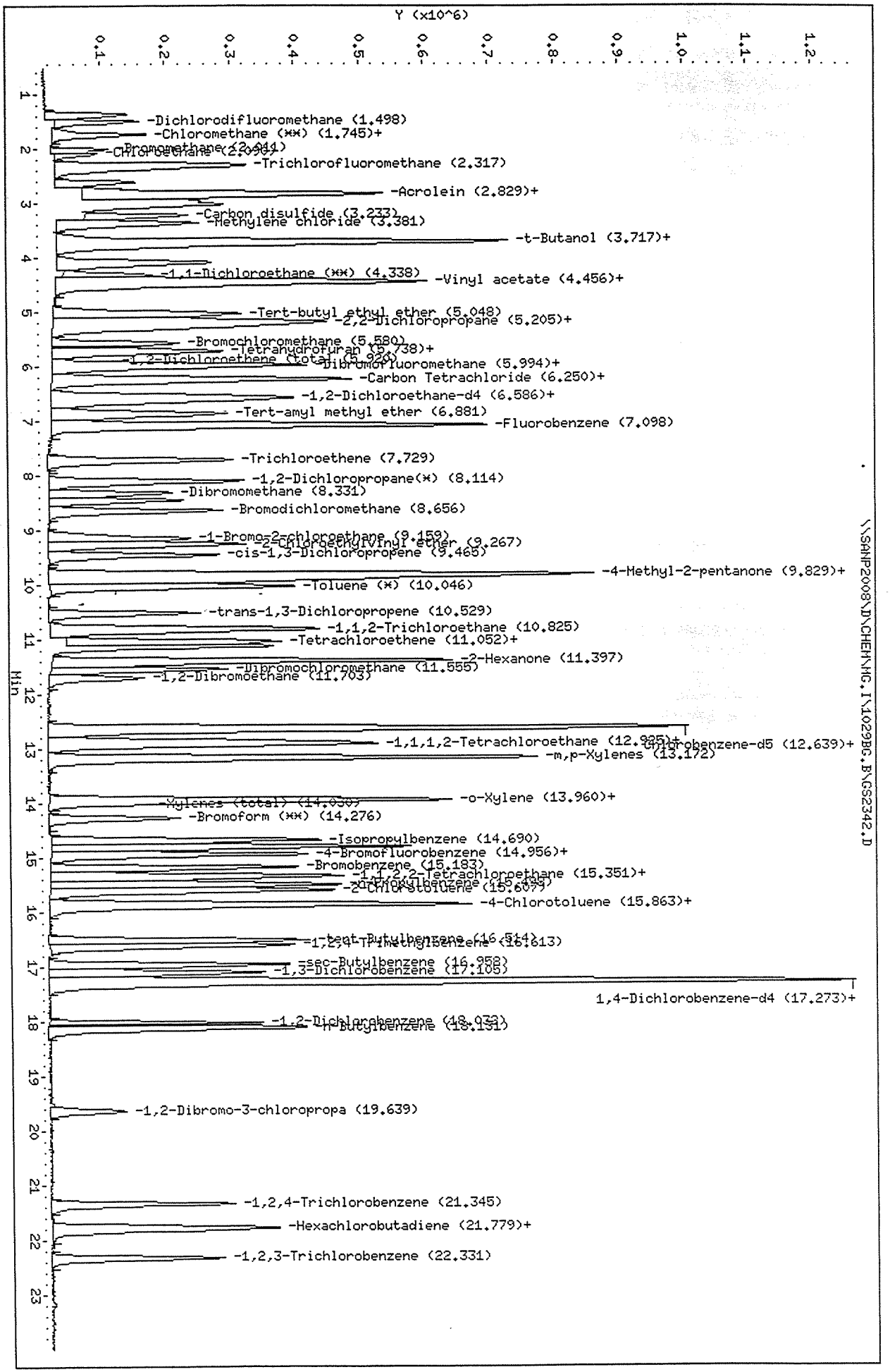
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.970	13.974	(1.107)	525795	20.0000	24.03
M	63 Xylenes (total)	100				949362	60.0000	70.11
	64 Bromoform (**)	173	14.266	14.289	(1.130)	306930	20.0000	23.25
	65 Isopropylbenzene	105	14.690	14.693	(1.164)	906609	20.0000	23.96
$	67 4-Bromofluorobenzene	95	14.956	14.959	(0.866)	533445	20.0000	26.60
	66 4-Bromofluorobenzene-2nd	174	14.946	14.959	(0.866)	289624	20.0000	25.83
	68 Bromobenzene	156	15.193	15.196	(0.880)	269868	20.0000	25.98
	69 1,1,2,2-Tetrachloroethane(**)	83	15.331	15.344	(0.888)	454661	20.0000	26.03
	70 1,2,3-Trichloropropane	110	15.370	15.364	(0.890)	111954	20.0000	26.38(Q)
	71 n-Propylbenzene	91	15.518	15.512	(0.899)	1990783	20.0000	46.32(Q)
	72 2-Chlorotoluene	126	15.607	15.630	(0.904)	210576	20.0000	26.38
	73 4-Chlorotoluene	126	15.844	15.857	(0.918)	206825	20.0000	25.69
	74 1,3,5-Trimethylbenzene	105	15.893	15.896	(0.921)	765200	20.0000	27.06
	75 tert-Butylbenzene	119	16.524	16.517	(0.957)	671375	20.0000	24.88
	76 1,2,4-Trimethylbenzene	105	16.622	16.636	(0.963)	695558	20.0000	24.48
	77 sec-Butylbenzene	105	16.967	16.971	(0.983)	938478	20.0000	26.47
	78 1,3-Dichlorobenzene	146	17.106	17.119	(0.991)	410319	20.0000	24.03
*	79 1,4-Dichlorobenzene-d4	152	17.263	17.267	(1.000)	628783	50.0000	
	80 1,4-Dichlorobenzene	146	17.313	17.306	(1.003)	444229	20.0000	25.13
	81 p-Isopropyltoluene	119	17.303	17.296	(1.002)	738999	20.0000	26.52
	82 1,2-Dichlorobenzene	146	18.032	18.036	(1.045)	395783	20.0000	24.67
	83 n-Butylbenzene	91	18.131	18.134	(1.050)	776628	20.0000	27.40
	84 1,2-Dibromo-3-chloropropane	157	19.639	19.652	(1.138)	100961	20.0000	25.12
	85 1,2,4-Trichlorobenzene	180	21.355	21.348	(1.237)	294032	20.0000	26.01
	86 Hexachlorobutadiene	225	21.759	21.772	(1.260)	181709	20.0000	27.64
	87 Napthalene	128	21.818	21.822	(1.264)	550686	20.0000	25.20
	88 1,2,3-Trichlorobenzene	180	22.331	22.334	(1.294)	283827	20.0000	26.56

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1029BG.B\GS2342.D
Date : 29-OCT-2000 14:27
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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1029BG.B\GS2343.D
Lab Smp Id: 5 PPB 8260B
Inj Date : 29-OCT-2000 15:00
Operator : GFB Inst ID: mg.i
Smp Info : 5 PPB 8260B,,,1,0,,,8260BGS.M
Misc Info : 1284-2;81-2;83-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1029BG.B\8260BGS.m
Meth Date : 29-Oct-2000 15:25 ramirezr Quant Type: ISTD
Cal Date : 25-OCT-2000 08:44 Cal File: GS2317.D
Als bottle: 2 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)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.501	1.502	(0.211)	87936	5.00000	5.93
3 Chloromethane (**)	50	1.738	1.738	(0.244)	64461	5.00000	4.89(aQ)
2 Vinyl chloride (*)	62	1.738	1.748	(0.244)	65636	5.00000	5.03(Q)
4 Bromomethane	94	2.014	2.014	(0.283)	42040	5.00000	5.69(Q)
5 Chloroethane	64	2.102	2.093	(0.296)	38011	5.00000	5.83(Q)
6 Trichlorofluoromethane	101	2.349	2.330	(0.330)	113864	5.00000	5.34
7 Acrolein	56	2.743	2.744	(0.386)	53212	50.0000	48.95(Q)
8 1,1-Dichloroethene(*)	96	2.842	2.842	(0.400)	48626	5.00000	4.95(a)
9 1,1,2-Trichlorotrifluoroethan	151	2.842	2.852	(0.400)	74298	5.00000	6.07
10 Acetone	43	2.941	2.921	(0.414)	117401	25.0000	27.07
11 Iodomethane	142	3.000	3.000	(0.422)	101807	10.0000	7.04(Q)
12 Carbon disulfide	76	3.049	3.049	(0.429)	188326	5.00000	6.15(Q)
13 Methylene chloride	84	3.394	3.375	(0.477)	56075	5.00000	4.75(a)
14 t-Butanol	59	3.640	3.631	(0.512)	32713	125.000	95.13(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.709	3.720	(0.522)	173253	50.0000	51.60
	15 trans-1,2-Dichloroethene	96	3.719	3.720	(0.523)	56562	5.00000	4.85(a)
	19 Vinyl acetate	43	4.449	4.449	(0.626)	501799	10.0000	10.18
	17 Methyl-tert-butyl ether[MTBE]	73	3.759	3.769	(0.529)	164802	5.00000	4.91(a)
	18 1,1-Dichloroethane (**)	63	4.321	4.321	(0.608)	137043	5.00000	4.96(aQ)
	20 Isopropyl ether	45	4.479	4.479	(0.630)	320728	5.00000	4.93(a)
	22 Tert-butyl ethyl ether	59	5.050	5.051	(0.710)	231616	5.00000	4.73(a)
	21 2,2-Dichloropropane	77	5.198	5.189	(0.731)	114986	5.00000	4.90(a)
	23 cis-1,2-Dichloroethene	96	5.238	5.218	(0.737)	55406	5.00000	4.64(a)
	24 2-Butanone	43	5.307	5.317	(0.746)	226732	25.0000	26.86
	25 Bromochloromethane	128	5.573	5.583	(0.784)	27860	5.00000	4.14(a)
	27 Tetrahydrofuran	42	5.721	5.692	(0.804)	30955	5.00000	5.15(Q)
	26 Chloroform (*)	83	5.750	5.751	(0.809)	132269	5.00000	5.03
M	28 1,2-Dichloroethene (total)	100				111969	10.0000	9.50
$	29 Dibromofluoromethane	111	5.997	6.007	(0.843)	98559	5.00000	4.75(aQ)
	30 1,1,1-Trichloroethane	97	5.987	5.978	(0.842)	108287	5.00000	5.07(Q)
	31 Carbon Tetrachloride	117	6.253	6.244	(0.879)	92010	5.00000	4.82(a)
	32 1,1-Dichloropropene	75	6.283	6.264	(0.884)	105748	5.00000	5.42
$	33 1,2-Dichloroethane-d4	65	6.539	6.530	(0.920)	82864	5.00000	4.90(aQ)
	34 1,2-Dichloroethane-d4 2nd	102	6.539	6.540	(0.920)	7189	5.00000	2.72(aQ)
	35 Benzene	78	6.608	6.589	(0.929)	183184	5.00000	5.42
	36 1,2-Dichloroethane	62	6.677	6.668	(0.939)	94159	5.00000	4.93(aQ)
	37 Tert-amyl methyl ether	73	6.904	6.885	(0.971)	156575	5.00000	4.43(a)
*	38 Fluorobenzene	96	7.111	7.102	(1.000)	1556897	50.0000	
	39 Trichloroethene	130	7.752	7.742	(1.090)	54873	5.00000	4.11(a)
	40 1,2-Dichloropropane(*)	63	8.146	8.127	(1.146)	75316	5.00000	4.24(a)
	41 Dibromomethane	93	8.334	8.344	(1.172)	49469	5.00000	4.12(a)
	42 Bromodichloromethane	83	8.659	8.669	(1.218)	119797	5.00000	4.35(aQ)
	44 2-Chloroethylvinyl ether	106	9.290	9.281	(1.306)	4360	10.0000	2.56(aQ)
	43 1-Bromo-2-chloroethane	63	9.181	9.172	(1.291)	168859	5.00000	5.28(Q)
	45 cis-1,3-Dichloropropene	75	9.487	9.478	(1.334)	91853	5.00000	4.10(a)
	46 4-Methyl-2-pentanone	43	9.832	9.833	(1.383)	445500	25.0000	21.52
$	47 Toluene-d8	98	9.941	9.941	(0.788)	138886	5.00000	5.54
	48 Toluene (*)	91	10.059	10.050	(0.797)	158005	5.00000	5.44
	49 trans-1,3-Dichloropropene	75	10.542	10.533	(0.835)	70509	5.00000	4.74(a)
	50 1,1,2-Trichloroethane	97	10.857	10.848	(0.860)	51594	5.00000	5.38
	51 Tetrachloroethene	164	11.065	11.045	(0.877)	49242	5.00000	5.47
	52 1,3-Dichloropropane	76	11.153	11.134	(0.884)	96071	5.00000	5.32
	53 2-Hexanone	43	11.390	11.410	(0.902)	308157	25.0000	26.64
	54 Dibromochloromethane	129	11.557	11.558	(0.916)	84132	5.00000	5.50
	55 1,2-Dibromoethane	107	11.715	11.716	(0.928)	70010	5.00000	5.28(Q)
*	56 Chlorobenzene-d5	117	12.622	12.623	(1.000)	1020200	50.0000	
	57 Chlorobenzene (**)	112	12.672	12.682	(1.004)	113153	5.00000	5.81
	58 1,1,1,2-Tetrachloroethane	131	12.869	12.869	(1.020)	59305	5.00000	5.68
	59 Ethylbenzene (*)	106	12.938	12.938	(1.025)	52422	5.00000	5.70
	60 m,p-Xylenes	106	13.184	13.185	(1.045)	129537	10.0000	11.46
	61 o-Xylene	106	13.934	13.934	(1.104)	57020	5.00000	5.31

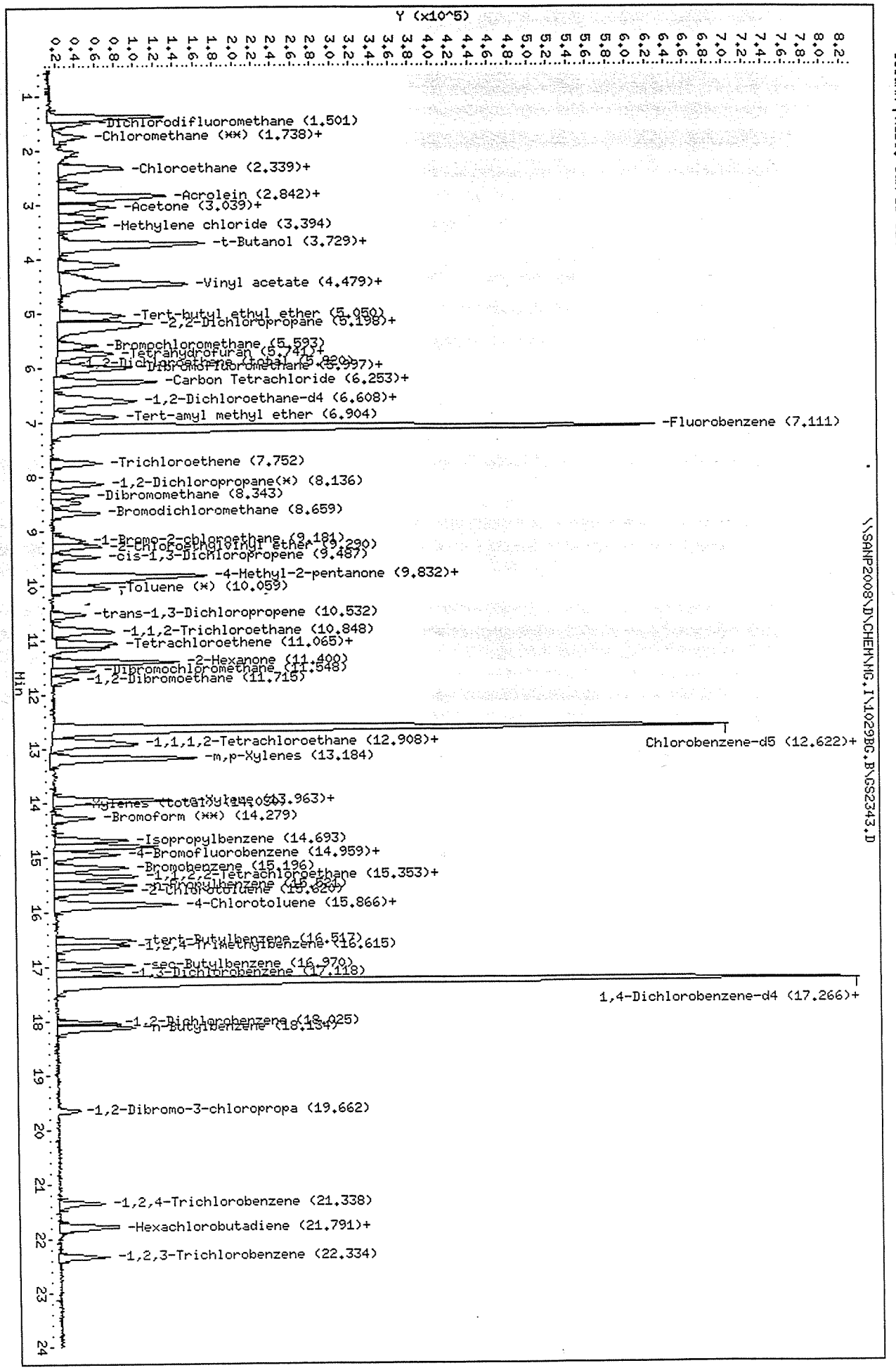
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.963	13.974	(1.106)	99284	5.00000	5.53
M	63 Xylenes (total)	100				186557	15.0000	16.76
	64 Bromoform (**)	173	14.279	14.289	(1.131)	64337	5.00000	5.94(Q)
	65 Isopropylbenzene	105	14.693	14.693	(1.164)	175122	5.00000	5.64
$	67 4-Bromofluorobenzene	95	14.949	14.959	(0.866)	109954	5.00000	5.79
	66 4-Bromofluorobenzene-2nd	174	14.959	14.959	(0.867)	59787	5.00000	5.63
	68 Bromobenzene	156	15.196	15.196	(0.881)	56766	5.00000	5.77
	69 1,1,2,2-Tetrachloroethane(**)	83	15.353	15.344	(0.890)	103728	5.00000	6.27(Q)
	70 1,2,3-Trichloropropane	110	15.383	15.364	(0.891)	18003	5.00000	4.48(a)
	71 n-Propylbenzene	91	15.511	15.512	(0.899)	248183	5.00000	6.10
	72 2-Chlorotoluene	126	15.629	15.630	(0.906)	41499	5.00000	5.49
	73 4-Chlorotoluene	126	15.846	15.857	(0.918)	42422	5.00000	5.56
	74 1,3,5-Trimethylbenzene	105	15.896	15.896	(0.921)	165134	5.00000	6.17
	75 tert-Butylbenzene	119	16.507	16.517	(0.957)	152460	5.00000	5.96
	76 1,2,4-Trimethylbenzene	105	16.625	16.636	(0.963)	164581	5.00000	6.12
	77 sec-Butylbenzene	105	16.960	16.971	(0.983)	214026	5.00000	6.37
	78 1,3-Dichlorobenzene	146	17.118	17.119	(0.992)	102919	5.00000	6.36
*	79 1,4-Dichlorobenzene-d4	152	17.256	17.267	(1.000)	595553	50.0000	
	80 1,4-Dichlorobenzene	146	17.296	17.306	(1.002)	105353	5.00000	6.29
	81 p-Isoprppyltoluene	119	17.296	17.296	(1.002)	177647	5.00000	6.73
	82 1,2-Dichlorobenzene	146	18.025	18.036	(1.045)	90879	5.00000	5.98
	83 n-Butylbenzene	91	18.124	18.134	(1.050)	183433	5.00000	6.83
	84 1,2-Dibromo-3-chloropropane	157	19.662	19.652	(1.139)	19648	5.00000	5.16
	85 1,2,4-Trichlorobenzene	180	21.338	21.348	(1.237)	65579	5.00000	6.12
	86 Hexachlorobutadiene	225	21.762	21.772	(1.261)	52960	5.00000	8.50
	87 Napthalene	128	21.801	21.822	(1.263)	119189	5.00000	5.76(Q)
	88 1,2,3-Trichlorobenzene	180	22.324	22.334	(1.294)	65710	5.00000	6.49

QC Flag Legend

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

Data File: \\SANP2008\D\CHEM\MG.I\1029BG.B\GS2343.D
Date : 29-OCT-2000 15:00
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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1029BG.B\GS2344.D
Lab Smp Id: 50 PPB 8260B
Inj Date : 29-OCT-2000 15:33
Operator : GFB Inst ID: mg.i
Smp Info : 50 PPB 8260B,,,3,0,,,8260BGS.M
Misc Info : 1284-2;81-2;83-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1029BG.B\8260BGS.m
Meth Date : 29-Oct-2000 15:58 ramirezr Quant Type: ISTD
Cal Date : 25-OCT-2000 08:44 Cal File: GS2317.D
Als bottle: 3 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)	ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.498	1.498	(0.210)	670305	50.0000	49.60
3 Chloromethane (**)	50	1.754	1.754	(0.246)	543971	50.0000	45.28
2 Vinyl chloride (*)	62	1.744	1.744	(0.245)	558274	50.0000	47.00
4 Bromomethane	94	2.000	2.000	(0.281)	248550	50.0000	36.94
5 Chloroethane	64	2.089	2.089	(0.294)	213095	50.0000	35.89
6 Trichlorofluoromethane	101	2.326	2.326	(0.327)	957156	50.0000	49.25
7 Acrolein	56	2.750	2.750	(0.386)	513111	500.000	518.0(A)
8 1,1-Dichloroethene(*)	96	2.829	2.829	(0.397)	423199	50.0000	47.32
9 1,1,2-Trichlorotrifluoroethan	151	2.838	2.838	(0.399)	548047	50.0000	49.14
10 Acetone	43	2.927	2.927	(0.411)	881442	250.000	223.0
11 Iodomethane	142	2.986	2.986	(0.420)	1557742	100.000	118.2(A)
12 Carbon disulfide	76	3.055	3.055	(0.429)	1428664	50.0000	51.18
13 Methylene chloride	84	3.390	3.390	(0.476)	491799	50.0000	45.76
14 t-Butanol	59	3.647	3.647	(0.512)	344289	1250.00	1099

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.716	3.716	(0.522)	1473533	500.000	481.6(A)
	15 trans-1,2-Dichloroethene	96	3.716	3.716	(0.522)	478460	50.0000	45.06
	19 Vinyl acetate	43	4.446	4.446	(0.625)	4097366	100.000	91.23
	17 Methyl-tert-butyl ether[MTBE]	73	3.755	3.755	(0.528)	1359138	50.0000	44.47
	18 1,1-Dichloroethane (**)	63	4.337	4.337	(0.609)	1146848	50.0000	45.61
	20 Isopropyl ether	45	4.485	4.485	(0.630)	2583799	50.0000	43.56
	22 Tert-butyl ethyl ether	59	5.057	5.057	(0.710)	1834898	50.0000	41.12
	21 2,2-Dichloropropane	77	5.185	5.185	(0.728)	866547	50.0000	40.58
	23 cis-1,2-Dichloroethene	96	5.224	5.224	(0.734)	472636	50.0000	43.49
	24 2-Butanone	43	5.303	5.303	(0.745)	1603493	250.000	208.5
	25 Bromochloromethane	128	5.589	5.589	(0.785)	270315	50.0000	44.04
	27 Tetrahydrofuran	42	5.698	5.698	(0.801)	215066	50.0000	39.29
	26 Chloroform (*)	83	5.747	5.747	(0.807)	1020040	50.0000	42.59
M	28 1,2-Dichloroethene (total)	100				951096	100.000	88.56
$	29 Dibromofluoromethane	111	6.013	6.013	(0.845)	801368	50.0000	42.37
	30 1,1,1-Trichloroethane	97	5.984	5.984	(0.841)	810672	50.0000	41.69
	31 Carbon Tetrachloride	117	6.260	6.260	(0.879)	744319	50.0000	42.81
	32 1,1-Dichloropropene	75	6.260	6.260	(0.879)	807504	50.0000	45.45
$	33 1,2-Dichloroethane-d4	65	6.536	6.536	(0.918)	684339	50.0000	44.37
	34 1,2-Dichloroethane-d4 2nd	102	6.536	6.536	(0.918)	117957	50.0000	48.96
	35 Benzene	78	6.595	6.595	(0.927)	1420104	50.0000	46.07
	36 1,2-Dichloroethane	62	6.674	6.674	(0.938)	783646	50.0000	45.02
	37 Tert-amyl methyl ether	73	6.891	6.891	(0.968)	1397472	50.0000	43.40
*	38 Fluorobenzene	96	7.117	7.117	(1.000)	1418620	50.0000	
	39 Trichloroethene	130	7.739	7.739	(1.087)	505094	50.0000	41.54
	40 1,2-Dichloropropane(*)	63	8.143	8.143	(1.144)	674567	50.0000	41.65
	41 Dibromomethane	93	8.340	8.340	(1.172)	477995	50.0000	43.67
	42 Bromodichloromethane	83	8.675	8.675	(1.219)	1028541	50.0000	41.03
	44 2-Chloroethylvinyl ether	106	9.286	9.286	(1.305)	163766	100.000	105.7(AQ)
	43 1-Bromo-2-chloroethane	63	9.178	9.178	(1.290)	1203195	50.0000	41.33
	45 cis-1,3-Dichloropropene	75	9.474	9.474	(1.331)	878155	50.0000	43.02
	46 4-Methyl-2-pentanone	43	9.829	9.829	(1.381)	4036442	250.000	214.0
$	47 Toluene-d8	98	9.937	9.937	(0.787)	1205469	50.0000	48.04
	48 Toluene (*)	91	10.055	10.055	(0.796)	1420839	50.0000	48.84
	49 trans-1,3-Dichloropropene	75	10.539	10.539	(0.834)	733173	50.0000	49.22
	50 1,1,2-Trichloroethane	97	10.854	10.854	(0.859)	486877	50.0000	50.77
	51 Tetrachloroethene	164	11.051	11.051	(0.875)	429753	50.0000	47.68
	52 1,3-Dichloropropane	76	11.140	11.140	(0.882)	900646	50.0000	49.86
	53 2-Hexanone	43	11.406	11.406	(0.903)	2797538	250.000	241.6
	54 Dibromochloromethane	129	11.564	11.564	(0.916)	760021	50.0000	49.64
	55 1,2-Dibromoethane	107	11.722	11.722	(0.928)	675462	50.0000	50.87
*	56 Chlorobenzene-d5	117	12.629	12.629	(1.000)	1021004	50.0000	
	57 Chlorobenzene (**)	112	12.678	12.678	(1.004)	990592	50.0000	50.84
	58 1,1,1,2-Tetrachloroethane	131	12.865	12.865	(1.019)	543721	50.0000	52.04
	59 Ethylbenzene (*)	106	12.944	12.944	(1.025)	485201	50.0000	52.73
	60 m,p-Xylenes	106	13.191	13.191	(1.045)	1172450	100.000	103.6
	61 o-Xylene	106	13.930	13.930	(1.103)	570457	50.0000	53.06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.970	13.970	(1.106)	957854	50.0000	53.27
M	63 Xylenes (total)	100				1742907	150.000	156.6
	64 Bromoform (**)	173	14.285	14.285	(1.131)	601227	50.0000	55.42
	65 Isopropylbenzene	105	14.689	14.689	(1.163)	1657292	50.0000	53.29
$	67 4-Bromofluorobenzene	95	14.955	14.955	(0.866)	934581	50.0000	48.76
	66 4-Bromofluorobenzene-2nd	174	14.955	14.955	(0.866)	526279	50.0000	49.10
	68 Bromobenzene	156	15.192	15.192	(0.880)	523304	50.0000	52.70
	69 1,1,2,2-Tetrachloroethane(**)	83	15.340	15.340	(0.889)	872888	50.0000	52.28
	70 1,2,3-Trichloropropane	110	15.370	15.370	(0.890)	216728	50.0000	53.43
	71 n-Propylbenzene	91	15.517	15.517	(0.899)	2066602	50.0000	50.30
	72 2-Chlorotoluene	126	15.626	15.626	(0.905)	385491	50.0000	50.53
	73 4-Chlorotoluene	126	15.853	15.853	(0.918)	393472	50.0000	51.13
	74 1,3,5-Trimethylbenzene	105	15.902	15.902	(0.921)	1390416	50.0000	51.45
	75 tert-Butylbenzene	119	16.533	16.533	(0.958)	1363623	50.0000	52.87
	76 1,2,4-Trimethylbenzene	105	16.641	16.641	(0.964)	1428655	50.0000	52.60
	77 sec-Butylbenzene	105	16.977	16.977	(0.983)	1875351	50.0000	55.33
	78 1,3-Dichlorobenzene	146	17.125	17.125	(0.992)	826237	50.0000	50.61
*	79 1,4-Dichlorobenzene-d4	152	17.263	17.263	(1.000)	601080	50.0000	
	80 1,4-Dichlorobenzene	146	17.312	17.312	(1.003)	881529	50.0000	52.17
	81 p-Isopropyltoluene	119	17.302	17.302	(1.002)	1446179	50.0000	54.29
	82 1,2-Dichlorobenzene	146	18.041	18.041	(1.045)	822309	50.0000	53.61
	83 n-Butylbenzene	91	18.130	18.130	(1.050)	1484647	50.0000	54.78
	84 1,2-Dibromo-3-chloropropane	157	19.649	19.649	(1.138)	226987	50.0000	59.08
	85 1,2,4-Trichlorobenzene	180	21.354	21.354	(1.237)	599225	50.0000	55.45
	86 Hexachlorobutadiene	225	21.758	21.758	(1.260)	388587	50.0000	61.83
	87 Napthalene	128	21.818	21.818	(1.264)	1170588	50.0000	56.03
	88 1,2,3-Trichlorobenzene	180	22.330	22.330	(1.294)	567493	50.0000	55.54

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

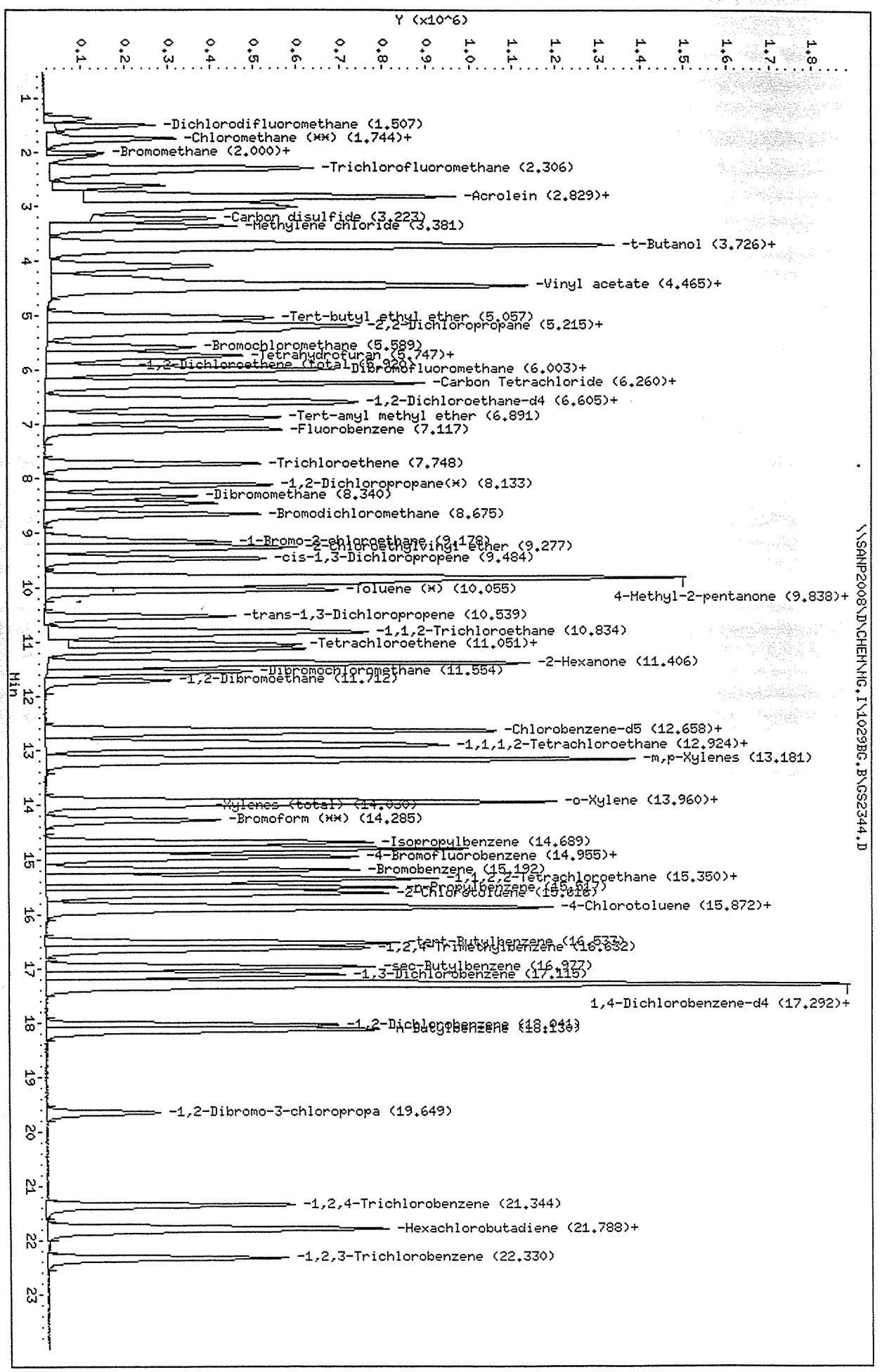
Data File: \\SANP2008\D\CHEM\MG.I\1029BG.B\GS2344.D
Date : 29-OCT-2000 15:33
Client ID:
Sample Info: 50 PPB 8260B,,,3.0,,,8260BGS.M

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\1029BG.B\GS2348.D
Lab Smp Id: 100 PPB 8260B
Inj Date : 29-OCT-2000 18:40
Operator : GFB Inst ID: mg.i
Smp Info : 100 PPB 8260B,,,4,0,,,8260BGS.M
Misc Info : 1284-2;81-2;82-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1029BG.B\8260BGS.m
Meth Date : 29-Oct-2000 19:05 DONGA Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 7 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)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.492	1.492	(0.210)	1270344	100.000	90.31
3 Chloromethane (**)	50	1.739	1.739	(0.245)	923572	100.000	88.41
2 Vinyl chloride (*)	62	1.739	1.739	(0.245)	933911	100.000	87.66
4 Bromomethane	94	2.005	2.005	(0.283)	475064	100.000	84.90
5 Chloroethane	64	2.084	2.084	(0.294)	351324	100.000	74.04
6 Trichlorofluoromethane	101	2.321	2.321	(0.327)	1708966	100.000	103.3
7 Acrolein	56	2.744	2.744	(0.387)	869666	1000.00	952.2(A)
8 1,1-Dichloroethene(*)	96	2.813	2.813	(0.397)	756714	100.000	92.27
9 1,1,2-Trichlorotrifluoroethan	151	2.823	2.823	(0.398)	1065432	100.000	91.93
10 Acetone	43	2.932	2.932	(0.413)	1501428	500.000	441.1
11 Iodomethane	142	2.981	2.981	(0.420)	2775214	200.000	216.1(A)
12 Carbon disulfide	76	3.040	3.040	(0.429)	2498059	100.000	89.43
13 Methylene chloride	84	3.366	3.366	(0.475)	867039	100.000	91.28
14 t-Butanol	59	3.632	3.632	(0.512)	667592	2500.00	3025

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Acrylontrile	53	3.711	3.711	(0.523)	2562270	1000.00	899.3(A)
	15 trans-1,2-Dichloroethene	96	3.701	3.701	(0.522)	870474	100.000	90.82
	19 Vinyl acetate	43	4.440	4.440	(0.626)	7491177	200.000	188.1(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.760	3.760	(0.530)	2497025	100.000	95.66
	18 1,1-Dichloroethane (**)	63	4.312	4.312	(0.608)	2058069	100.000	91.19
	20 Isopropyl ether	45	4.480	4.480	(0.632)	4746185	100.000	92.15
	22 Tert-butyl ethyl ether	59	5.042	5.042	(0.711)	3804356	100.000	97.44
	21 2,2-Dichloropropane	77	5.170	5.170	(0.729)	1685154	100.000	92.06
	23 cis-1,2-Dichloroethene	96	5.209	5.209	(0.734)	935658	100.000	95.41
	24 2-Butanone	43	5.298	5.298	(0.747)	3185386	500.000	454.9
	25 Bromochloromethane	128	5.594	5.594	(0.789)	472866	100.000	89.29
	27 Tetrahydrofuran	42	5.702	5.702	(0.804)	413813	100.000	87.84
	26 Chloroform (*)	83	5.742	5.742	(0.810)	1852665	100.000	87.21
M	28 1,2-Dichloroethene (total)	100				1806133	200.000	186.2
$	29 Dibromofluoromethane	111	5.998	5.998	(0.846)	1525336	100.000	90.75
	30 1,1,1-Trichloroethane	97	5.968	5.968	(0.842)	1526975	100.000	89.47
	31 Carbon Tetrachloride	117	6.235	6.235	(0.879)	1370561	100.000	91.39
	32 1,1-Dichloropropene	75	6.245	6.245	(0.880)	1560056	100.000	92.92
$	33 1,2-Dichloroethane-d4	65	6.530	6.530	(0.921)	1261673	100.000	93.97
	34 1,2-Dichloroethane-d4 2nd	102	6.530	6.530	(0.921)	235758	100.000	106.0
	35 Benzene	78	6.590	6.590	(0.929)	2633739	100.000	91.74
	36 1,2-Dichloroethane	62	6.649	6.649	(0.937)	1432522	100.000	94.43
	37 Tert-amyl methyl ether	73	6.895	6.895	(0.972)	2802839	100.000	101.9
*	38 Fluorobenzene	96	7.092	7.092	(1.000)	1400279	50.0000	
	39 Trichloroethene	130	7.743	7.743	(1.092)	975148	100.000	91.34
	40 1,2-Dichloropropane(*)	63	8.118	8.118	(1.145)	1251956	100.000	90.54
	41 Dibromomethane	93	8.325	8.325	(1.174)	819313	100.000	89.51
	42 Bromodichloromethane	83	8.660	8.660	(1.221)	1895080	100.000	89.72
	44 2-Chloroethylvinyl ether	106	9.271	9.271	(1.307)	309296	200.000	202.9(A)
	43 1-Bromo-2-chloroethane	63	9.173	9.173	(1.293)	2205685	100.000	85.65
	45 cis-1,3-Dichloropropene	75	9.469	9.469	(1.335)	1616691	100.000	91.69
	46 4-Methyl-2-pentanone	43	9.823	9.823	(1.385)	7520024	500.000	469.9
$	47 Toluene-d8	98	9.922	9.922	(0.787)	2268286	100.000	93.73
	48 Toluene (*)	91	10.040	10.040	(0.796)	2667548	100.000	93.97
	49 trans-1,3-Dichloropropene	75	10.533	10.533	(0.835)	1437404	100.000	99.82
	50 1,1,2-Trichloroethane	97	10.839	10.839	(0.859)	891346	100.000	93.99
	51 Tetrachloroethene	164	11.036	11.036	(0.875)	843592	100.000	95.02
	52 1,3-Dichloropropane	76	11.135	11.135	(0.883)	1613641	100.000	91.81
	53 2-Hexanone	43	11.391	11.391	(0.903)	5352173	500.000	486.1
	54 Dibromochloromethane	129	11.549	11.549	(0.916)	1401118	100.000	94.28
	55 1,2-Dibromoethane	107	11.707	11.707	(0.928)	1234520	100.000	95.36
*	56 Chlorobenzene-d5	117	12.614	12.614	(1.000)	958543	50.0000	
	57 Chlorobenzene (**)	112	12.663	12.663	(1.004)	1785905	100.000	91.59
	58 1,1,1,2-Tetrachloroethane	131	12.860	12.860	(1.020)	966711	100.000	92.82
	59 Ethylbenzene (*)	106	12.929	12.929	(1.025)	894068	100.000	95.49
	60 m,p-Xylenes	106	13.166	13.166	(1.044)	2159051	200.000	189.0
	61 o-Xylene	106	13.925	13.925	(1.104)	1088503	100.000	99.51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.954	13.954	(1.106)	1805974	100.000	97.23
M	63 Xylenes (total)	100				3247554	300.000	288.5
	64 Bromoform (**)	173	14.270	14.270	(1.131)	1127650	100.000	98.49
	65 Isopropylbenzene	105	14.684	14.684	(1.164)	3207544	100.000	99.22
$	67 4-Bromofluorobenzene	95	14.940	14.940	(0.866)	1781851	100.000	87.59
	66 4-Bromofluorobenzene-2nd	174	14.950	14.950	(0.867)	1004292	100.000	88.27
	68 Bromobenzene	156	15.177	15.177	(0.880)	977846	100.000	90.04
	69 1,1,2,2-Tetrachloroethane(**)	83	15.325	15.325	(0.889)	1582944	100.000	88.28
	70 1,2,3-Trichloropropane	110	15.355	15.355	(0.890)	382321	100.000	90.89
	71 n-Propylbenzene	91	15.493	15.493	(0.898)	3746957	100.000	85.77
	72 2-Chlorotoluene	126	15.601	15.601	(0.905)	731446	100.000	91.02
	73 4-Chlorotoluene	126	15.828	15.828	(0.918)	730482	100.000	89.16
	74 1,3,5-Trimethylbenzene	105	15.877	15.877	(0.921)	2632366	100.000	88.57
	75 tert-Butylbenzene	119	16.498	16.498	(0.957)	2547563	100.000	91.80
	76 1,2,4-Trimethylbenzene	105	16.607	16.607	(0.963)	2665725	100.000	91.67
	77 sec-Butylbenzene	105	16.952	16.952	(0.983)	3415543	100.000	88.92
	78 1,3-Dichlorobenzene	146	17.100	17.100	(0.991)	1554243	100.000	89.67
*	79 1,4-Dichlorobenzene-d4	152	17.247	17.247	(1.000)	570283	50.0000	
	80 1,4-Dichlorobenzene	146	17.287	17.287	(1.002)	1637084	100.000	90.61
	81 p-Isopropyltoluene	119	17.287	17.287	(1.002)	2698413	100.000	89.75
	82 1,2-Dichlorobenzene	146	18.017	18.017	(1.045)	1547634	100.000	94.31
	83 n-Butylbenzene	91	18.115	18.115	(1.050)	2790225	100.000	88.46
	84 1,2-Dibromo-3-chloropropane	157	19.643	19.643	(1.139)	438682	100.000	101.8
	85 1,2,4-Trichlorobenzene	180	21.329	21.329	(1.237)	1199288	100.000	95.37
	86 Hexachlorobutadiene	225	21.753	21.753	(1.261)	630610	100.000	75.49
	87 Napthalene	128	21.793	21.793	(1.264)	2437405	100.000	104.5
	88 1,2,3-Trichlorobenzene	180	22.305	22.305	(1.293)	1146236	100.000	95.50

QC Flag Legend

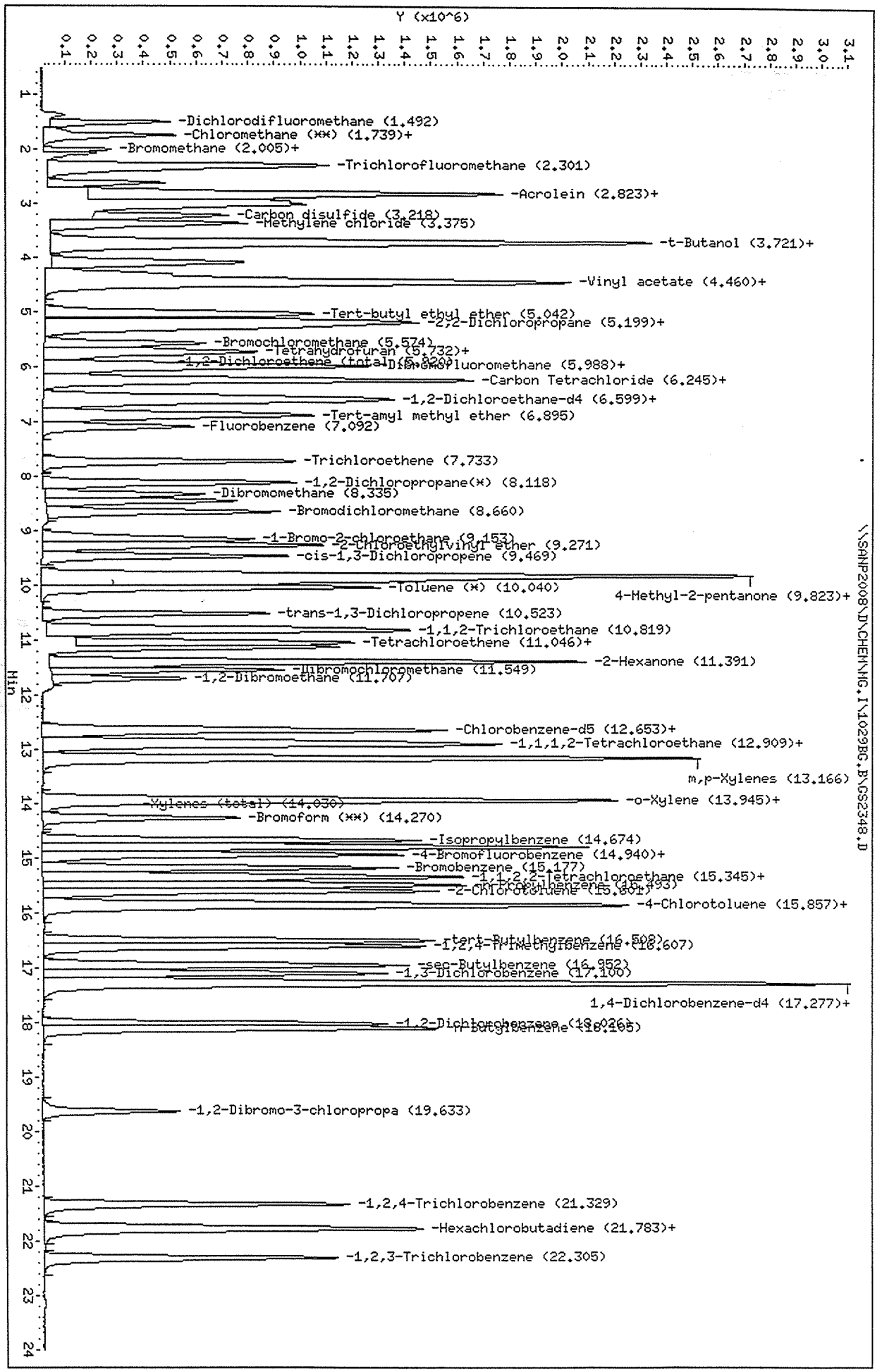
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\SANP2008\D\CHEM\MG.I\1029BG.B\GS2348.D
Date : 29-OCT-2000 18:40
Client ID:
Sample Info: 100 PPB 8260B,,4,0,,8260BGS.H

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\1029BG.B\GS2347.D
Lab Smp Id: 400 PPB 8260B
Inj Date : 29-OCT-2000 18:07
Operator : GFB Inst ID: mg.i
Smp Info : 400 PPB 8260B,,,5,0,,,8260BGS.M
Misc Info : 1284-2;81-2;82-2,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\chem\mg.i\1029BG.B\8260BGS.m
Meth Date : 30-Oct-2000 15:48 donga Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 6 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	1.522	1.522	(0.215)	6106193	400.000	381.7
3 Chloromethane (**)	50	1.758	1.758	(0.248)	4427743	400.000	372.7
2 Vinyl chloride (*)	62	1.748	1.748	(0.247)	4500488	400.000	371.4
4 Bromomethane	94	2.015	2.015	(0.284)	1712449	400.000	269.1
5 Chloroethane	64	2.084	2.084	(0.294)	1125846	400.000	208.6
6 Trichlorofluoromethane	101	2.291	2.291	(0.323)	2410060	400.000	128.1
7 Acrolein	56	2.793	2.793	(0.394)	2961517	4000.00	2851(A)
8 1,1-Dichloroethene(*)	96	2.784	2.784	(0.392)	3166746	400.000	339.5
9 1,1,2-Trichlorotrifluoroethan	151	2.784	2.784	(0.392)	4513753	400.000	342.4
10 Acetone	43	3.050	3.050	(0.430)	5583599	2000.00	1442
11 Iodomethane	142	2.941	2.941	(0.415)	11423542	800.000	782.2(A)
12 Carbon disulfide	76	2.991	2.991	(0.422)	9698993	400.000	305.3
13 Methylene chloride	84	3.375	3.375	(0.476)	3877434	400.000	358.9
14 t-Butanol	59	4.016	4.016	(0.566)	2757265	10000.0	9193(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Acrylontrile	53	3.819	3.819	(0.538)	11096328	4000.00	3424(AQ)
	15 trans-1,2-Dichloroethene	96	3.691	3.691	(0.520)	3988120	400.000	365.8
	19 Vinyl acetate	43	4.489	4.489	(0.633)	29208995	800.000	644.9(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.838	3.838	(0.541)	9200293	400.000	309.9
	18 1,1-Dichloroethane (**)	63	4.322	4.322	(0.609)	9333427	400.000	363.6
	20 Isopropyl ether	45	4.558	4.558	(0.643)	21320999	400.000	364.0
	22 Tert-butyl ethyl ether	59	5.101	5.101	(0.719)	17090934	400.000	384.9
	21 2,2-Dichloropropane	77	5.179	5.179	(0.730)	7538718	400.000	362.1
	23 cis-1,2-Dichloroethene	96	5.219	5.219	(0.736)	4443947	400.000	398.4
	24 2-Butanone	43	5.426	5.426	(0.765)	14745527	2000.00	1852
	25 Bromochloromethane	128	5.584	5.584	(0.787)	2464088	400.000	409.1(A)
	27 Tetrahydrofuran	42	5.791	5.791	(0.816)	1938494	400.000	361.8
	26 Chloroform (*)	83	5.761	5.761	(0.812)	9470493	400.000	392.0
M	28 1,2-Dichloroethene (total)	100				8432068	800.000	764.3
$	29 Dibromofluoromethane	111	6.037	6.037	(0.851)	7727176	400.000	404.2(A)
	30 1,1,1-Trichloroethane	97	5.958	5.958	(0.840)	7043818	400.000	362.9
	31 Carbon Tetrachloride	117	6.215	6.215	(0.876)	6139774	400.000	360.0
	32 1,1-Dichloropropene	75	6.234	6.234	(0.879)	7030499	400.000	368.2
$	33 1,2-Dichloroethane-d4	65	6.540	6.540	(0.922)	5418800	400.000	354.8
	34 1,2-Dichloroethane-d4 2nd	102	6.540	6.540	(0.922)	1142595	400.000	451.6(AQ)
	35 Benzene	78	6.579	6.579	(0.928)	12057792	400.000	369.3
	36 1,2-Dichloroethane	62	6.668	6.668	(0.940)	6114376	400.000	354.4
	37 Tert-amyl methyl ether	73	6.915	6.915	(0.975)	12098697	400.000	386.7
*	38 Fluorobenzene	96	7.092	7.092	(1.000)	1592532	50.0000	
	39 Trichloroethene	130	7.713	7.713	(1.088)	5167334	400.000	425.6(A)
	40 1,2-Dichloropropane(*)	63	8.117	8.117	(1.145)	6398435	400.000	406.9(A)
	41 Dibromomethane	93	8.334	8.334	(1.175)	3807435	400.000	365.7
	42 Bromodichloromethane	83	8.670	8.670	(1.222)	9548440	400.000	397.5
	44 2-Chloroethylvinyl ether	106	9.291	9.291	(1.310)	1777981	800.000	1026(A)
	43 1-Bromo-2-chloroethane	63	9.172	9.172	(1.293)	10811179	400.000	369.1
	45 cis-1,3-Dichloropropene	75	9.478	9.478	(1.336)	8576837	400.000	427.7(A)
	46 4-Methyl-2-pentanone	43	9.902	9.902	(1.396)	32078038	2000.00	1762
$	47 Toluene-d8	98	9.932	9.932	(0.787)	10839378	400.000	378.1
	48 Toluene (*)	91	10.050	10.050	(0.796)	13183428	400.000	392.0
	49 trans-1,3-Dichloropropene	75	10.533	10.533	(0.834)	7364284	400.000	431.7(A)
	50 1,1,2-Trichloroethane	97	10.868	10.868	(0.861)	4332538	400.000	385.7
	51 Tetrachloroethene	164	11.026	11.026	(0.873)	4175980	400.000	397.0
	52 1,3-Dichloropropane	76	11.144	11.144	(0.883)	8147220	400.000	391.3
	53 2-Hexanone	43	11.460	11.460	(0.908)	23175496	2000.00	1777
	54 Dibromochloromethane	129	11.568	11.568	(0.916)	6756017	400.000	383.7
	55 1,2-Dibromoethane	107	11.716	11.716	(0.928)	6042702	400.000	394.0
*	56 Chlorobenzene-d5	117	12.623	12.623	(1.000)	1135483	50.0000	
	57 Chlorobenzene (**)	112	12.672	12.672	(1.004)	8985542	400.000	389.0
	58 1,1,1,2-Tetrachloroethane	131	12.879	12.879	(1.020)	4726423	400.000	383.1
	59 Ethylbenzene (*)	106	12.939	12.939	(1.025)	4198937	400.000	378.6
	60 m,p-Xylenes	106	13.185	13.185	(1.045)	10136268	800.000	749.2
	61 o-Xylene	106	13.944	13.944	(1.105)	5040080	400.000	389.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.984	13.984	(1.108)	8475419	400.000	385.2
M	63 Xylenes (total)	100				15176349	1200.00	1138
	64 Bromoform (**)	173	14.299	14.299	(1.133)	5092786	400.000	375.5
	65 Isopropylbenzene	105	14.684	14.684	(1.163)	14481693	400.000	378.2
$	67 4-Bromofluorobenzene	95	14.970	14.970	(0.867)	8013338	400.000	411.2(A)
	66 4-Bromofluorobenzene-2nd	174	14.970	14.970	(0.867)	4704098	400.000	431.6(A)
	68 Bromobenzene	156	15.206	15.206	(0.881)	4410020	400.000	423.8(A)
	69 1,1,2,2-Tetrachloroethane(**)	83	15.354	15.354	(0.890)	6427472	400.000	374.2
	70 1,2,3-Trichloropropane	110	15.384	15.384	(0.891)	1751974	400.000	434.7(A)
	71 n-Propylbenzene	91	15.522	15.522	(0.899)	17537674	400.000	419.0(A)
	72 2-Chlorotoluene	126	15.630	15.630	(0.906)	3067002	400.000	398.4
	73 4-Chlorotoluene	126	15.857	15.857	(0.919)	3330381	400.000	424.3(A)
	74 1,3,5-Trimethylbenzene	105	15.896	15.896	(0.921)	11330384	400.000	397.9
	75 tert-Butylbenzene	119	16.518	16.518	(0.957)	10930555	400.000	408.9(A)
	76 1,2,4-Trimethylbenzene	105	16.626	16.626	(0.963)	10949316	400.000	393.0
	77 sec-Butylbenzene	105	16.961	16.961	(0.983)	14859414	400.000	403.8(A)
	78 1,3-Dichlorobenzene	146	17.129	17.129	(0.993)	6563019	400.000	395.2
*	79 1,4-Dichlorobenzene-d4	152	17.257	17.257	(1.000)	546349	50.0000	
	80 1,4-Dichlorobenzene	146	17.316	17.316	(1.003)	6483440	400.000	374.6
	81 p-Isopropyltoluene	119	17.296	17.296	(1.002)	10873222	400.000	377.5
	82 1,2-Dichlorobenzene	146	18.036	18.036	(1.045)	5985258	400.000	380.7
	83 n-Butylbenzene	91	18.125	18.125	(1.050)	11991025	400.000	396.8
	84 1,2-Dibromo-3-chloropropane	157	19.643	19.643	(1.138)	1730081	400.000	419.0(A)
	85 1,2,4-Trichlorobenzene	180	21.339	21.339	(1.237)	5218974	400.000	433.2(A)
	86 Hexachlorobutadiene	225	21.753	21.753	(1.261)	3740801	400.000	467.4(A)
	87 Napthalene	128	21.812	21.812	(1.264)	8503590	400.000	380.7
	88 1,2,3-Trichlorobenzene	180	22.325	22.325	(1.294)	4722356	400.000	410.7(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

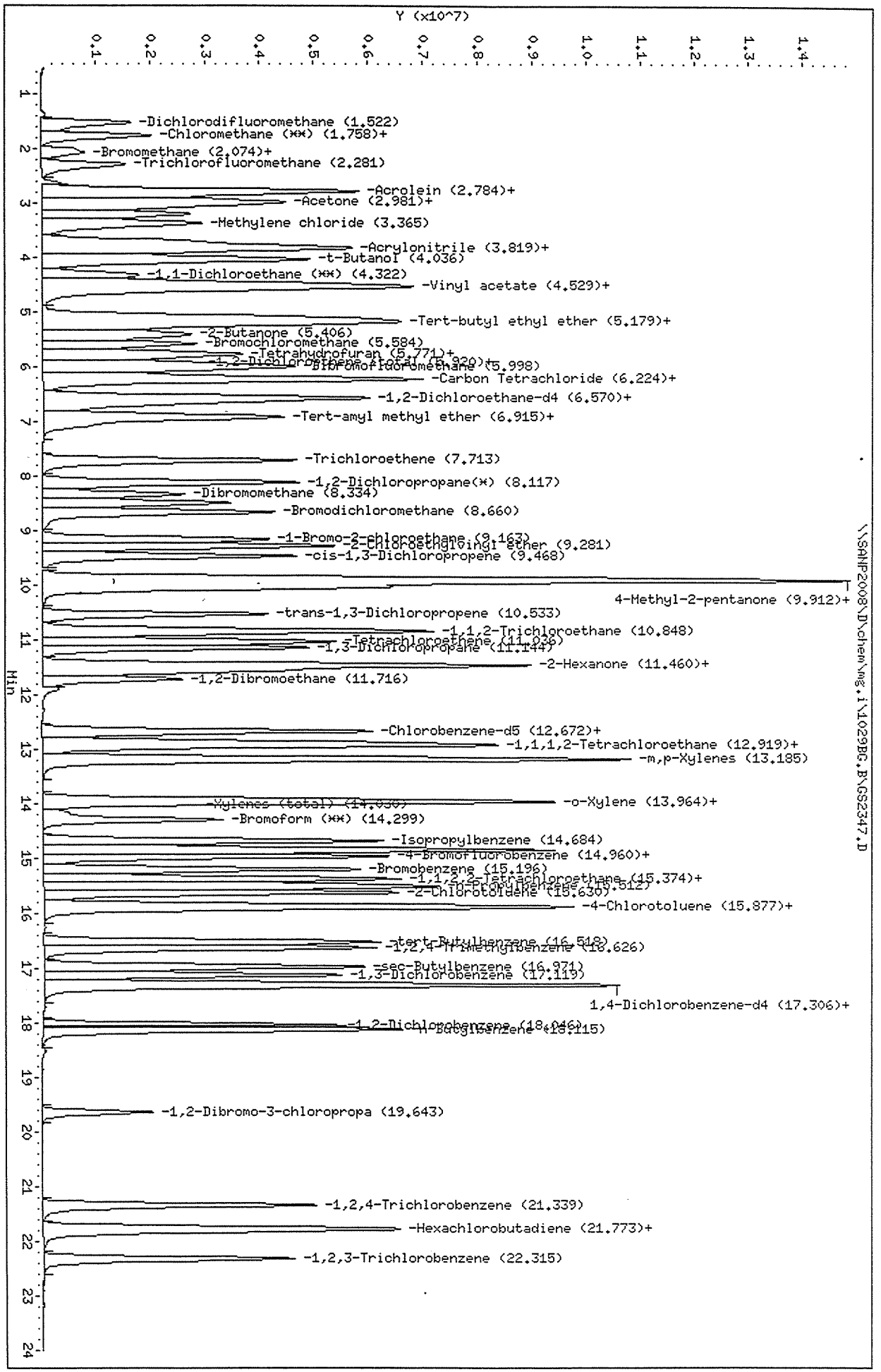
Data File: \\SANP2008\D\chem\mg.i\1029BG.B\GS2347.D
Date : 29-OCT-2000 18:07
Client ID:
Sample Info: 400 PPB 8260B,,,5,0,,,8260BGS.M

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB

Column diameter: 0.53



8260B SAMPLE / QC DATA

DATE ANALYZED:

INSTRUMENT ID:

SAMPLES:

BOE-C6-0163510

STL Los Angeles

Batch ID: 0309145

GC/MS VOA Run Log

FJK 11/7/09

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

Inst ID: MSG | EM Set: 1941 | Tune File: 13F3.U | Seq File: 11/03/BG

Init. Cal ID: 8260BGS 10-29-2009 | Date: 11/03/2009 PM

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
20:40	MD	GT1406	50ng 13F3			1µ			✓			MSVOA1265-2
20:54		GS2364	50ng 826013	1	S	5g	1.0	147	✓			J1241-1; SD21284-2
21:42		GT09569	LCS 1103BG	2				128	✓			OC1245-2
22:15		70	MB-1103BG	3				134	✓			
22:49		71	DNWC5IAC	4				135	✓			T EOJ260324-17
23:22		72	DNWC5IAMS	5				133	✓			0309032-17MS
23:55		73	DNWC5IAMD	6				134	✓			-17MD
0:28		74	DNWC4IAC	7				122	✓			-20
1:00		75	DNWC2IAC	8				133	✓	✓		Mech = 583 -21
1:33		76	DNWC6IAC	9				135	✓			-22
2:06		77	DNWDE1AC	10				136	✓			-23
2:39		78	DNWDG1AC	11				132	✓			-24
3:12		79	DNWDL1AC	12				122	✓			-25
3:45		80	DNWDN1AA	13				127	✓			-26
4:18		81	DNRDE1AC	14				133	✓			T EOJ270276-20
4:51		82	DNRDF1AA	15				126	✓			T -21
5:23		83	DNRDG1AA	16				124	✓			T -22
5:56		84	DNRDH1AA	17				113	✓			T -23
6:29		85	DNOTG1AA	18				125	✓			T EOJ270306-1
7:02		86	DNOTK1AC	19				126	✓			T -2
7:35		87	DNORL1AA	20				128	✓			EOJ270305-1
8:08		88	DNWD31AA	21				116	✓			T EOJ260327-2
8:41		GT09589	DNWD61AA	22				127	✓	✓		past tune -3

4

G:\FORMS\Run Log\MSV Runlog.DOC

Version 01/04/99

BOE-C6-0163511

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA46863

Lab File ID (Standard): GS2364 Date Analyzed: 11/03/00

Instrument ID: MG Time Analyzed: 2059

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	1476610	7.10	976483	12.61	570846	17.25
	UPPER LIMIT	2953220	7.60	1952966	13.11	1141692	17.75
	LOWER LIMIT	738305	6.60	488242	12.11	285423	16.75
	EPA SAMPLE NO.						
01	G09569	1289225	7.09	978081	12.60	582175	17.25
02	G09570	1307020	7.12	918180	12.62	527230	17.26
03	G09571	1353501	7.10	971415	12.63	541278	17.26
04	G09572	1330176	7.10	970325	12.63	564775	17.26
05	G09573	1346473	7.11	955652	12.62	551506	17.27
06	G09574	1220152	7.13	842075	12.63	468938	17.26
07	G09575	1331251	7.11	924990	12.63	512250	17.27
08	G09576	1358864	7.11	969940	12.63	545864	17.27
09	G09577	1369089	7.11	995174	12.62	559731	17.27
10	G09578	1321796	7.12	936934	12.63	517072	17.27
11	G09579	1221370	7.08	991104	12.61	550327	17.26
12	G09580	1275408	7.11	898335	12.63	475292	17.26
13	G09581	1334607	7.11	955224	12.62	554187	17.27
14	G09582	1263803	7.11	890033	12.62	497976	17.27
15	G09583	1244593	7.11	857936	12.62	435081	17.27
16	G09584	1130192	7.08	890980	12.61	507358	17.27
17	G09585	1252548	7.11	889004	12.63	485052	17.28
18	G09586	1264735	7.11	888487	12.62	511763	17.26
19	G09587	1282781	7.11	871060	12.62	501449	17.27
20	G09588	1161035	7.16	800815	12.63	459067	17.26
21	G09589	1275088	7.11	890803	12.62	491762	17.26
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\1103BG.B\GT1406.D
Lab Smp Id:
Inj Date : 03-NOV-2000 20:40
Operator : AD Inst ID: mg.i
Smp Info : 50ng bfb,,,,,,bfb.M
Misc Info : 1265-2,,,3,all.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.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		
1.7804	1.8000	(0.000)	95	87914			0.00- 100.00	100.00
1.7804	1.8000	(0.000)	50	20944			15.00- 40.00	23.82
1.7804	1.8000	(0.000)	75	47592			30.00- 60.00	54.13
1.7804	1.8000	(0.000)	96	6744			5.00- 9.00	7.67
1.7804	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7804	1.8000	(0.000)	174	44621			50.00- 0.00	50.76
1.7804	1.8000	(0.000)	175	3173			5.00- 9.00	7.11
1.7804	1.8000	(0.000)	176	43392			95.00- 101.00	97.25
1.7804	1.8000	(0.000)	177	3303			5.00- 9.00	7.61

11/3/2000

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\GT1406.D

Date : 03-NOV-2000 20:40

Client ID:

Instrument: mg.i

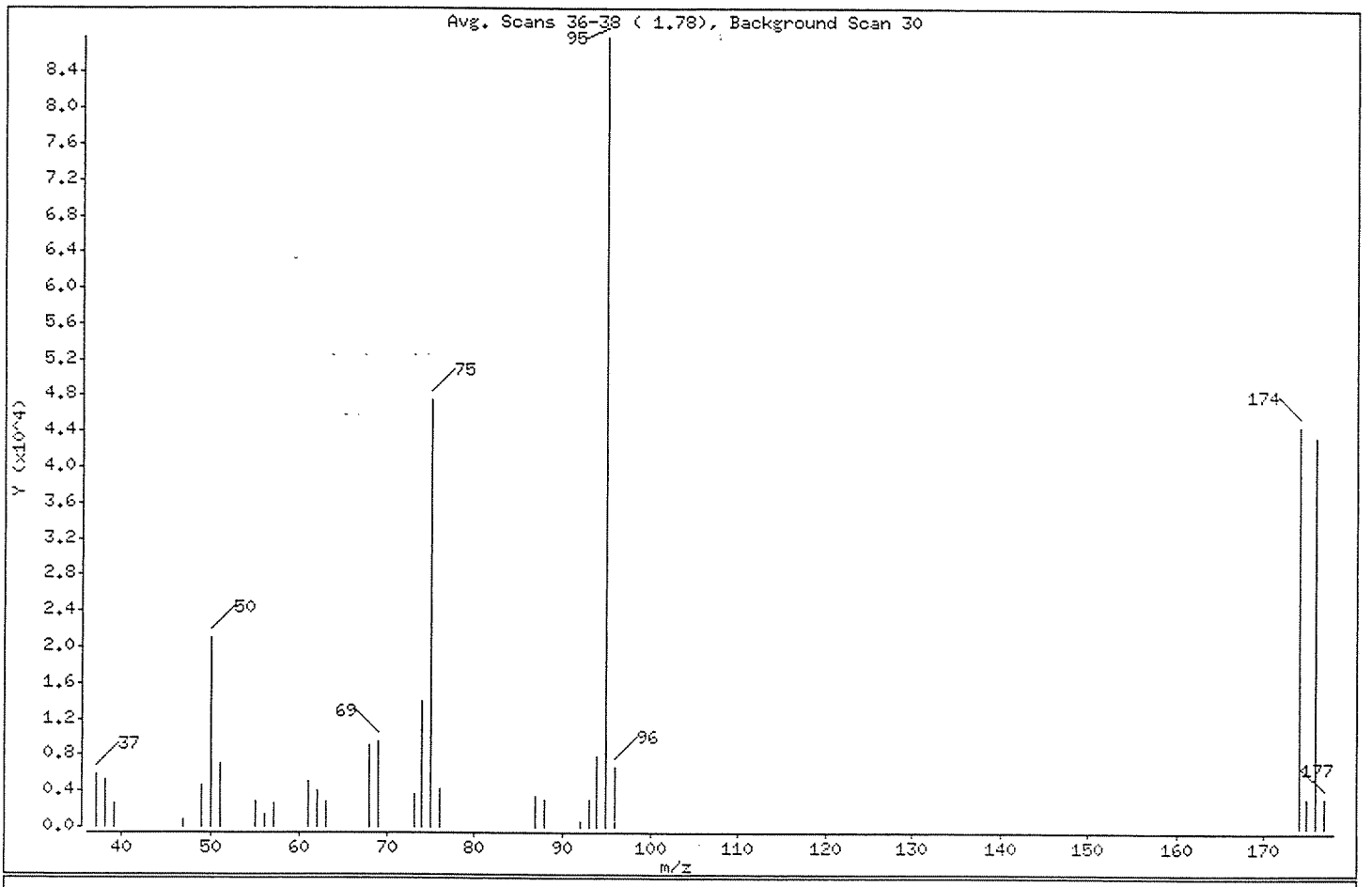
Sample Info: 50ng bfb,,,,,,bfb.M

Operator: AD

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	23.82
75	30.00 - 60.00% of mass 95	54.13
96	5.00 - 9.00% of mass 95	7.67
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	50.76
175	5.00 - 9.00% of mass 174	3.61 (7.11)
176	95.00 - 101.00% of mass 174	49.36 (97.25)
177	5.00 - 9.00% of mass 176	3.76 (7.61)

m7
11/3/2000

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\GT1406.D

Date : 03-NOV-2000 20:40

Client ID:

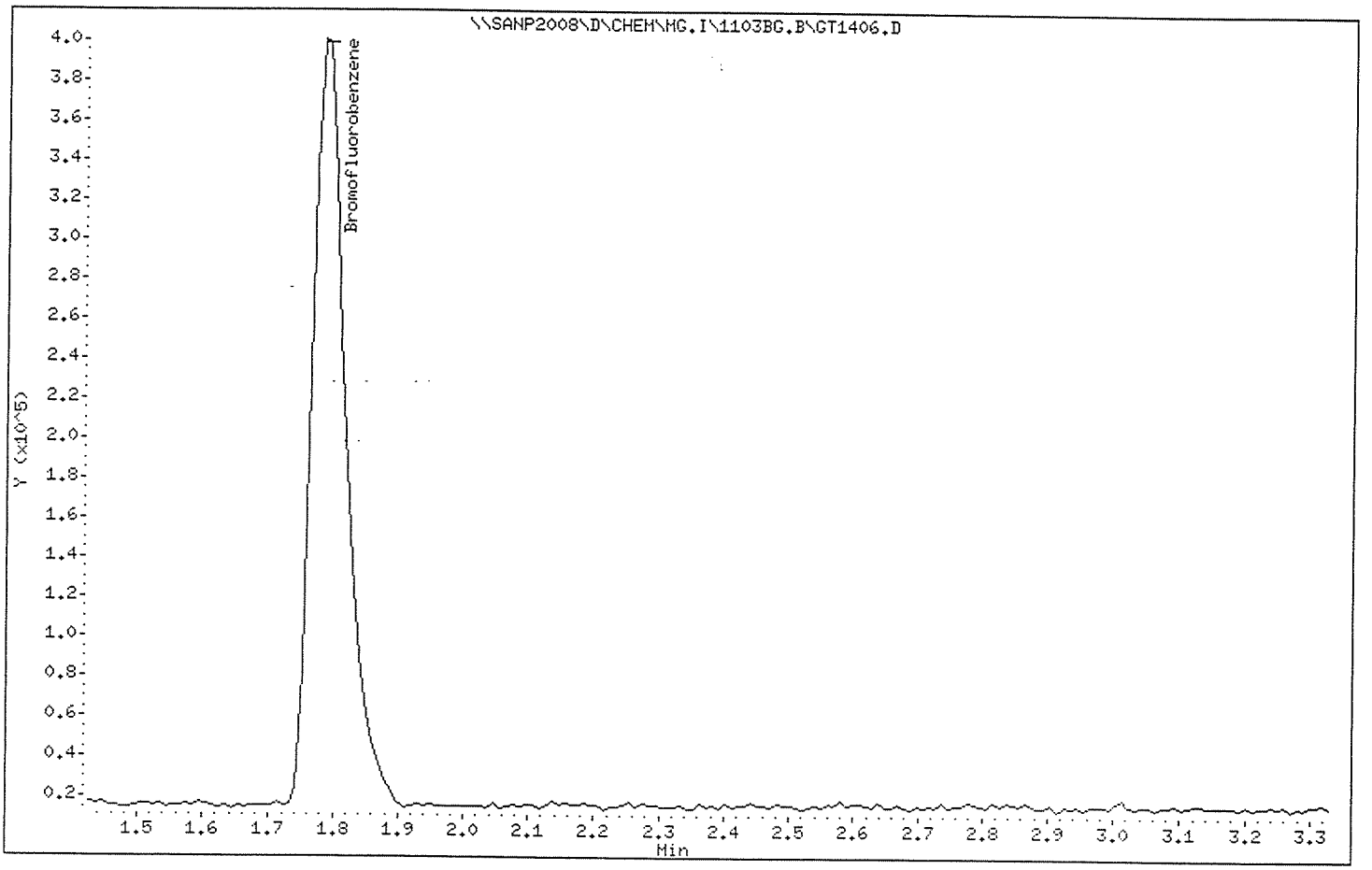
Instrument: mg.i

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

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\GT1406.D

Date : 03-NOV-2000 20:40

Client ID:

Instrument: mg.i

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

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Data File: GT1406.D
Spectrum: Avg. Scans 36-38 (1.78), Background Scan 30
Location of Maximum: 95.00
Number of points: 30

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	5867	56.00	1387	74.00	13939	95.00	87912
38.00	5330	57.00	2719	75.00	47592	96.00	6744
39.00	2553	61.00	5007	76.00	4260	174.00	44616
47.00	775	62.00	4050	87.00	3420	175.00	3173
49.00	4600	63.00	2832	88.00	3018	176.00	43392
50.00	20944	68.00	9030	92.00	707	177.00	3303
51.00	7009	69.00	9557	93.00	3044		
55.00	2869	73.00	3563	94.00	7982		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2364.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m

Injection Date: 03-NOV-2000 20:59
Init. Cal. Date(s): 29-OCT-2000 29-OCT-2000
Init. Cal. Times: 14:27 18:40
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Dichlorodifluoromethane	0.50225	0.26293	0.010	-47.6	50.0
	3 Chloromethane (**)	0.37303	0.33986	0.100	-8.9	50.0
	2 Vinyl chloride (*)	0.38044	0.34875	0.010	-8.3	20.0
	4 Bromomethane	0.19979	0.22512	0.010	12.7	50.0
	5 Chloroethane	0.16944	0.23837	0.010	40.7	50.0
	6 Trichlorofluoromethane	0.59051	0.66978	0.010	13.4	50.0
	7 Acrolein	0.03261	0.02967	0.001	-9.0	50.0
	8 1,1-Dichloroethene(*)	0.29284	0.32498	0.010	11.0	20.0
	9 1,1,2-Trichlorotrifluoroeth	0.41383	0.40811	0.010	-1.4	50.0
	10 Acetone	0.12153	0.12247	0.010	0.8	50.0
	11 Iodomethane	0.45851	0.50025	0.001	9.1	50.0
	12 Carbon disulfide	0.99745	1.29001	0.010	29.3	50.0
	13 Methylene chloride	0.33918	0.38877	0.010	14.6	50.0
	14 t-Butanol	0.00942	0.00991	0.001	5.3	20.0
	16 Acrylonitrile	0.10173	0.10576	0.001	4.0	20.0
	15 trans-1,2-Dichloroethene	0.34225	0.38320	0.010	12.0	50.0
	19 Vinyl acetate	1.42209	1.51799	0.010	6.7	50.0
	17 Methyl-tert-butyl ether[MTB	0.93203	1.03697	0.010	11.3	50.0
	18 1,1-Dichloroethane (**)	0.80591	0.88534	0.100	9.9	50.0
	20 Isopropyl ether	1.83902	1.97734	0.010	7.5	20.0
	22 Tert-butyl ethyl ether	1.39408	1.48005	0.010	6.2	20.0
	21 2,2-Dichloropropane	0.65362	0.65632	0.010	0.4	50.0
	23 cis-1,2-Dichloroethene	0.35018	0.36005	0.010	2.8	50.0
	24 2-Butanone	0.25004	0.22502	0.010	-10.0	50.0
	25 Bromochloromethane	0.18910	0.19011	0.010	0.5	50.0
	27 Tetrahydrofuran	0.16822	0.15731	0.010	-6.5	50.0
	26 Chloroform (*)	0.75854	0.77531	0.010	2.2	20.0
M	28 1,2-Dichloroethene (total)	0.34621	0.37163	0.010	7.3	50.0
$	29 Dibromofluoromethane	0.60016	0.57946	0.010	-3.4	50.0
	30 1,1,1-Trichloroethane	0.60938	0.60569	0.010	-0.6	50.0
	31 Carbon Tetrachloride	0.53549	0.51760	0.010	-3.3	50.0
	32 1,1-Dichloropropene	0.59949	0.61012	0.010	1.8	50.0
$	33 1,2-Dichloroethane-d4	0.47944	0.42567	0.010	-11.2	50.0
	34 1,2-Dichloroethane-d4 2nd	0.07943	0.07686	0.010	-3.2	50.0
	35 Benzene	1.02507	1.00761	0.010	-1.7	50.0

JM 10/29 20

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2364.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m

Injection Date: 03-NOV-2000 20:59
Init. Cal. Date(s): 29-OCT-2000 29-OCT-2000
Init. Cal. Times: 14:27 18:40
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	36 1,2-Dichloroethane	0.54168	0.51603	0.010	-4.7	50.0
	37 Tert-amyl methyl ether	0.98240	1.09481	0.010	11.4	20.0
	39 Trichloroethene	0.38121	0.40249	0.010	5.6	50.0
	40 1,2-Dichloropropane(*)	0.49375	0.52249	0.010	5.8	20.0
	41 Dibromomethane	0.32684	0.33781	0.010	3.4	50.0
	42 Bromodichloromethane	0.75424	0.76006	0.010	0.8	50.0
	44 2-Chloroethylvinyl ether	0.05442	0.05637	0.010	3.6	20.0
	43 1-Bromo-2-chloroethane	0.91955	0.86478	0.010	-6.0	50.0
	45 cis-1,3-Dichloropropene	0.62957	0.64203	0.010	2.0	50.0
	46 4-Methyl-2-pentanone	0.57141	0.54554	0.010	-4.5	50.0
$	47 Toluene-d8	1.26232	1.33909	0.010	6.1	50.0
	48 Toluene (*)	1.48076	1.62909	0.010	10.0	20.0
	49 trans-1,3-Dichloropropene	0.75110	0.79972	0.010	6.5	50.0
	50 1,1,2-Trichloroethane	0.49466	0.50222	0.010	1.5	50.0
	51 Tetrachloroethene	0.46312	0.50214	0.010	8.4	50.0
	52 1,3-Dichloropropane	0.91683	0.98689	0.010	7.6	50.0
	53 2-Hexanone	0.57430	0.58862	0.010	2.5	50.0
	54 Dibromochloromethane	0.77524	0.79686	0.010	2.8	50.0
	55 1,2-Dibromoethane	0.67529	0.69701	0.010	3.2	50.0
	57 Chlorobenzene (**)	1.01713	1.09841	0.300	8.0	50.0
	58 1,1,1,2-Tetrachloroethane	0.54329	0.56120	0.010	3.3	50.0
	59 Ethylbenzene (*)	0.48840	0.53940	0.010	10.4	20.0
	60 m,p-Xylenes	0.59580	0.65599	0.010	10.1	50.0
	61 o-Xylene	0.57058	0.63283	0.010	10.9	50.0
	62 Styrene	0.96890	1.07046	0.010	10.5	50.0
M	63 Xylenes (total)	0.58739	0.64827	0.010	10.4	50.0
	64 Bromoform (**)	0.59723	0.58552	0.100	-2.0	50.0
	65 Isopropylbenzene	1.68631	1.92925	0.010	14.4	50.0
$	67 4-Bromofluorobenzene	1.78353	1.96840	0.010	10.4	50.0
	66 4-Bromofluorobenzene-2nd	0.99757	1.01524	0.010	1.8	50.0
	68 Bromobenzene	0.95221	0.95355	0.010	0.1	50.0
	69 1,1,2,2-Tetrachloroethane(*	1.57200	1.54874	0.300	-1.5	50.0
	70 1,2,3-Trichloropropane	0.36880	0.35693	0.010	-3.2	50.0
	71 n-Propylbenzene	3.83013	4.11492	0.010	7.4	50.0
	72 2-Chlorotoluene	0.70457	0.76220	0.010	8.2	50.0
	73 4-Chlorotoluene	0.71834	0.75196	0.010	4.7	50.0

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2364.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m

Injection Date: 03-NOV-2000 20:59
Init. Cal. Date(s): 29-OCT-2000 29-OCT-2000
Init. Cal. Times: 14:27 18:40
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.60572	2.76131	0.010	6.0	50.0
75 tert-Butylbenzene	2.44647	2.67257	0.010	9.2	50.0
76 1,2,4-Trimethylbenzene	2.54962	2.75458	0.010	8.0	50.0
77 sec-Butylbenzene	3.36787	3.81116	0.010	13.2	50.0
78 1,3-Dichlorobenzene	1.51967	1.57045	0.010	3.3	50.0
80 1,4-Dichlorobenzene	1.58410	1.65375	0.010	4.4	50.0
81 p-Isopropyltoluene	2.63613	2.88879	0.010	9.6	50.0
82 1,2-Dichlorobenzene	1.43878	1.50447	0.010	4.6	50.0
83 n-Butylbenzene	2.76553	3.27199	0.010	18.3	50.0
84 1,2-Dibromo-3-chloropropane	0.37788	0.36016	0.010	-4.7	50.0
85 1,2,4-Trichlorobenzene	1.10253	1.18681	0.010	7.6	50.0
86 Hexachlorobutadiene	0.73243	0.92966	0.010	26.9	50.0
87 Napthalene	2.04417	2.10316	0.010	2.9	50.0
88 1,2,3-Trichlorobenzene	1.05227	1.11431	0.010	5.9	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2008\D\CHEM\MG.I\1103BG.B/GS2364.D
Inj. Date : 03-NOV-2000 20:59

ICAL Mid Point : //SANP2008/D/chem/mg.i/1029BG.B/GS2344.D
Inj. Date : 29-OCT-2000 15:33

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	7.12	7.10	0.02	1418620	1476610	104.1%
Chlorobenzene-d5	12.63	12.61	0.02	1021004	976483	95.6%
1,4-Dichlorobenzene-d4	17.26	17.25	0.01	601080	570846	95.0%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2364.D
Lab Smp Id: 50 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Misc Info: 1284-2;81-1;84-1,,5,,2,1-8260B.SUB

Calibration Date: 03-NOV-2000
Calibration Time: 20:07

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1356488	678244	2712976	1476610	8.86
56 Chlorobenzene-d5	1063784	531892	2127568	976483	-8.21
79 1,4-Dichlorobenze	615408	307704	1230816	570846	-7.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.09	6.59	7.59	7.10	0.09
56 Chlorobenzene-d5	12.62	12.12	13.12	12.61	-0.11
79 1,4-Dichlorobenze	17.26	16.76	17.76	17.25	-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.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1103BG.B\GS2364.D
Lab Smp Id: 50 PPB 8260B
Inj Date : 03-NOV-2000 20:59
Operator : AD Inst ID: mg.i
Smp Info : 50 PPB 8260B,,,3,0,,,8260BGS.M
Misc Info : 1284-2;81-1;84-1,,5,,2,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 21:24 beckmang Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.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)	ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.498	1.498	(0.211)	388245	50.0000	26.18
3 Chloromethane (**)	50	1.704	1.704	(0.240)	501839	50.0000	45.55
2 Vinyl chloride (*)	62	1.734	1.734	(0.244)	514968	50.0000	45.84
4 Bromomethane	94	2.010	2.010	(0.283)	332409	50.0000	56.34
5 Chloroethane	64	2.099	2.099	(0.296)	351983	50.0000	70.34
6 Trichlorofluoromethane	101	2.336	2.336	(0.329)	989010	50.0000	56.71
7 Acrolein	56	2.750	2.750	(0.387)	438140	500.000	454.9(A)
8 1,1-Dichloroethene(*)	96	2.838	2.838	(0.400)	479862	50.0000	55.49
9 1,1,2-Trichlorotrifluoroethan	151	2.829	2.829	(0.399)	602620	50.0000	49.31
10 Acetone	43	2.927	2.927	(0.412)	904216	250.000	251.9
11 Iodomethane	142	2.986	2.986	(0.421)	1477354	100.000	109.1(A)
12 Carbon disulfide	76	3.045	3.045	(0.429)	1904838	50.0000	64.66
13 Methylene chloride	84	3.371	3.371	(0.475)	574062	50.0000	57.31
14 t-Butanol	59	3.627	3.627	(0.511)	366009	1250.00	1316

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.716	3.716	(0.524)	1561649	500.000	519.8 (AQ)
	15 trans-1,2-Dichloroethene	96	3.726	3.726	(0.525)	565843	50.0000	55.98
	19 Vinyl acetate	43	4.445	4.445	(0.626)	4482970	100.000	106.7 (A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.755	3.755	(0.529)	1531194	50.0000	55.63
	18 1,1-Dichloroethane (**)	63	4.327	4.327	(0.610)	1307301	50.0000	54.93
	20 Isopropyl ether	45	4.485	4.485	(0.632)	2919761	50.0000	53.76
	22 Tert-butyl ethyl ether	59	5.057	5.057	(0.712)	2185460	50.0000	53.38
	21 2,2-Dichloropropane	77	5.185	5.185	(0.731)	969124	50.0000	50.21
	23 cis-1,2-Dichloroethene	96	5.214	5.214	(0.735)	531655	50.0000	51.41
	24 2-Butanone	43	5.303	5.303	(0.747)	1661366	250.000	225.0
	25 Bromochloromethane	128	5.589	5.589	(0.787)	280717	50.0000	50.26
	27 Tetrahydrofuran	42	5.707	5.707	(0.804)	232279	50.0000	46.76
	26 Chloroform (*)	83	5.747	5.747	(0.810)	1144836	50.0000	51.10
M	28 1,2-Dichloroethene (total)	100				1097498	100.000	107.4
$	29 Dibromofluoromethane	111	6.013	6.013	(0.847)	855641	50.0000	48.28
	30 1,1,1-Trichloroethane	97	5.983	5.983	(0.843)	894374	50.0000	49.70
	31 Carbon Tetrachloride	117	6.230	6.230	(0.878)	764294	50.0000	48.33
	32 1,1-Dichloropropene	75	6.260	6.260	(0.882)	900912	50.0000	50.39
$	33 1,2-Dichloroethane-d4	65	6.526	6.526	(0.919)	628543	50.0000	44.39
	34 1,2-Dichloroethane-d4 2nd	102	6.545	6.545	(0.922)	113498	50.0000	48.38 (Q)
	35 Benzene	78	6.585	6.585	(0.928)	1487853	50.0000	49.15
	36 1,2-Dichloroethane	62	6.654	6.654	(0.937)	761969	50.0000	47.63
	37 Tert-amyl methyl ether	73	6.891	6.891	(0.971)	1616611	50.0000	55.72
*	38 Fluorobenzene	96	7.098	7.098	(1.000)	1476610	50.0000	
	39 Trichloroethene	130	7.738	7.738	(1.090)	594320	50.0000	52.79
	40 1,2-Dichloropropane(*)	63	8.123	8.123	(1.144)	771520	50.0000	52.91
	41 Dibromomethane	93	8.330	8.330	(1.174)	498808	50.0000	51.68
	42 Bromodichloromethane	83	8.655	8.655	(1.219)	1122319	50.0000	50.39
	44 2-Chloroethylvinyl ether	106	9.277	9.277	(1.307)	166475	100.000	103.6 (AQ)
	43 1-Bromo-2-chloroethane	63	9.158	9.158	(1.290)	1276945	50.0000	47.02
	45 cis-1,3-Dichloropropene	75	9.464	9.464	(1.333)	948026	50.0000	50.99
	46 4-Methyl-2-pentanone	43	9.819	9.819	(1.383)	4027720	250.000	238.7
$	47 Toluene-d8	98	9.917	9.917	(0.787)	1307604	50.0000	53.04
	48 Toluene (*)	91	10.036	10.036	(0.796)	1590778	50.0000	55.01
	49 trans-1,3-Dichloropropene	75	10.529	10.529	(0.835)	780911	50.0000	53.24
	50 1,1,2-Trichloroethane	97	10.844	10.844	(0.860)	490412	50.0000	52.76
	51 Tetrachloroethene	164	11.041	11.041	(0.876)	490329	50.0000	54.21
	52 1,3-Dichloropropane	76	11.120	11.120	(0.882)	963679	50.0000	53.82
	53 2-Hexanone	43	11.386	11.386	(0.903)	2873893	250.000	256.2
	54 Dibromochloromethane	129	11.544	11.544	(0.916)	778120	50.0000	51.39
	55 1,2-Dibromoethane	107	11.702	11.702	(0.928)	680614	50.0000	51.61
*	56 Chlorobenzene-d5	117	12.609	12.609	(1.000)	976483	50.0000	
	57 Chlorobenzene (**)	112	12.668	12.668	(1.005)	1072582	50.0000	54.00
	58 1,1,1,2-Tetrachloroethane	131	12.855	12.855	(1.020)	547998	50.0000	51.65
	59 Ethylbenzene (*)	106	12.924	12.924	(1.025)	526719	50.0000	55.22
	60 m,p-Xylenes	106	13.171	13.171	(1.045)	1281128	100.000	110.1
	61 o-Xylene	106	13.920	13.920	(1.104)	617947	50.0000	55.45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.960	13.960	(1.107)	1045289	50.0000	55.24
M	63 Xylenes (total)	100				1899075	150.000	165.6
	64 Bromoform (**)	173	14.275	14.275	(1.132)	571748	50.0000	49.02
	65 Isopropylbenzene	105	14.679	14.679	(1.164)	1883883	50.0000	57.20
S	67 4-Bromofluorobenzene	95	14.946	14.946	(0.866)	1123655	50.0000	55.18
	66 4-Bromofluorobenzene-2nd	174	14.946	14.946	(0.866)	579547	50.0000	50.88
	68 Bromobenzene	156	15.192	15.192	(0.881)	544331	50.0000	50.07
	69 1,1,2,2-Tetrachloroethane(**)	83	15.330	15.330	(0.889)	884094	50.0000	49.26
	70 1,2,3-Trichloropropane	110	15.360	15.360	(0.890)	203752	50.0000	48.39
	71 n-Propylbenzene	91	15.498	15.498	(0.898)	2348991	50.0000	53.72
	72 2-Chlorotoluene	126	15.616	15.616	(0.905)	435101	50.0000	54.09
	73 4-Chlorotoluene	126	15.843	15.843	(0.918)	429253	50.0000	52.34
	74 1,3,5-Trimethylbenzene	105	15.892	15.892	(0.921)	1576283	50.0000	52.98
	75 tert-Butylbenzene	119	16.513	16.513	(0.957)	1525628	50.0000	54.62
	76 1,2,4-Trimethylbenzene	105	16.622	16.622	(0.963)	1572442	50.0000	54.02
	77 sec-Butylbenzene	105	16.967	16.967	(0.983)	2175589	50.0000	56.58
	78 1,3-Dichlorobenzene	146	17.105	17.105	(0.991)	896487	50.0000	51.67
*	79 1,4-Dichlorobenzene-d4	152	17.253	17.253	(1.000)	570846	50.0000	(Q)
	80 1,4-Dichlorobenzene	146	17.302	17.302	(1.003)	944037	50.0000	52.20
	81 p-Isopropyltoluene	119	17.282	17.282	(1.002)	1649057	50.0000	54.79
	82 1,2-Dichlorobenzene	146	18.031	18.031	(1.045)	858819	50.0000	52.28
	83 n-Butylbenzene	91	18.120	18.120	(1.050)	1867807	50.0000	59.16
	84 1,2-Dibromo-3-chloropropane	157	19.639	19.639	(1.138)	205598	50.0000	47.66
	85 1,2,4-Trichlorobenzene	180	21.334	21.334	(1.237)	677486	50.0000	53.82
	86 Hexachlorobutadiene	225	21.758	21.758	(1.261)	530694	50.0000	63.46
	87 Napthalene	128	21.817	21.817	(1.265)	1200583	50.0000	51.44
	88 1,2,3-Trichlorobenzene	180	22.320	22.320	(1.294)	636099	50.0000	52.95

QC Flag Legend

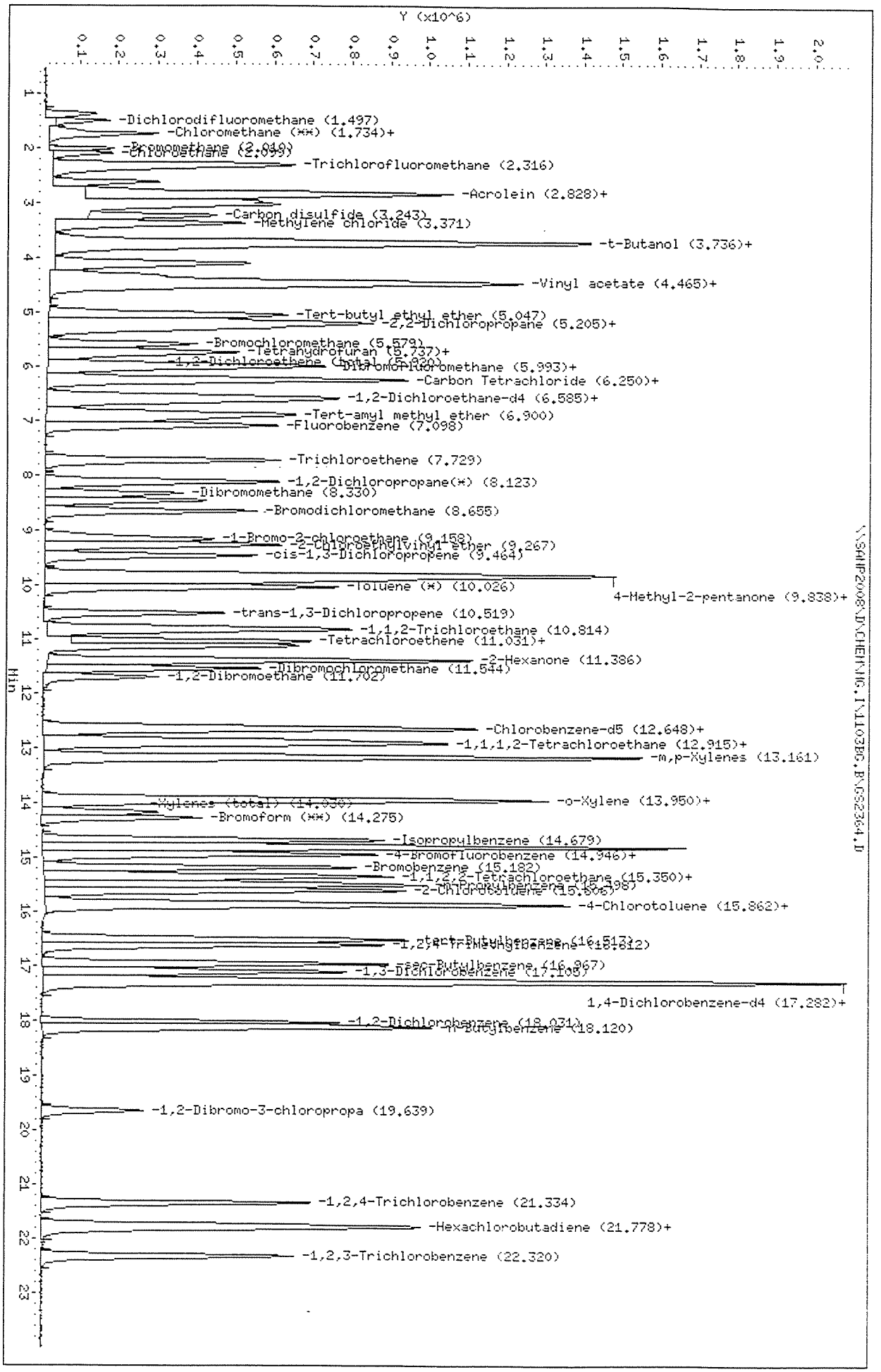
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\GS2364.D
Date : 03-NOV-2000 20:59
Client ID:
Sample Info: 50 PPB 8260B,,,3,0,,,8260BGS,H

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53



STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G09569.D
Lab Smp Id: LCS-1103BG
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Misc Info: 1285-2,,5,,3,SPK.SUB,SH.SPK

Calibration Date: 03-NOV-2000
Calibration Time: 20:59
Client Smp ID: G09569
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1476610	738305	2953220	1289225	-12.69
56 Chlorobenzene-d5	976483	488242	1952966	978081	0.16
79 1,4-Dichlorobenze	570846	285423	1141692	582175	1.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.09	-0.09
56 Chlorobenzene-d5	12.61	12.11	13.11	12.60	-0.05
79 1,4-Dichlorobenze	17.25	16.75	17.75	17.25	-0.04

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\1103BG.B\G09569.D
Lab Smp Id: LCS-1103BG
Client Smp ID: G09569
Inj Date : 03-NOV-2000 21:42
Operator : AD
Inst ID: mg.i
Smp Info : LCS-1103BG,LCS,2,,0,1,0,8260BGS.M,G09569
Misc Info : 1285-2,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 21:24 beckmang
Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40
Cal File: GS2348.D
Als bottle: 2
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	2.832	2.838	(0.399)	522184	69.1573	69.16
$ 29 Dibromofluoromethane	111	6.007	6.013	(0.847)	866337	55.9840	55.98
$ 33 1,2-Dichloroethane-d4	65	6.529	6.526	(0.921)	629522	50.9239	50.92
34 1,2-Dichloroethane-d4 2nd	102	6.529	6.545	(0.921)	109588	53.5051	53.50(Q)
35 Benzene	78	6.589	6.585	(0.929)	1497897	56.6720	56.67
* 38 Fluorobenzene	96	7.091	7.098	(1.000)	1289225	50.0000	
39 Trichloroethene	130	7.723	7.738	(1.089)	599260	60.9669	60.97
$ 47 Toluene-d8	98	9.911	9.917	(0.786)	1305805	52.8817	52.88
48 Toluene (*)	91	10.039	10.036	(0.797)	1603244	55.3489	55.35
* 56 Chlorobenzene-d5	117	12.603	12.609	(1.000)	978081	50.0000	
57 Chlorobenzene (**)	112	12.652	12.668	(1.004)	1047831	52.6636	52.66
$ 67 4-Bromofluorobenzene	95	14.939	14.946	(0.866)	1102820	53.1055	53.10
66 4-Bromofluorobenzene-2nd	174	14.939	14.946	(0.866)	563911	48.5492	48.55
* 79 1,4-Dichlorobenzene-d4	152	17.247	17.253	(1.000)	582175	50.0000	

QC Flag Legend

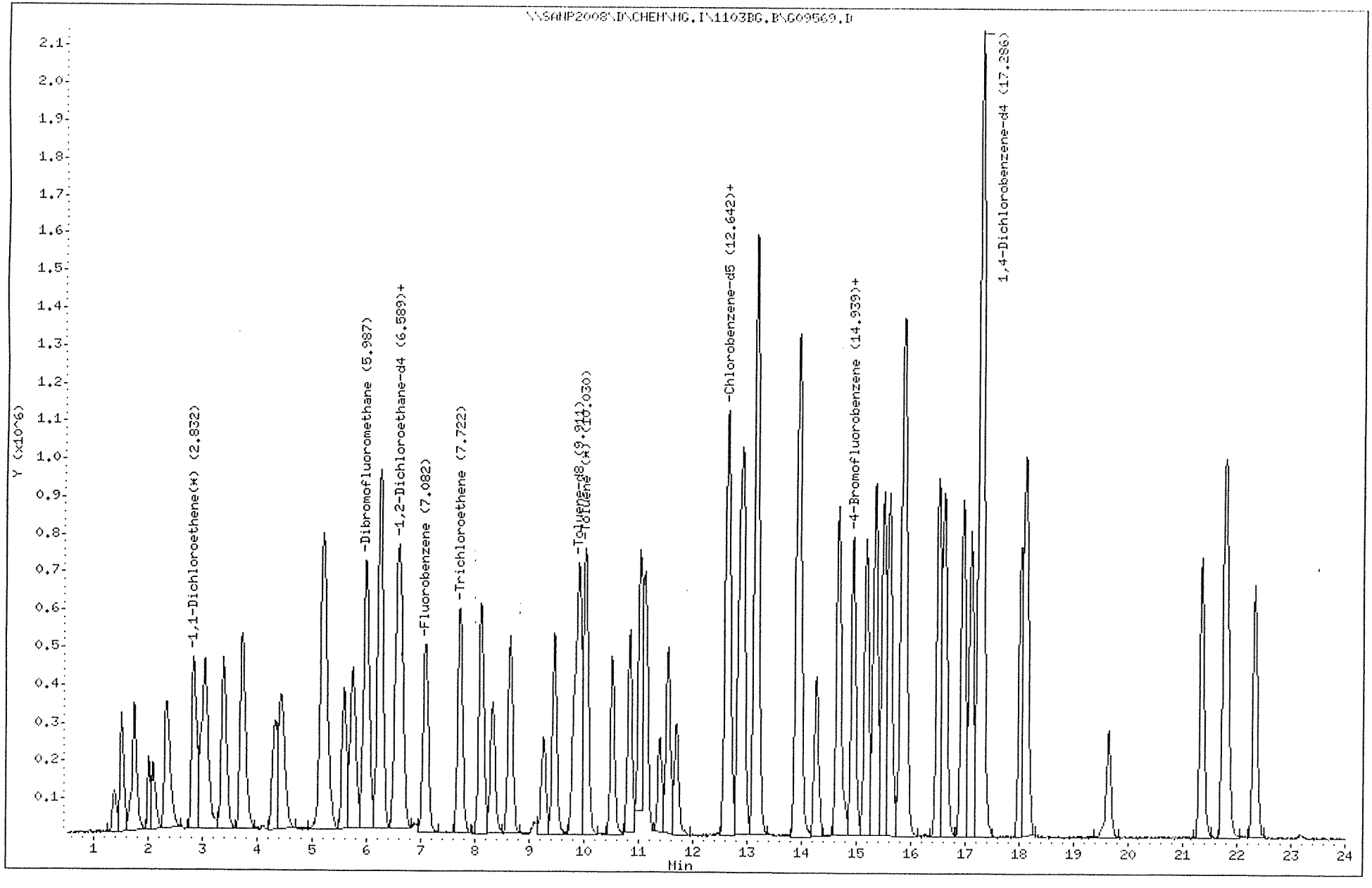
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09569.D
Date : 03-NOV-2000 21:42
Client ID: G09569
Sample Info: LCS-1103BG,LCS,2,,0,1,0,8260BGS,M,G09569

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53



000108

BOE-C6-0163529

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1103BG
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa46863
Client Smp ID: G09570
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Cosloan	1.369	9.57	J
2. 541-05-9	Cyclotrisiloxane, hexamethy	11.110	19.37	NJ
3. 556-67-2	Cyclotetrasiloxane, octamet	15.784	6.35	NJ

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G09570.D
Lab Smp Id: MB-1103BG
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Misc Info: ,,5,,3,1-8260B.SUB

Calibration Date: 03-NOV-2000
Calibration Time: 20:59
Client Smp ID: G09570
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1476610	738305	2953220	1307020	-11.49
56 Chlorobenzene-d5	976483	488242	1952966	918180	-5.97
79 1,4-Dichlorobenze	570846	285423	1141692	527230	-7.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.12	0.28
56 Chlorobenzene-d5	12.61	12.11	13.11	12.62	0.08
79 1,4-Dichlorobenze	17.25	16.75	17.75	17.26	0.06

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\1103BG.B\G09570.D
Lab Smp Id: MB-1103BG Client Smp ID: G09570
Inj Date : 03-NOV-2000 22:15
Operator : AD Inst ID: mg.i
Smp Info : MB-1103BG,BLANK,2,,0,1,0,8260BGS.M,G09570
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 22:24 beckmang Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.0.0
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)
13 Methylene chloride	84	3.381	3.371	(0.475)	9603	1.08317	1.08(aQ)
$ 29 Dibromofluoromethane	111	6.023	6.013	(0.846)	722249	46.0374	46.04
$ 33 1,2-Dichloroethane-d4	65	6.556	6.526	(0.921)	582479	46.4769	46.48
34 1,2-Dichloroethane-d4 2nd	102	6.556	6.545	(0.921)	54153	26.0799	26.08(Q)
* 38 Fluorobenzene	96	7.117	7.098	(1.000)	1307020	50.0000	
$ 47 Toluene-d8	98	9.927	9.917	(0.787)	1242857	53.6161	53.62
* 56 Chlorobenzene-d5	117	12.619	12.609	(1.000)	918180	50.0000	
$ 67 4-Bromofluorobenzene	95	14.946	14.946	(0.866)	1006241	53.5045	53.50
66 4-Bromofluorobenzene-2nd	174	14.956	14.946	(0.866)	518895	49.3292	49.33
* 79 1,4-Dichlorobenzene-d4	152	17.263	17.253	(1.000)	527230	50.0000	(Q)

QC Flag Legend

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

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1103BG.B\G09570.D
Lab Smp Id: MB-1103BG Client Smp ID: G09570
Inj Date : 03-NOV-2000 22:15
Operator : AD Inst ID: mg.i
Smp Info : MB-1103BG,BLANK,2,,0,1,0,8260BGS.M,G09570
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 22:24 beckmang Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 3 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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.117	3282955	50.000
* 56 Chlorobenzene-d5	12.619	3617608	50.000
* 79 1,4-Dichlorobenzene-d4	17.263	3807570	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.369	628241	9.56822416	9.57	0		0	38

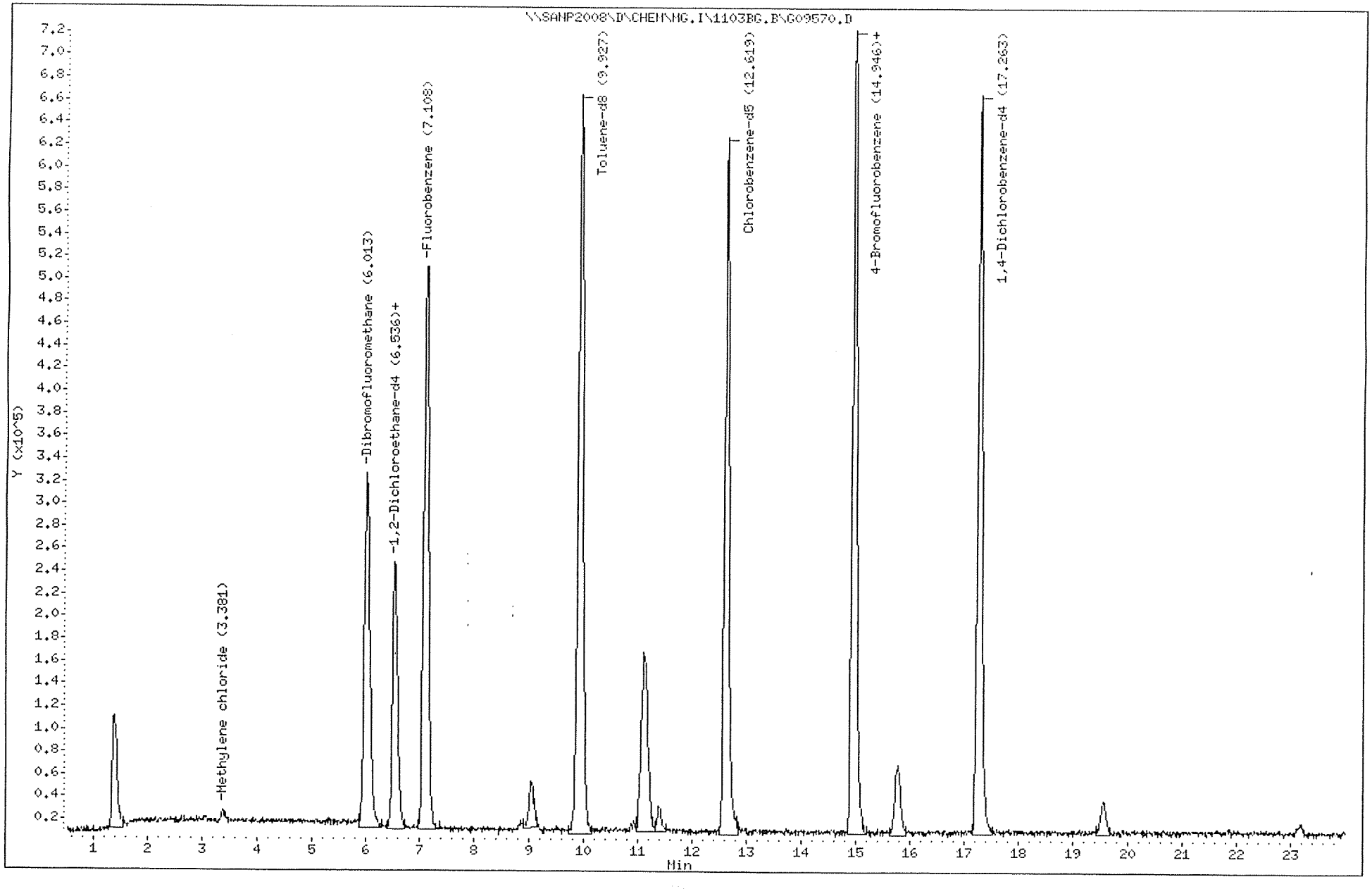
RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
11.110	1401630	19.3723332	19.37	78	NBS75K.L	70586	56
Cyclotetrasiloxane, octamethyl-					CAS #: 556-67-2		
15.784	483450	6.34853861	6.35	83	NBS75K.L	72646	79

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09570.D
Date : 03-NOV-2000 22:15
Client ID: G09570
Sample Info: MB-1103BG,BLANK,2,,0,1,0,8260BGS.M,G09570

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53



BOE-C6-0163536

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09570.D

Date : 03-NOV-2000 22:15

Client ID: G09570

Instrument: mg.i

Sample Info: MB-1103BG,BLANK,2,,0,1,0,8260BGS.M,G09570

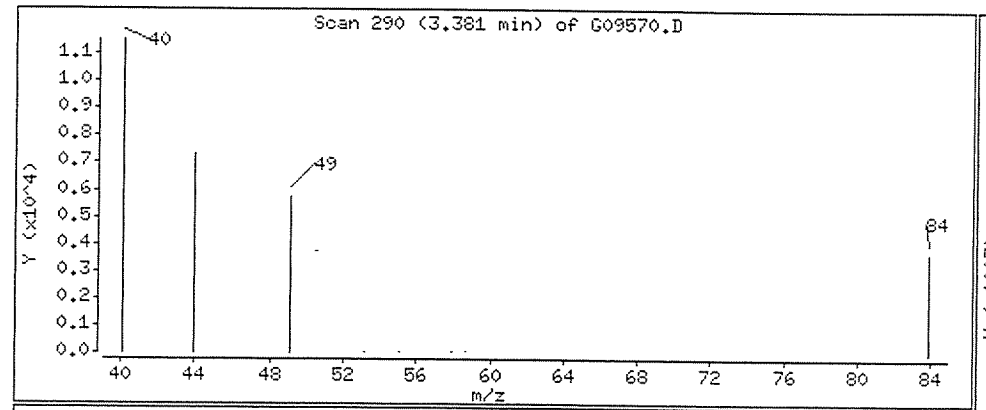
Operator: AD

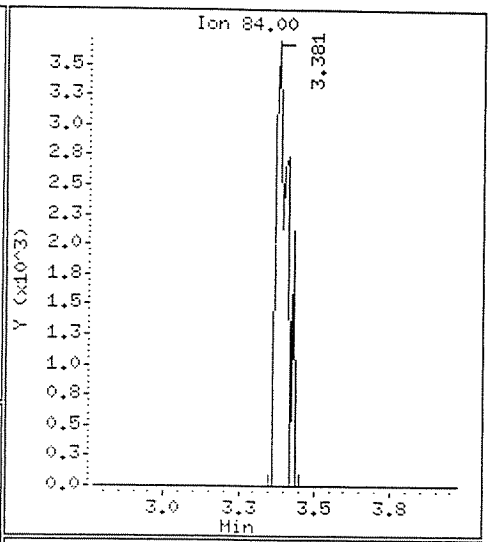
Column phase: J&W DB-624

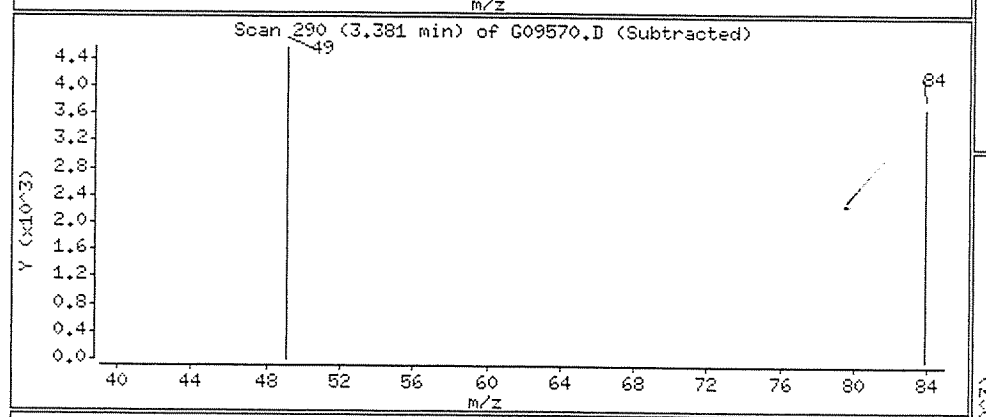
Column diameter: 0.53

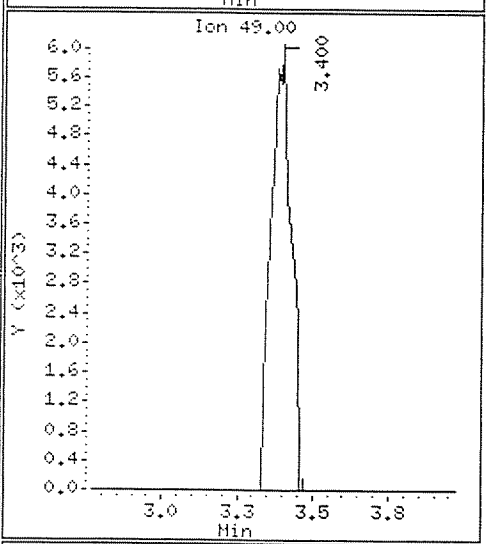
13 Methylene chloride

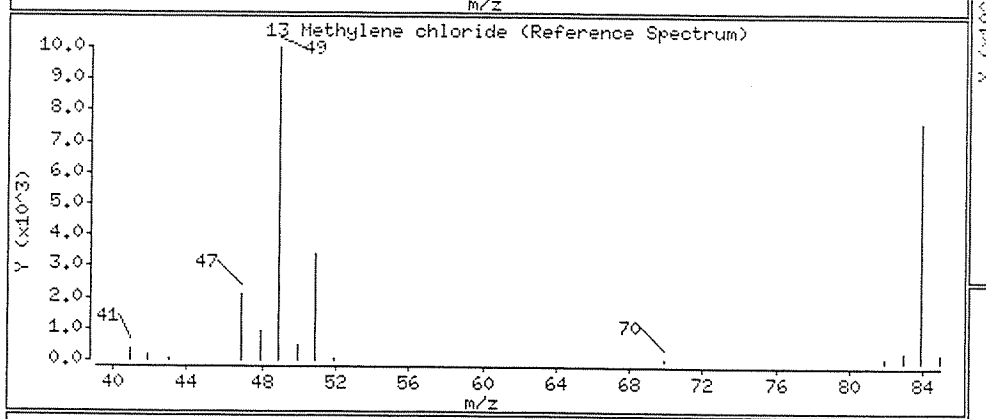
Concentration: 1.08 ug/Kg

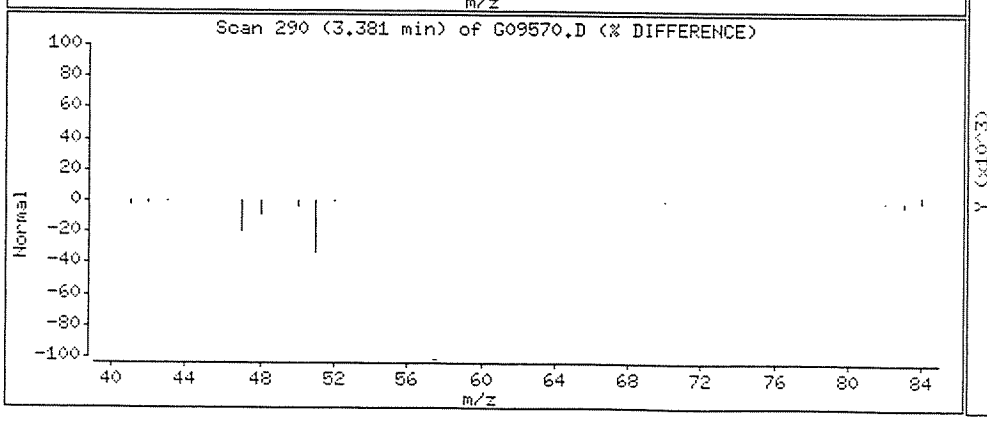


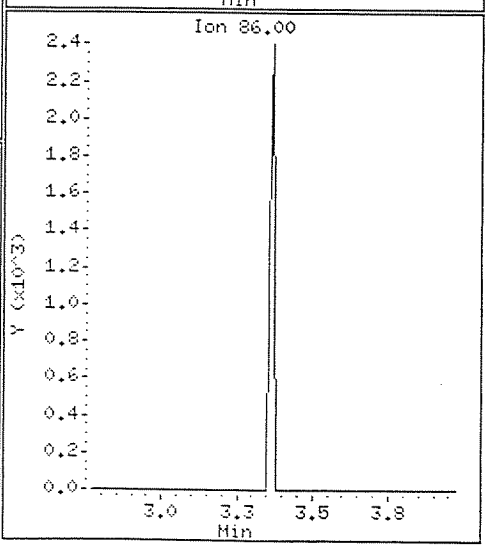












Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09570.D

Date : 03-NOV-2000 22:15

Client ID: G09570

Instrument: mg.i

Sample Info: MB-1103BG,BLANK,2,,0,1,0,8260BGS.M,G09570

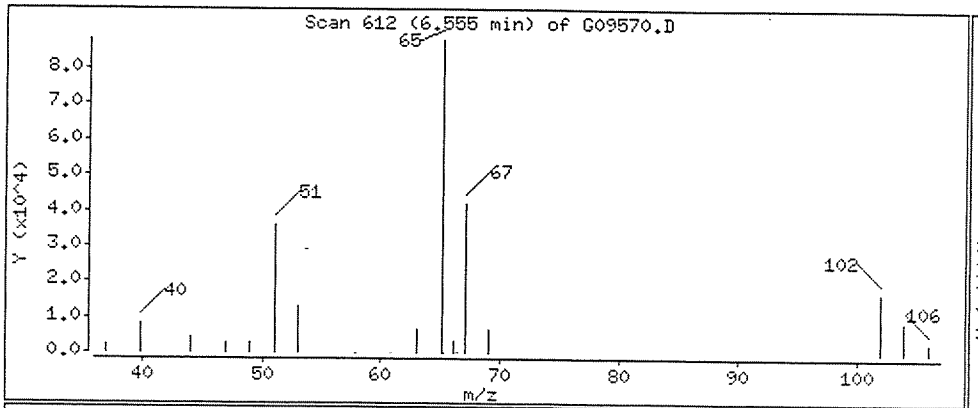
Operator: AD

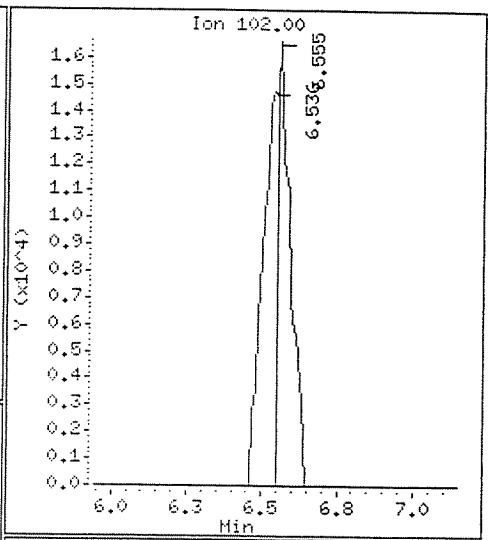
Column phase: J&W DB-624

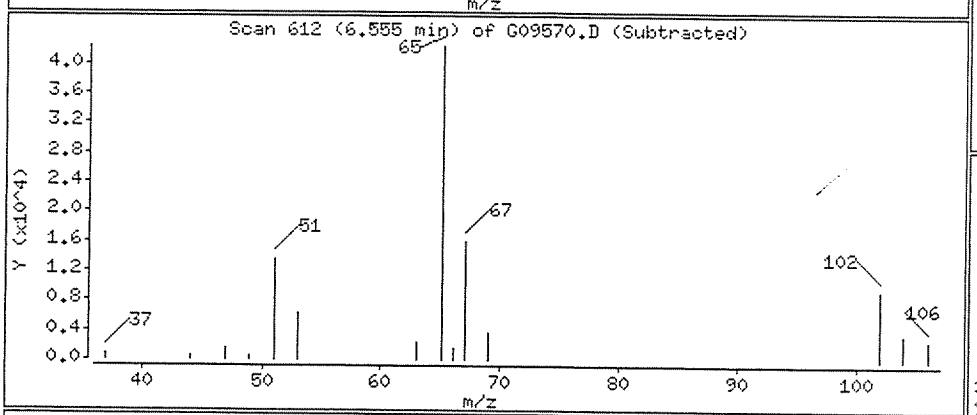
Column diameter: 0.53

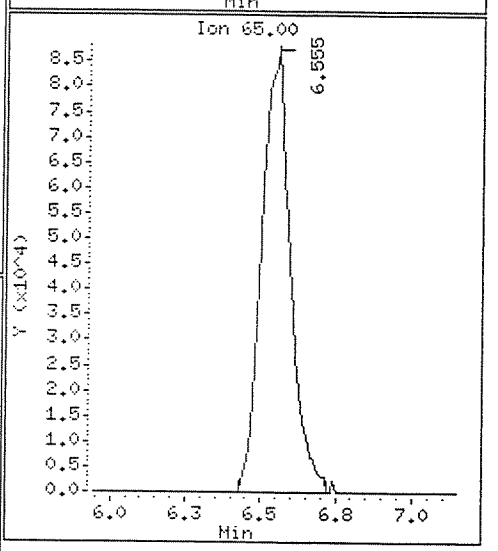
34 1,2-Dichloroethane-d4 2nd

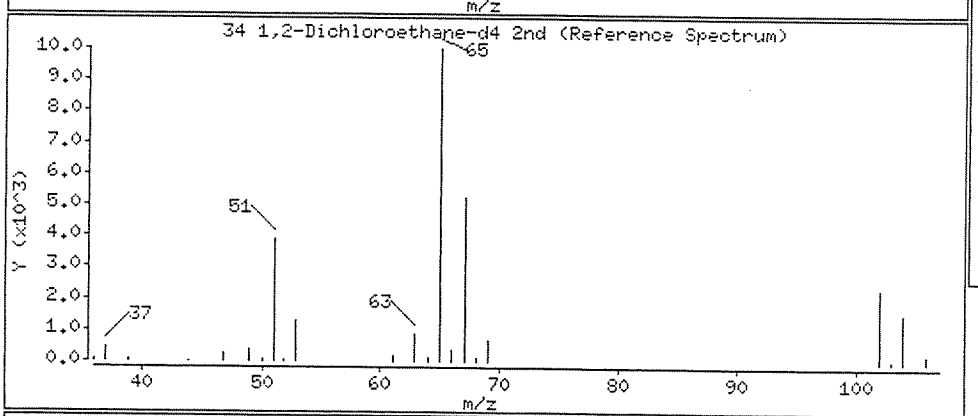
Concentration: 26.08 ug/Kg

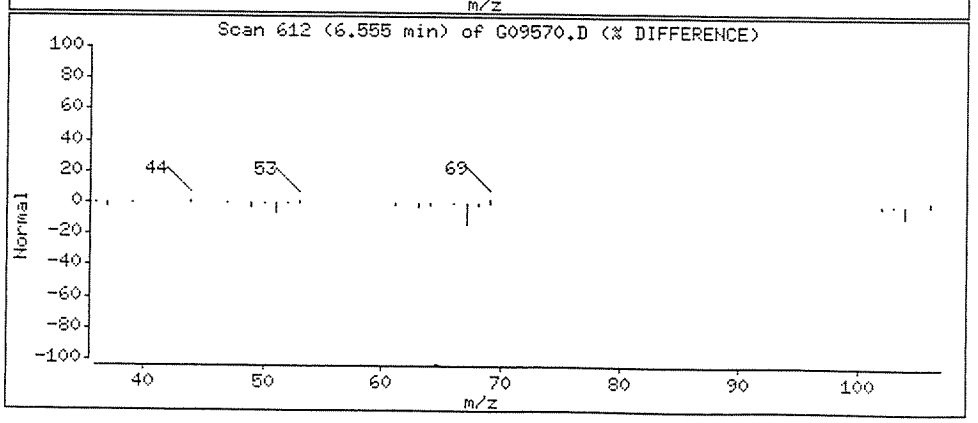












Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09570.D

Date : 03-NOV-2000 22:15

Client ID: G09570

Instrument: mg.i

Sample Info: MB-1103BG,BLANK,2,,0,1,0,8260BGS.M,G09570

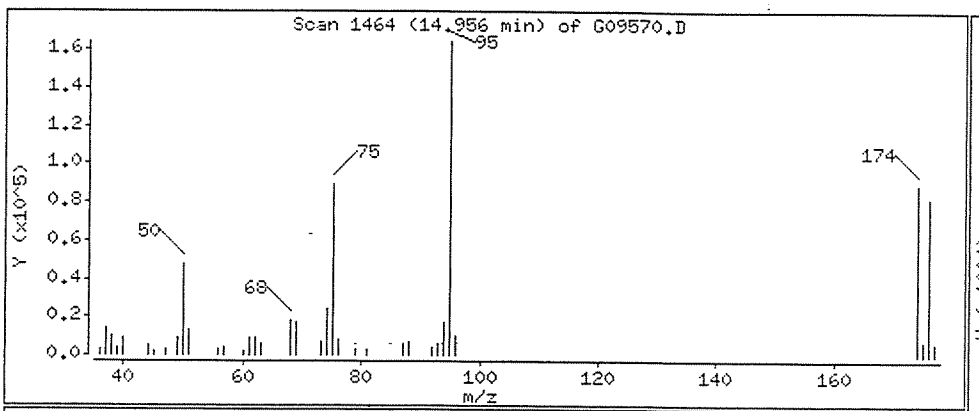
Operator: AD

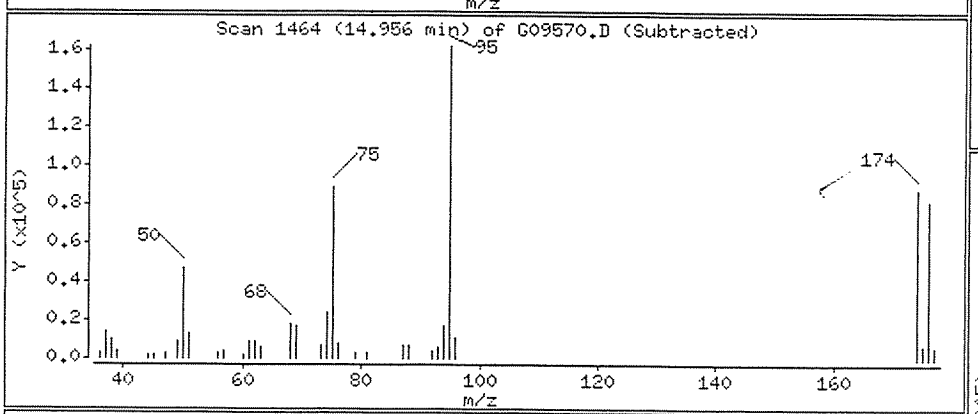
Column phase: J&W DB-624

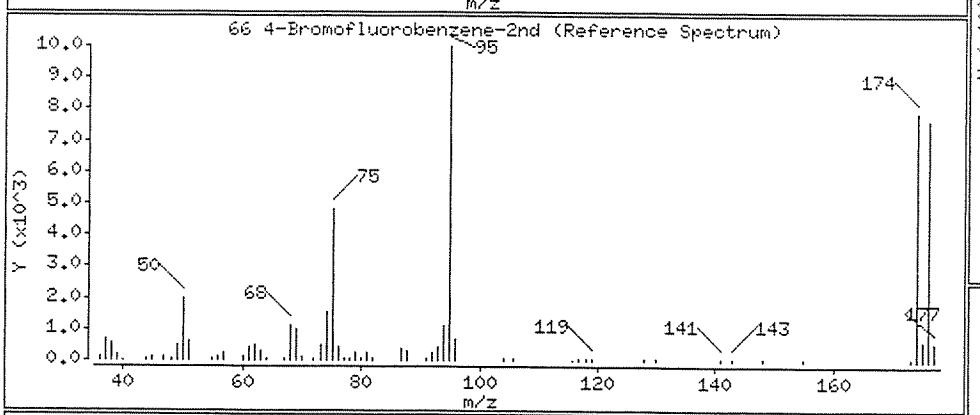
Column diameter: 0.53

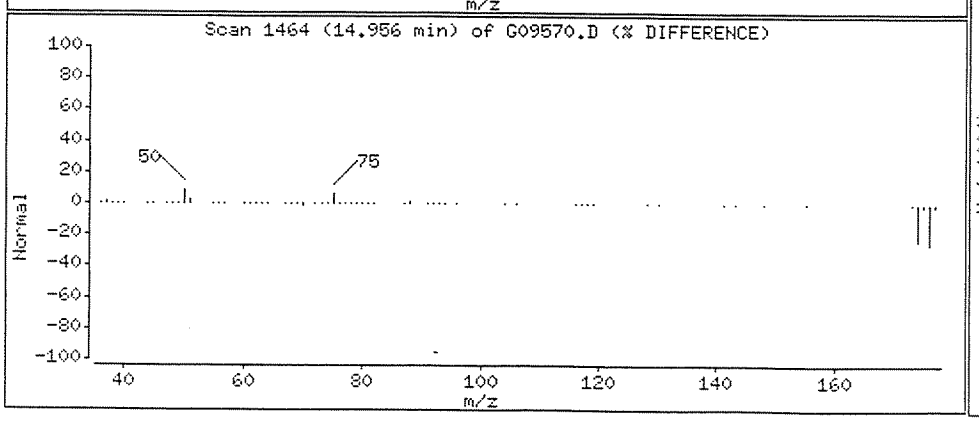
66 4-Bromofluorobenzene-2nd

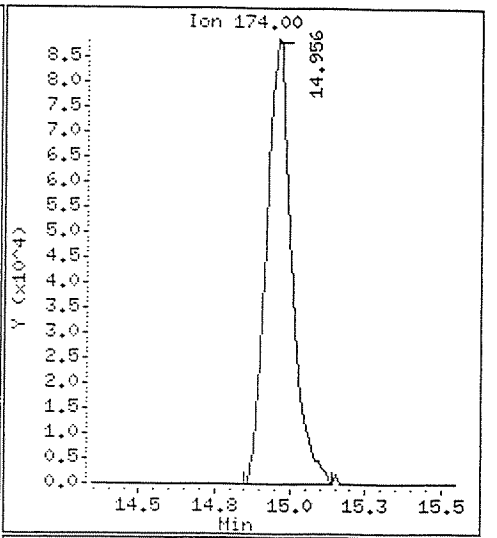
Concentration: 49.33 ug/Kg

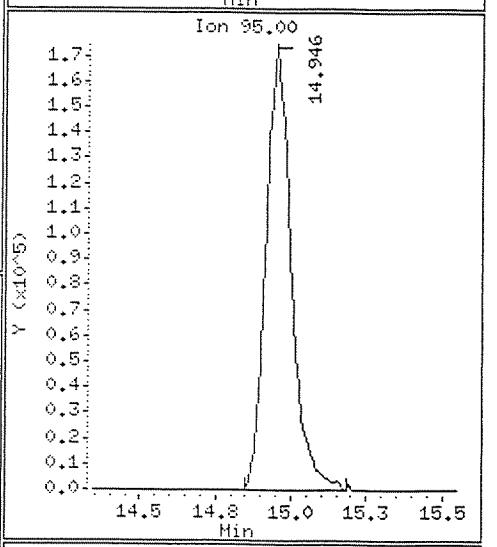


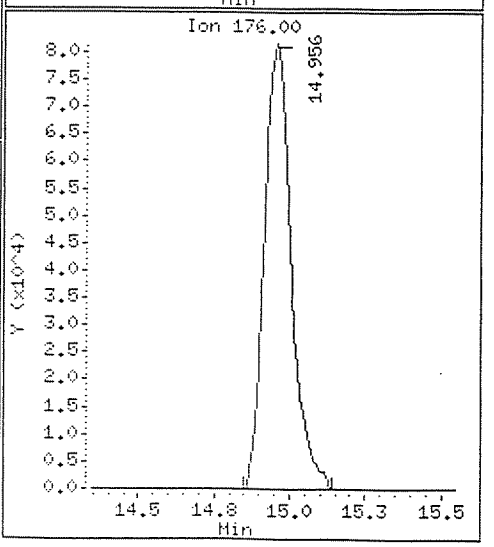












Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09570.D

Date : 03-NOV-2000 22:15

Client ID: G09570

Instrument: mg.i

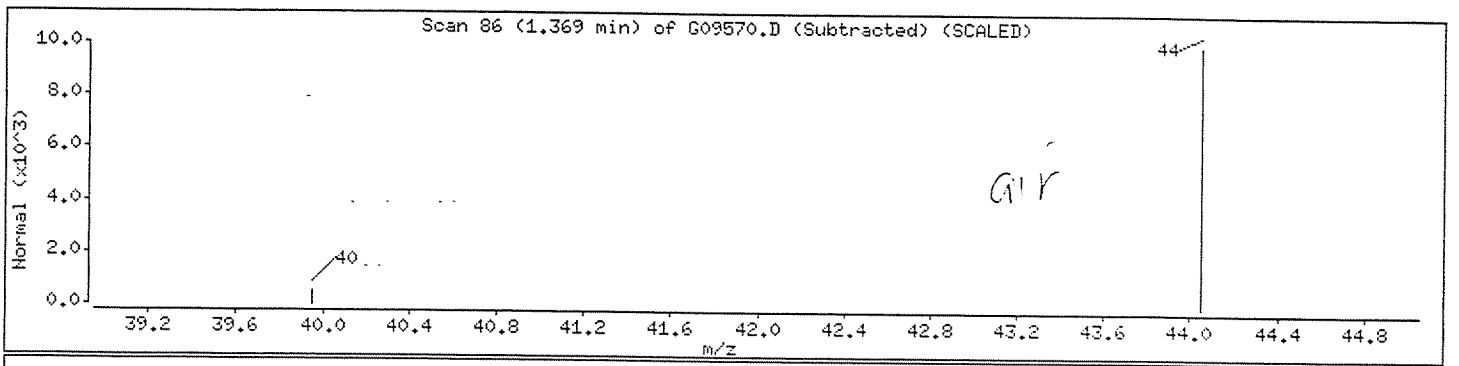
Sample Info: MB-1103BG,BLANK,2,,0,1,0,8260BGS.M,G09570

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09570.D

Date : 03-NOV-2000 22:15

Client ID: G09570

Instrument: mg.i

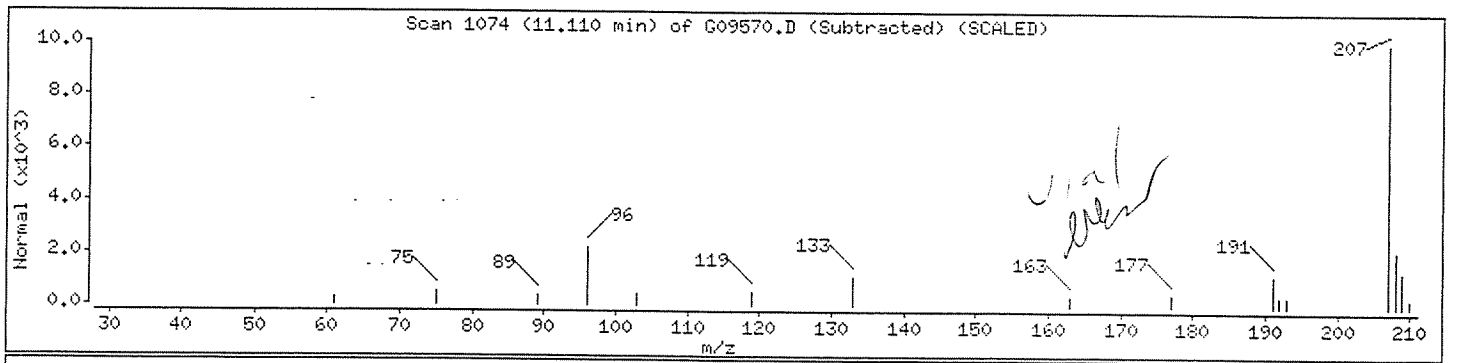
Sample Info: MB-1103BG,BLANK,2,,0,1,0,8260BGS.M,G09570

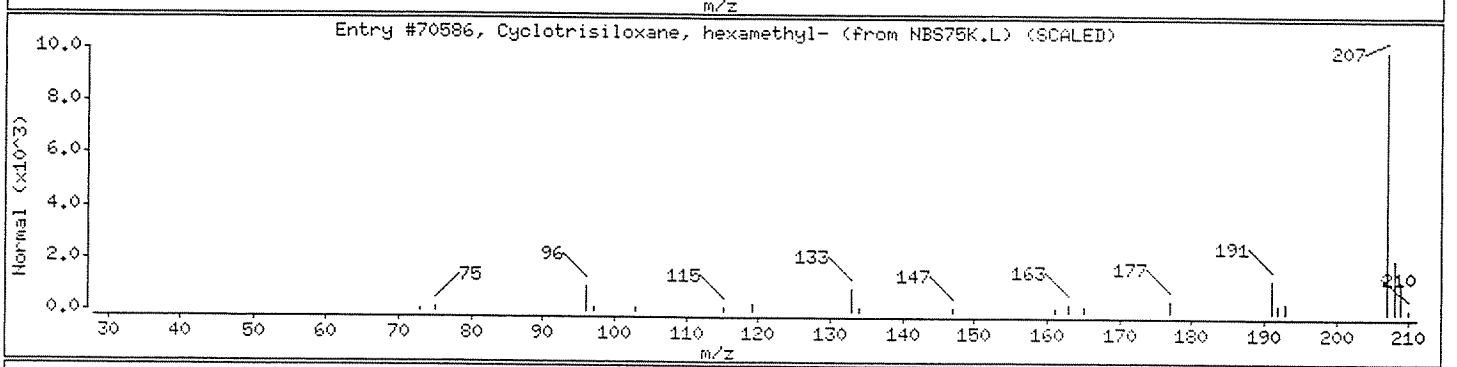
Operator: AD

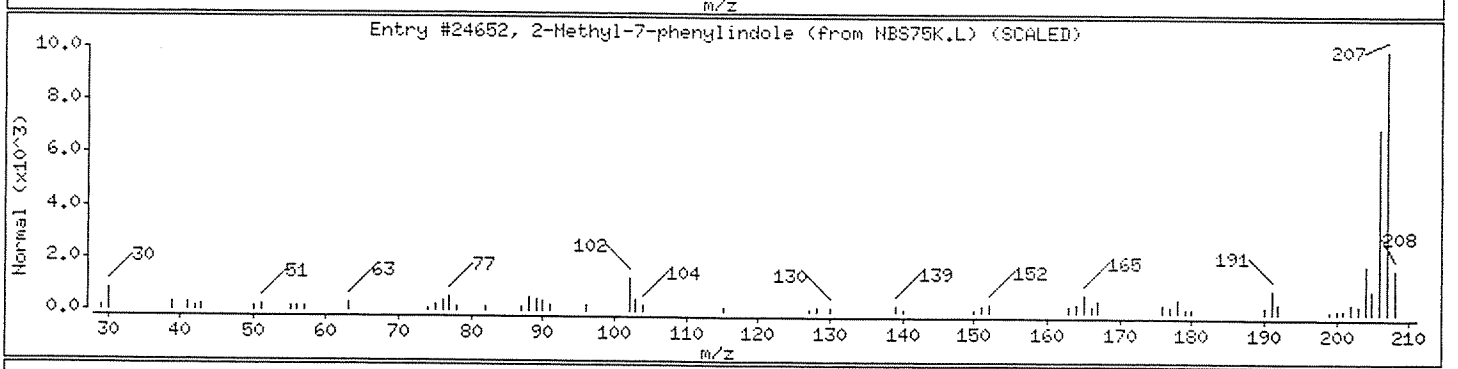
Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NBS75K.L	70586	78	C6H18O3Si3	222
2-Methyl-7-phenylindole	0-00-0	NBS75K.L	24652	52	C15H13N	207







000120

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09570.D

Date : 03-NOV-2000 22:15

Client ID: G09570

Instrument: mg.i

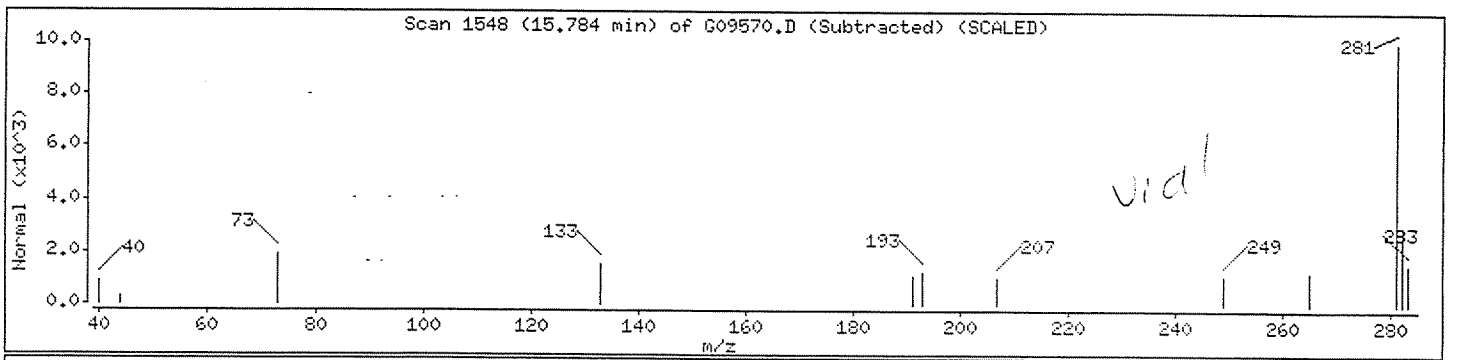
Sample Info: MB-1103BG,BLANK,2,,0,1,0,8260BGS.M,G09570

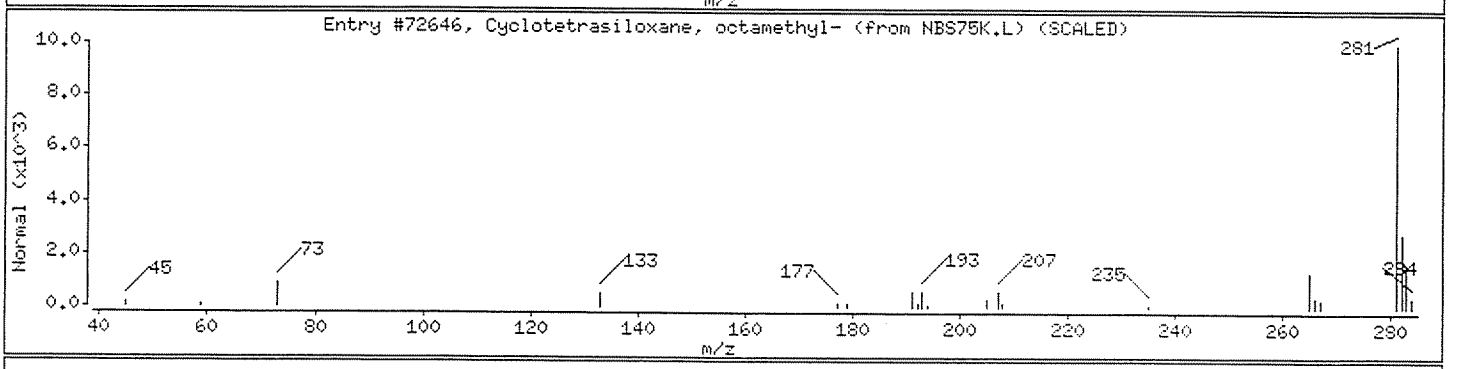
Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	72646	83	C8H24O4Si4	296





STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G09572.D
Lab Smp Id: DNWCJ1AD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Misc Info: E0J260321-17S,,5,,3,SPK.SUB,SH.SPK

Calibration Date: 03-NOV-2000
Calibration Time: 20:59
Client Smp ID: G09572
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1476610	738305	2953220	1330176	-9.92
56 Chlorobenzene-d5	976483	488242	1952966	970325	-0.63
79 1,4-Dichlorobenze	570846	285423	1141692	564775	-1.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.10	0.05
56 Chlorobenzene-d5	12.61	12.11	13.11	12.63	0.18
79 1,4-Dichlorobenze	17.25	16.75	17.75	17.26	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.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1103BG.B\G09572.D
Lab Smp Id: DNWCJ1AD Client Smp ID: G09572
Inj Date : 03-NOV-2000 23:22
Operator : AD Inst ID: mg.i
Smp Info : DNWCJ1AD,MS,2,,0,1,0,8260BGS.M,G09572
Misc Info : E0J260321-17S,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 22:24 beckmang Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 5 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	2.842	2.838	(0.400)	387011	49.6773	49.68
$ 29 Dibromofluoromethane	111	6.026	6.013	(0.849)	805326	50.4392	50.44
$ 33 1,2-Dichloroethane-d4	65	6.549	6.526	(0.922)	629020	49.3168	49.32
34 1,2-Dichloroethane-d4 2nd	102	6.549	6.545	(0.922)	107169	50.7133	50.71(Q)
35 Benzene	78	6.618	6.585	(0.932)	1412486	51.7953	51.80
* 38 Fluorobenzene	96	7.101	7.098	(1.000)	1330176	50.0000	
39 Trichloroethene	130	7.752	7.738	(1.092)	499941	49.2967	49.30
$ 47 Toluene-d8	98	9.931	9.917	(0.786)	1287293	52.5487	52.55
48 Toluene (*)	91	10.059	10.036	(0.796)	1427135	49.6629	49.66
* 56 Chlorobenzene-d5	117	12.632	12.609	(1.000)	970325	50.0000	
57 Chlorobenzene (**)	112	12.681	12.668	(1.004)	938163	47.5286	47.53
$ 67 4-Bromofluorobenzene	95	14.949	14.946	(0.866)	1092131	54.2111	54.21
66 4-Bromofluorobenzene-2nd	174	14.949	14.946	(0.866)	544276	48.3025	48.30
* 79 1,4-Dichlorobenzene-d4	152	17.256	17.253	(1.000)	564775	50.0000	(Q)

QC Flag Legend

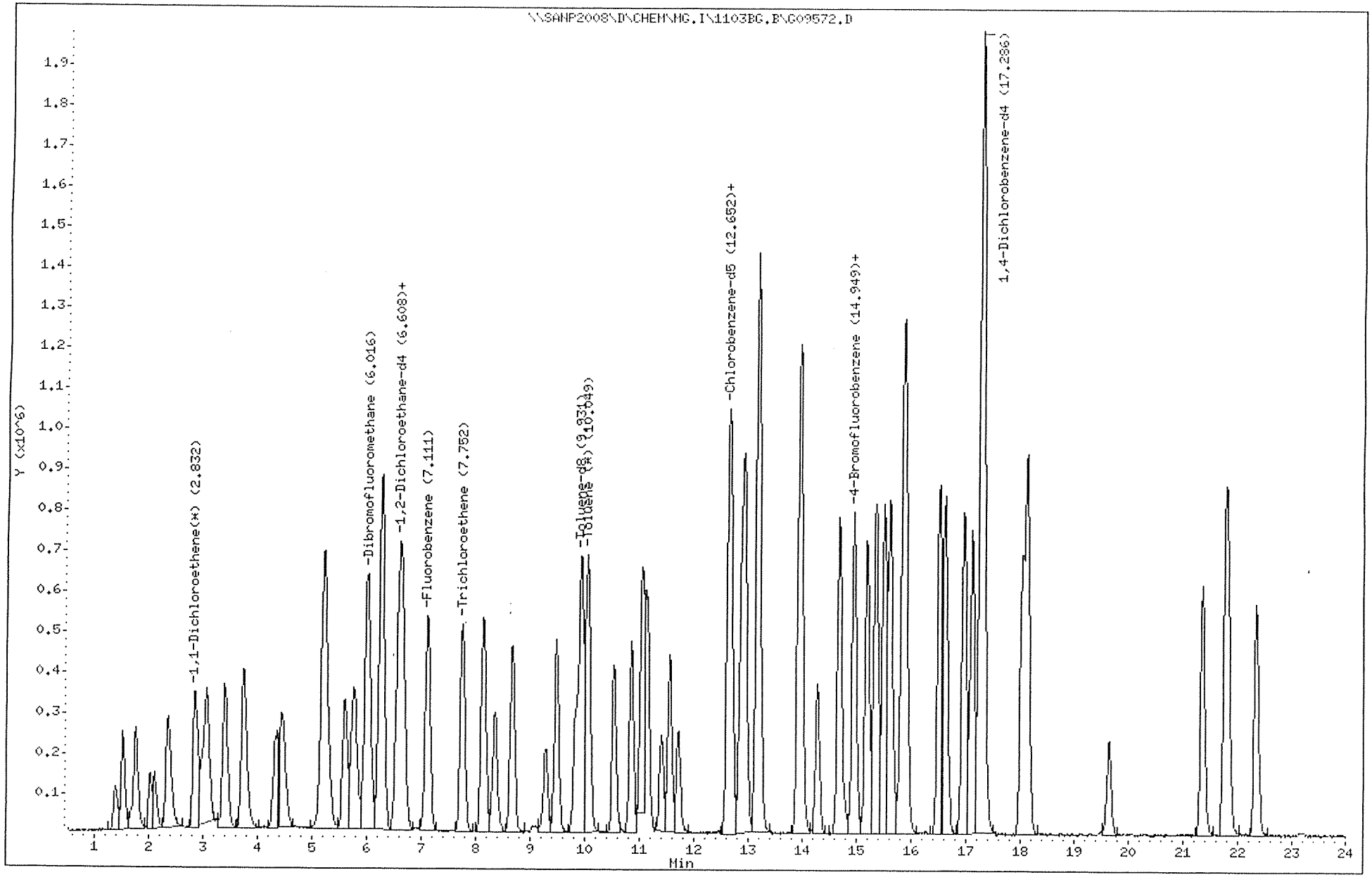
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09572.D
Date : 03-NOV-2000 23:22
Client ID: G09572
Sample Info: DNWCJ1AD,MS,2,,0,1,0,8260BGS.M,G09572

Instrument: mg.i

Operator: AD
Column diameter: 0.53

Column phase: J&W DB-624



000125

BOE-C6-0163546

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G09573.D
Lab Smp Id: DNWCJ1AE
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Misc Info: E0J260321-17D,,5,,3,SPK.SUB,SH.SPK

Calibration Date: 03-NOV-2000
Calibration Time: 20:59
Client Smp ID: G09573
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1476610	738305	2953220	1346473	-8.81
56 Chlorobenzene-d5	976483	488242	1952966	955652	-2.13
79 1,4-Dichlorobenze	570846	285423	1141692	551506	-3.39

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.11	0.20
56 Chlorobenzene-d5	12.61	12.11	13.11	12.62	0.11
79 1,4-Dichlorobenze	17.25	16.75	17.75	17.27	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.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1103BG.B\G09573.D
Lab Smp Id: DNWCJ1AE Client Smp ID: G09573
Inj Date : 03-NOV-2000 23:55
Operator : AD Inst ID: mg.i
Smp Info : DNWCJ1AE,MSD,2,,0,1,0,8260BGS.M,G09573
Misc Info : E0J260321-17D,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 22:24 beckmang Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 6 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	2.833	2.838	(0.398)	396528	50.2829	50.28
$ 29 Dibromofluoromethane	111	6.027	6.013	(0.848)	744828	46.0855	46.08
$ 33 1,2-Dichloroethane-d4	65	6.550	6.526	(0.921)	641837	49.7126	49.71
34 1,2-Dichloroethane-d4 2nd	102	6.550	6.545	(0.921)	107338	50.1786	50.18(Q)
35 Benzene	78	6.609	6.585	(0.929)	1440559	52.1854	52.18
* 38 Fluorobenzene	96	7.112	7.098	(1.000)	1346473	50.0000	
39 Trichloroethene	130	7.743	7.738	(1.089)	512906	49.9629	49.96
$ 47 Toluene-d8	98	9.932	9.917	(0.787)	1283381	53.1935	53.19
48 Toluene (*)	91	10.060	10.036	(0.797)	1450756	51.2600	51.26
* 56 Chlorobenzene-d5	117	12.623	12.609	(1.000)	955652	50.0000	
57 Chlorobenzene (**)	112	12.673	12.668	(1.004)	944072	48.5623	48.56
$ 67 4-Bromofluorobenzene	95	14.950	14.946	(0.866)	1079993	54.8984	54.90
66 4-Bromofluorobenzene-2nd	174	14.960	14.946	(0.866)	535202	48.6400	48.64
* 79 1,4-Dichlorobenzene-d4	152	17.267	17.253	(1.000)	551506	50.0000	(Q)

QC Flag Legend

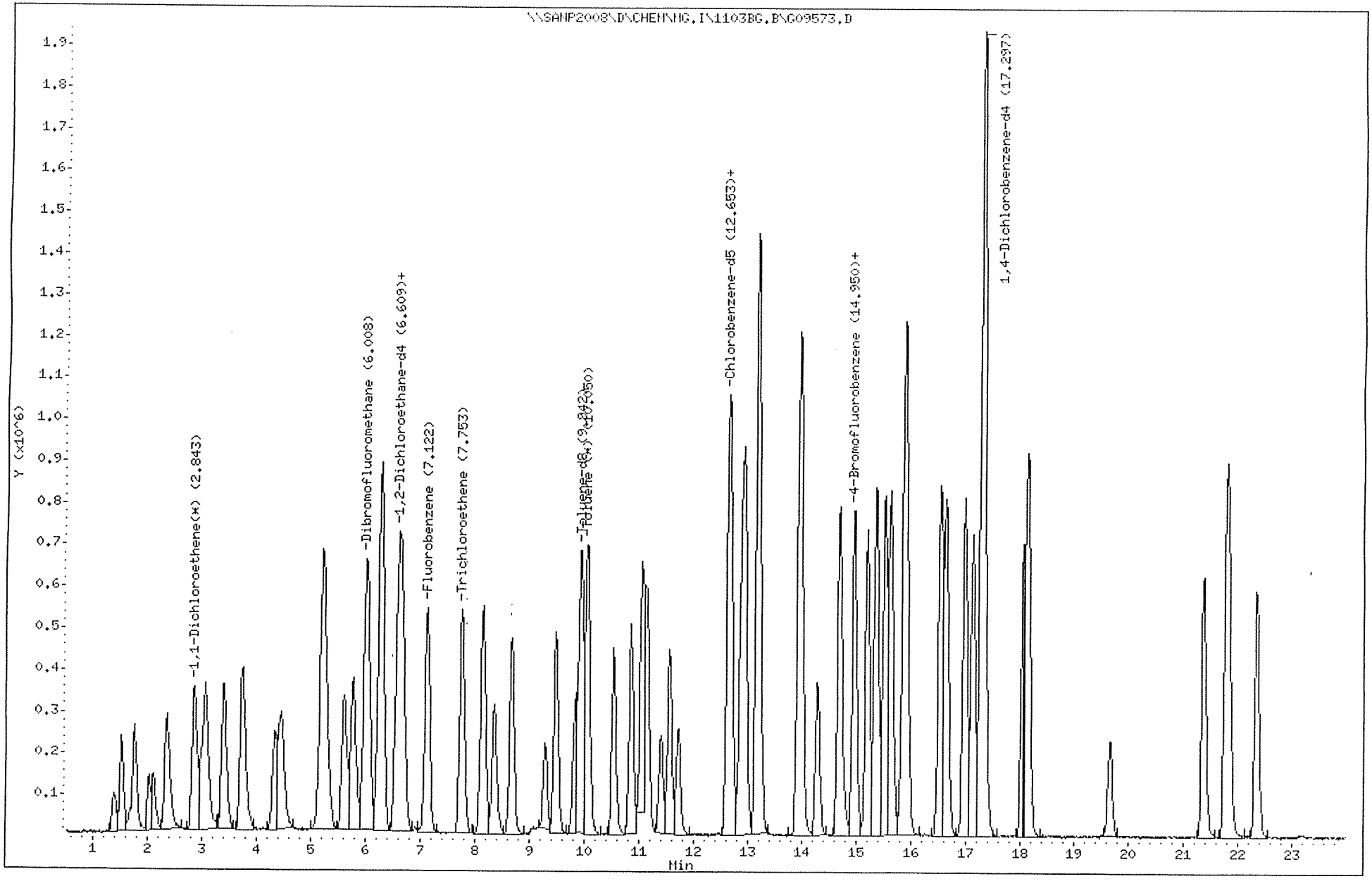
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09573.D
Date : 03-NOV-2000 23:55
Client ID: G09573
Sample Info: DNWCJ1AE,MSD,2,,0,1,0,8260BGS.M,G09573

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53



000129

BOE-C6-0163550

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G09585.D
Lab Smp Id: DN0TG1AA
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Misc Info: E0J250270306-1,,5,,0,1-8260B.SUB

Calibration Date: 03-NOV-2000
Calibration Time: 20:59
Client Smp ID: G09585
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1476610	738305	2953220	1252548	-15.17
56 Chlorobenzene-d5	976483	488242	1952966	889004	-8.96
79 1,4-Dichlorobenze	570846	285423	1141692	485052	-15.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.11	0.20
56 Chlorobenzene-d5	12.61	12.11	13.11	12.63	0.19
79 1,4-Dichlorobenze	17.25	16.75	17.75	17.28	0.14

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\1103BG.B\G09585.D
Lab Smp Id: DN0TG1AA Client Smp ID: G09585
Inj Date : 04-NOV-2000 06:29
Operator : AD Inst ID: mg.i
Smp Info : DN0TG1AA,,2,,0,1,0,8260BGS.M,G09585
Misc Info : E0J250270306-1,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 22:24 beckmang Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 18
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	6.017	6.013	(0.846)	749613	49.8596	49.86
$ 33 1,2-Dichloroethane-d4	65	6.540	6.526	(0.920)	620478	51.6621	51.66
34 1,2-Dichloroethane-d4 2nd	102	6.540	6.545	(0.920)	100553	50.5317	50.53(Q)
* 38 Fluorobenzene	96	7.112	7.098	(1.000)	1252548	50.0000	
$ 47 Toluene-d8	98	9.932	9.917	(0.786)	1198815	53.4134	53.41
* 56 Chlorobenzene-d5	117	12.633	12.609	(1.000)	889004	50.0000	
$ 67 4-Bromofluorobenzene	95	14.960	14.946	(0.866)	961065	55.5460	55.55
66 4-Bromofluorobenzene-2nd	174	14.960	14.946	(0.866)	473214	48.8984	48.90
* 79 1,4-Dichlorobenzene-d4	152	17.277	17.253	(1.000)	485052	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1103BG.B\G09585.D
Lab Smp Id: DN0TG1AA Client Smp ID: G09585
Inj Date : 04-NOV-2000 06:29
Operator : AD Inst ID: mg.i
Smp Info : DN0TG1AA,,2,,0,1,0,8260BGS.M,G09585
Misc Info : E0J250270306-1,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 22:24 beckmang Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 18
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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.112	3221252	50.000

	RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown	1.374	944543	14.6611155	14.66	CAS #: 0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DN0TG1AA
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa46863
Client Smp ID: G09585
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ alr	1.374	14.66	J

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09585.D

Date : 04-NOV-2000 06:29

Client ID: G09585

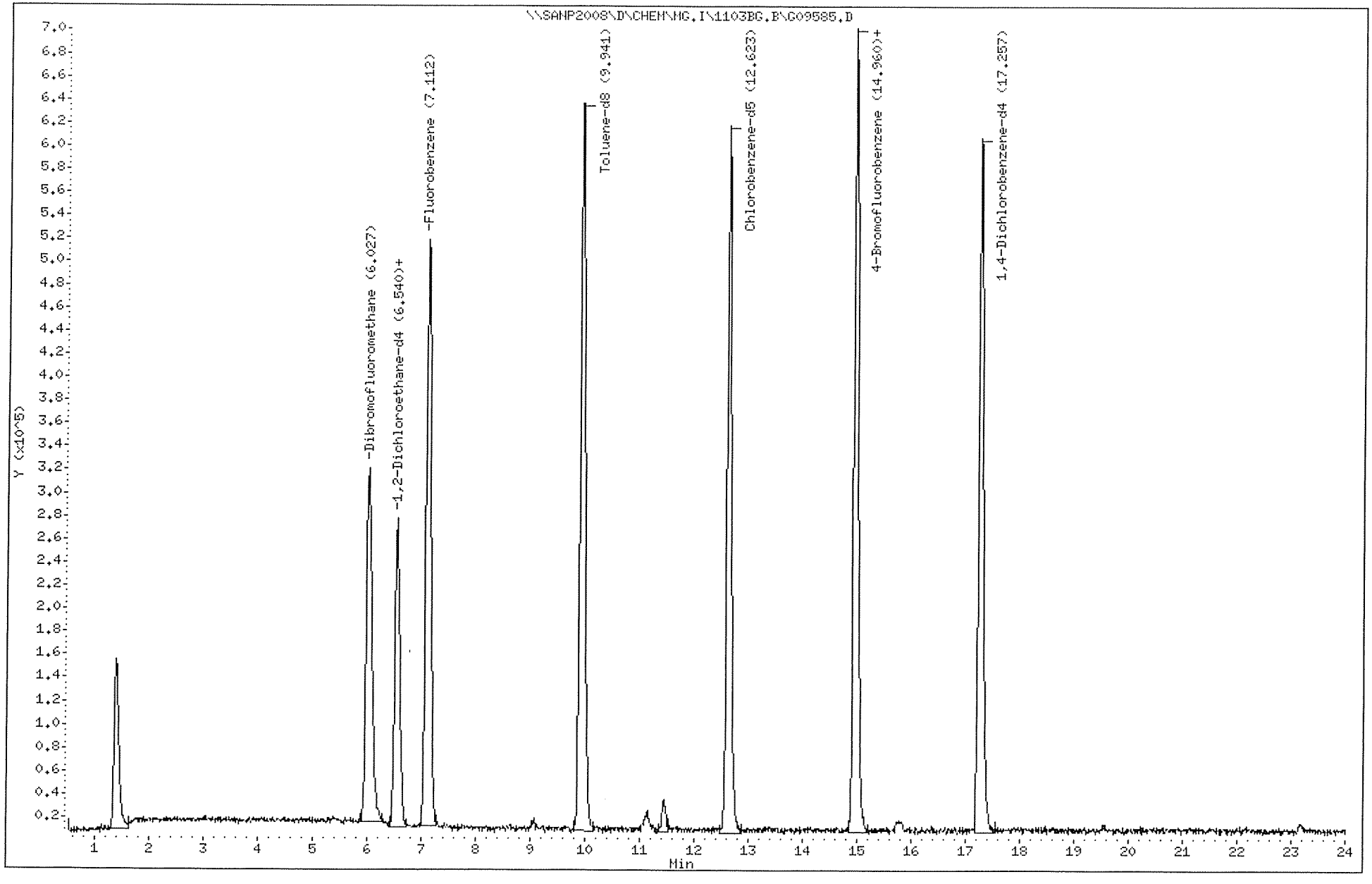
Sample Info: DN0TG1AA,,2,,0,1,0,8260BGS.M,G09585

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD

Column diameter: 0.53



000134

BOE-C6-0163555

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09585.D

Date : 04-NOV-2000 06:29

Client ID: G09585

Instrument: mg.i

Sample Info: DNOTG1AA,,2,,0,1,0,8260BGS.M,G09585

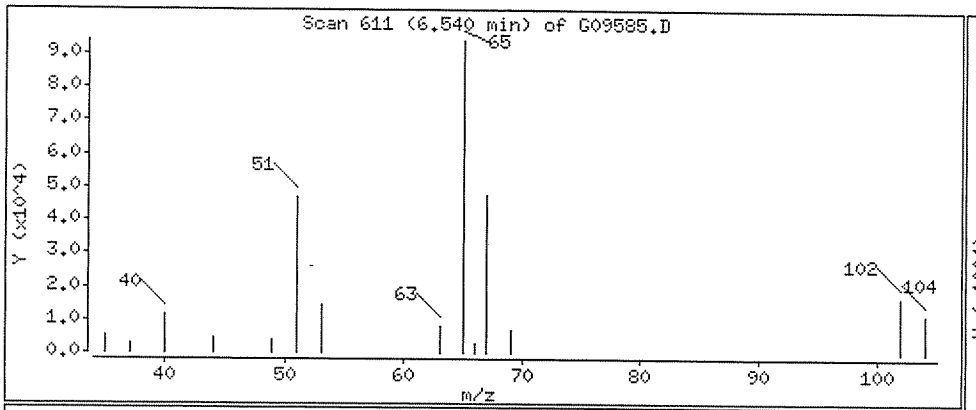
Operator: AD

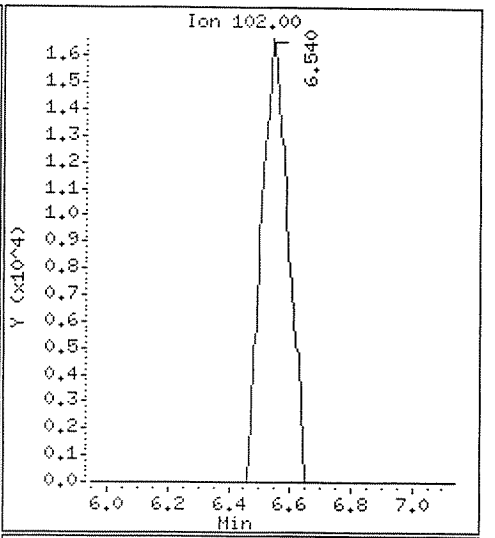
Column phase: J&W DB-624

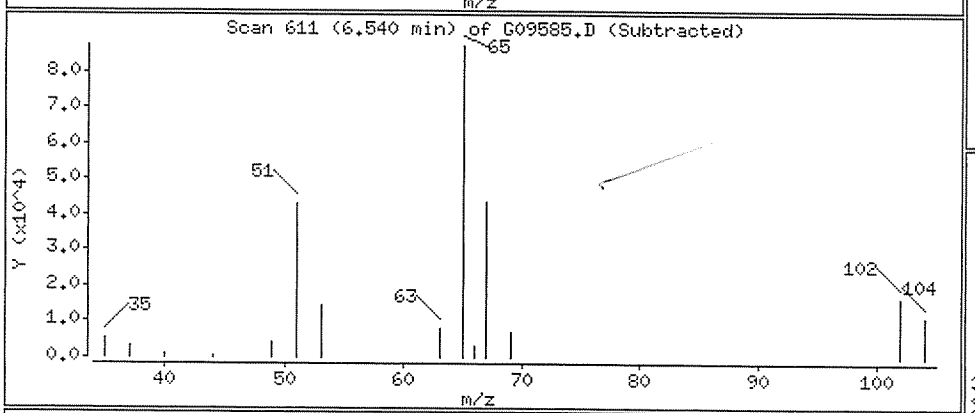
Column diameter: 0.53

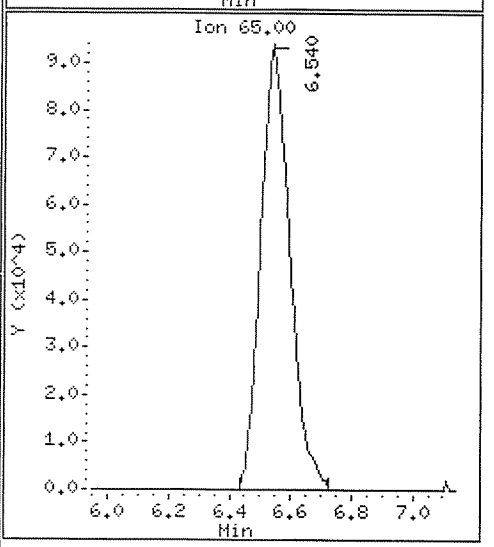
34 1,2-Dichloroethane-d4 2nd

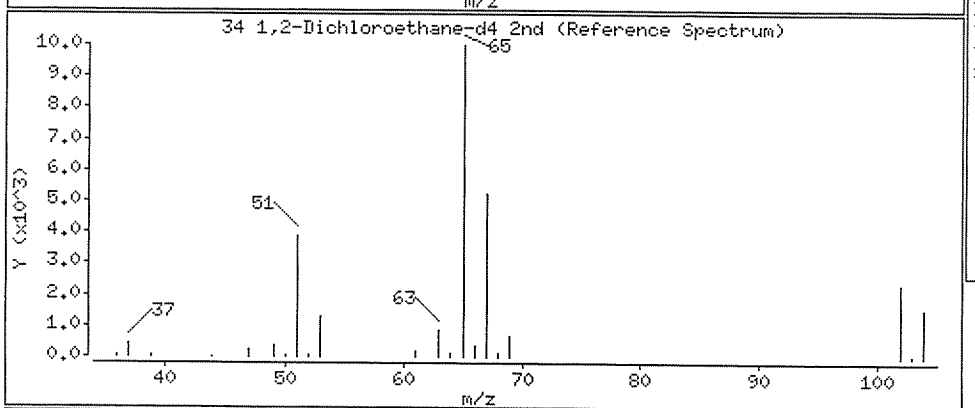
Concentration: 50.53 ug/Kg

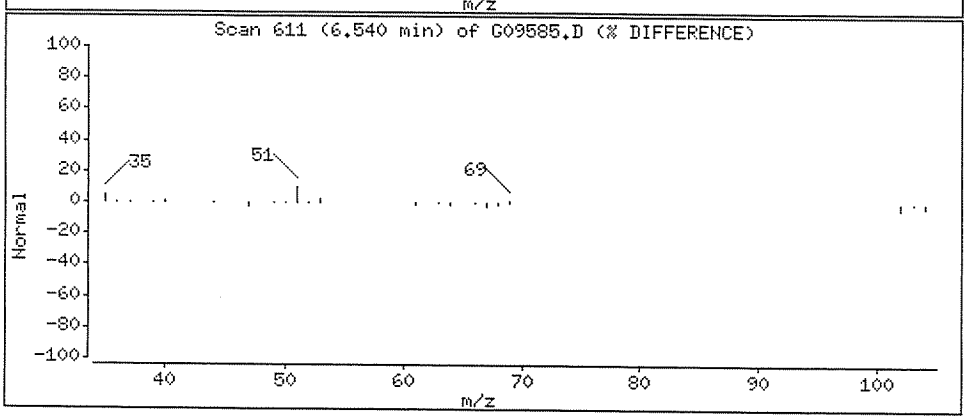












Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09585.D

Date : 04-NOV-2000 06:29

Client ID: G09585

Instrument: mg.i

Sample Info: DNOTG1AA,,2,,0,1,0,8260BGS.M,G09585

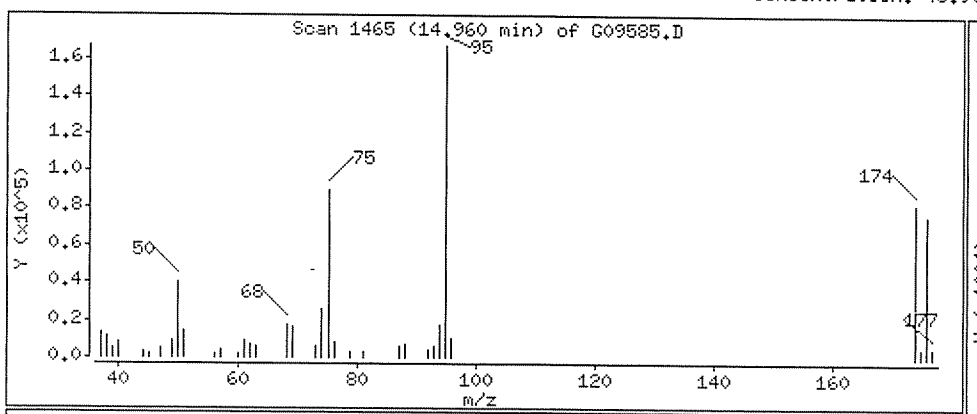
Operator: AD

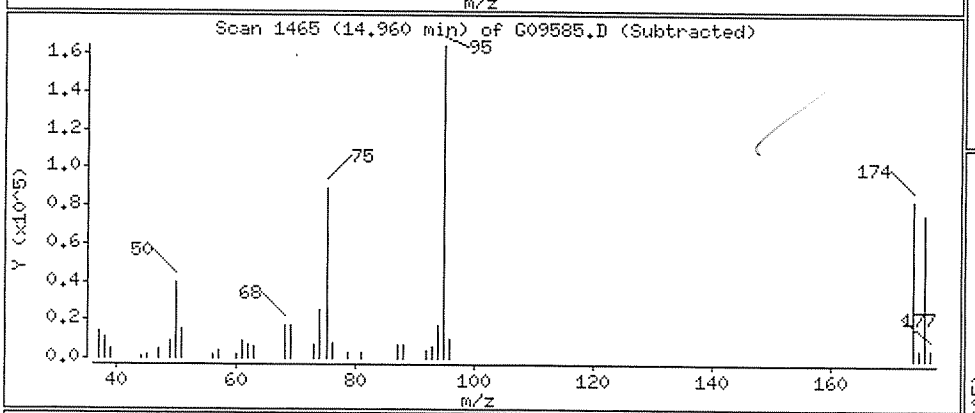
Column phase: J&W DB-624

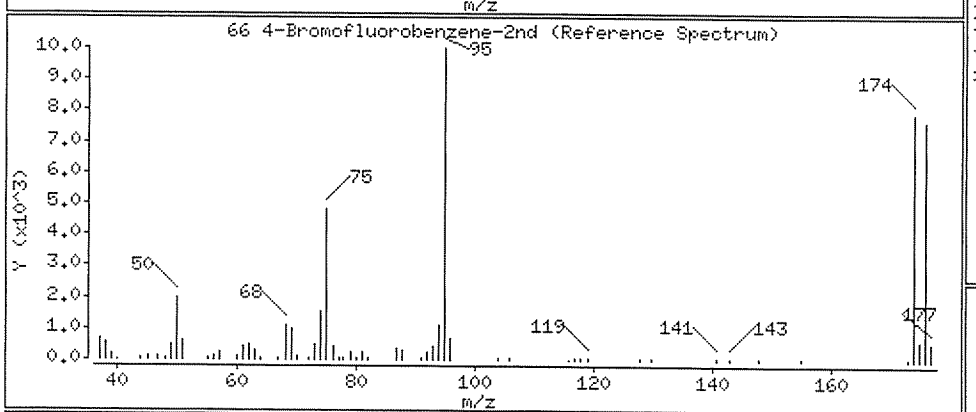
Column diameter: 0.53

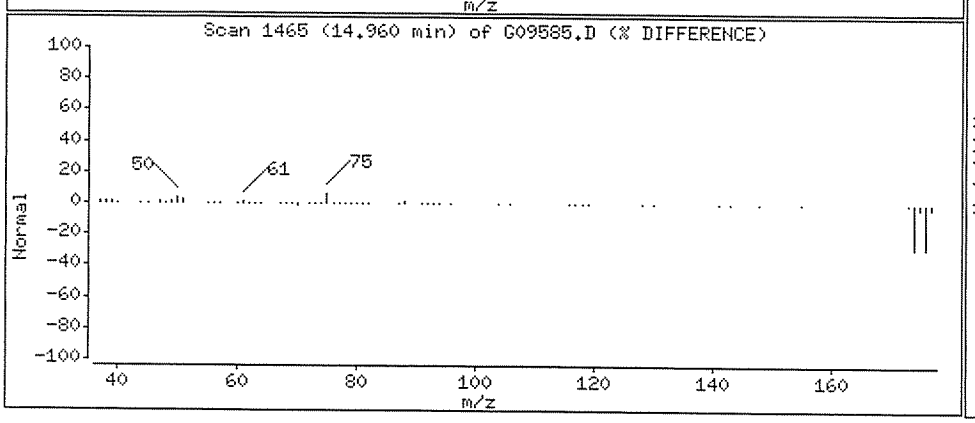
66 4-Bromofluorobenzene-2nd

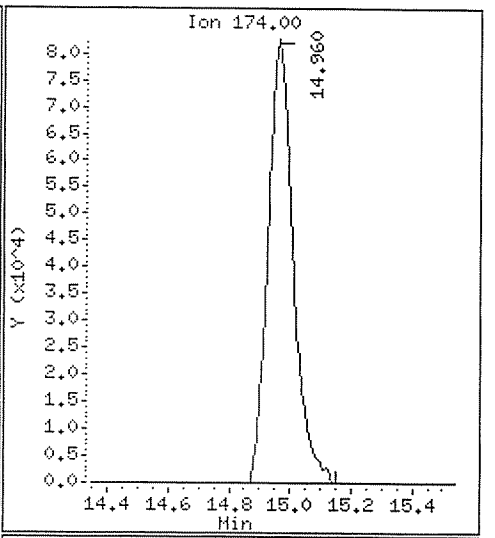
Concentration: 48.90 ug/Kg

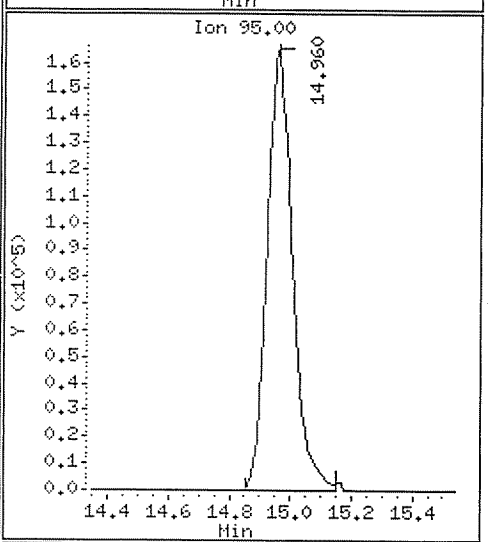


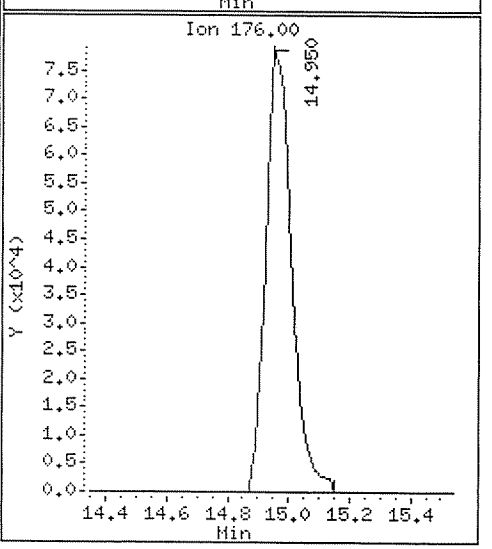












Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09585.D

Date : 04-NOV-2000 06:29

Client ID: G09585

Instrument: mg.i

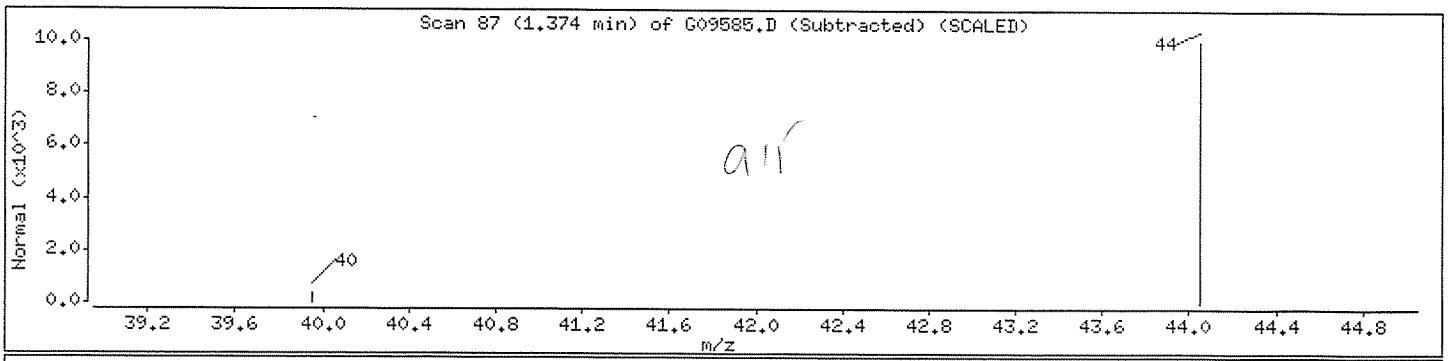
Sample Info: DNOTG1AA,,2,,0,1,0,8260BGS.M,G09585

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



all

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: G09586.D
Lab Smp Id: DN0TK1AC
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Misc Info: E0J250270306-2,,5,,0,1-8260B.SUB

Calibration Date: 03-NOV-2000
Calibration Time: 20:59
Client Smp ID: G09586
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1476610	738305	2953220	1264735	-14.35
56 Chlorobenzene-d5	976483	488242	1952966	888487	-9.01
79 1,4-Dichlorobenze	570846	285423	1141692	511763	-10.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.11	0.20
56 Chlorobenzene-d5	12.61	12.11	13.11	12.62	0.11
79 1,4-Dichlorobenze	17.25	16.75	17.75	17.26	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.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1103BG.B\G09586.D
Lab Smp Id: DN0TK1AC Client Smp ID: G09586
Inj Date : 04-NOV-2000 07:02
Operator : AD Inst ID: mg.i
Smp Info : DN0TK1AC,,2,,0,1,0,8260BGS.M,G09586
Misc Info : E0J250270306-2,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 22:24 beckmang Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 19
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	6.017	6.013	(0.846)	732099	48.2254	48.22
$ 33 1,2-Dichloroethane-d4	65	6.530	6.526	(0.918)	610643	50.3532	50.35
34 1,2-Dichloroethane-d4 2nd	102	6.550	6.545	(0.921)	103536	51.5293	51.53(Q)
* 38 Fluorobenzene	96	7.112	7.098	(1.000)	1264735	50.0000	
$ 47 Toluene-d8	98	9.931	9.917	(0.787)	1194040	53.2316	53.23
* 56 Chlorobenzene-d5	117	12.623	12.609	(1.000)	888487	50.0000	
$ 67 4-Bromofluorobenzene	95	14.950	14.946	(0.866)	1008488	55.2447	55.24
66 4-Bromofluorobenzene-2nd	174	14.960	14.946	(0.867)	502219	49.1870	49.19
* 79 1,4-Dichlorobenzene-d4	152	17.257	17.253	(1.000)	511763	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1103BG.B\G09586.D
Lab Smp Id: DN0TK1AC Client Smp ID: G09586
Inj Date : 04-NOV-2000 07:02
Operator : AD Inst ID: mg.i
Smp Info : DN0TK1AC,,2,,0,1,0,8260BGS.M,G09586
Misc Info : E0J250270306-2,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1103BG.B\8260BGS.m
Meth Date : 03-Nov-2000 22:24 beckmang Quant Type: ISTD
Cal Date : 29-OCT-2000 18:40 Cal File: GS2348.D
Als bottle: 19
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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.112	3258114	50.000

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.374	850153	13.0466988	13.05	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DN0TK1AC
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa46863
Client Smp ID: G09586
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown 9 11	1.374	13.05	J

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09586.D

Date : 04-NOV-2000 07:02

Client ID: G09586

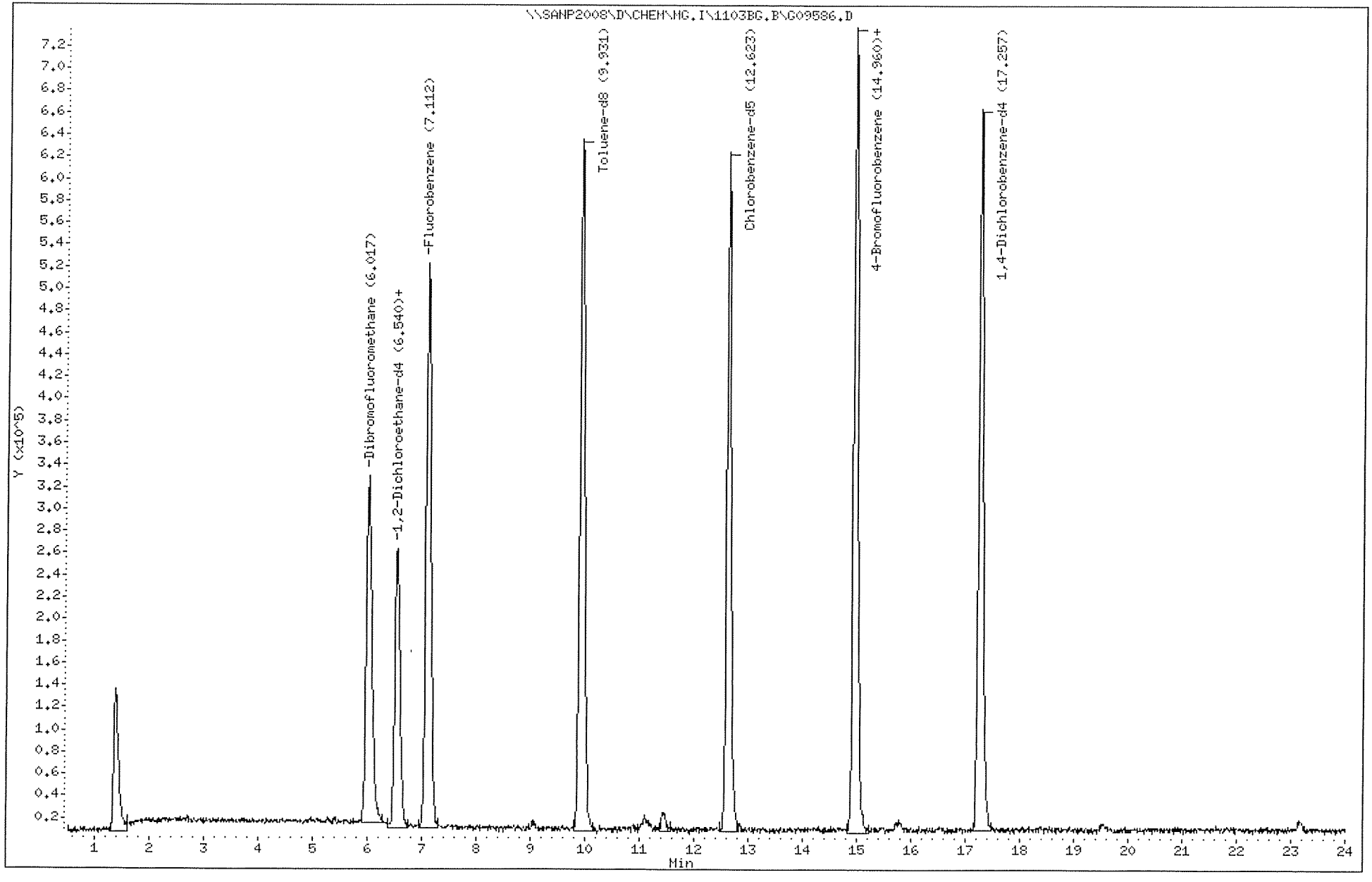
Sample Info: DN0TK1AC,,2,,0,1,0,8260BGS.M,G09586

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD

Column diameter: 0.53



00142

BOE-C6-0163563

Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09586.D

Date : 04-NOV-2000 07:02

Client ID: G09586

Instrument: mg.i

Sample Info: DNOTK1AC,,2,,0,1,0,8260BGS.M,G09586

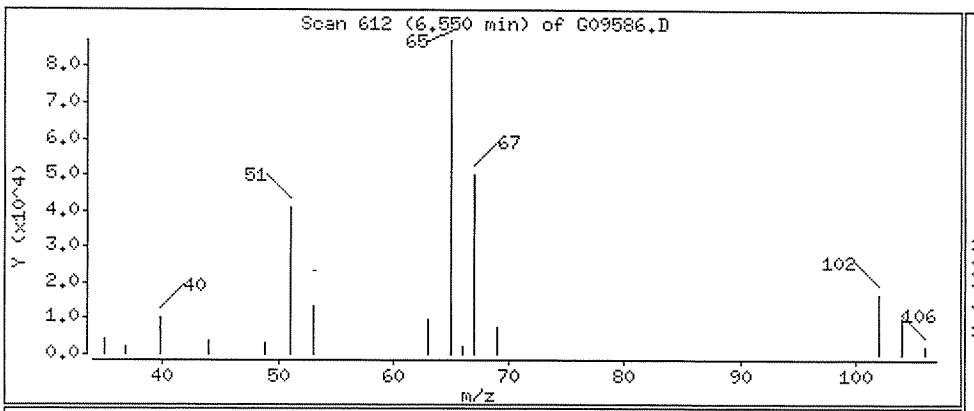
Operator: AD

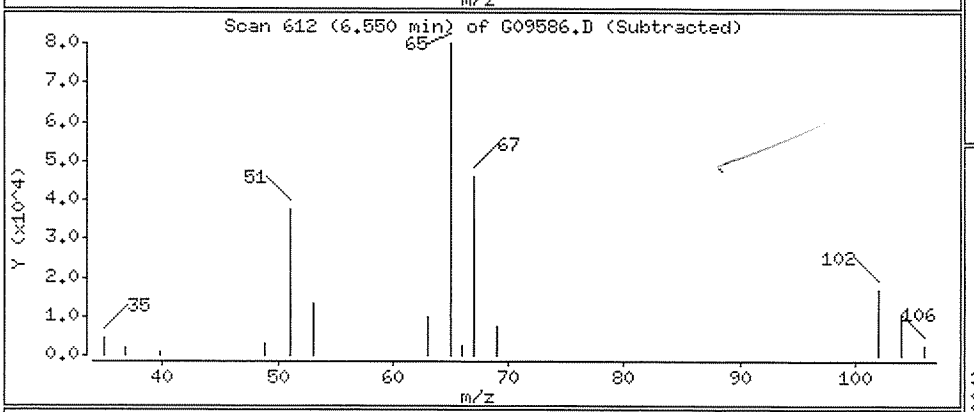
Column phase: J&W DB-624

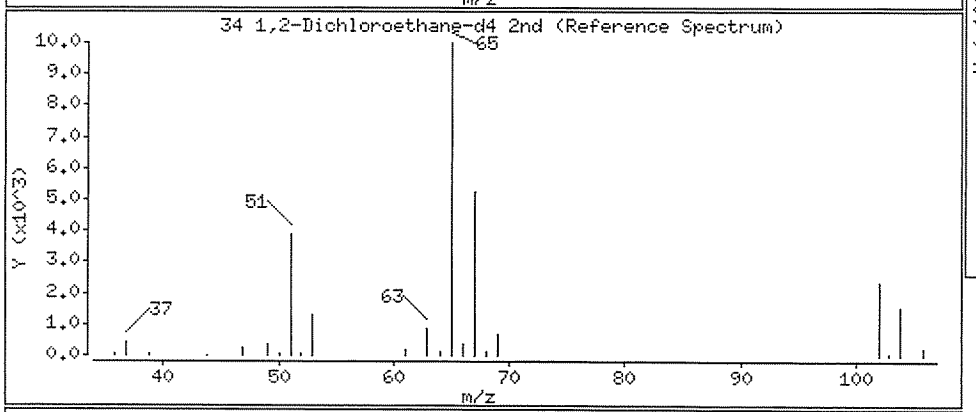
Column diameter: 0.53

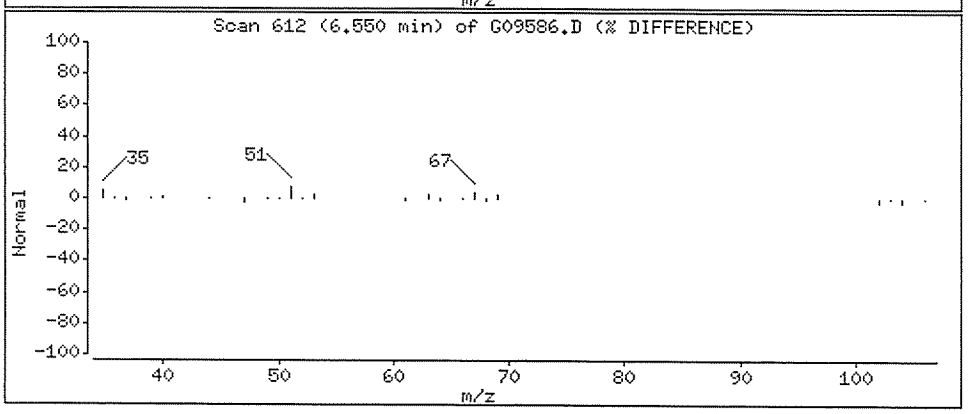
34 1,2-Dichloroethane-d4 2nd

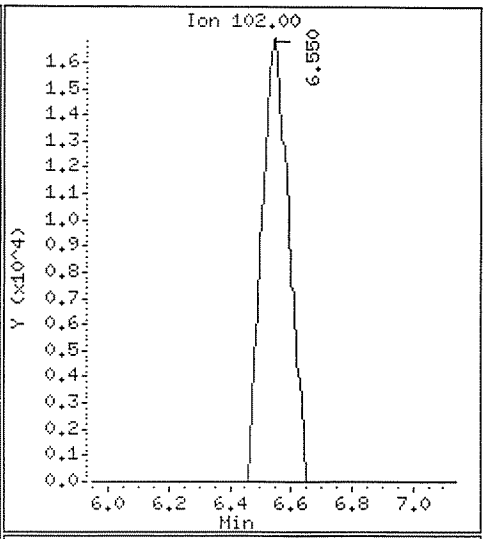
Concentration: 51.53 ug/Kg

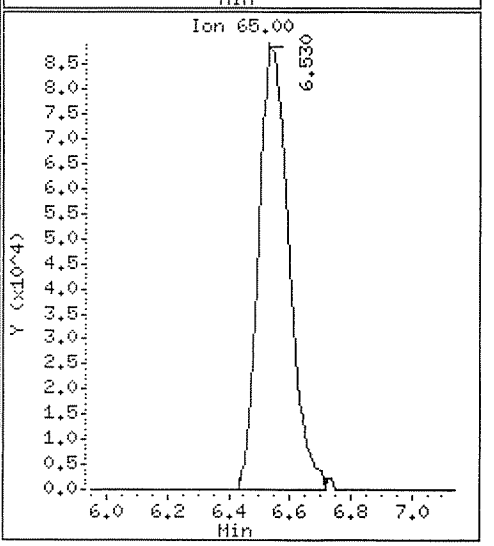












Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09586.D

Date : 04-NOV-2000 07:02

Client ID: G09586

Instrument: mg.i

Sample Info: DNOTK1AC,,2,,0,1,0,8260BGS.M,G09586

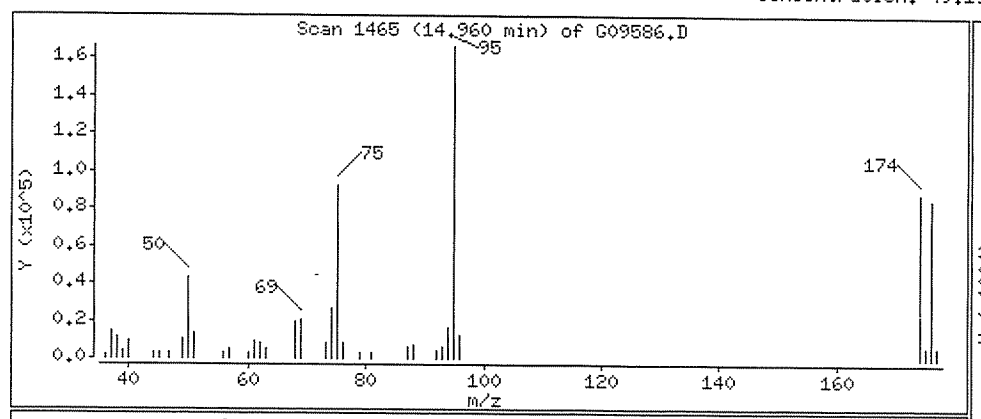
Operator: AD

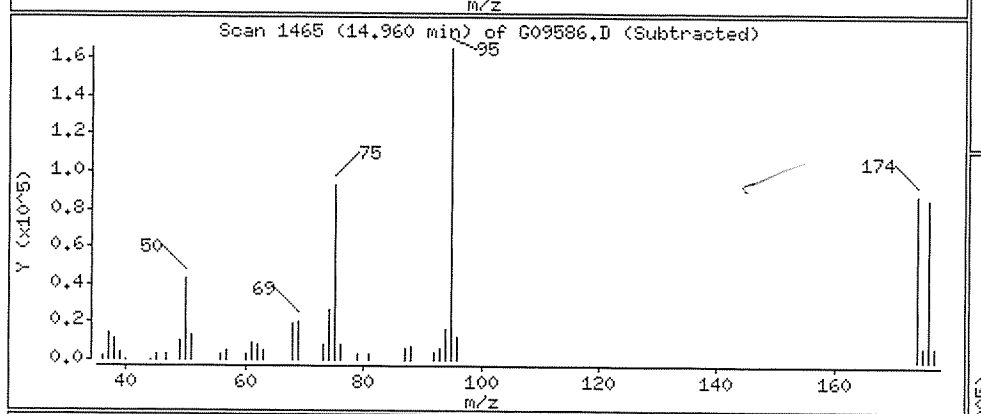
Column phase: J&W DB-624

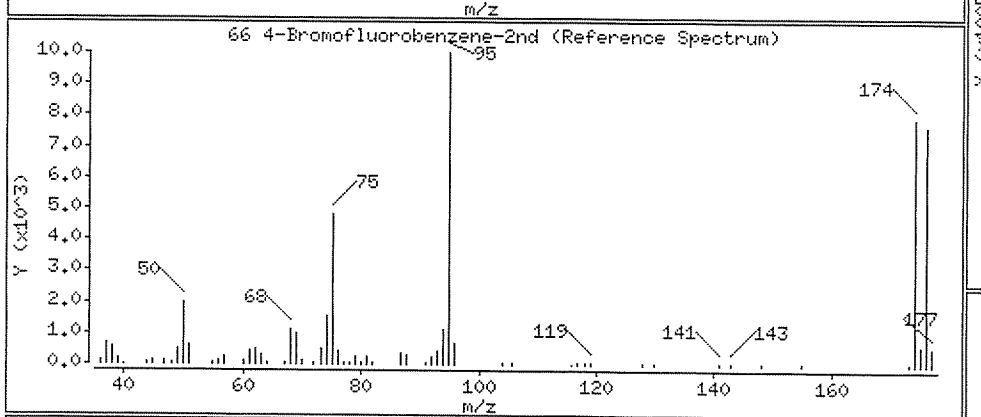
Column diameter: 0.53

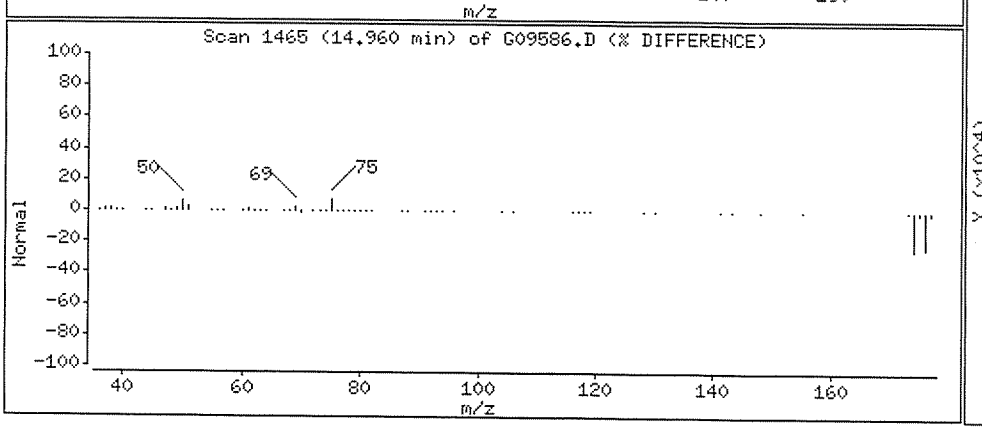
66 4-Bromofluorobenzene-2nd

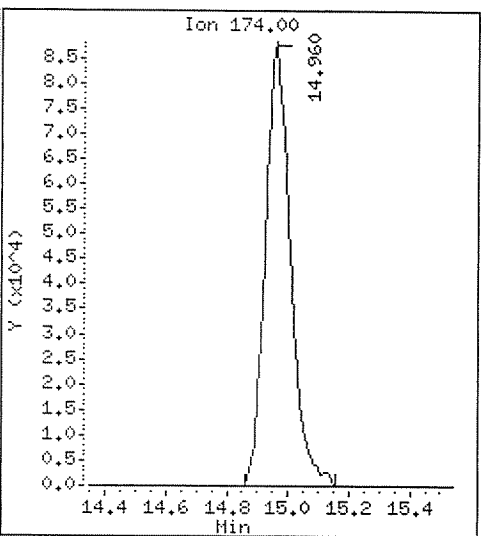
Concentration: 49.19 ug/Kg

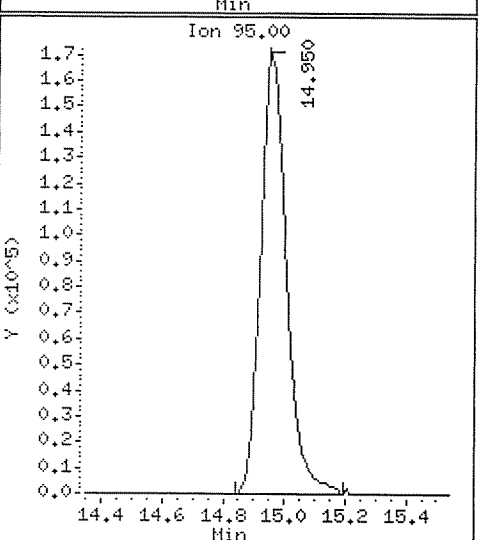


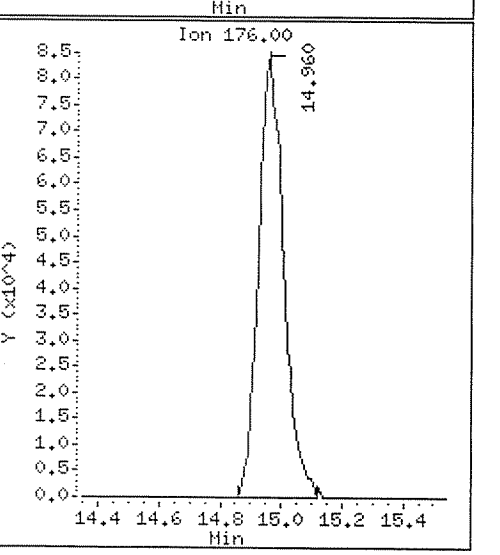












Data File: \\SANP2008\D\CHEM\MG.I\1103BG.B\G09586.D

Date : 04-NOV-2000 07:02

Client ID: G09586

Instrument: mg.i

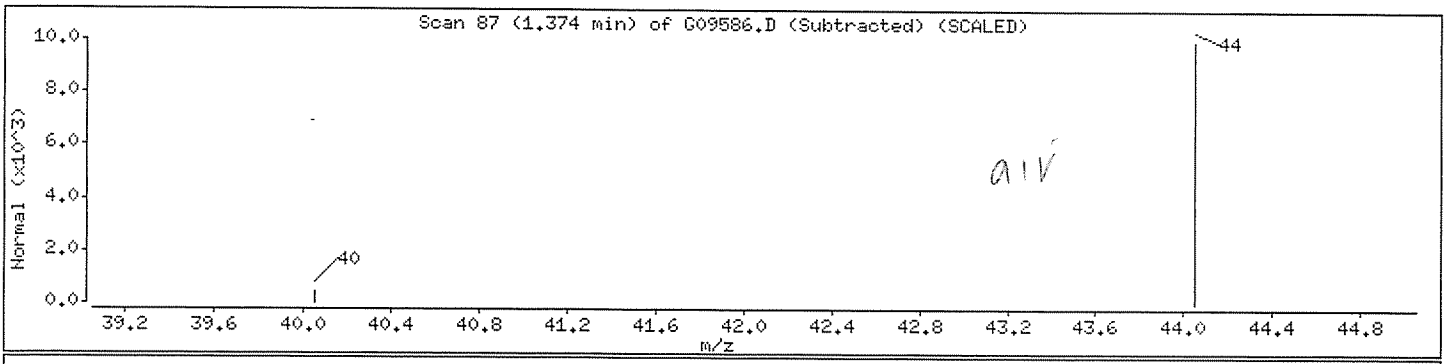
Sample Info: DNOTK1AC,,2,,0,1,0,8260BGS.M,G09586

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



TVPH

LEVEL III

C6 TO C8

BOE-C6-0163567

J270306

TVPH

SAMPLE AND QC DATA

Date(s) Analyzed: 11/1/00

Instrument ID: GC15 GC16 GC13

Batch #: 0315361

Samples: EQJ270306 -1, 2

Quanterra Incorporated
Sample to Blank Detection Limit Association Check

Batch Number: 0315361

Lab ID: E0J240264 019 Workorder: DNNXG1AC Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J270306 001 Workorder: DN0TG1AD Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J270306 002 Workorder: DN0TK1AE Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J270318 015 Workorder: DN0041AF Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J270318 024 Workorder: DN01G1AF Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J310118 033 Workorder: DN33T1AF Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J310118 034 Workorder: DN33W1AF Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J310118 036 Workorder: DN3361AF Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J310118 037 Workorder: DN34E1AF Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J310118 039 Workorder: DN34M1AF Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J310118 040 Workorder: DN34R1AF Dilution Factor: 1
Analyte: Gasoline Range Organics (C6-C12) No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C10) No Matching Blank Analyte Found

Lab ID: E0J310118 040 S Workorder: DN34R1A3 Dilution Factor: 1
Analyte: Gasoline Range Organics (C6-C12) No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C10) No Matching Blank Analyte Found

Lab ID: E0J310118 040 D Workorder: DN34R1A4 Dilution Factor: 1
Analyte: Gasoline Range Organics (C6-C12) No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C10) No Matching Blank Analyte Found

< < < End of Report > > >

BOE-C6-0163569

000148

GGS GC-16AB 030

56	Sample	J270318-20	318-20	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
57	Sample	J270318-21	318-21	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
58	Sample	J270318-22	318-22	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
59	Sample	J270318-23	318-23	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
60	Sample	J270318-24	318-24	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
61	Sample	J270318-25	318-25	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
	Sample	J270318-26	318-26	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
	Sample	J270318-27	318-27	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
64	Sample	J270318-28	318-28	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
65	Sample	J270318-28 GMS	318-28 GMS	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
66	Sample	J270318-28 GMSD	318-28GMSD	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
67	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
68	Sample	LCS GAS	LCS GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
69	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
70	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
71	Sample	J240264-19	264-19	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
72	Sample	J240264-27	264-27	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
73	Sample	J270318-11	318-11	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
74	Sample	J310118-2	118-2	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
75	Sample	J310118-3	118-3	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
76	Sample	J310118-4	118-4	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
77	Sample	J310118-5	118-5	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
78	Sample	J310118-8	118-8	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
79	Sample	J310118-9	118-9	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
80	Sample	J310118-10	118-10	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
81	Sample	J310118-12	118-12	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
82	Sample	J310118-15	118-15	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
83	Sample	J310118-16	118-16	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
84	Sample	J310118-21	118-21	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
85	Sample	J310118-21 GMS	118-21 GMS	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
86	Sample	J310118-21 GMSD	118-21GMSD	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
87	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
88	Sample	LCS GAS	LCS GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
89	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
90	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
91	Sample	J310118-17	118-17	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
92	Sample	J310118-18	118-18	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
93	Sample	J310118-19	118-19	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
94	Sample	J310118-20	118-20	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
95	Sample	J310118-22	118-22	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
96	Sample	J310118-23	118-23	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
7	Sample	J310118-24	118-24	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Sample	J310118-25	118-25	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
99	Sample	J310118-26	118-26	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
100	Sample	J310118-27	118-27	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
101	Sample	J310118-28	118-28	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
102	Sample	J310118-29	118-29	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
103	Sample	J310118-30	118-30	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
104	Sample	J310118-31	118-31	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
105	Sample	J310118-32	118-32	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
106	Sample	J310118-35	118-35	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
107	Sample	J310118-35 GMS	118-35 GMS	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
108	Sample	J310118-35 GMSD	118-35GMSD	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
109	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
110	Sample	LCS GAS	LCS GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
111	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
112	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
113	Sample	J310118-33	118-33	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
114	Sample	J310118-34	118-34	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
115	Sample	J310118-36	118-36	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
116	Sample	J310118-37	118-37	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
117	Sample	J310118-38	118-38	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
118	Sample	J310118-39	118-39	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
119	Sample	J310118-40	118-40	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
120	Sample	J310118-40 GMS	118-40 GMS	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
121	Sample	J310118-40 GMSD	118-40GMSD	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
122	Sample	J260178-35	178-35	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
123	Sample	J240264-19		low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
124	Sample	J270306-1		low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
125	Sample	J270306-2		low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
126	Sample	J270318-11		low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
127	Sample	J270318-15		low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
128	Sample	J270318-24		low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
129	Sample	J270318-28 GMS	318-28 GMS	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
130	Sample	J270318-28 GMSD	318-28GMSD	low soil	1.000	1.000	1.000	1.000	1.000	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
2	Sample	LCS GAS	LCSGAS	HIGH SOIL	1.000	1.000	1.000	1.000	50.000	1.000	0.000	0.000
3	Sample	~~LCSD GAS~~	LCSGAS	HIGH SOIL	1.000	1.000	1.000	1.000	50.000	1.000	0.000	0.000
134	Sample	MB S	MB S	HIGH SOIL	1.000	1.000	1.000	1.000	50.000	1.000	0.000	0.000
135	Sample	J260178-25 2X	178-25	HIGH SOIL	1.000	1.000	1.000	2.000	50.000	1.000	0.000	0.000
136	Sample	J260178-25 2X	178-25	HIGH SOIL	1.000	1.000	1.000	1.000	50.000	1.000	0.000	0.000
137	Sample	J260178-30	178-30	HIGH SOIL	1.000	1.000	1.000	1.000	50.000	1.000	0.000	0.000
138	Sample	J260178-31	178-31	HIGH SOIL	1.000	1.000	1.000	1.000	50.000	1.000	0.000	0.000
139	Sample	J260178-39	178-39	HIGH SOIL	1.000	1.000	1.000	1.000	50.000	1.000	0.000	0.000
140	Sample	J260178-41	178-41	HIGH SOIL	1.000	1.000	1.000	1.000	50.000	1.000	0.000	0.000
141	Sample	J240264-27	264-27	HIGH SOIL	1.000	1.000	1.000	1.000	50.000	1.000	0.000	0.000
142	Sample	LCS GAS	LCS GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

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143	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
144	Sample	LCS GAS	LCS GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
145	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
146	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
147	Sample	J270318-20 GMS	318-20 GMS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
148	Sample	J270318-20 GMSD	318-20GMSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J310118-22	118-22	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J310118-27	118-27	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
151	Sample	J310118-28	118-28	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
152	Sample	J310118-35	118-35	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
153	Sample	J310118-38	118-38	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
154	Sample	J260178-30	178-30	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
155	Sample	J260178-31	178-31	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
156	Sample	J260178-35	178-35	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
157	Sample	J270318-11	318-11	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
158	Sample	GASCCV	GASCCV	LOW SOIL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
159	Sample	LCS GAS	LCS GAS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
160	Sample	MB S	MB S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
161	Sample	MB S	MB S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
162	Sample	J310118-2	118-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
163	Sample	J310118-3	118-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
164	Sample	J310118-4	118-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
165	Sample	J310118-5	118-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
166	Sample	J310118-8	118-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
167	Sample	J310118-9	118-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
168	Sample	J310118-10	118-10	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
169	Sample	J310118-12	118-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
170	Sample	J310118-15	118-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
171	Sample	J310118-16	118-16	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
172	Sample	J310118-21	118-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
173	Sample	J310118-21 GMS	118-21 GMS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
174	Sample	J310118-21 GMSD	118-21GMSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
175	Sample	J240264-27	264-27	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
176	Sample	GASCCV	GASCCV	LOW SOIL	1.000	1.000	1.000	1.000	1.000	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

Turbochrom Sequence File : C:\TC4\GC16AB\030C6-8.SEQ
Created by : LY on : 10/30/00 04:59 PM
Edited by : JKA/ARM on : 11/3/00 09:34 AM
ɜcription : **********STANDARD ID*********
ICAL/CCV STD: TVPH # S-GCV-001-4
SURROGATE: TFT #S-GCV-001-5
TFT S-CGV-001-8

Number of Times Edited : 37

Sequence File Header Information:

Number of Rows : 180
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	LCSGAS	LCSGAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
4	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
5	Sample	J260178-3	178-3	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	J260178-5	178-5	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
7	Sample	J260178-7	178-7	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
8	Sample	J260178-10	178-10	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
9	Sample	J260178-14	178-14	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
10	Sample	J260178-16	178-16	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
[illegible]	Sample	J260178-18	178-18	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
[illegible]	Sample	J260178-20	178-20	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	J260178-21	178-21	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	J260178-22	178-22	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	J260178-24	178-24	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
16	Sample	J260178-27	178-27	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	J260178-29	178-29	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	J260178-33	178-33	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	J260178-35	178-35	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	J260178-37	178-37	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	J260178-35 GMS	178-35GMS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
22	Sample	J26178-35 GMSD	178-35GMSD		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	CCV GAS	CCV GAS	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
24	Sample	LCS GAS	LCS GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
25	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
26	Sample	MB S	MB S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	J260178-40	178-40	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	J240264-8	264-8	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
29	Sample	J240264-19	264-19	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
30	Sample	J240264-27	264-27	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
31	Sample	J200278-15	278-15	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
32	Sample	J240279-10	279-10	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
33	Sample	J270318-3	318-3	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
34	Sample	J270318-4	318-4	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
35	Sample	J270318-5	318-5	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
36	Sample	J270318-6	318-6	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
37	Sample	J270318-7	318-7	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
38	Sample	J270318-8	318-8	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
39	Sample	J270318-9	318-9	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
40	Sample	J270318-11	318-11	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
41	Sample	J270318-12	318-12	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
42	Sample	J270318-13	318-13	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
43	Sample	J270318-19	318-19	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
44	Sample	J270318-19 GMS	318-19 GMS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
45	Sample	J270318-19 GMSD	318-19GMSD	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	CCV GAS	CCV GAS	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
7	Sample	LCS GAS	LCS GAS	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
48	Sample	J270318-19 GMSD	318-19GMSD	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
49	Sample	MB	MB	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
50	Sample	MB	MB	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
51	Sample	J270318-14	318-14	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
52	Sample	J270318-15	318-15	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
53	Sample	J270318-16	318-16	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
54	Sample	J270318-17	318-17	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
55	Sample	J270318-18	318-18	low soil	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000

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

Time : 11/2/00 09:03 AM
Study :

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

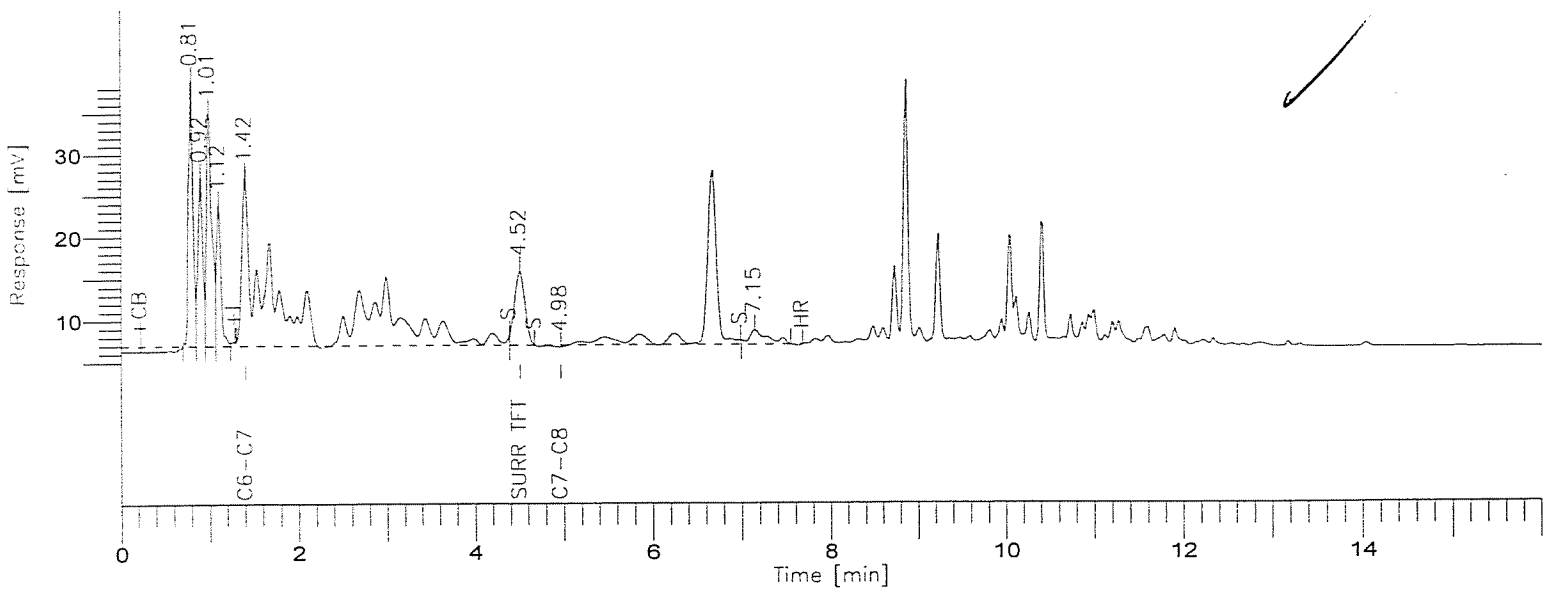
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 11/1/00 08:30 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A109.RAW
Result File : C:\TC4\GC16AB\O30A109.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A109.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A109.RST
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A109.RST
Sequence File : C:\TC4\GC16AB\O30C6-8.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]	STD Results (ppm)	STD Level (ppm)	STD % D
1.42	GASOLINE RANGE	772731	0.8865	1.0000	-11.4
4.52	SURR TFT	73001	0.0390	0.0400	-2.5
		845732			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.42	C6-C7	588223	0.9700	1.0000	-3.0
4.97	C7-C8	184508	0.7005	1.0000	-30.0
		772731			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\O30A109.TX0

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

Time : 11/14/00 09:55 AM
Study :

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

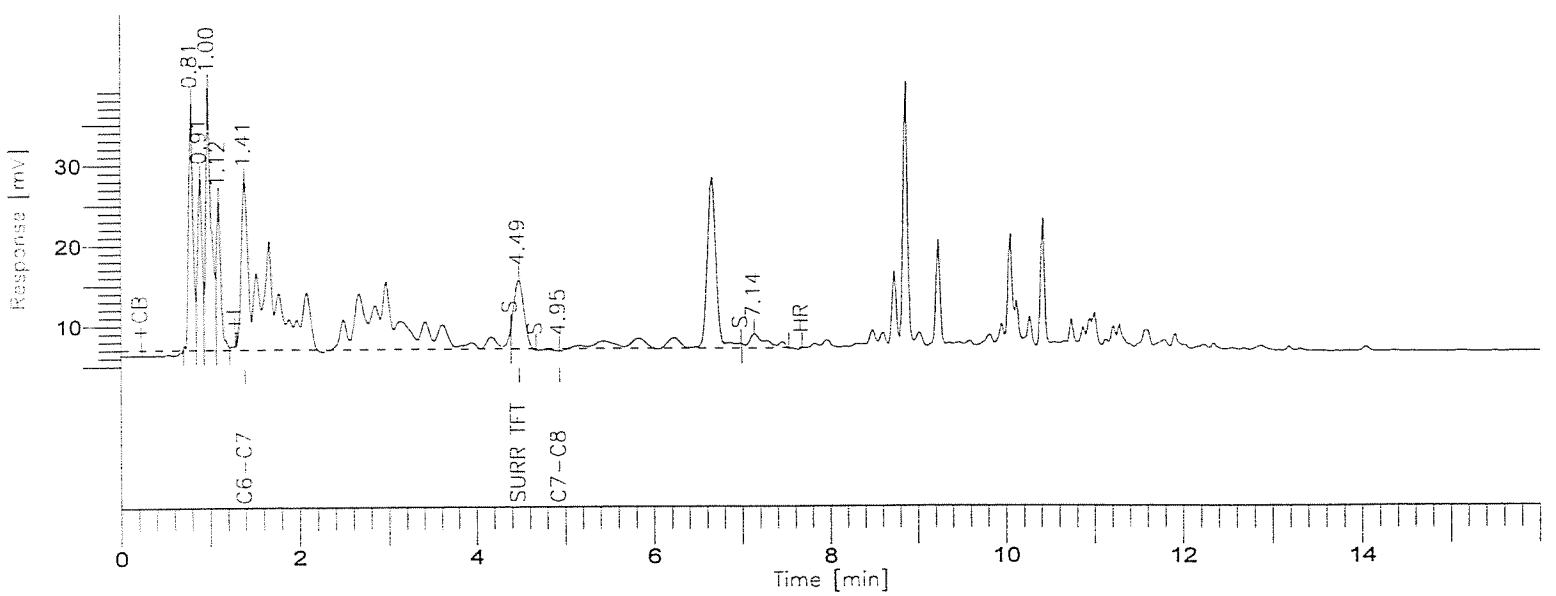
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 11/2/00 06:56 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A131.RAW
Result File : C:\TC4\GC16AB\O30A131.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A131.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A131.RST
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A131.RST
Sequence File : C:\TC4\GC16AB\O30C6-8.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]	STD Results (ppm)	STD Level (ppm)	STD % D
1.41	GASOLINE RANGE	805268	0.9246	1.0000	-7.5
4.49	SURR TFT	66959	0.0365	0.0400	-8.7
		872227			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.41	C6-C7	617804	1.0203	1.0000	2.0
4.95	C7-C8	187464	0.7117	1.0000	-28.8
		805268			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\O30A131.TX0

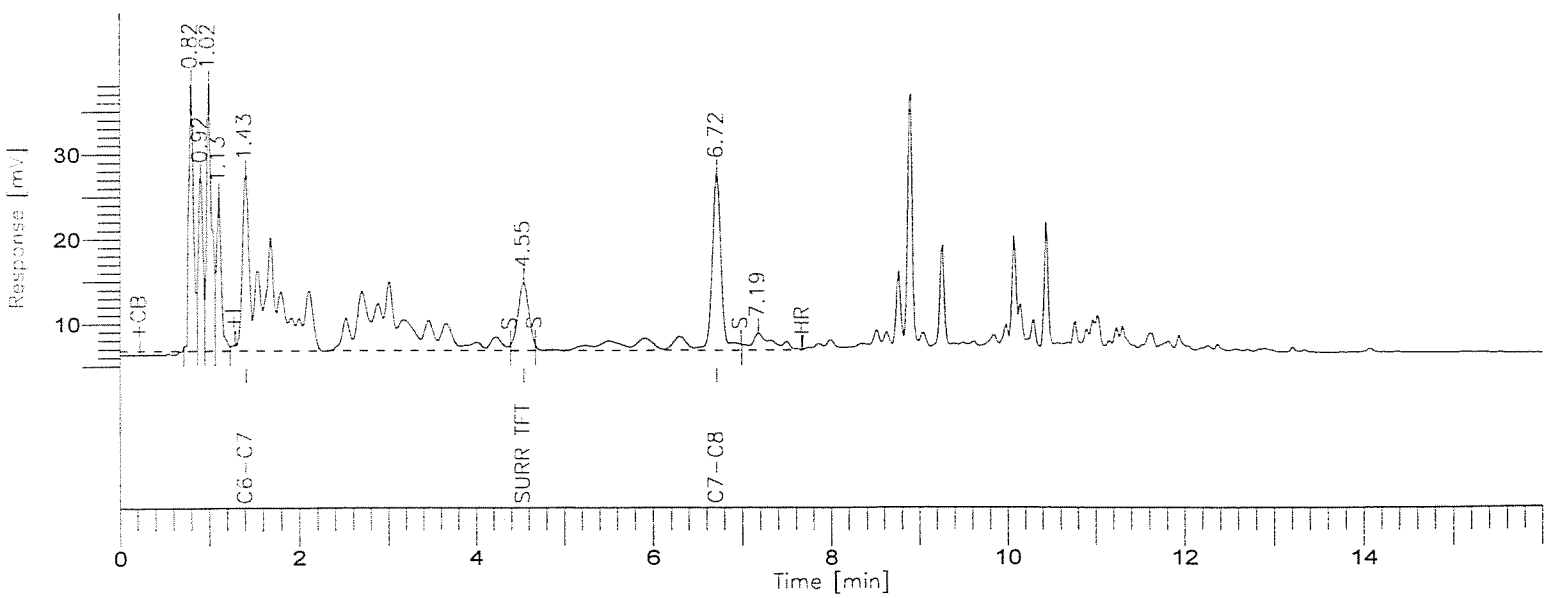
Software Version: 4.1<2F12>
Sample Name : GASCCV Time : 11/13/00 01:28 PM
Sample Number: GASCCV Study :
:rator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 11/2/00 12:08 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A143.RAW
Result File : C:\TC4\GC16AB\O30A143.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A143.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A143.RST
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A143.RST
Sequence File : C:\TC4\GC16AB\O30C6-8.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

000156

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.43	GASOLINE RANGE	851468	0.9788	1.0000	-2.1
4.55	SURR TFT	70996	0.0382	0.0400	-4.5
		922464			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.43	C6-C7	643091	1.0633	1.0000	6.3
6.72	C7-C8	208377	0.7908	1.0000	-20.9
		851468			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\O30A143.TX0

Lot/Sample: E0K100000-361B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DPQ8X-1-AA 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: 11/01/00
Inject Time..: 21:27 Inject Vol: 5.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O30A111
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....:10/30/00
Leach Date.....:0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:ALCANTAJ 0/11/14 10:58:47
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 11/01-11/02/00
QC Batch.....: 0315361
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		
02909	TPH (as Gasoline)			ND	1	0.1		
03518	Unknown Hydrocarbon			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	0.1370	68.5		

Software Version: 4.1<2F12>
Sample Name : MB S
Sample Number: MB S
O- rator :

Time : 11/1/00 09:43 PM
Study : low soil

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

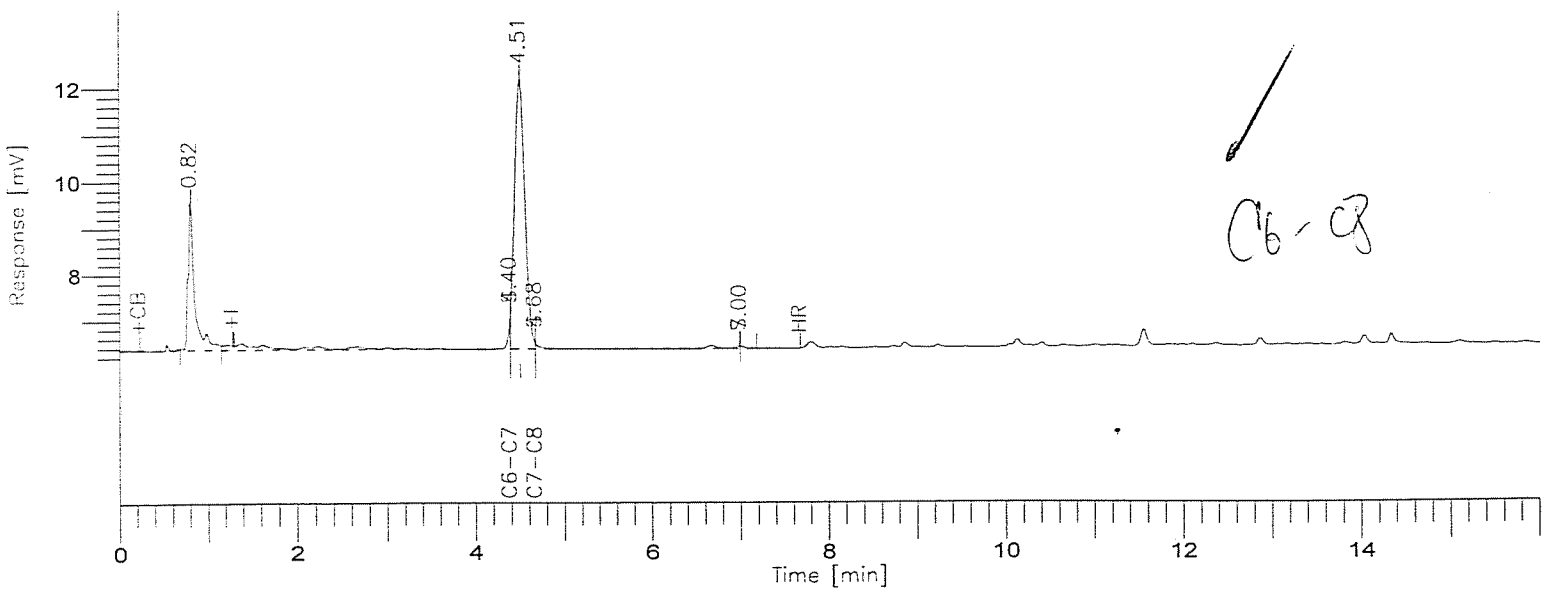
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 11/1/00 09:27 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A111.RAW
Result File : C:\TC4\GC16AB\O30A111.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A111.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8
Sequence File : C:\TC4\GC16AB\O30C6-8.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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Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.40	GASOLINE RANGE	6122	-0.0627	-----	1.00		-0.0125
4.51	SURR TFT	47285	0.1370	68.5	0.00		0.0274
		53407					0.0149

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.40	C6-C7	6081	-0.0970	-----	1.00		-0.0194
4.68	C7-C8	41	0.0137	-----	1.00		0.0027
		6122					-0.0167

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\O30A111.TX0

Lot/Sample: E0K100000-361C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DPQ8X-1-AC Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 11/02/00
Inject Time..: 11:40 Inject Vol: 5.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O30A142
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....:10/30/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:ALCANTAJ 0/11/13 15:01:35
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 11/02/00
QC Batch.....: 0315361
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
04273	Gasoline Range Organics		NA		NA	0	0		
04863	Gasoline Range Organics		NA		NA	0	0		
02909	TPH (as Gasoline)			5.0	4.8974	97.94	0		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2117	105.85		

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

Time : 11/2/00 11:56 AM
Study : low soil

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

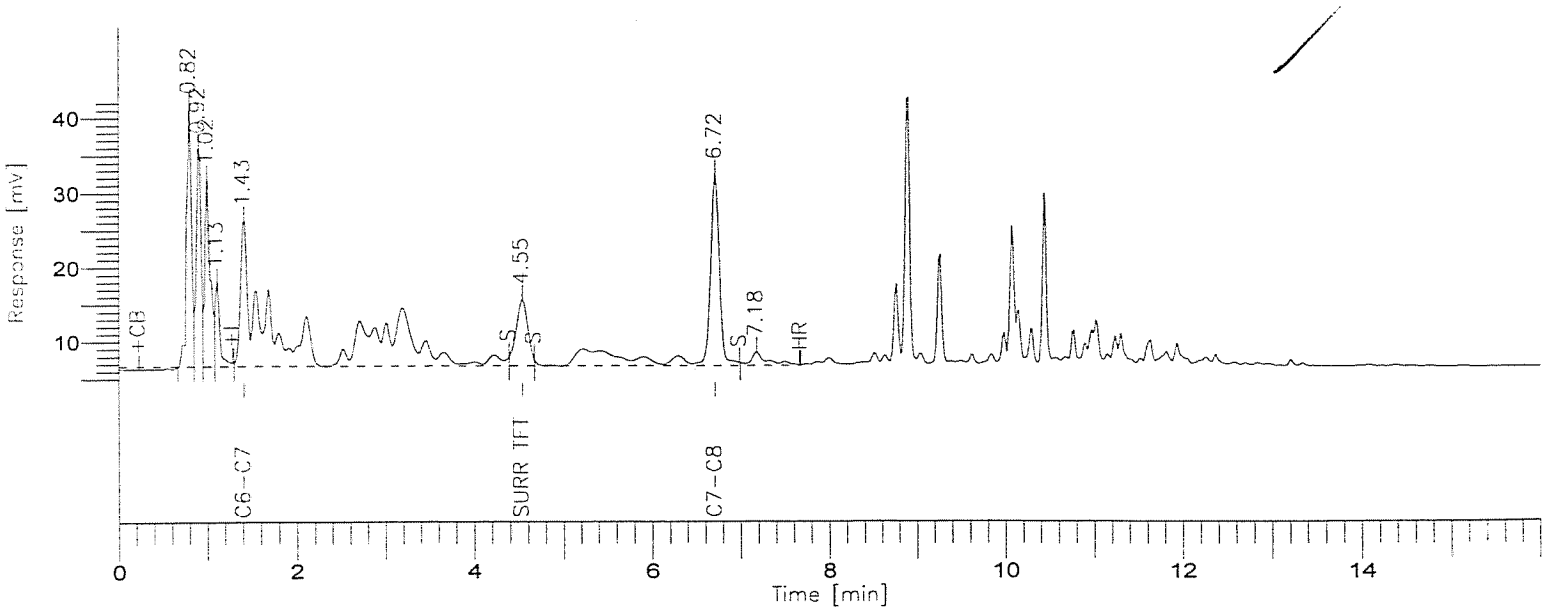
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 11/2/00 11:40 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A142.RAW
Result File : C:\TC4\GC16AB\O30A142.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A142.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8
Sequence File : C:\TC4\GC16AB\O30C6-8.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

000162

BOE-C6-0163583

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
4.55	SURR TFT	81599	0.2117	0.0400	105.9		0.0423
6.72	GASOLINE RANGE	852055	4.8974	1.0000	97.9		0.9795
		933654					1.0218

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	580737	4.7865	1.0000	95.7		0.9573
6.72	C7-C8	271318	5.1443	1.0000	102.9		1.0289
		852055					1.9862

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\O30A142.TX0

Lot/Sample: E0J310118-040S DP0256_SSG28AOA TICs.....: N Report Results: Y
WO#.....: DN34R-1-A3 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 11/02/00
Inject Time..: 1:43 Inject Vol: 5.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O30A120
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....:10/30/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:ALCANTAJ 0/11/13 15:01:37
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 11/02/00
QC Batch.....: 0315361
MS Run Number: 0318204
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
04273	Gasoline Range Organics		NA		NA	0	0		
	Sample amount: NA								
04863	Gasoline Range Organics		NA		NA	0	0		
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	4.8275	96.55	0.64		
	Sample amount: ND								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2005	100.25		

Software Version: 4.1<2F12>
Sample Name : J310118-40 GMS
Sample Number: 118-40 GMS
Operator :

Time : 11/2/00 09:39 AM
Study : low soil

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

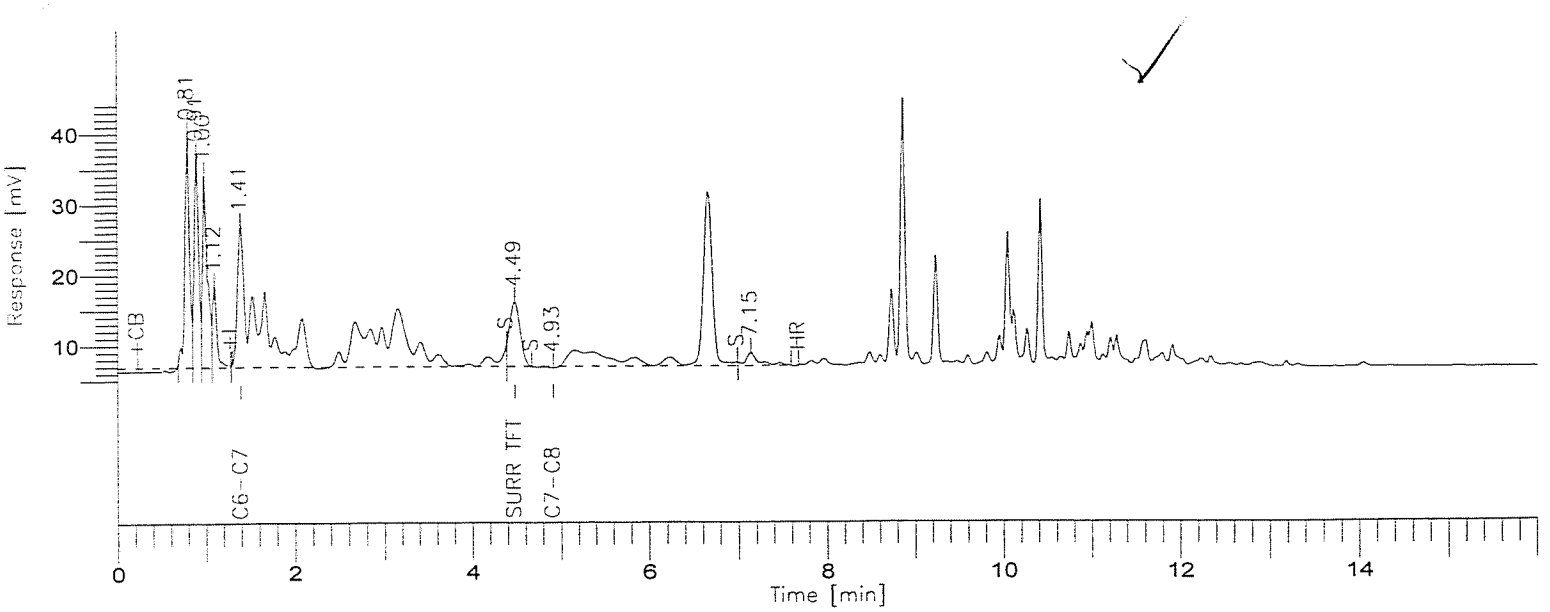
Channel : A A/D mV Range : 1000

Interface Serial # : 2346570928 Data Acquisition Time: 11/2/00 01:43 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A120.RAW
Result File : C:\TC4\GC16AB\O30A120.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A120.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A120.RST
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A120.RST
Sequence File : C:\TC4\GC16AB\O30C6-8.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

000165

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
1.41	GASOLINE RANGE	840113	0.9655	1.0000	96.5		0.9655
4.49	SURR TFT	75764	0.0401	0.0400	100.3		0.0401
		915877	0.9655 × 5 = 4.8275 gas		0.0401 × 5 = 0.2005		1.0056

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
1.41	C6-C7	578837	0.9541	1.0000	95.4		0.9541
4.93	C7-C8	261276	0.9909	1.0000	99.1		0.9909
		840113					1.9449

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\O30A120.TX0

Lot/Sample: E0J310118-040D DP0256_SSG28AOA TICs.....: N Report Results: Y
WO#.....: DN34R-1-A4 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 11/02/00
Inject Time..: 2:11 Inject Vol: 5.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O30A121
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....:10/30/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:ALCANTAJ 0/11/13 15:01:38
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 11/02/00
QC Batch.....: 0315361
MS Run Number: 0318204
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
04273	Gasoline Range Organics		NA		NA	0	0		
	Sample amount: NA								
04863	Gasoline Range Organics		NA		NA	0	0		
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	4.8585	97.17	0.64		
	Sample amount: ND								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1948	97.4		

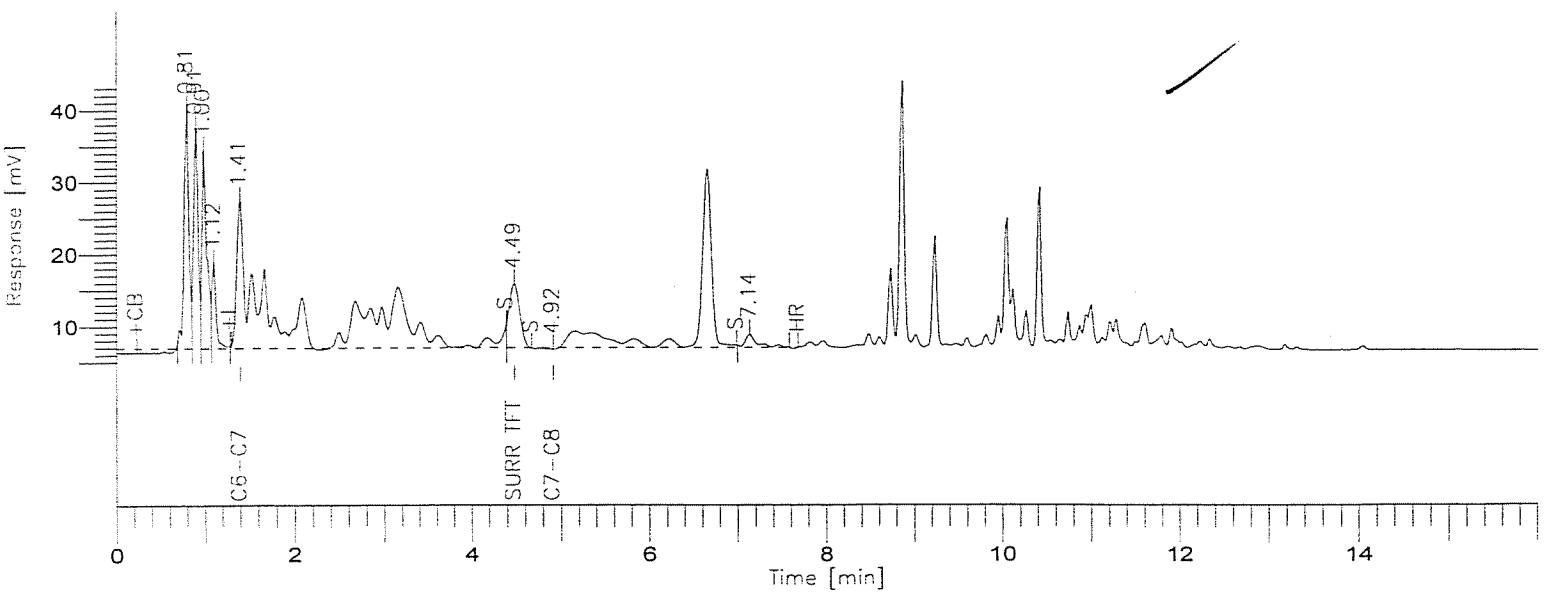
Software Version: 4.1<2F12>
Sample Name : J310118-40 GMSD Time : 11/2/00 09:40 AM
Sample Number: 118-40GMSD Study : low soil
C rator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 11/2/00 02:11 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A121.RAW
Result File : C:\TC4\GC16AB\O30A121.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A121.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A121.RST
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A121.RST
Sequence File : C:\TC4\GC16AB\O30C6-8.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)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
1.41	GASOLINE RANGE	845409	0.9717	1.0000	97.2		0.9717
4.49	SURR TFT	72395	0.0388	0.0400	96.9		0.0388
		917804	0.9717				0.0105

0.3~~0~~8

x 5 = 4.8585 ppm

x 5 = 0.194 TFT

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
1.41	C6-C7	586009	0.9663	1.0000	96.6		0.9663
4.92	C7-C8	259400	0.9838	1.0000	98.4		0.9838
		845409					1.9500

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Report stored in ASCII file: C:\TC4\GC16AB\O30A121.TX0

Lot/Sample: E0J310118-040 DP0256_SSG28AOA TICs.....: N Report Results: Y
WO#.....: DN34R-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: 11/02/00
Inject Time..: 1:14 Inject Vol: 5.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O30A119
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....:10/30/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:ALCANTAJ 0/11/14 11:24:26
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 11/02/00
QC Batch.....: 0315361
MS Run Number: 0318204
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		
04273	Gasoline Range Organics	*	NA	NA		0.1		
04863	Gasoline Range Organics	*	NA	NA		0.1		
02909	TPH (as Gasoline)	*		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	0.1697	84.85		

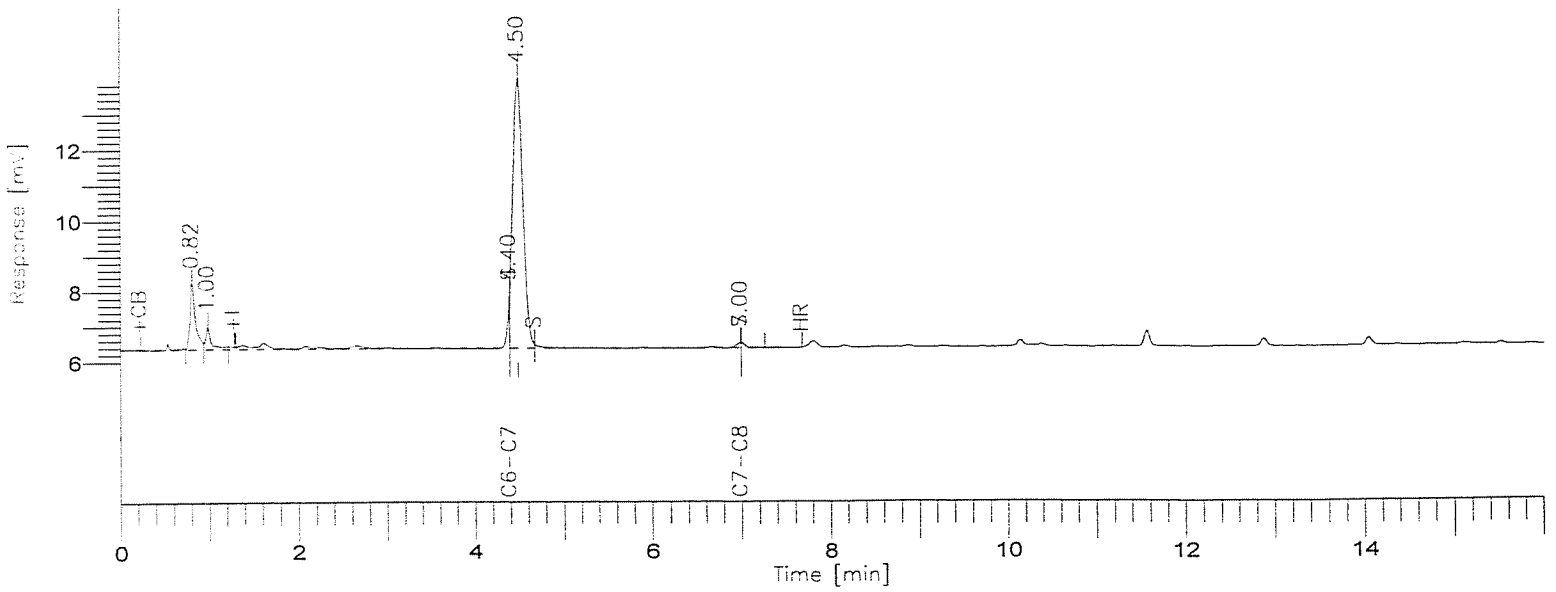
Software Version: 4.1<2F12>
Sample Name : J310118-40 Time : 11/14/00 10:08 AM
Sample Number: 118-40 Study : low soil
(rator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 11/2/00 01:14 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A119.RAW
Result File : C:\TC4\GC16AB\O30A119.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A119.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.mth
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.mth
Sequence File : C:\TC4\GC16AB\O30C6-8.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)
4.40	GASOLINE RANGE	6767	-0.0589	-----	1.00		-0.0118
4.50	SURR TFT	60941	0.1697	84.8	0.00		0.0339
		67708					0.0222

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.40	C6-C7	6420	-0.0941	-----	1.00		-0.0188
7.00	C7-C8	347	0.0195	-----	1.00		0.0039
		6767					-0.0149

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Report stored in ASCII file: C:\TC4\GC16AB\O30A119.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 11/14/2000
Time 10:28:24

Lot/Sample: E0J270306-001 SOURCE-C-1-1027 TICs.....: N Report Results: Y
WO#.....: DN0TG-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: 11/02/00
Inject Time..: 3:37 Inject Vol: 5.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O30A124
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....:10/27/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:ALCANTAJ 0/11/14 11:20:23
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 11/02/00
QC Batch.....: 0315361
MS Run Number: 0318204
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	0.1806	90.3		

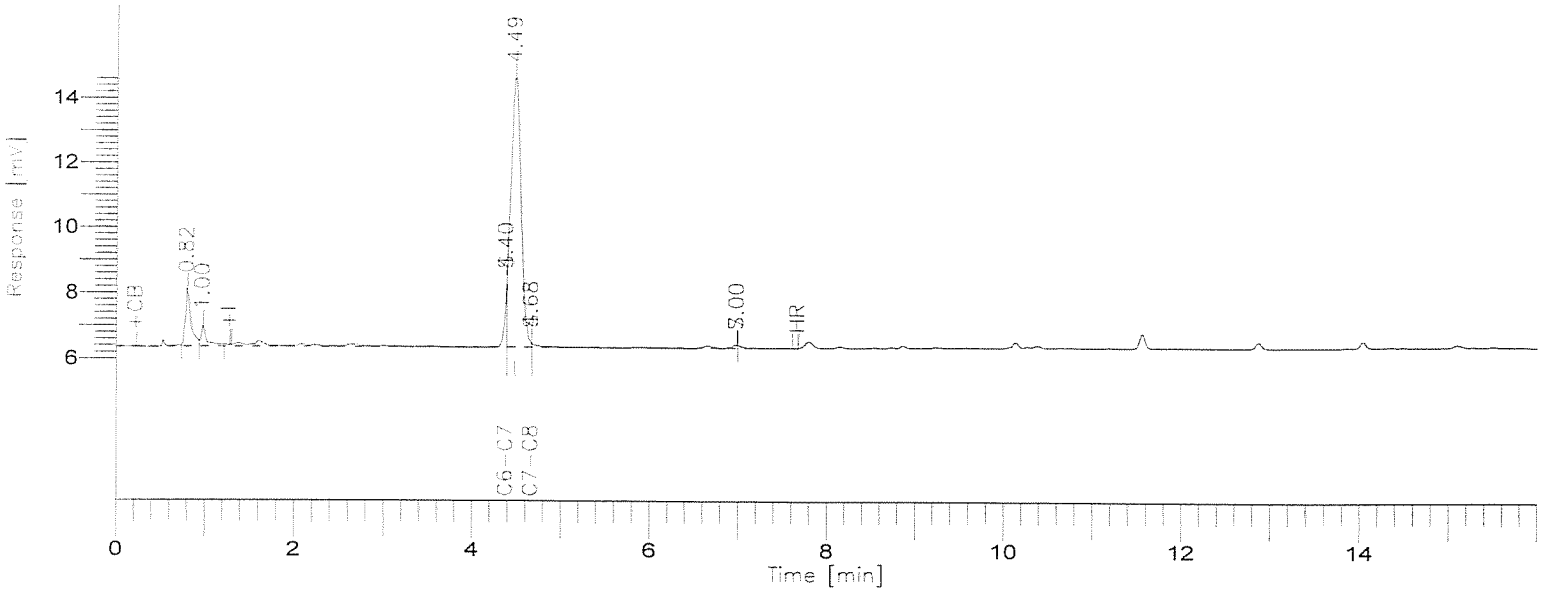
Software Version: 4.1<2F12>
Sample Name : J270306-1 Time : 11/14/00 10:08 AM
Sample Number: Study : low soil
Operator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 11/2/00 03:37 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A124.RAW
Result File : C:\TC4\GC16AB\O30A124.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A124.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.mth
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.mth
Sequence File : C:\TC4\GC16AB\O30C6-8.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)
4.40	GASOLINE RANGE	7519	-0.0545	-----	1.00		-0.0109
4.49	SURR TFT	65968	0.1806	90.3	0.00		0.0361
		73487					0.0252

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.40	C6-C7	7108	-0.0883	-----	1.00		-0.0177
4.68	C7-C8	411	0.0207	-----	1.00		0.0041
		7519					-0.0135

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\O30A124.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 11/14/2000
Time 10:28:24

Lot/Sample: E0J270306-002 SOURCE-D-1-1027 TICs.....: N Report Results: Y
WO#.....: DN0TK-1-AE 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: 11/02/00
Inject Time..: 4:05 Inject Vol: 5.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O30A125
Instr ID: G16 Column: DB624 ID: .53
Sampling date.....:10/27/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:ALCANTAJ 0/11/14 11:20:46
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 11/02/00
QC Batch.....: 0315361
MS Run Number: 0318204
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	0.1824	91.2		

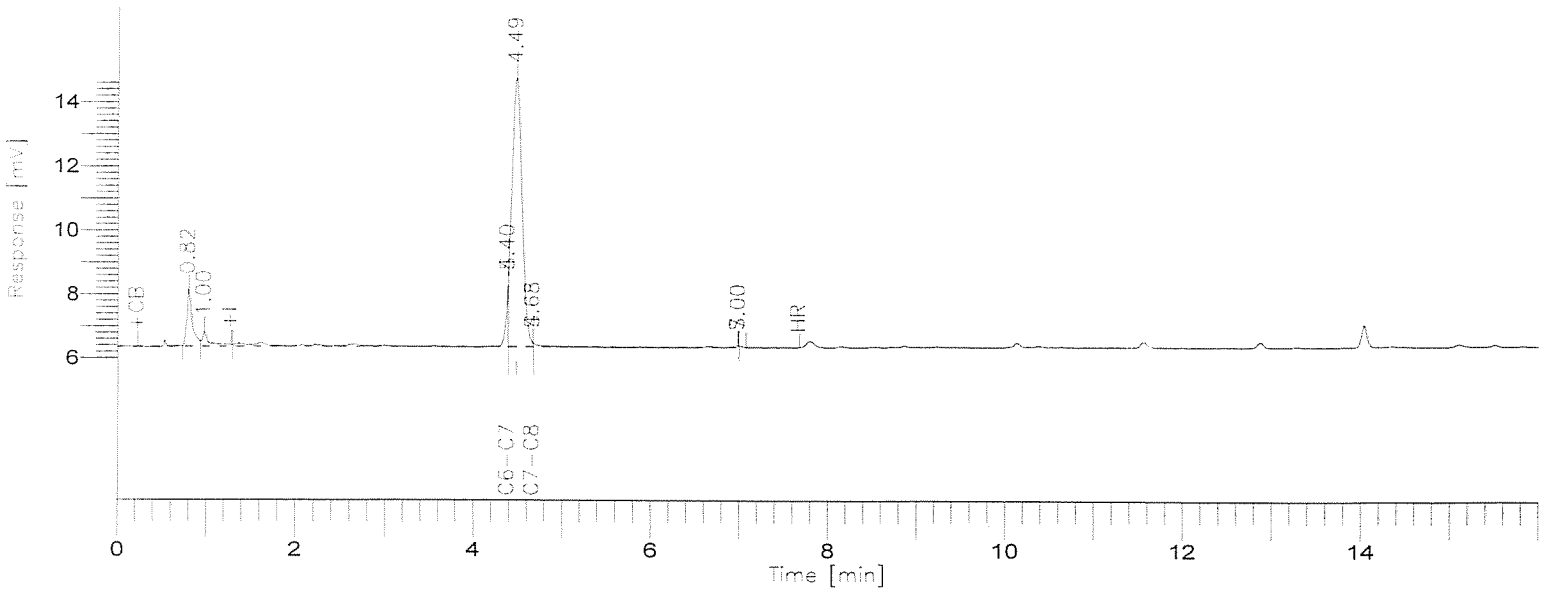
Software Version: 4.1<2F12>
Sample Name : J270306-2 Time : 11/14/00 10:08 AM
Sample Number: Study : low soil
Operator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 11/2/00 04:05 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\O30A125.RAW
Result File : C:\TC4\GC16AB\O30A125.RST
Inst Method : C:\TC4\GC16AB\METHODS\911C6-C8 from C:\TC4\GC16AB\O30A125.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.mth
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.mth
Sequence File : C:\TC4\GC16AB\O30C6-8.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)
4.40	GASOLINE RANGE	6398	-0.0611	-----	1.00		-0.0122
4.49	SURR TFT	66833	0.1824	91.2	0.00		0.0365
		73231					0.0243

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
4.40	C6-C7	6206	-0.0959	-----	1.00		-0.0192
4.68	C7-C8	192	0.0165	-----	1.00		0.0033
		6398					-0.0159

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\O30A125.TX0

INITIAL CALIBRATION

BOE-C6-0163600

INITIAL CALIBRATION DATA

Date Analyzed: 9-11-00

Instrument ID: G16A-6AS

$C_6 \rightarrow C_8$

BOE-C6-0163601

Turbochrom Method File : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Created by : ps on : 9/20/00 05:17 PM
Edited by : JKA on : 9/20/00 05:17 PM
Description :

Number of Times Edited : 0
Number of Times Calibrated : 324

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 both channels

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 4.371
Event #5 - S at 4.738
Event #6 - S at 6.995
Event #7 - -P at 7.056

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 : 2.890 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	35197.43	1280.76	----------	----------	1
2	0.2000	128817.37	4260.72	----------	----------	1
3	0.5000	317460.26	10562.82	----------	----------	1
4	1.0000	607208.81	20366.86	----------	----------	1
5	2.0000	1213241.56	40133.29	----------	----------	1
6	5.0000	2951248.90	96066.07	----------	----------	1

Calibration Curve : y = (17492.895840) + (588367.651324)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999895

SURR TFT
Component Type : Single Peak Component
Retention Time : 4.517 min Search Window: 1.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window

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	19232.99	2280.36	----------	----------	1
2	0.0200	34349.25	3911.73	----------	----------	1
3	0.0300	55583.59	6174.89	----------	----------	1
4	0.0400	78179.20	8466.28	----------	----------	1
5	0.0600	130013.40	13729.19	----------	----------	1
6	0.0800	219409.91	21265.02	----------	----------	1

Calibration Curve : y = (12932.530607) + (578271.596207)x + (24645228.499680)x^2 + (0.000000)x^3
R-squared : 0.997584

C7-C8

Component Type : Single Peak Component
Retention Time : 6.679 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	13138.50	1357.25	----------	----------	1
2	0.2000	49729.18	4984.67	----------	----------	1
3	0.5000	132522.96	13096.13	----------	----------	1
4	1.0000	260248.34	25075.39	----------	----------	1
5	2.0000	534057.99	52361.64	----------	----------	1
6	5.0000	1319442.00	129648.91	----------	----------	1

Calibration Curve : y = (-682.038647) + (264369.279317)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999952

GASOLINE RANGE

Component Type : Named Group
Group Members:
C6-C7
C7-C8

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	48335.93	2638.01	----------	----------	1
2	0.2000	178546.54	9245.40	----------	----------	1
3	0.5000	449983.21	23658.96	----------	----------	1
4	1.0000	867457.15	45442.25	----------	----------	1
5	2.0000	1747299.55	92494.92	----------	----------	1
6	5.0000	4270690.90	225714.99	----------	----------	1

Calibration Curve : y = (16810.857192) + (852736.930641)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999924

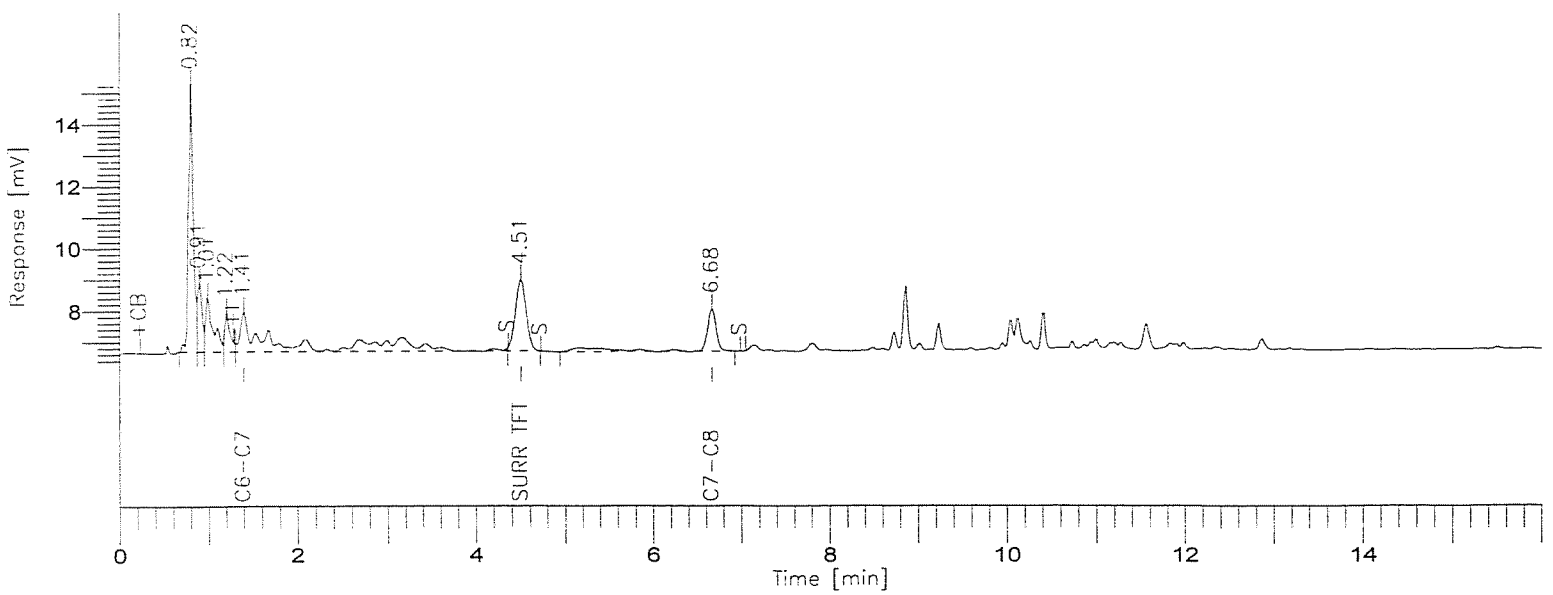
Software Version: 4.1<2F12>
Sample Name : 50/10PPB GAS /TFT Time : 9/20/00 05:12 PM
Sample Number: GAS ICAL Study : ICAL 9/5/00
Operator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 9/11/00 12:20 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\911A003.RAW
Result File : C:\TC4\GC16AB\911A003A.RST
Inst Method : C:\TC4\GC16AB\METHODS\911GAS from C:\TC4\GC16AB\911A003A.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Sequence File : C:\TC4\GC16AB\911.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
4.51	SURR TFT	19233	0.0050	12.4	0.00		0.0050
6.68	GASOLINE RANGE	48336	0.0388	-----	0.10		0.0388
		67569					0.0437

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.41	C6-C7	35197	0.0373	-----	0.10		0.0373
6.68	C7-C8	13138	0.0396	-----	0.10		0.0396
		48336					0.0769

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Report stored in ASCII file: C:\TC4\GC16AB\911A003A.TX0

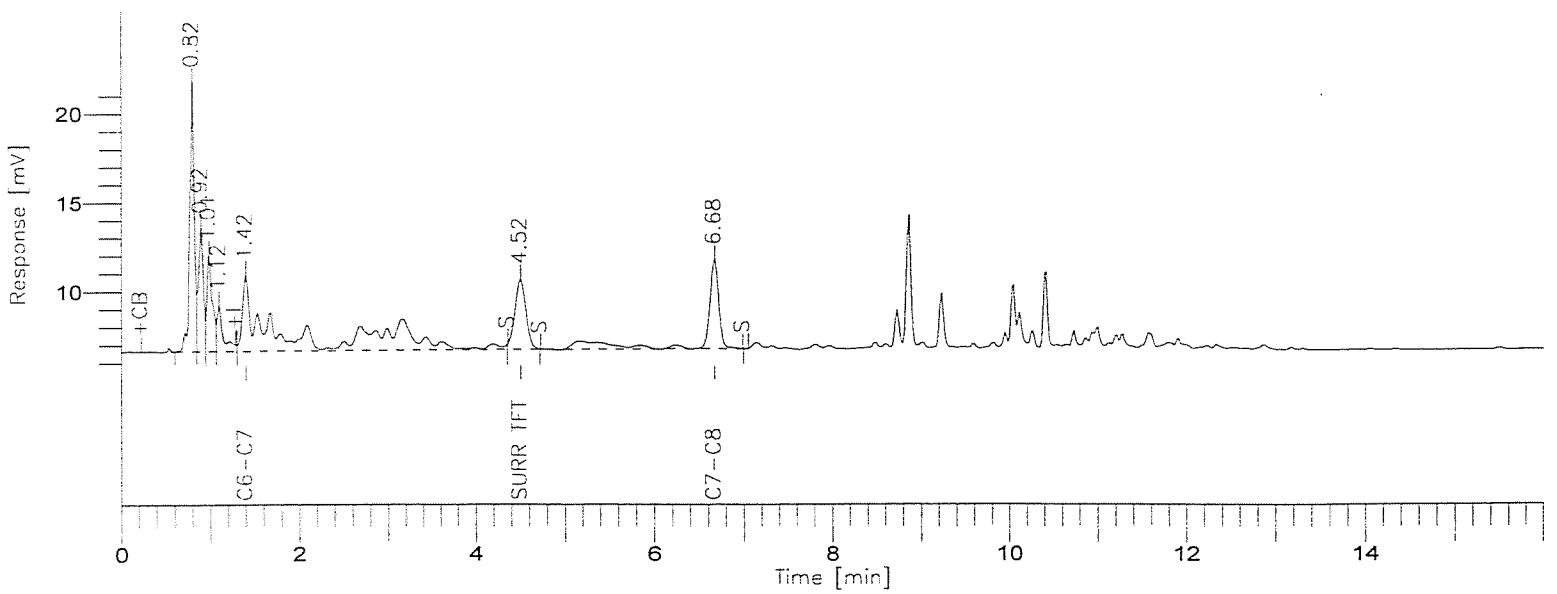
Software Version: 4.1<2F12>
Sample Name : 200/20PPB GAS /TFT Time : 9/20/00 05:12 PM
Sample Number: GAS ICAL Study : ICAL 9/5/00
erator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 9/11/00 12:48 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\911A004.RAW
Result File : C:\TC4\GC16AB\911A004A.RST
Inst Method : C:\TC4\GC16AB\METHODS\911GAS from C:\TC4\GC16AB\911A004A.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Sequence File : C:\TC4\GC16AB\911.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

000187

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
4.52	SURR TFT	34349	0.0200	50.0	0.00		0.0200
6.68	GASOLINE RANGE	178547	0.1152	-----	0.10		0.1152
		212896					0.1353

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.42	C6-C7	128817	0.1873	-----	0.10		0.1873
6.68	C7-C8	49729	0.0735	-----	0.10		0.0735
		178547					0.2609

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\911A004A.TX0

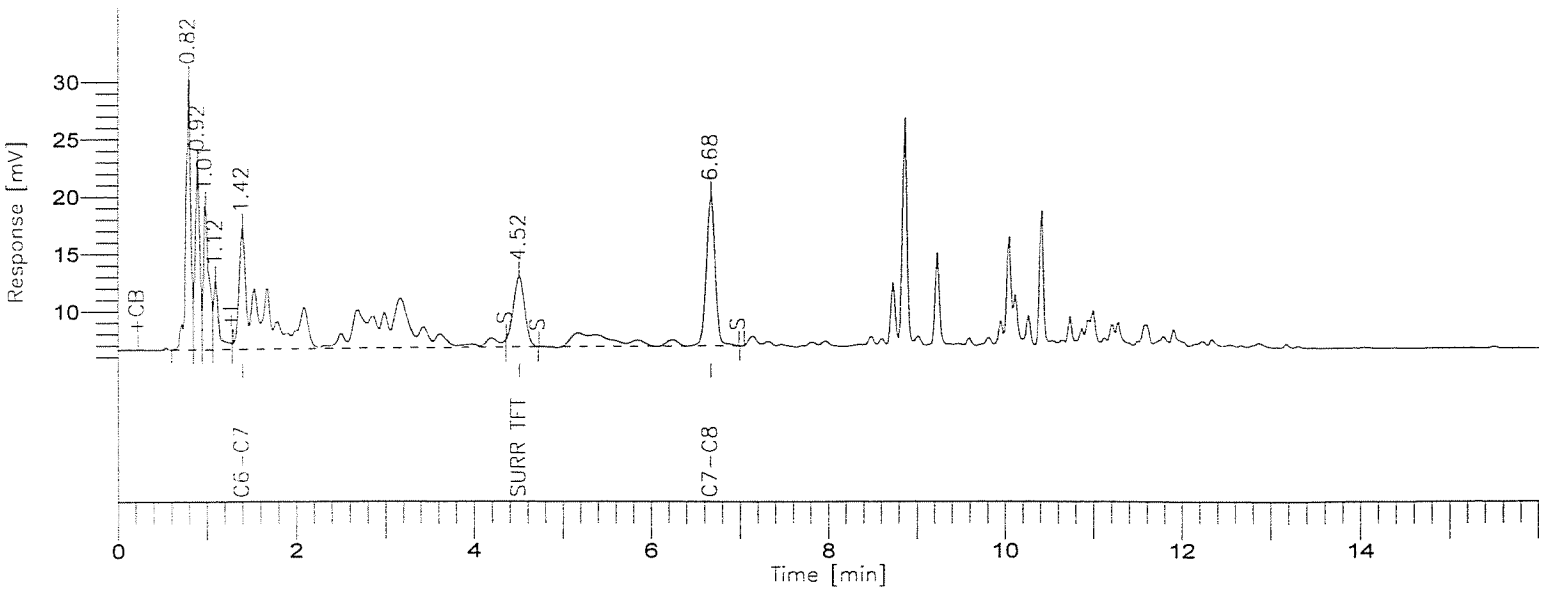
Software Version: 4.1<2F12>
Sample Name : 500/30PPB GAS /TFT Time : 9/20/00 05:13 PM
Sample Number: GAS ICAL Study : ICAL 9/5/00
Operator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 9/11/00 01:17 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\911A005.RAW
Result File : C:\TC4\GC16AB\911A005A.RST
Inst Method : C:\TC4\GC16AB\METHODS\911GAS from C:\TC4\GC16AB\911A005A.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Sequence File : C:\TC4\GC16AB\911.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
4.52	SURR TFT	55584	0.0309	77.3	0.00		0.0309
6.68	GASOLINE RANGE	449983	0.2746	-----	0.10		0.2746
		505567					0.3056

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.42	C6-C7	317460	0.4897	-----	0.10		0.4897
6.68	C7-C8	132523	0.1503	-----	0.10		0.1503
		449983					0.6399

S[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\911A005A.TX0

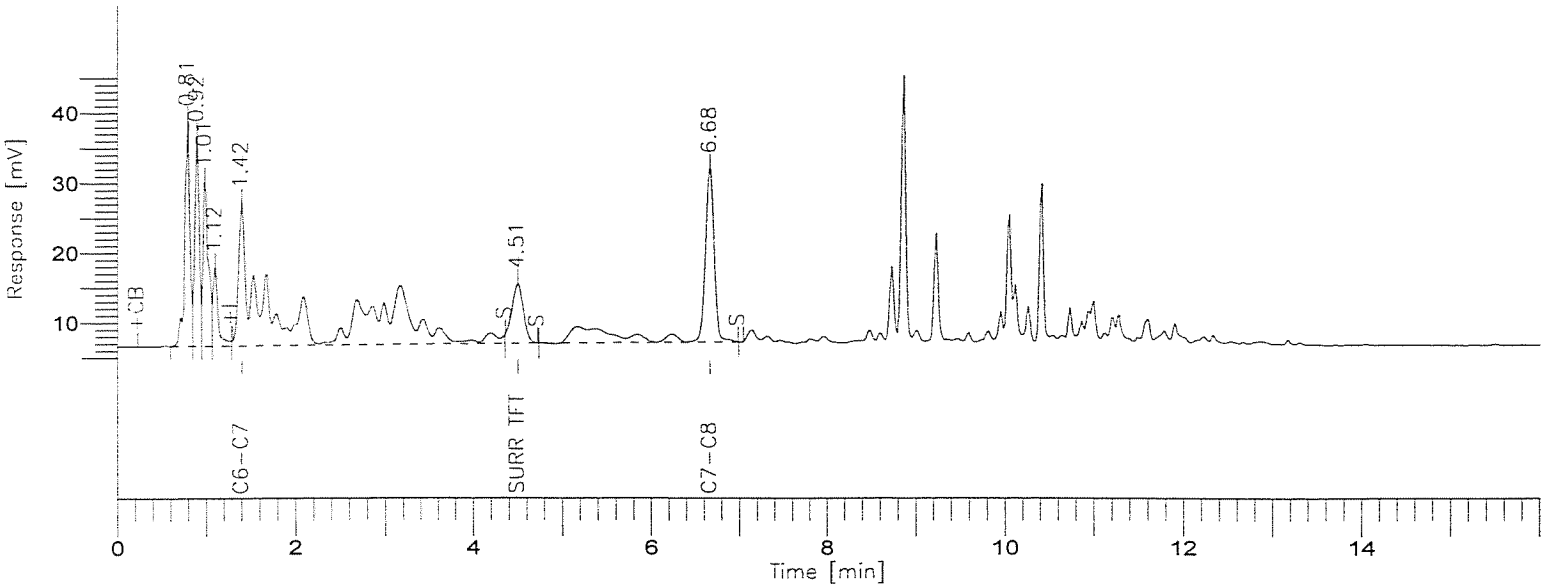
Software Version: 4.1<2F12>
Sample Name : 1000/40PPB GAS /TFT Time : 9/20/00 05:13 PM
Sample Number: GAS ICAL Study : ICAL 9/5/00
Operator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 9/11/00 01:46 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\911A006.RAW
Result File : C:\TC4\GC16AB\911A006A.RST
Inst Method : C:\TC4\GC16AB\METHODS\911GAS from C:\TC4\GC16AB\911A006A.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Sequence File : C:\TC4\GC16AB\911.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
4.51	SURR TFT	78179	0.0395	98.7	0.00		0.0395
6.68	GASOLINE RANGE	867457	0.5198	-----	0.10		0.5198
		945636					0.5593

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.42	C6-C7	607209	0.9540	-----	0.10		0.9540
6.68	C7-C8	260248	0.2687	-----	0.10		0.2687
		867457					1.2227

. L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\911A006A.TX0

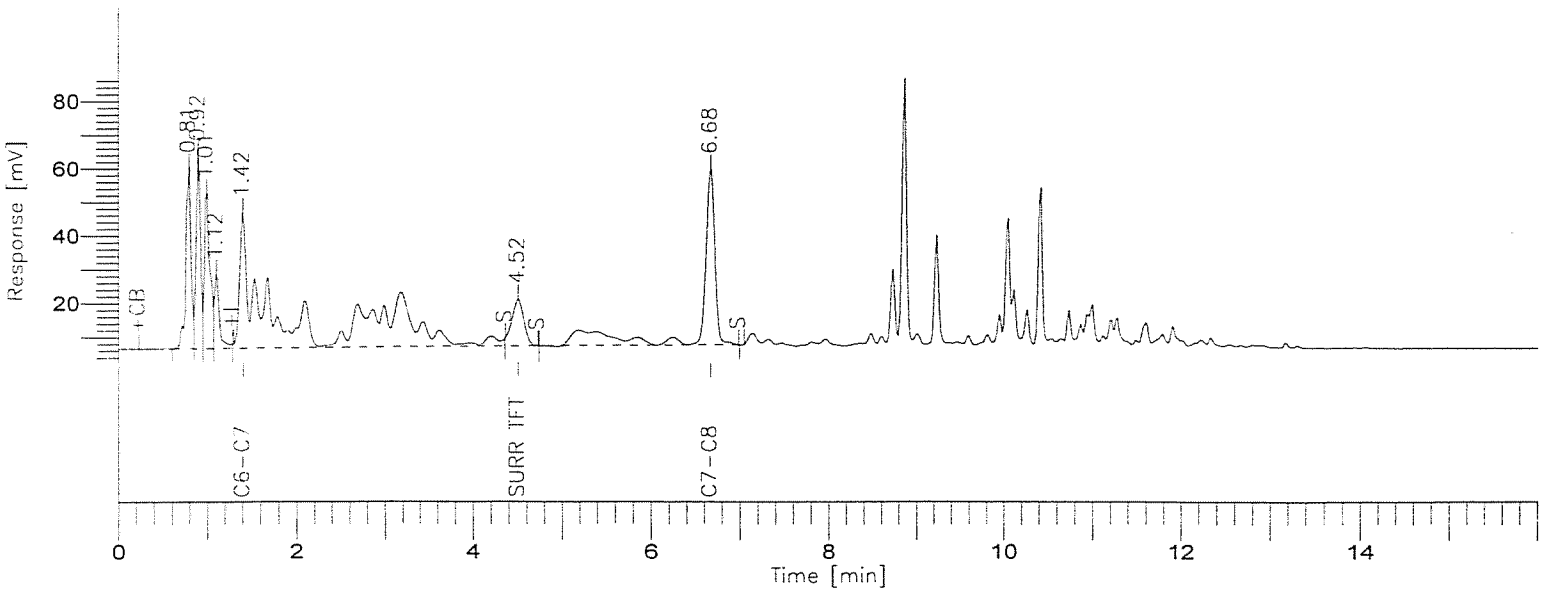
Software Version: 4.1<2F12>
Sample Name : 2000/60PPB GAS /TFT Time : 9/20/00 05:15 PM
Sample Number: GAS ICAL Study : ICAL 9/5/00
Operator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 9/11/00 02:14 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\911A007.RAW
Result File : C:\TC4\GC16AB\911A007A.RST
Inst Method : C:\TC4\GC16AB\METHODS\911GAS from C:\TC4\GC16AB\911A007A.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Sequence File : C:\TC4\GC16AB\911.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
4.52	SURR TFT	130013	0.0543	135.7	0.00		0.0543
6.68	GASOLINE RANGE	1747300	1.0365	-----	0.10		1.0365
		1877313					1.0908

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.42	C6-C7	1213242	1.9253	-----	0.10		1.9253
6.68	C7-C8	534058	0.5225	-----	0.10		0.5225
		1747300					2.4478

S - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\911A007A.TX0

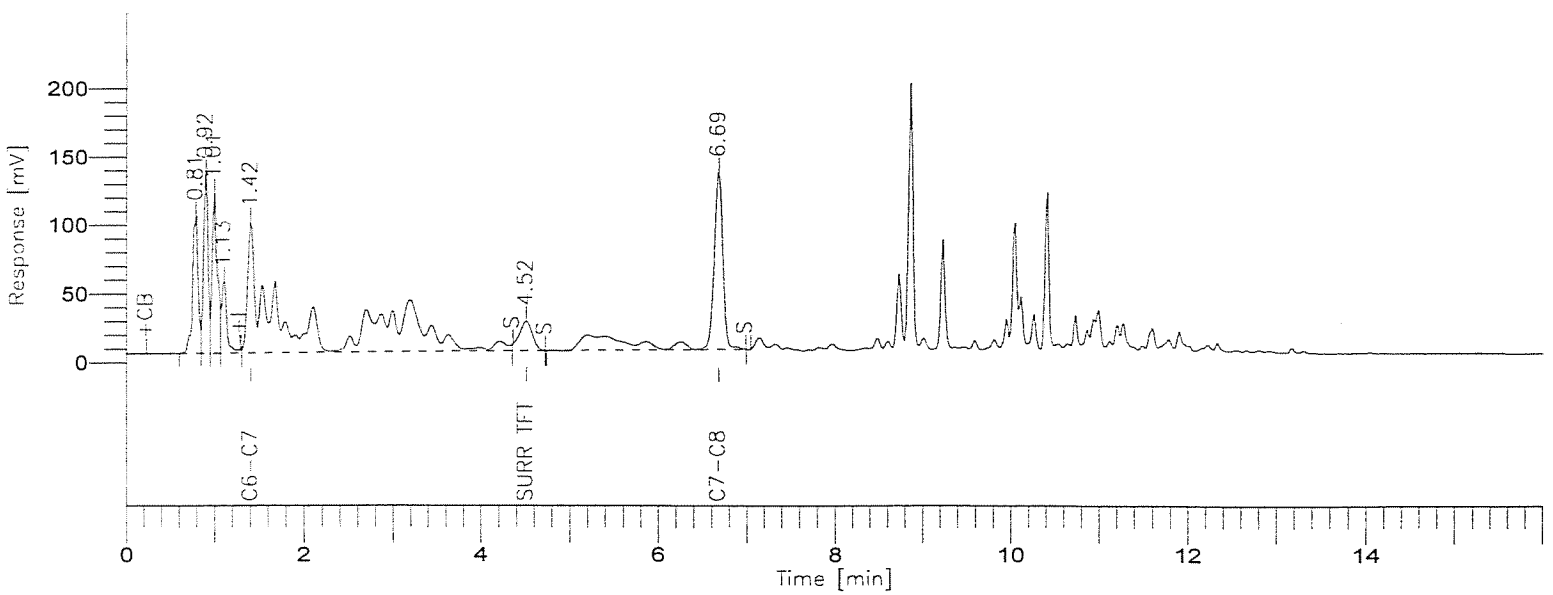
Software Version: 4.1<2F12>
Sample Name : 5000/80PPB GAS /TFT Time : 9/20/00 05:14 PM
Sample Number: GAS ICAL Study : ICAL 9/5/00
(rator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 9/11/00 02:43 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\911A008.RAW
Result File : C:\TC4\GC16AB\911A008A.RST
Inst Method : C:\TC4\GC16AB\METHODS\911GAS from C:\TC4\GC16AB\911A008A.RST
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Sequence File : C:\TC4\GC16AB\911.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
4.52	SURR TFT	219410	0.0732	183.1	0.00		0.0732
6.69	GASOLINE RANGE	4270691	2.5184	-----	0.10		2.5184
		4490101					2.5916

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.42	C6-C7	2951249	4.7107	-----	0.10		4.7107
6.69	C7-C8	1319442	1.2504	-----	0.10		1.2504
		4270691					5.9612

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\911A008A.TX0

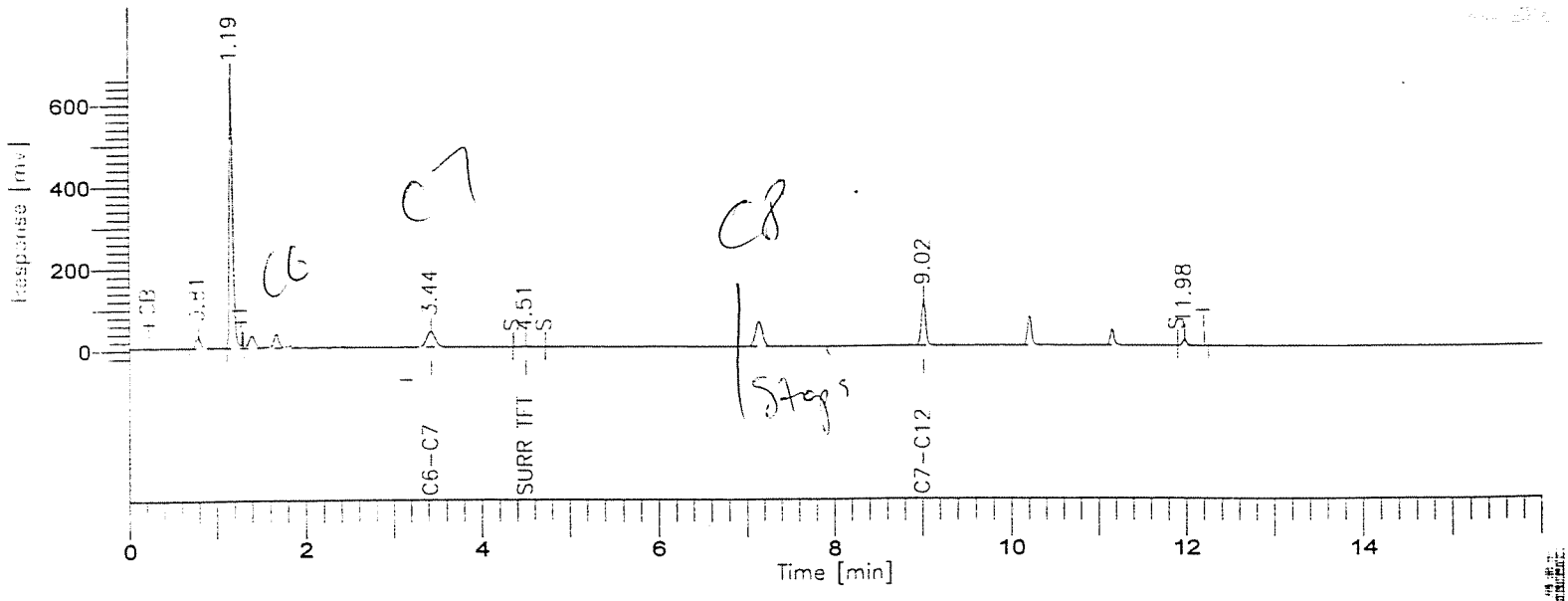
Software Version: 4.1<2F12>
Sample Name : RT MARKER 9/5/00 Time : 9/11/00 12:04 PM
Sample Number: RT MARKER Study :
O rator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 9/11/00 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\911A002.RAW
Result File : C:\TC4\GC16AB\911A002.RST
Inst Method : C:\TC4\GC16AB\METHODS\911GAS from C:\TC4\GC16AB\911A002.RST
Proc Method : C:\TC4\GC16AB\METHODS\911GAS
Calib Method : C:\TC4\GC16AB\METHODS\911GAS
Sequence File : C:\TC4\GC16AB\911.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]	STD Results (ppm)	STD Level (ppm)	STD % D
4.51	SURR TFT	7500	0.0000	0.0400	#####
9.02	GASOLINE RANGE	1712553	1.1706	1.0000	17.1
		1720053			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
3.44	C6-C7	619425	1.0944	1.0000	9.4
9.02	C7-C12	1093127	1.2179	1.0000	21.8
		1712553			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC16AB\911A002.TX0

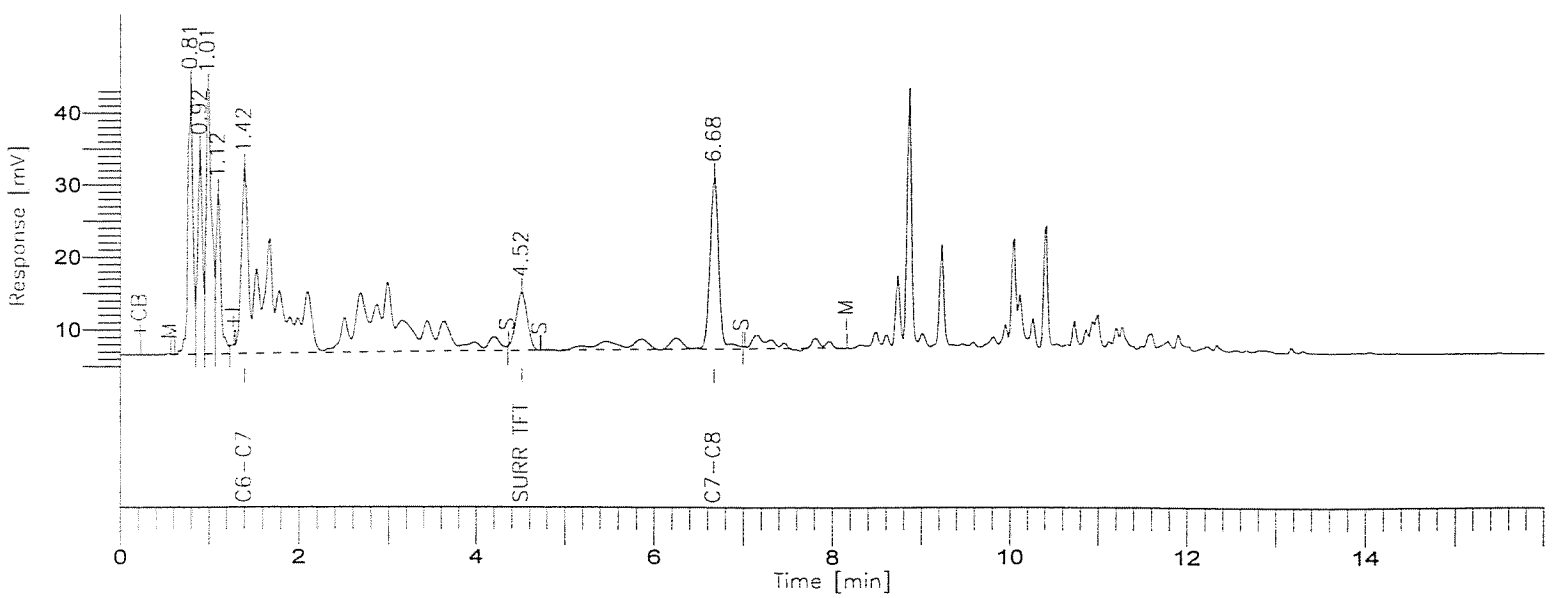
Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE VERIF Time : 9/20/00 05:25 PM
Sample Number: 2ND SOURCE Study : GAS 2ND SOURCE
Operator :

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

Interface Serial # : 2346570928 Data Acquisition Time: 9/11/00 03:11 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC16AB\911A009.RAW
Result File : C:\WINDOWS\TEMP\~RST0772.RST
Inst Method : C:\TC4\GC16AB\METHODS\911GAS from C:\WINDOWS\TEMP\~RST0772.RS
Proc Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Calib Method : C:\TC4\GC16AB\METHODS\911C6-C8.MTH
Sequence File : C:\TC4\GC16AB\911.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]	STD Results (ppm)	STD Level (ppm)	STD % D
1.42	GASOLINE RANGE	994838	1.1469	1.0000	14.7
4.52	SURR TFT	70718	0.0381	0.0400	-4.8
		1065556			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.42	C6-C7	778147	1.2928	1.0000	29.3
6.68	C7-C8	216691	0.8222	1.0000	-17.8
		994838			

STL - LOS ANGELES

Report stored in ASCII file: C:\WINDOWS\TEMP\~RST0772.TX0

TEPH

LEVEL III

C8 TO C40+

BOE-C6-0163622

TEPH

SAMPLE AND QC DATA

C8 → C40

Date(s) Analyzed: 11-14-03

Instrument ID: GC1 GC2 GC3

Lab #: E052703A

Batch #: 0304501

Samples: B, C, 1, 1S, 1D, 2

EXTRACTION NOTES

BOE-C6-0163624

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/30/00
Time: 16:35:01

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 AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 355979 Cornelia Apahidean

Concentrationist: 355979 Cornelia Apahidean

****
* QC BATCH: 0304501 *
****

PREP DATE: 10/30/00
COMP DATE: 10/30/00

Reviewer/Date: APAHIDEC / 10/30/00

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
11/10/00	11/02/00	E0J270306-001 DN0TG-1-AC	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270306-001 DN0TG-1-A1S	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270306-001 DN0TG-1-A2D	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270306-002 DN0TK-1-AD	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-003 DN00H-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-004 DN00K-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-005 DN00L-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

BOE-C6-0163625

00004

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/30/00
Time: 16:35:01

QC BATCH: 0304501

PREP DATE: 10/30/00
COMP DATE: 10/30/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJT	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
11/10/00	11/02/00	E0J270318-006 DN00M-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-007 DN00P-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-008 DN00R-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-009 DN00T-1-AA	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-011 DN00W-1-AC	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-012 DN001-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-013 DN002-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-014 DN003-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-015 DN004-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-016 DN005-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

50200

BOE-C6-0163626

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/30/00
Time: 16:35:01

QC BATCH: 0304501

PREP DATE: 10/30/00
COMP DATE: 10/30/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJT	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
11/10/00	11/02/00	E0J270318-017 DN006-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-018 DN008-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-019 DN009-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-020 DN01A-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	11/02/00	E0J270318-021 DN01C-1-AE	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	0/00/00	E0J300000-501 DN3HX-1-AAB		0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
11/10/00	0/00/00	E0J300000-501 DN3HX-1-ACC		0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

SPKD BY: CA MECL2/23272 NA2SO4/8024
METHOD: SOLID/SOLVENT EXTRACTION (AUTO SHAKER).
RELINQUISHED BY/DATE: CM 10-31-00 RECEIVED BY/DATE: 10-31-00

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 24

000206

BOE-C6-0163627

Turbochrom Sequence File : C:\TC4\DATA_3\N13.SEQ
Created by : EM on : 11/13/00 12:53 PM
Edited by : EC on : 11/14/00 02:51 PM
Description :

Number of Times Edited : 5

Sequence File Header Information:

Number of Rows : 117
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 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Std Check	#TEPH00-208 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	K090215-MB	DPN1G1AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	K090215-LCS	DPN1G1ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
8	Sample	K090215-LCD	DPN1G1ADL	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	K090215-01 50X	DPLW71AW	ICAL 9/27/	1.000	1.000	1.000	50.000	5.000	1.000	0.000	100.000
10	Sample	MELC2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	250276-MB	DN0F51AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	250276-LCS	DN0F51ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	250276-01	DNRCJ1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Sample	250276-01 MS	DNRCJ1A0S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	250276-01 MSD	DNRCJ1A1D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
16	Sample	250276-02	DNRCN1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Std Check	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Std Check	#TEPH00-208 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	250276-03	DNRCP1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	250276-04	DNRCQ1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	250276-05	DNRCR1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	250276-06	DNRCT1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	250276-07	DNRW1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	250276-09	DNRC01AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	250276-11	DNRC31AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	250276-12	DNRC41AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	250276-13	DNRC51AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	250276-15	DNRC81AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Std Check	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Std Check	#TEPH00-208 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	250276-16	DNRC91AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	250276-17	DNRDA1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	250276-18	DNRDC1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	250276-20	DNRDE1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	250276-22	DNDG1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	270306-MB	DN3HX1AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	270306-LCS	DN3HX1ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	270306-01	DN0TG1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	270306-01 MS	DN0TG1A1S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	270306-01 MSD	DN0TG1A2D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	270306-02	DN0TK1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Std Check	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	#TEPH00-208 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	270318-03	DN00H1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	270318-04	DN00K1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	270318-05	DN00L1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	270318-06	DN00M1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	270318-07	DN00P1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	270318-08	DN00R1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	270318-09	DN00T1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	270318-11	DN00W1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	270318-12	DN0011AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	270318-13 5X	DN0021AE	ICAL 9/27/	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
58	Std Check	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Std Check	#TEPH00-208 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

11/07/00

61	Sample	270318-14	DN0031AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
62	Sample	270318-15	DN0041AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	270318-16	DN0051AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	270318-17	DN0061AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	270318-18	DN0081AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	270318-19	DN0091AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	270318-20	DN01A1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	270318-21	DN01C1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Std Check	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Std Check	#TEPH00-208 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Sample	270318-23	DN01F1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
73	Sample	270318-24	DN01G1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample	270318-25	DN01J1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample	270318-26	DN01K1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample	270318-27	DN01L1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample	270318-28	DN01M1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample	270318-MB	DN4RL1AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
80	Sample	270318-LCS	DN4RL1ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
81	Sample	270318-LCD	DN4RL1ADL	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
82	Sample	270318-02	DN0X81A0	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1036.000	0.000	100.000
83	Std Check	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
85	Std Check	#TEPH00-208 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
91	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
93	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
94	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
95	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
96	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
98	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
101	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
102	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
105	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
107	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
108	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
109	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
110	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
111	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
112	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
113	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
114	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
115	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
116	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
117	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : #TEPH00-205 DIESEL STD Time : 11/15/00 01:30 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 02:31 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

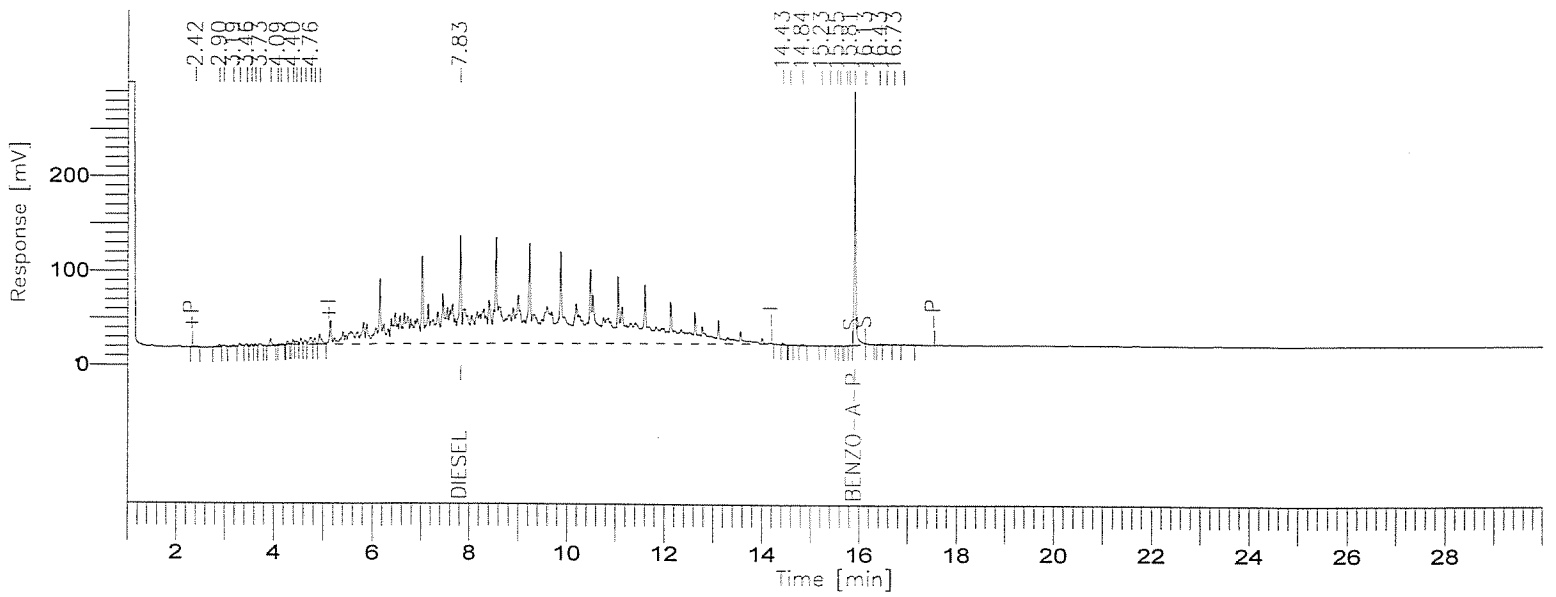
Raw Data File : C:\TC4\DATA_3\N13_031.RAW
Result File : C:\TC4\DATA_3\N13_031.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_031.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_031.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_031.RST
Sequence File : C:\TC4\DATA_3\N13.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: 36



000209

BOE-C6-0163630

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.416		6414	0.0064	------	----------
2.902		10204	0.0102	------	----------
2.991		7210	0.0072	------	----------
3.188		8514	0.0085	------	----------
3.317		11152	0.0112	------	----------
3.455		8929	0.0089	------	----------
3.552		7492	0.0075	------	----------
3.634		5219	0.0052	------	----------
3.729		8920	0.0089	------	----------
3.947		24042	0.0240	------	----------
4.088		3307	0.0033	------	----------
4.152		8453	0.0085	------	----------
4.290		9548	0.0095	------	----------
4.401		10584	0.0106	------	----------
4.467		10831	0.0108	------	----------
4.556		15188	0.0152	------	----------
4.646		13349	0.0133	------	----------
4.759		29678	0.0297	------	----------
4.839		16856	0.0169	------	----------
4.936		40458	0.0405	------	----------
7.833	DIESEL	11383930	1165.4822	1000.0	16.55
14.433		4959	0.0050	------	----------
14.583		582	0.0006	------	----------
14.836		3246	0.0032	------	----------
15.231		607	0.0006	------	----------
15.404		1485	0.0015	------	----------
15.554		1282	0.0013	------	----------
15.612		1411	0.0014	------	----------
15.751		252	0.0003	------	----------
15.814		2368	0.0024	------	----------
15.917	BENZO-A-PYRENE	560468	62.9683	50.0	25.94
16.133		6077	0.0061	------	----------
16.429		3619	0.0036	------	----------
16.567		2872	0.0029	------	----------
16.731		2573	0.0026	------	----------
16.920		2916	0.0029	------	----------
		12234994	1228.7411		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_031.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-208 RT MARKER
Sample Number: 30 PPM
Operator :

Time : 11/15/00 01:30 PM
Study : ICAL 9/30/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 03:11 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\N13_032.RAW
Result File : C:\TC4\DATA_3\N13_032.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\N13_032.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\N13_032.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\N13_032.RST
Sequence File : C:\TC4\DATA_3\N13.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

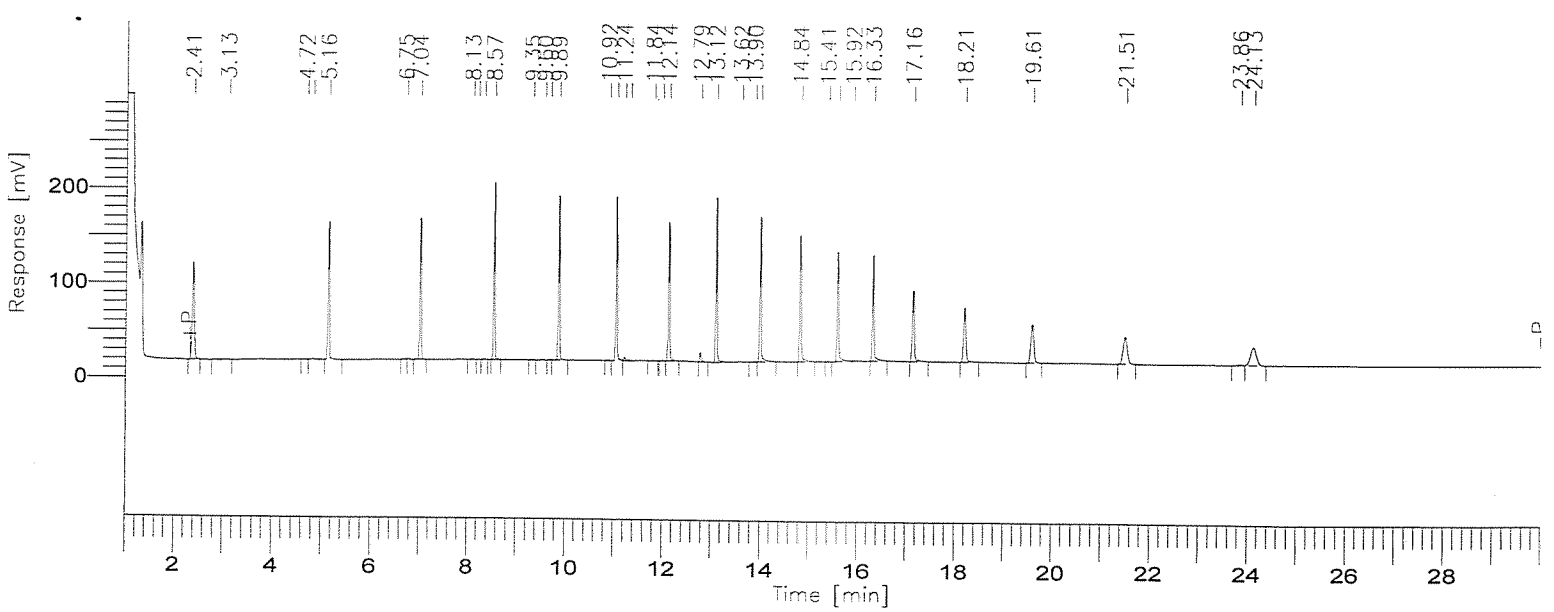
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 38



000212

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	330447	30.2411	30.0	0.80
6.075	C10-C11	340895	29.0888	30.0	-3.04
7.769	C12-C13	344255	27.6767	30.0	-7.74
9.181	C14-C15	344002	28.1492	30.0	-6.17
10.441	C16-C17	344880	28.3278	30.0	-5.57
11.579	C18-C19	355846	29.2512	30.0	-2.50
13.051	C20-C23	704474	29.6736	30.0	-1.09
14.784	C24-C27	632989	29.1610	30.0	-2.80
16.357	C28-C31	536498	29.6100	30.0	-1.30
18.348	C32-C35	427599	32.0968	30.0	6.99
21.815	C36-C39	370588	36.2875	30.0	20.96
27.034	C40+	161865	38.1400	30.0	27.13
		4894337	367.7036		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.405		320527	0.3205	------	----------
3.127		6598	0.0066	------	----------
4.715		609	0.0006	------	----------
4.838		2714	0.0027	------	----------
		330447	0.3304		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.160		339816	0.3398	------	----------
6.746		1079	0.0011	------	----------
		340895	0.3409		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.041		339699	0.3397	------	----------
8.129		2143	0.0021	------	----------
8.235		478	0.0005	------	----------
8.362		1935	0.0019	------	----------
		344255	0.3443		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.565		340692	0.3407	------	----------
9.347		1362	0.0014	------	----------
9.596		867	0.0009	------	----------
9.712		1080	0.0011	------	----------
		344002	0.3440		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.887		343493	0.3435	------	----------
10.915		1387	0.0014	------	----------
		344880	0.3449		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.070		343289	0.3433	------	----------
11.237		8092	0.0081	------	----------
11.346		1197	0.0012	------	----------
11.835		1360	0.0014	------	----------
12.001		1908	0.0019	------	----------
		355846	0.3558		

Group Report For : C20-C23

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
12.141		341133	0.3411	------	----------
12.792		24655	0.0247	------	----------
13.117		335869	0.3359	------	----------
13.624		2177	0.0022	------	----------
13.895		640	0.0006	------	----------
		704474	0.7045		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.014		324753	0.3248	------	----------
14.838		306872	0.3069	------	----------
15.405		1364	0.0014	------	----------
		632989	0.6330		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.606		281315	0.2813	------	----------
15.922		5459	0.0055	------	----------
16.333		249724	0.2497	------	----------
		536498	0.5365		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.159		225558	0.2256	------	----------
18.213		202040	0.2020	------	----------
		427599	0.4276		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.610		186435	0.1864	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
21.509		179366	0.1794	------	----------
23.855		4787	0.0048	------	----------
		370588	0.3706		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.129		161865	0.1619	------	----------
		161865	0.1619		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

SFL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_032.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-205 DIESEL STD Time : 11/15/00 12:46 AM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 11/15/00 12:16 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

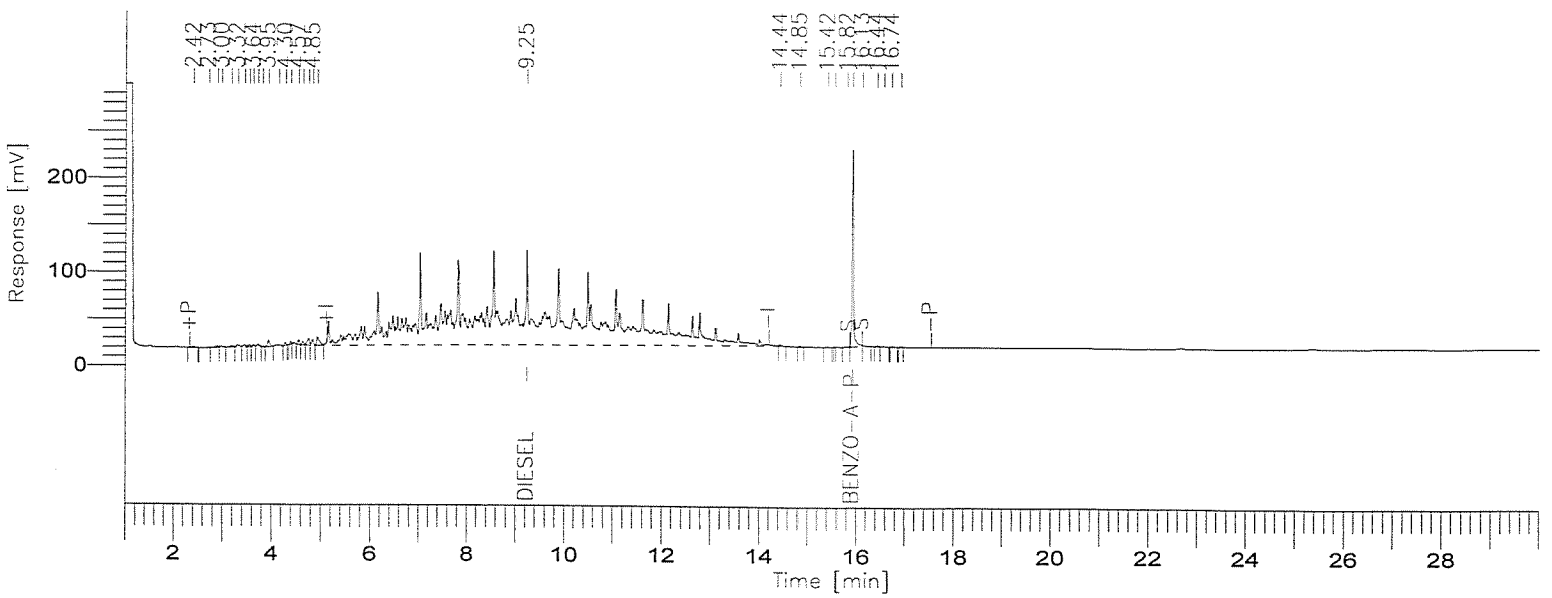
Raw Data File : C:\TC4\DATA_3\N13_046.RAW
Result File : C:\TC4\DATA_3\N13_046.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_046.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\N13.SEQ

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: 32



000217

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.420		5866	0.0059	------	----------
2.732		1356	0.0014	------	----------
2.909		7777	0.0078	------	----------
2.999		6340	0.0063	------	----------
3.197		8222	0.0082	------	----------
3.324		11279	0.0113	------	----------
3.462		10174	0.0102	------	----------
3.560		7808	0.0078	------	----------
3.642		6366	0.0064	------	----------
3.736		10230	0.0102	------	----------
3.829		1298	0.0013	------	----------
3.953		21688	0.0217	------	----------
4.163		11535	0.0115	------	----------
4.299		8780	0.0088	------	----------
4.409		6236	0.0062	------	----------
4.566		10760	0.0108	------	----------
4.652		10793	0.0108	------	----------
4.765		24632	0.0246	------	----------
4.848		16195	0.0162	------	----------
4.946		37938	0.0379	------	----------
9.251	DIESEL	10497882	1074.7690	1000.0	7.48
14.441		6254	0.0063	------	----------
14.847		2540	0.0025	------	----------
15.415		1421	0.0014	------	----------
15.566		692	0.0007	------	----------
15.820		2412	0.0024	------	----------
15.929	BENZO-A-PYRENE	494947	55.6071	50.0	11.21
16.133		5744	0.0057	------	----------
16.438		2882	0.0029	------	----------
16.579		2085	0.0021	------	----------
16.739		1733	0.0017	------	----------
16.933		1324	0.0013	------	----------
		11245188	1130.6285		

ıssing 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\N13_046.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-208 RT MARKER Time : 11/15/00 01:24 AM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 11/15/00 12:54 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

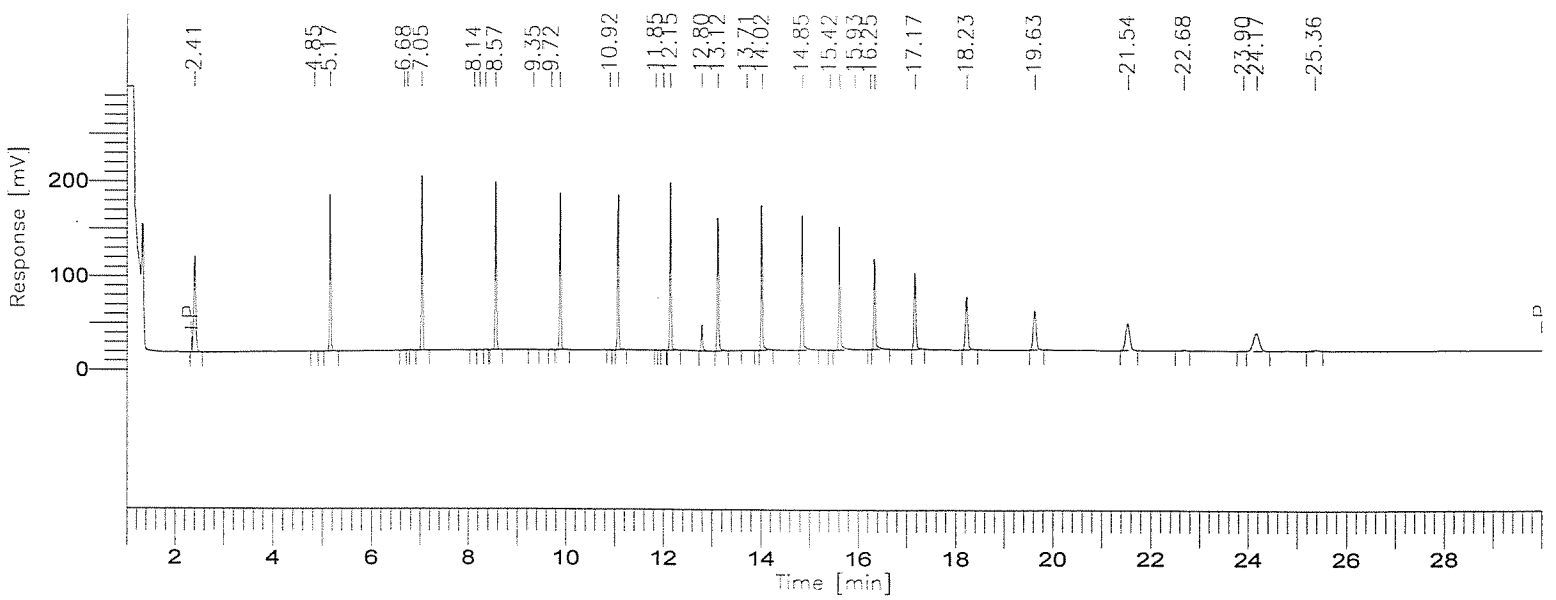
Raw Data File : C:\TC4\DATA_3\N13_047.RAW
Result File : C:\TC4\DATA_3\N13_047.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\N13_047.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\N13.SEQ

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: 36



000220

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	313438	28.6845	30.0	-4.38
6.075	C10-C11	331365	28.2756	30.0	-5.75
7.769	C12-C13	337248	27.1134	30.0	-9.62
9.181	C14-C15	336050	27.4985	30.0	-8.34
10.441	C16-C17	338912	27.8376	30.0	-7.21
11.579	C18-C19	338096	27.7921	30.0	-7.36
13.051	C20-C23	721634	30.3964	30.0	1.32
14.784	C24-C27	622426	28.6744	30.0	-4.42
16.357	C28-C31	530730	29.2916	30.0	-2.36
18.348	C32-C35	416879	31.2921	30.0	4.31
21.815	C36-C39	372658	36.4902	30.0	21.63
27.034	C40+	173814	40.9556	30.0	36.52
		4833250	364.3020		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.413		311754	0.3118	------	----------
4.848		1684	0.0017	------	----------
		313438	0.3134		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.167		330446	0.3304	------	----------
6.682		532	0.0005	------	----------
6.752		387	0.0004	------	----------
		331365	0.3314		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.049		333678	0.3337	------	----------
8.136		862	0.0009	------	----------
8.248		685	0.0007	------	----------
8.367		2023	0.0020	------	----------
		337248	0.3372		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.569		334190	0.3342	------	----------
9.352		789	0.0008	------	----------
9.717		1071	0.0011	------	----------
		336050	0.3360		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.896		337820	0.3378	------	----------
10.918		1092	0.0011	------	----------
		338912	0.3389		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.079		335628	0.3356	------	----------
11.848		366	0.0004	------	----------
12.011		2102	0.0021	------	----------
		338096	0.3381		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.149		335865	0.3360	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.799		57835	0.0578	------	----------
13.123		326685	0.3267	------	----------
13.714		1149	0.0011	------	----------
		721634	0.7216		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.019		316956	0.3170	------	----------
14.848		304343	0.3043	------	----------
15.416		1127	0.0011	------	----------
		622426	0.6224		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.616		277634	0.2776	------	----------
15.932		4669	0.0047	------	----------
16.251		420	0.0004	------	----------
16.340		248007	0.2480	------	----------
		530730	0.5307		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.169		217358	0.2174	------	----------
18.228		199521	0.1995	------	----------
		416879	0.4169		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.631		185070	0.1851	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
1.536		177936	0.1779	------	----------
22.680		5305	0.0053	------	----------
23.897		4347	0.0043	------	----------
		372658	0.3727		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.170		162672	0.1627	------	----------
25.355		11142	0.0111	------	----------
		173814	0.1738		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_047.TX0

Lot/Sample: E0J300000-501B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DN3HX-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 11/14/00
Inject Time..: 19:45 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: N13_039
Instr ID: G03 Column: ID: .00
Sampling date.....:10/27/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/11/16 16:21:10
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/30/00
QC Batch.....: 0304501
MS Run Number:
Prep Time....: 11:00-15:00
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: TEPH1566-2SCS/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	12.356	98.8512		

Software Version: 4.1<2F12>
Sample Name : 270306-MB
Sample Number: DN3HX1AAB
Operator :

Time : 11/15/00 01:46 PM
Study : ICAL 9/30/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 07:45 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

e - chain

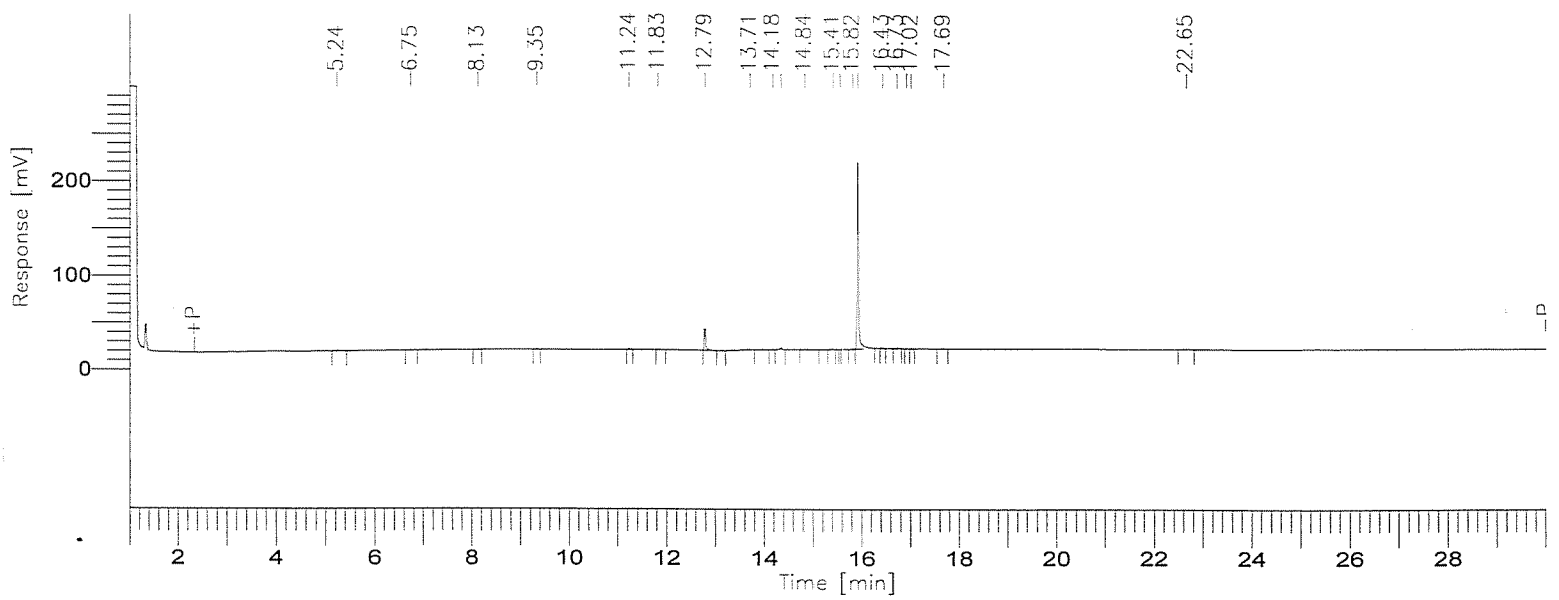
Raw Data File : C:\TC4\DATA_3\N13_039A.RAW
Result File : C:\TC4\DATA_3\N13_039A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_039A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\N13A.SEQ

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: 21



000226

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	0	0.0000	-------	10.0	
6.07	C10-C11	2309	0.0493	-------	10.0	
7.77	C12-C13	844	0.0170	-------	10.0	
9.18	C14-C15	594	0.0122	-------	10.0	
10.44	C16-C17	0	0.0000	-------	10.0	
11.58	C18-C19	3850	0.0791	-------	10.0	
13.05	C20-C23	62450	0.6576	-------	10.0	
14.78	C24-C27	9196	0.1059	-------	10.0	
16.36	C28-C31	451750	6.2332	-------	10.0	
18.35	C32-C35	1246	0.0234	-------	10.0	
21.82	C36-C39	3544	0.0868	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		535785	7.2643			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.24		1439	0.0004	-------	10.0	
6.75		870	0.0002	-------	10.0	
		2309	0.0006			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.13		844	0.0002	-------	10.0	

	844	0.0002	

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.35		594	0.0001	-------	10.0	
		594	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
11.24		2518	0.0006	-------	10.0	
11.83		1332	0.0003	-------	10.0	
		3850	0.0010			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.79		57583	0.0144	-------	10.0	
13.71		4868	0.0012	-------	10.0	
		62450	0.0156			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.18		782	0.0002	-------	10.0	
14.35		5256	0.0013	-------	10.0	
14.84		1372	0.0003	-------	10.0	
15.41		1395	0.0003	-------	10.0	
15.56		391	0.0001	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		9196	0.0023			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.82		2613	0.0007	-------	10.0	
15.92		443193	0.1108	-------	10.0	
16.43		2372	0.0006	-------	10.0	
16.73		1969	0.0005	-------	10.0	
16.93		797	0.0002	-------	10.0	
17.02		806	0.0002	-------	10.0	
		451750	0.1129			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.69		1246	0.0003	-------	10.0	
		1246	0.0003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
22.65		3544	0.0009	-------	10.0	
		3544	0.0009			

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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S.. - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\N13_039A.TX0

Software Version: 4.1<2F12>
Sample Name : 270306-MB Time : 11/14/00 08:14 PM
Sample Number: DN3HX1AAB Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 07:45 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

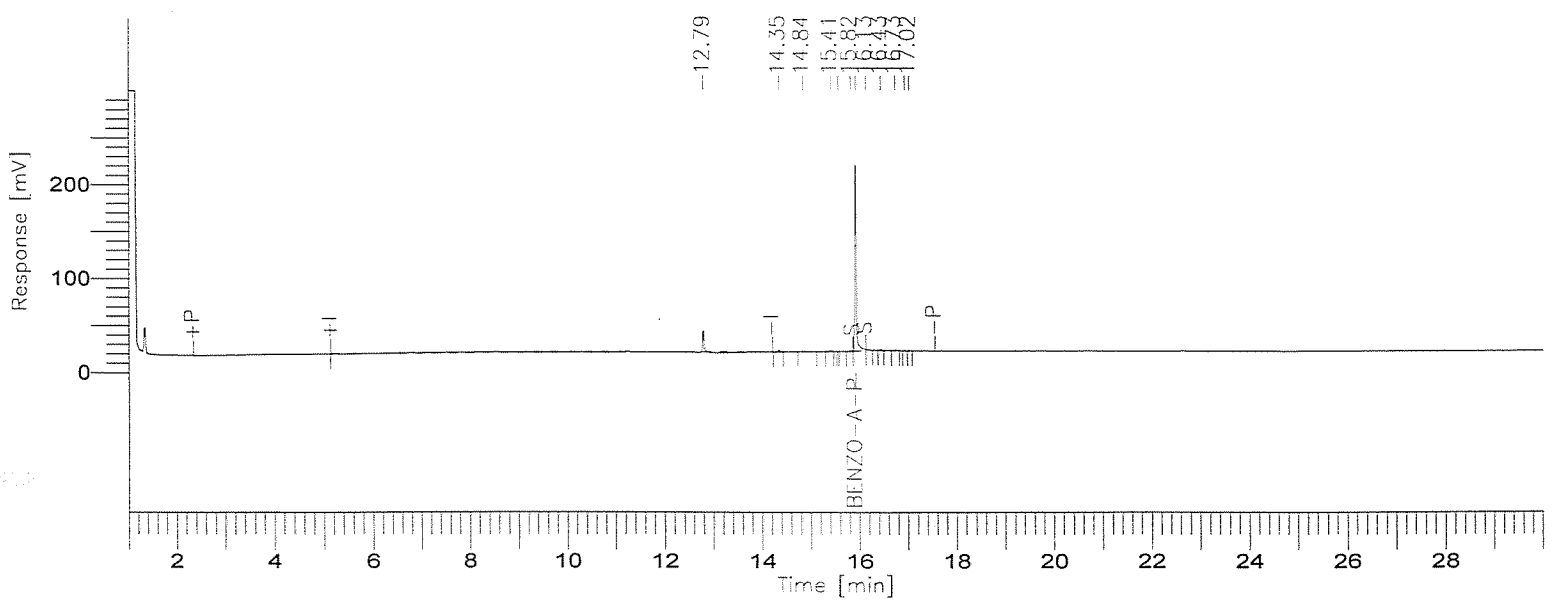
Raw Data File : C:\TC4\DATA_3\N13_039.RAW
Result File : C:\TC4\DATA_3\N13_039.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_039.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\N13.SEQ

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: 12



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.62	DIESEL	0	0.0000	-------	10.0	
15.92	BENZO-A-PYRENE	439926	12.3564	98.85	10.0	
		439926	12.3564			

Missing Component Report

Component	Expected Retention (Calibration File)
DIESEL	7.618

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_039.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 11/16/2000
Time 15:21:42

Lot/Sample: E0J300000-501C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DN3HX-1-AC Est. Results: Sig Fig Alg...:
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 11/14/00
Inject Time..: 20:24 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: N13_040
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/27/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/30 16:30:24
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/30/00
QC Batch.....: 0304501
MS Run Number:
Prep Time....: 11:00-11:00
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....: TEPH1564-2DCS/5000PPM/1M
Surrogate: TEPH1566-2SCS/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	261.5160	104.6	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	14.239	113.9192		NA

Software Version: 4.1<2F12>
Sample Name : 270306-LCS
Sample Number: DN3HX1ACC
Operator :

Time : 11/15/00 01:36 PM
Study : ICAL 9/27/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 08:24 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

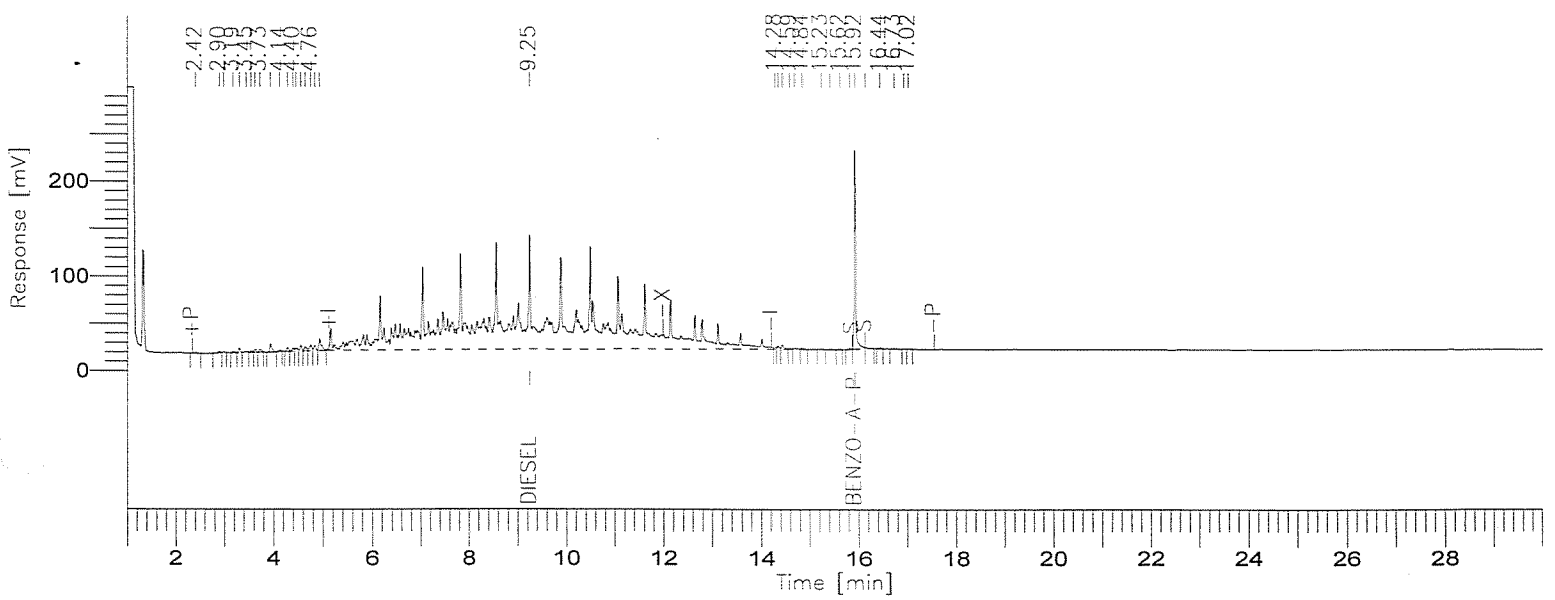
Raw Data File : C:\TC4\DATA_3\N13_040.RAW
Result File : C:\TC4\DATA_3\N13_040.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_040.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_040.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_040.RST
Sequence File : C:\TC4\DATA_3\N13.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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.250	DIESEL	10217505	261.5160	250.0000	104.61	
15.922	BENZO-A-PYRENE	506985	14.2399	12.5000	113.92	
		10724491				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_040.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 11/16/2000
Time 15:24:37

Lot/Sample: E0J270306-001 SOURCE-C-1-1027 TICs.....: N Report Results: Y
WO#.....: DN0TG-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 11/14/00
Inject Time..: 21:02 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: N13_041
Instr ID: G03 Column: ID: .00
Sampling date.....:10/27/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/11/16 16:23:42
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/30/00
QC Batch.....: 0304501
MS Run Number: 0304283
Prep Time....: 11:00-15:00
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: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
04490	Diesel Range Organics (	*		NA	10			NA
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			5.9297	10	5	J	J
05124	C16-C17			5.0797	10	5	J	J
05125	C18-C19			5.1294	10	5	J	J
05201	C20-C23			8.0141	10	5	J	J
05202	C24-C27			10.0634	10	5		
05203	C28-C31			14.9502	10	5		
05204	C32-C35			29.8632	10	5		
05205	C36-C39			29.5751	10	5		
05132	C40+			13.2721	10	5		
05136	Total Carbon Chain Rang			128.8120	10	5		
04980	Diesel Range Organics	*		NA	10	6		NA
05013	Motor Oil Range Organic	*		NA	10	5		NA
03052	TPH (as Diesel)	*		NA	10	6		NA
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: E0J270306-001 SOURCE-C-1-1027 TICs.....: N Report Results: Y
WO#.....: DN0TG-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....:
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	13.254	106.0376		

Notes:

J Estimated result. Result is less than RL.

Software Version: 4.1<2F12>
Sample Name : 270306-01 Time : 11/15/00 01:48 PM
Sample Number: DN0TG1AC Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 09:02 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

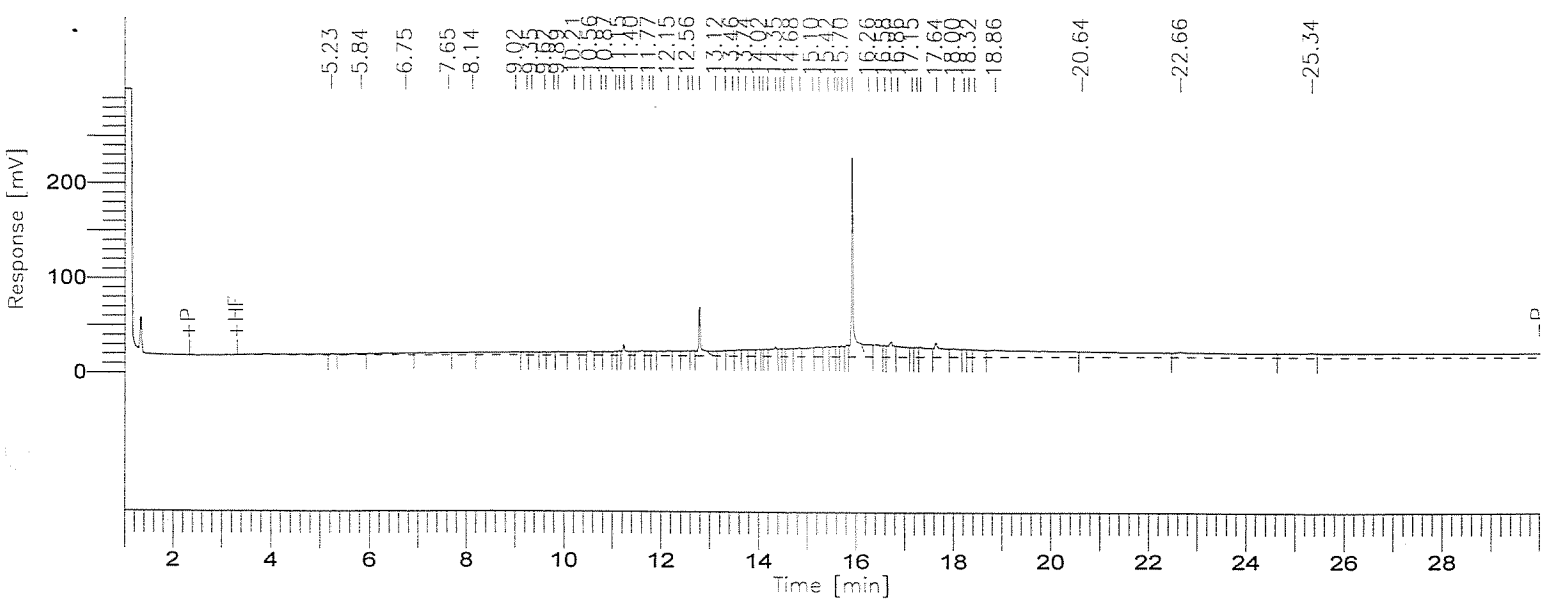
Raw Data File : C:\TC4\DATA_3\N13_041A.RAW
Result File : C:\TC4\DATA_3\N13_041A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_041A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\N13_041A.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\N13_041A.RST
Sequence File : C:\TC4\DATA_3\N13A.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: 67



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	0	0.0000	-------	10.0	
6.07	C10-C11	155508	3.3174	-------	10.0	
7.77	C12-C13	179993	3.6177	-------	10.0	
9.18	C14-C15	289857	5.9297	-------	10.0	
10.44	C16-C17	247374	5.0797	-------	10.0	
11.58	C18-C19	249602	5.1294	-------	10.0	
13.05	C20-C23	761048	8.0141	-------	10.0	
14.78	C24-C27	873775	10.0634	-------	10.0	
16.36	C28-C31	1555435	21.4616	-------	10.0	
18.35	C32-C35	1591371	29.8632	-------	10.0	
21.82	C36-C39	1208151	29.5751	-------	10.0	
27.03	C40+	225306	13.2721	-------	10.0	
		7337420	135.3234			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.23		12544	0.0031	-------	10.0	
5.84		43070	0.0108	-------	10.0	
6.75		99894	0.0250	-------	10.0	
		155508	0.0389			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.65		103605	0.0259	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.14		76388	0.0191	-------	10.0	
		179993	0.0450			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.01		155576	0.0389	-------	10.0	
9.25		30469	0.0076	-------	10.0	
9.35		39655	0.0099	-------	10.0	
9.62		28433	0.0071	-------	10.0	
9.80		35724	0.0089	-------	10.0	
		289857	0.0725			

Group Report For : C16-C17

me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.89		47178	0.0118	-------	10.0	
10.21		50754	0.0127	-------	10.0	
10.41		30891	0.0077	-------	10.0	
10.56		37645	0.0094	-------	10.0	
10.77		36229	0.0091	-------	10.0	
10.87		44677	0.0112	-------	10.0	
		247374	0.0618			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.07		23820	0.0060	-------	10.0	
11.15		21502	0.0054	-------	10.0	
11.24		59827	0.0150	-------	10.0	
11.40		25028	0.0063	-------	10.0	
.62		52362	0.0131	-------	10.0	
11.77		34798	0.0087	-------	10.0	
11.84		32265	0.0081	-------	10.0	
		249602	0.0624			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.15		88475	0.0221	-------	10.0	
12.36		48284	0.0121	-------	10.0	
12.56		59387	0.0148	-------	10.0	
12.65		30764	0.0077	-------	10.0	
12.79		197645	0.0494	-------	10.0	
13.12		45832	0.0115	-------	10.0	
13.31		57945	0.0145	-------	10.0	
13.46		59052	0.0148	-------	10.0	
13.58		57665	0.0144	-------	10.0	
13.74		54143	0.0135	-------	10.0	
13.90		61856	0.0155	-------	10.0	
		761048	0.1903			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.02		50261	0.0126	-------	10.0	
14.08		21931	0.0055	-------	10.0	
14.18		44798	0.0112	-------	10.0	
14.35		97273	0.0243	-------	10.0	
14.44		41141	0.0103	-------	10.0	
14.52		33801	0.0085	-------	10.0	
14.68		82719	0.0207	-------	10.0	
14.84		88496	0.0221	-------	10.0	
15.10		136130	0.0340	-------	10.0	
15.23		109676	0.0274	-------	10.0	
15.42		81834	0.0205	-------	10.0	
15.55		85715	0.0214	-------	10.0	
		873775	0.2184			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].62		54998	0.0137	-------	10.0	
15.70		66738	0.0167	-------	10.0	
15.82		60201	0.0151	-------	10.0	
15.92		697395	0.1743	-------	10.0	
16.26		138029	0.0345	-------	10.0	
16.44		149854	0.0375	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.58		48982	0.0122	-------	10.0	
16.72		155881	0.0390	-------	10.0	
16.85		183357	0.0458	-------	10.0	
		1555435	0.3889			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.15		51126	0.0128	-------	10.0	
17.25		61079	0.0153	-------	10.0	
17.32		162747	0.0407	-------	10.0	
17.64		207159	0.0518	-------	10.0	
18.00		126728	0.0317	-------	10.0	
18.21		49144	0.0123	-------	10.0	
18.32		55814	0.0140	-------	10.0	
18.43		128688	0.0322	-------	10.0	
18.86		748886	0.1872	-------	10.0	
		1591371	0.3978			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.64		601566	0.1504	-------	10.0	
22.66		606585	0.1516	-------	10.0	
		1208151	0.3020			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
25.34		225306	0.0563	-------	10.0	
		225306	0.0563			

Missing Component Report

Component	Expected Retention (Calibration File)

Software Version: 4.1<2F12>
Sample Name : 270306-01 Time : 11/15/00 01:38 PM
Sample Number: DN0TG1AC Study : ICAL 9/27/00
C rator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 09:02 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

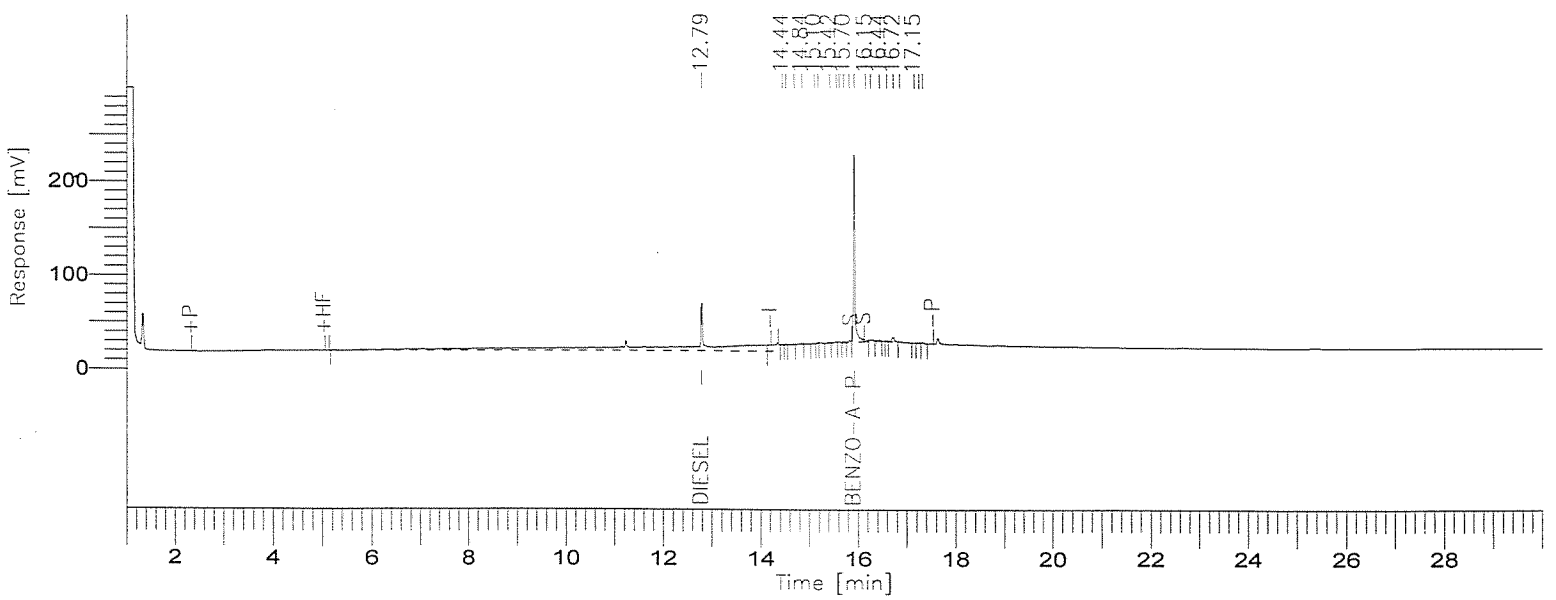
Raw Data File : C:\TC4\DATA_3\N13_041.RAW
Result File : C:\TC4\DATA_3\N13_041.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_041.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_041.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_041.RST
Sequence File : C:\TC4\DATA_3\N13.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
M tiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 22



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.79	DIESEL	1430610	36.6163	-------	10.0	
15.92	BENZO-A-PYRENE	471909	13.2547	106.04	10.0	
		1902519	49.8710			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_041.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 11/16/2000
Time 15:25:55

Lot/Sample: E0J270306-001S SOURCE-C-1-1027 TICs.....: N Report Results: Y
WO#.....: DN0TG-1-A1 Est. Results: Sig Fig Alg...:
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 11/14/00
Inject Time..: 21:41 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: N13_042
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/27/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/30 16:30:26
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/30/00
QC Batch.....: 0304501
MS Run Number: 0304283
Prep Time....: 11:00-11:00
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....: TEPH1564-2DCS/5000PPM/1M
Surrogate: TEPH1566-2SCS/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	255.2318	102.0	1.61		
	Sample amount: NA								
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	14.210	113.684		NA

Software Version: 4.1<2F12>
Sample Name : 270306-01 MS Time : 11/15/00 01:41 PM
Sample Number: DN0TG1A1S Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 09:41 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

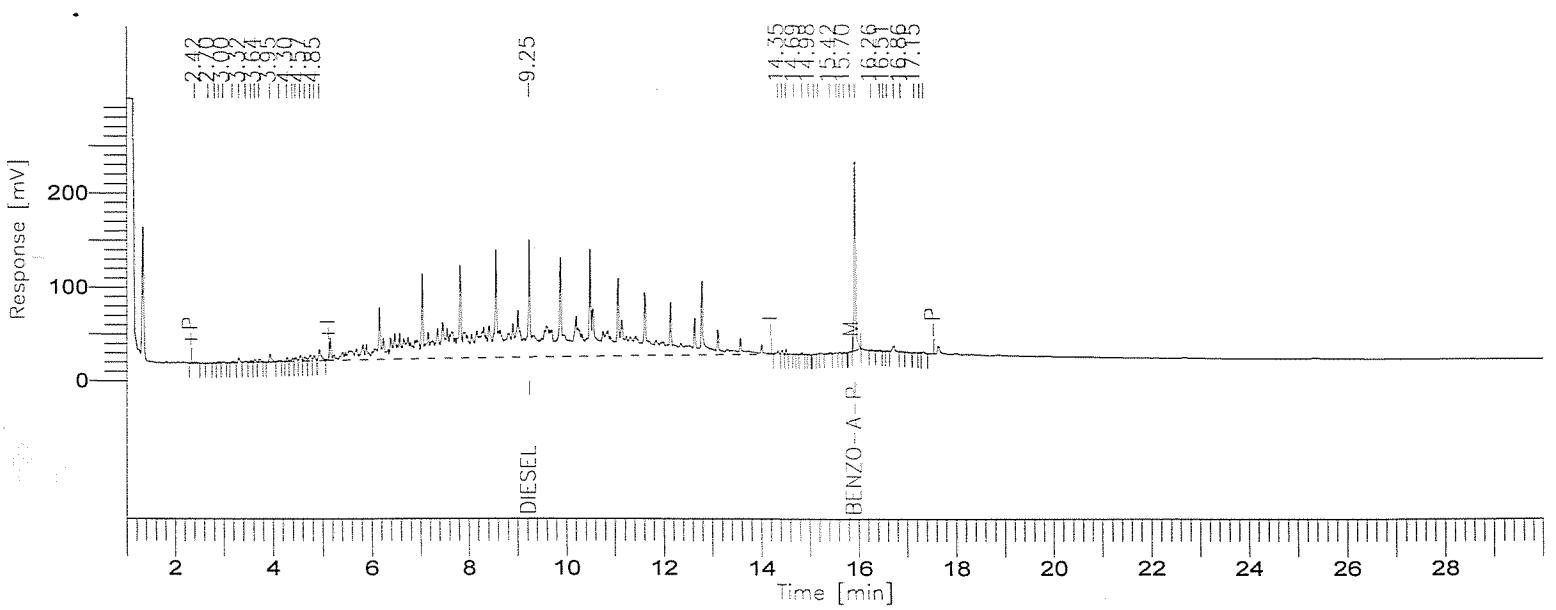
Raw Data File : C:\TC4\DATA_3\N13_042.RAW
Result File : C:\TC4\DATA_3\N13_042.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_042.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_042.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_042.RST
Sequence File : C:\TC4\DATA_3\N13.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: 45



000246

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.251	DIESEL	9971980	255.2318	250.0000	102.09	
15.925	BENZO-A-PYRENE	505940	14.2105	12.5000	113.68	
		10477920				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_042.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 11/16/2000
Time 15:25:55

Lot/Sample: E0J270306-001D SOURCE-C-1-1027 TICs.....: N Report Results: Y
WO#.....: DN0TG-1-A2 Est. Results: Sig Fig Alg...:
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 11/14/00
Inject Time..: 22:20 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: N13_043
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/27/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/30 16:30:27
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/30/00
QC Batch.....: 0304501
MS Run Number: 0304283
Prep Time....: 11:00-11:00
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....: TEPH1564-2DCS/5000PPM/1M
Surrogate: TEPH1566-2SCS/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	251.1431	100.4	1.61		
	Sample amount: NA								
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	15.151	121.2088		NA

Software Version: 4.1<2F12>
Sample Name : 270306-01 MSD
Sample Number: DN0TG1A2D
Operator :

Time : 11/15/00 01:43 PM
Study : ICAL 9/27/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 10:20 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

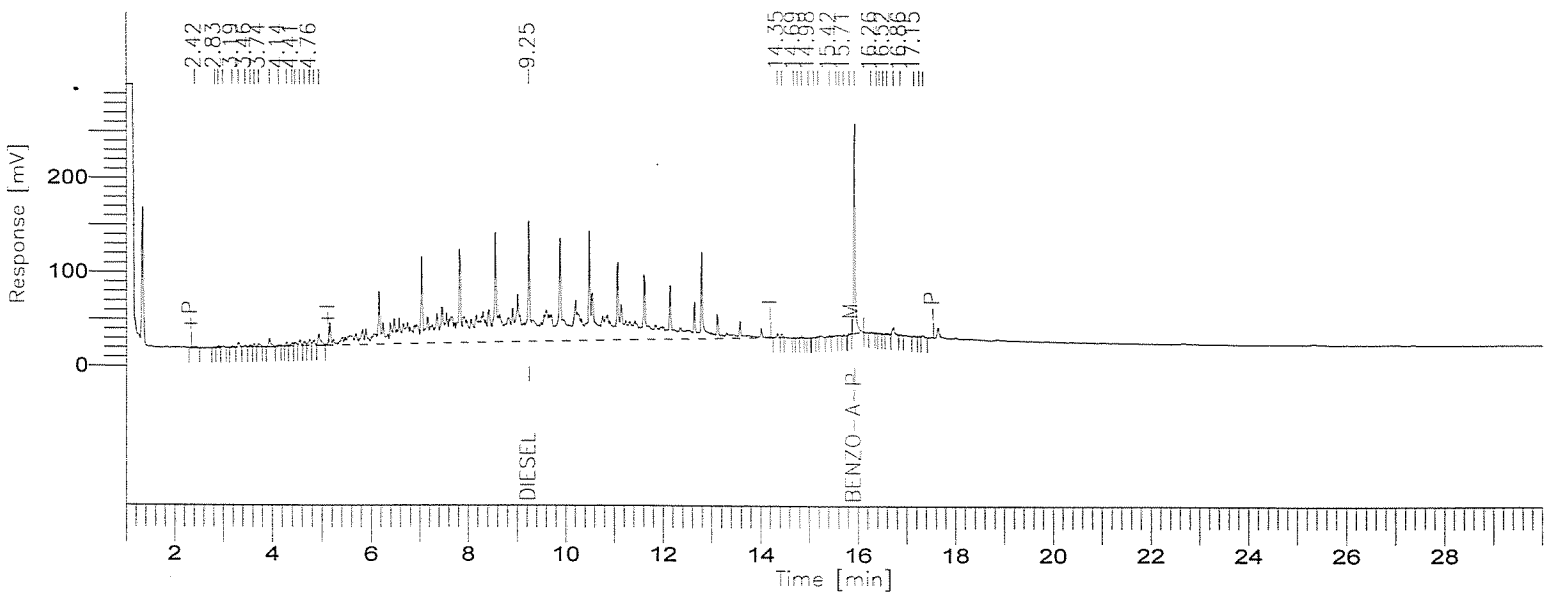
Raw Data File : C:\TC4\DATA_3\N13_043.RAW
Result File : C:\TC4\DATA_3\N13_043.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_043.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_043.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_043.RST
Sequence File : C:\TC4\DATA_3\N13.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: 45



000249

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.251	DIESEL	9812231	251.1431	250.0000	100.46	
15.928	BENZO-A-PYRENE	539428	15.1511	12.5000	121.21	
		10351660				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_043.TX0

Lot/Sample: E0J270306-002 SOURCE-D-1-1027 TICs.....: N Report Results: Y
WO#.....: DN0TK-1-AD Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 11/14/00
Inject Time..: 22:58 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: N13_044
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/27/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/11/16 16:24:36
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/30/00
QC Batch.....: 0304501
MS Run Number: 0304283
Prep Time....: 11:00-15:00
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: TEPH1566-2SCS/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			6.7061	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.628	101.0296		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Severn Trent Laboratories, Inc.
Data Review

Date 11/16/2000
Time 15:24:37

Lot/Sample: E0J270306-002 SOURCE-D-1-1027 TICs.....: N Report Results: Y
WO#.....: DN0TK-1-AD Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 270306-02 Time : 11/15/00 01:46 PM
Sample Number: DN0TK1AD Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 10:58 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

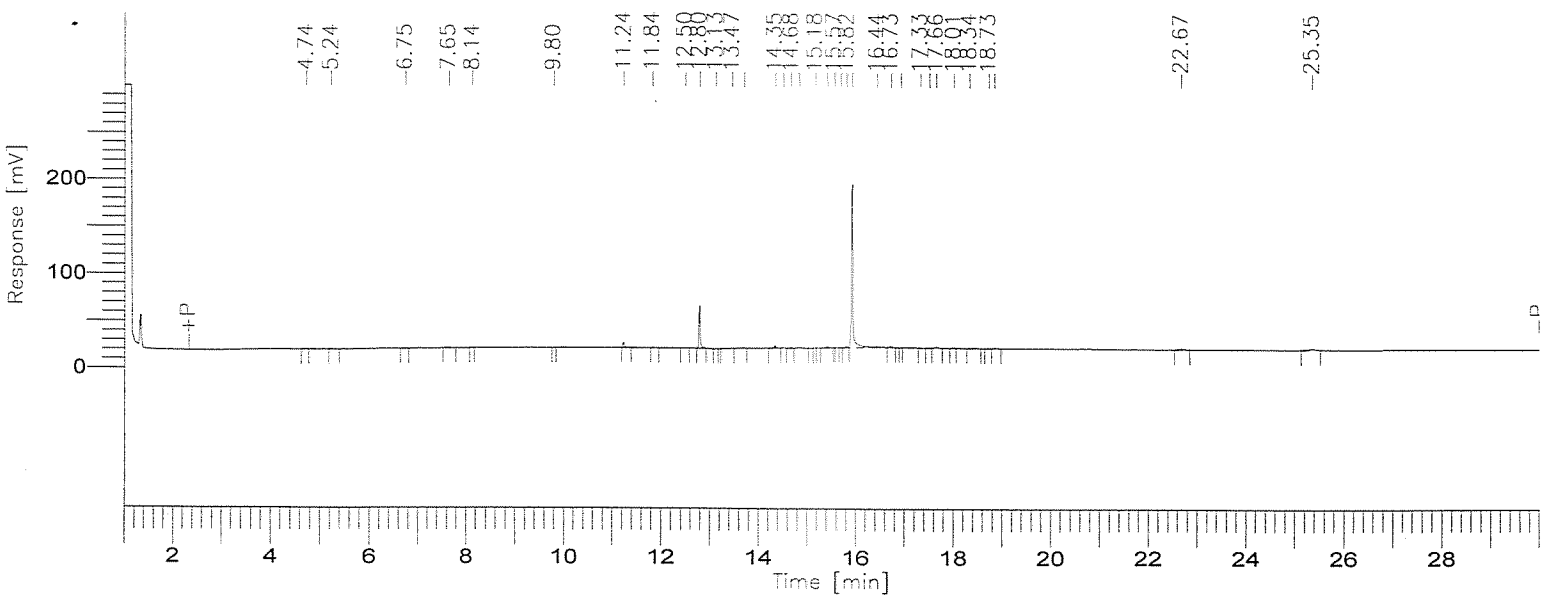
Raw Data File : C:\TC4\DATA_3\N13_044A.RAW
Result File : C:\TC4\DATA_3\N13_044A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_044A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\N13A.SEQ

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: 35



000253

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	444	0.0101	-------	10.0	
6.07	C10-C11	1566	0.0334	-------	10.0	
7.77	C12-C13	1570	0.0316	-------	10.0	
9.18	C14-C15	488	0.0100	-------	10.0	
10.44	C16-C17	0	0.0000	-------	10.0	
11.58	C18-C19	14818	0.3045	-------	10.0	
13.05	C20-C23	98995	1.0425	-------	10.0	
14.78	C24-C27	16821	0.1937	-------	10.0	
16.36	C28-C31	486030	6.7061	-------	10.0	
18.35	C32-C35	14253	0.2675	-------	10.0	
21.82	C36-C39	6032	0.1477	-------	10.0	
27.03	C40+	9559	0.5631	-------	10.0	
		650576	9.3102			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		444	0.0001	-------	10.0	
		444	0.0001			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.23		1152	0.0003	-------	10.0	
6.75		414	0.0001	-------	10.0	
		1566	0.0004			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

7.65	972	0.0002	-------	10.0
14	598	0.0001	-------	10.0
	1570	0.0004		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.80		488	0.0001	-------	10.0	
		488	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
11.24		13102	0.0033	-------	10.0	
11.84		1716	0.0004	-------	10.0	
		14818	0.0037			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.50		782	0.0002	-------	10.0	
12.80		92239	0.0231	-------	10.0	
13.13		495	0.0001	-------	10.0	
13.47		2243	0.0006	-------	10.0	
13.70		3236	0.0008	-------	10.0	
		98995	0.0247			

Group Report For : C24-C27

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
14.35		6713	0.0017	-------	10.0
14.52		1791	0.0004	-------	10.0
14.68		1004	0.0003	-------	10.0
14.84		2674	0.0007	-------	10.0
15.18		538	0.0001	-------	10.0
15.42		3671	0.0009	-------	10.0
15.56		430	0.0001	-------	10.0
		16821	0.0042		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.70		1187	0.0003	-------	10.0	
15.82		3946	0.0010	-------	10.0	
15.93		462896	0.1157	-------	10.0	
16.44		12937	0.0032	-------	10.0	
16.73		4693	0.0012	-------	10.0	
16.93		371	0.0001	-------	10.0	
		486030	0.1215			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.33		814	0.0002	-------	10.0	
17.52		811	0.0002	-------	10.0	
17.66		4249	0.0011	-------	10.0	
18.01		2714	0.0007	-------	10.0	
18.34		2082	0.0005	-------	10.0	
18.73		1484	0.0004	-------	10.0	
18.85		2097	0.0005	-------	10.0	
		14253	0.0036			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
22.67		6032	0.0015	-------	10.0	
		6032	0.0015			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
25.35		9559	0.0024	-------	10.0	
		9559	0.0024			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_044A.TX0

Software Version: 4.1<2F12>
Sample Name : 270306-02 Time : 11/14/00 11:28 PM
Sample Number: DN0TK1AD Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 11/14/00 10:58 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

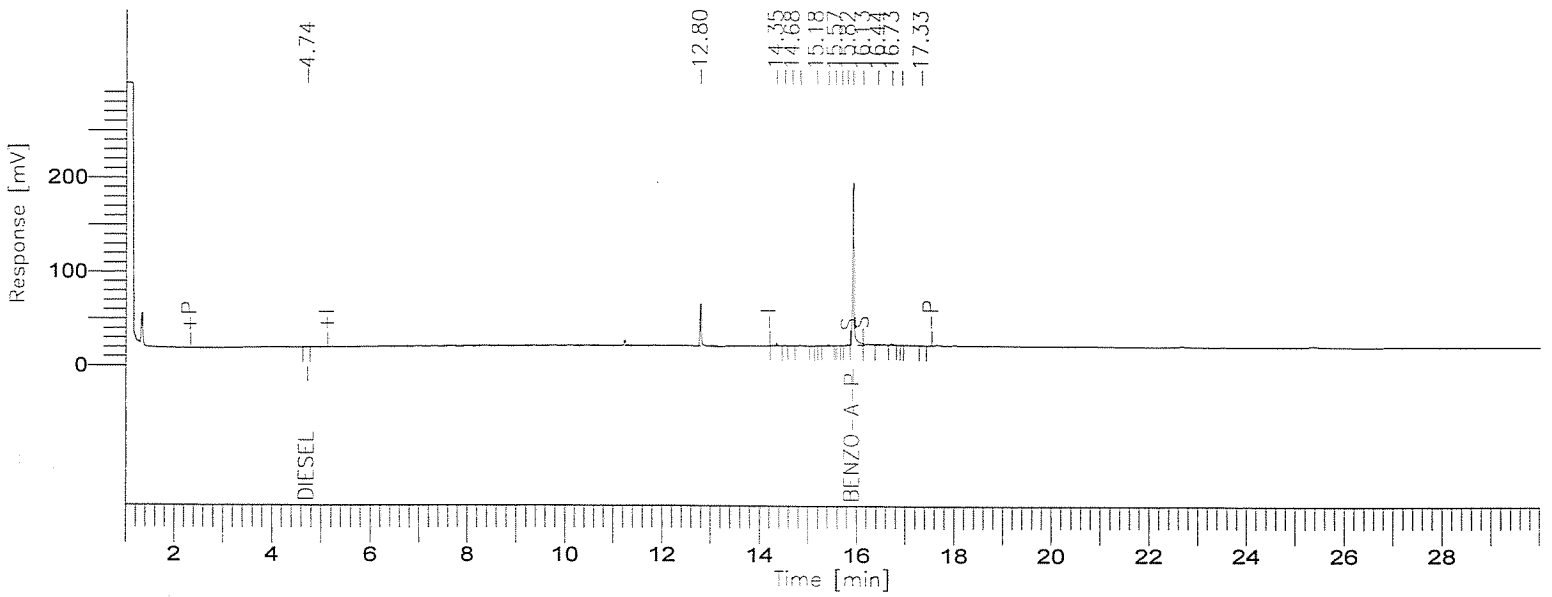
Raw Data File : C:\TC4\DATA_3\N13_044.RAW
Result File : C:\TC4\DATA_3\N13_044.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\N13_044.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\N13.SEQ

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: 17



000258

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74	DIESEL	734	0.0188	-------	10.0	
15.93	BENZO-A-PYRENE	449621	12.6287	101.03	10.0	
		450354	12.6474			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\N13_044.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 9-27-00

Instrument ID: GC3

$C_{10} \rightarrow C_{24}$

BOE-C6-0163681

Turbochrom Method File : C:\TC4\DATA_3\METHODS\DBC10C24.MTH
Created by : ELVIE on : 2/17/00 02:19 PM
Edited by : LB on : 9/27/00 05:51 PM
Description :

Number of Times Edited : 51
Number of Times Calibrated : 514

GC03 Diesel $C_{10} \rightarrow C_{24}$

DBC10C24. Mth.
092700

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 - +I at 5.158
Event #4 - -I at 14.210
Event #5 - S at 15.934
Event #6 - S at 16.137
Event #7 - -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
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used

000261

Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :

DIESEL

Component Type : Single Peak Component
Retention Time : 7.883 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	376467.00	4592.08	----------	----------	1
2	100.0000	1058613.00	11412.27	----------	----------	1
3	1000.0000	9779947.98	99682.65	----------	----------	1
4	2000.0000	19697106.00	204974.69	----------	----------	1
5	5000.0000	46057727.00	448654.89	----------	----------	1

Average Calibration Factor = 9767.570275 (%RSD = 5.40) ok

BENZO-A-PYRENE

Component Type : Single Peak Component
Retention Time : 15.984 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	91491.00	44358.00	----------	----------	1
2	25.0000	224787.40	108330.68	----------	----------	1
3	50.0000	412742.00	199872.21	----------	----------	1
4	80.0000	710063.78	342822.08	----------	----------	1
5	100.0000	923275.14	424010.92	----------	----------	1

Average Calibration Factor = 8900.796942 (%RSD = 4.34) ok

Software Version: 4.1<2F12>
Sample Name : #TEPH00-129 SECOND SOURCE DIESEL STD Time : 9/27/00 05:51 PM
Sample Number: 1000 PPM Study : ICAL 9/~~26~~/00
Operator : 27 9-27-00 [illegible]

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 04:48 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Second source - good 9-27-00
From Ext. lab diesel [illegible]
Stock # 1560-2

Raw Data File : C:\TC4\DATA_3\927_038.RAW
Result File : C:\TC4\DATA_3\927_038.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_038.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_038.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_038.RST
Sequence File : C:\TC4\DATA_3\927.SEQ

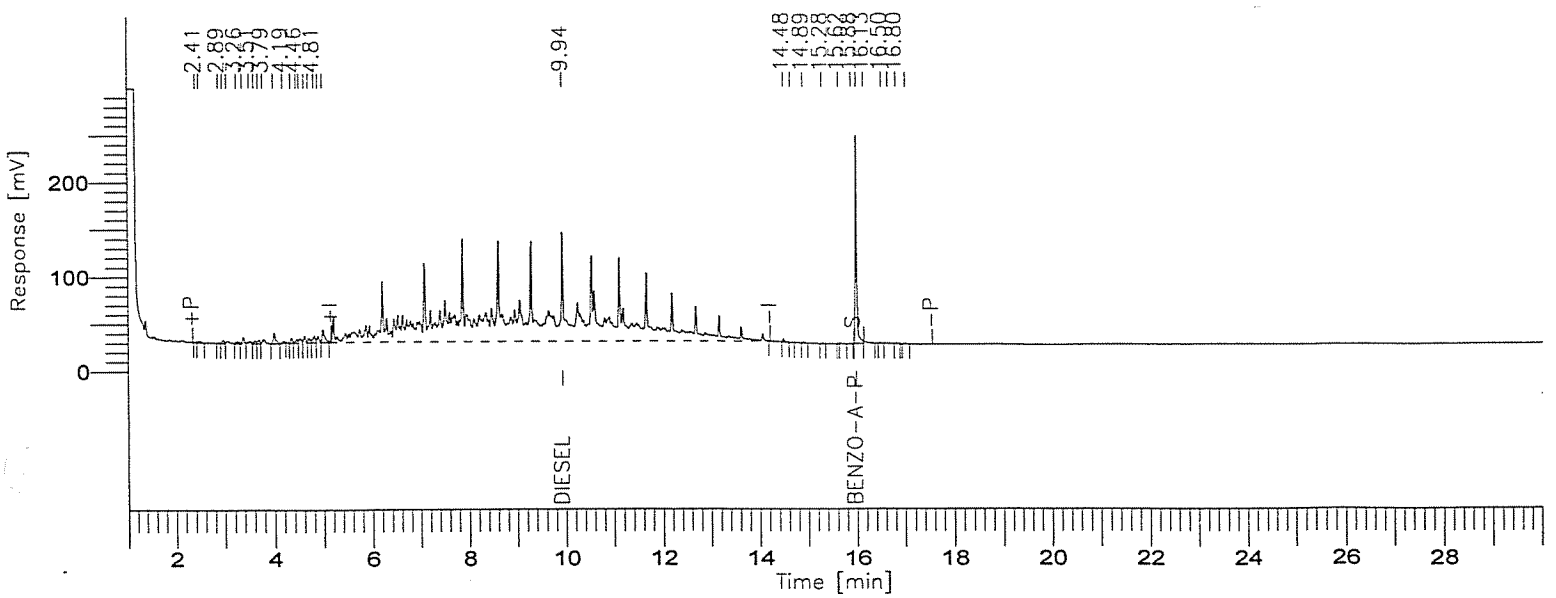
Source: Unicom 76, Edinger, Sta Ana

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



000263

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.412		1570	0.0016	------	----------
2.486		7178	0.0072	------	----------
2.890		1791	0.0018	------	----------
2.970		11269	0.0113	------	----------
3.056		9838	0.0098	------	----------
3.256		9651	0.0097	------	----------
3.381		18797	0.0188	------	----------
3.513		10092	0.0101	------	----------
3.616		10177	0.0102	------	----------
3.697		11924	0.0119	------	----------
3.790		19249	0.0192	------	----------
4.003		37444	0.0374	------	----------
4.191		6252	0.0063	------	----------
4.348		14655	0.0147	------	----------
.456		15245	0.0152	------	----------
4.519		15954	0.0160	------	----------
4.616		21614	0.0216	------	----------
4.703		17634	0.0176	------	----------
4.814		26844	0.0268	------	----------
4.893		19660	0.0197	------	----------
4.991		52546	0.0525	------	----------
9.935	DIESEL	9629543	998.7155	1000.0	-0.13
14.484		7770	0.0078	------	----------
14.632		680	0.0007	------	----------
14.888		3166	0.0032	------	----------
15.281		1097	0.0011	------	----------
15.619		460	0.0005	------	----------
15.877		2027	0.0020	------	----------
15.983	BENZO-A-PYRENE	452185	50.8028	50.0	1.61
16.133		10169	0.0102	------	----------
16.497		1640	0.0016	------	----------
16.639		1840	0.0018	------	----------
16.802		1434	0.0014	------	----------
16.997		1378	0.0014	------	----------
		10452774	1049.8893		

Missing Component Report

Component	Expected Retention (Calibration File)

Software Version: 4.1<2F12>
Date: 9/27/00 05:43 PM
Sample Name : #TEPH00-98 DIESEL STD
Data File : C:\TC4\DATA_3\927_033.RAW Date: 9/27/00 01:32 PM
Sequence File: C:\TC4\DATA_3\927.SEQ Cycle: 33 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	7.883	40.00000	376467.000000	9411.675000	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	10.00000	91491.000000	9149.100000	0.01	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
DIESEL	0.000000	10098.582796	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8947.223353	----------	----------	--------	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 : #TEPH00-98 DIESEL STD Time : 9/27/00 05:43 PM
Sample Number: 40 PPM Study : ICAL 9/~~26~~/00
Operator : 21 9-27-00

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 01:32 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

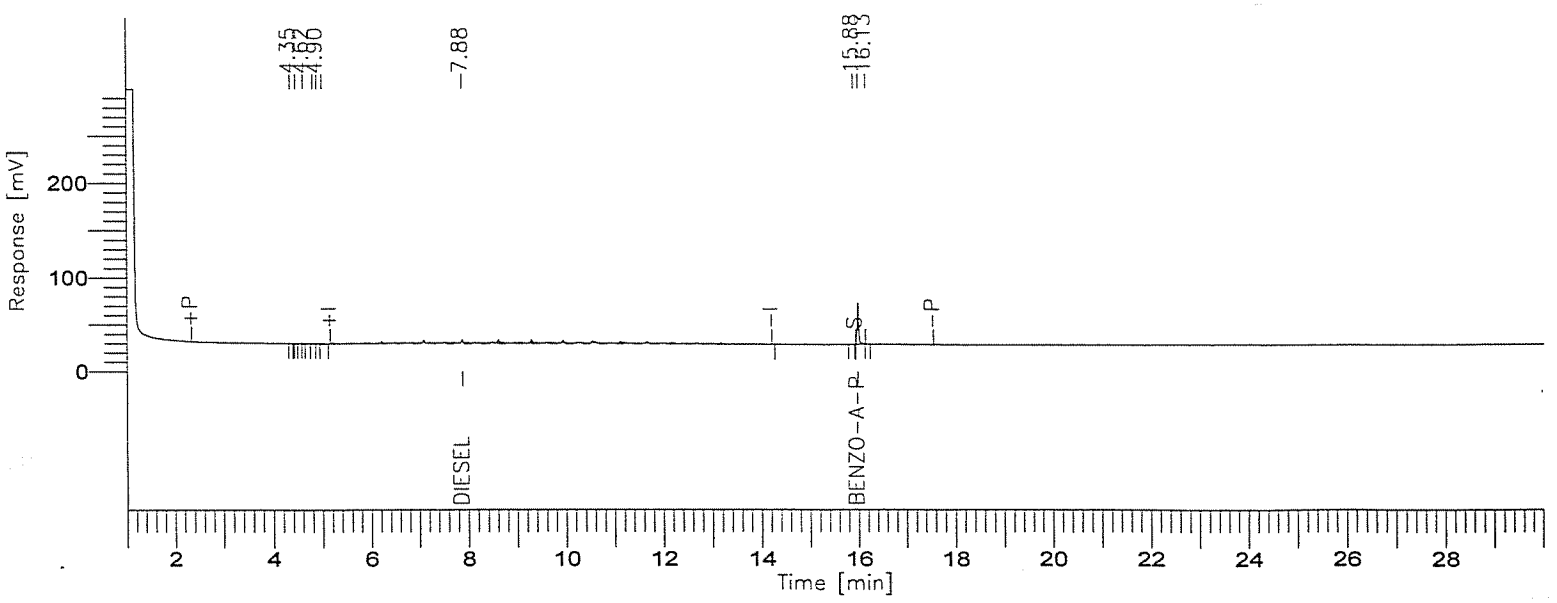
Raw Data File : C:\TC4\DATA_3\927_033.RAW
Result File : C:\TC4\DATA_3\927_033.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_033.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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: 10

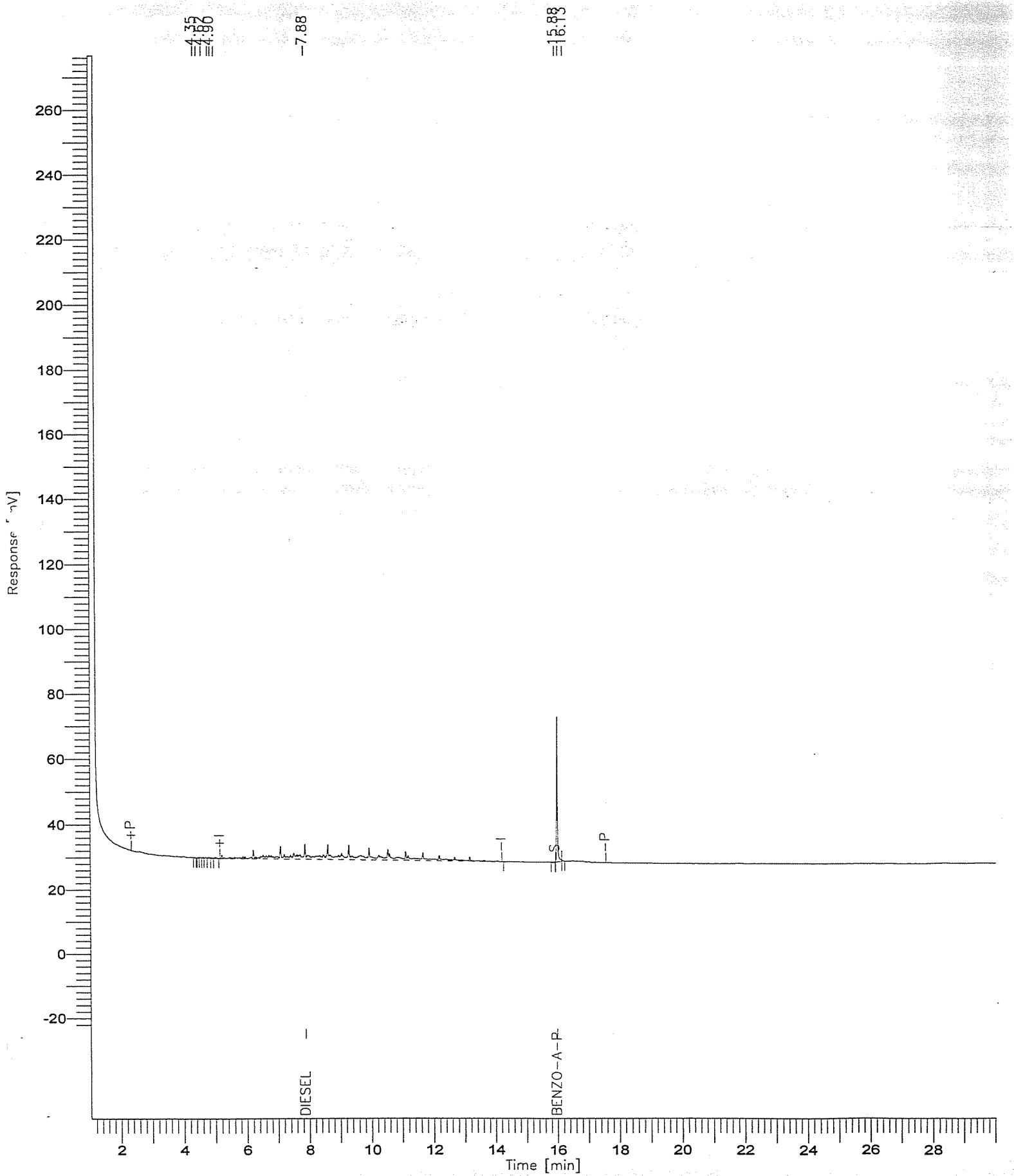


000266

Chromatogram

Sample Name : #TEPH00-98 DIESEL STD
FileName : C:\TC4\DATA_3\927_033.RAW
Method :
Start Time : 1.02 min End Time : 30.00 min
Factor: 0.0 Plot Offset: -23 mV

Sample #: 40 PPM
Date : 9/27/00 05:45 PM
Time of Injection: 9/27/00 01:32 PM
Low Point : -23.30 mV High Point : 276.70 mV
Plot Scale: 300.0 mV



000267

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.88	DIESEL	376467	37.2792	-------	10.0	
15.98	BENZO-A-PYRENE	91491	10.2256	81.81	10.0	
		467958	47.5048			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_033.TX0

Software Version: 4.1<2F12>
Date: 9/27/00 05:43 PM
Sample Name : #TEPH00-99 DIESEL STD
Data File : C:\TC4\DATA_3\927_034.RAW Date: 9/27/00 02:12 PM
Sequence File: C:\TC4\DATA_3\927.SEQ Cycle: 34 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	7.883	100.00000	1058613.000000	10586.130000	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	25.00000	224787.400000	8991.496000	0.01	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
DIESEL	0.000000	9987.160885	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8922.225826	----------	----------	--------	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 : #TEPH00-99 DIESEL STD Time : 9/27/00 05:43 PM
Sample Number: 100 PPM Study : ICAL 9/~~26~~/00
Operator : 27 9-27-00

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 02:12 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

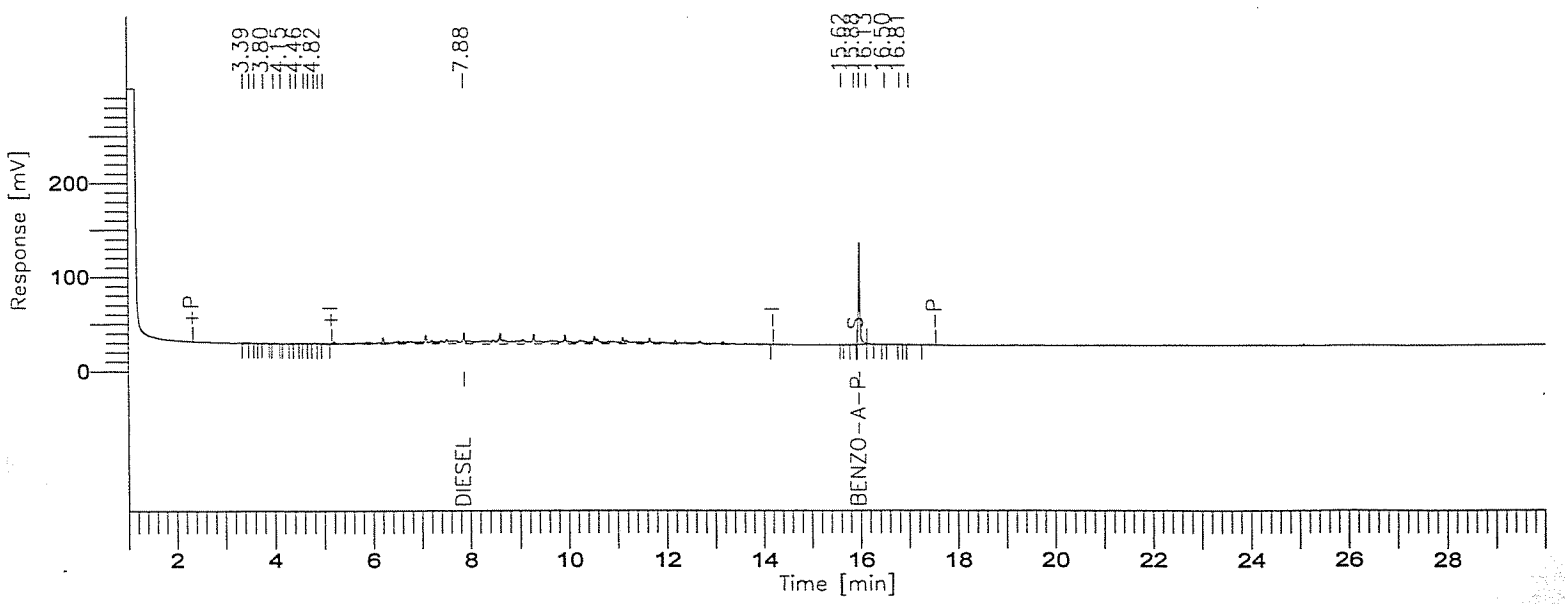
Raw Data File : C:\TC4\DATA_3\927_034.RAW
Result File : C:\TC4\DATA_3\927_034.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_034.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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: 21



000270

BOE-C6-0163691

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.88	DIESEL	1058613	105.9974	-------	10.0	
15.98	BENZO-A-PYRENE	224787	25.1941	201.55	10.0	
		1283400	131.1915			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_034.TX0

Software Version: 4.1<2F12>
Date: 9/27/00 05:43 PM
Sample Name : #TEPH00-160 DIESEL STD
Data File : C:\TC4\DATA_3\927_035.RAW Date: 9/27/00 02:51 PM
Sequence File: C:\TC4\DATA_3\927.SEQ Cycle: 35 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	7.883	1000.00000	9779947.977236	9779.947977	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	50.00000	412742.000000	8254.840000	0.01	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
DIESEL	0.000000	9903.265314	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8913.770869	----------	----------	--------	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 : #TEPH00-160 DIESEL STD Time : 9/27/00 05:43 PM
Sample Number: 1000 PPM Study : ICAL 9/~~28~~/00
Operator : 27 9-27-00 EC

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 02:51 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

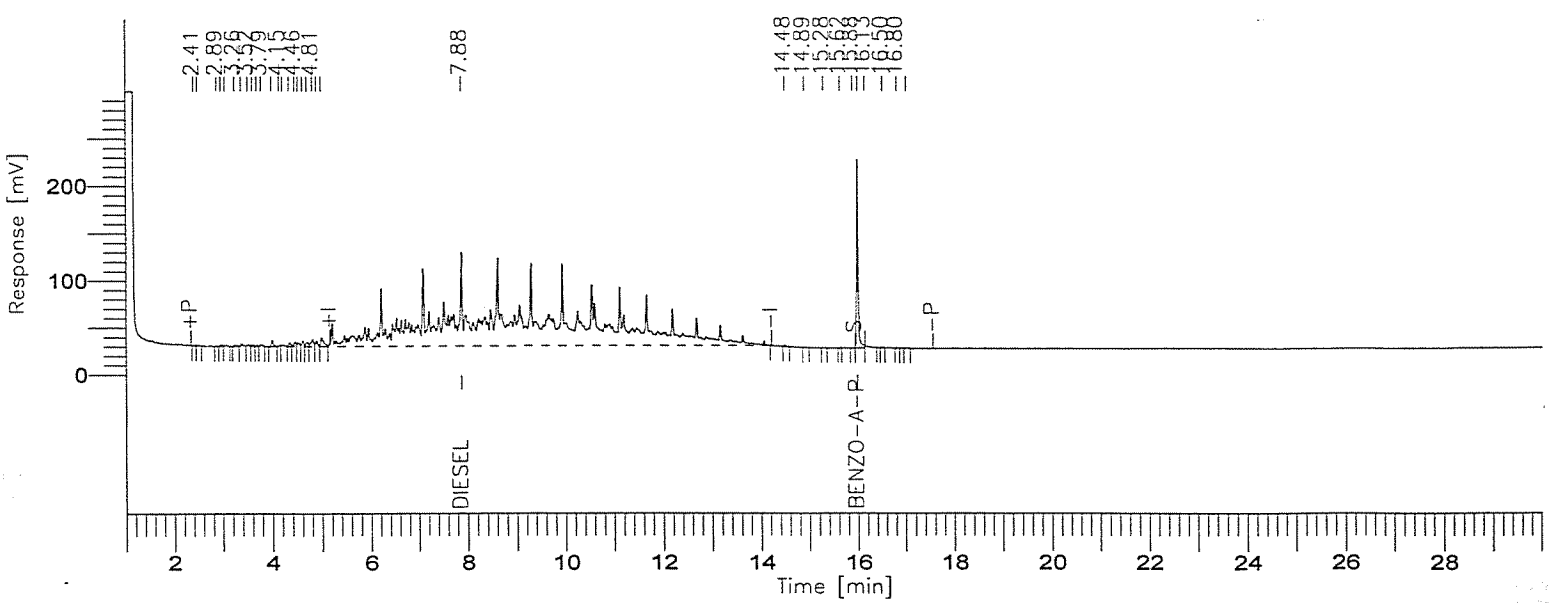
Raw Data File : C:\TC4\DATA_3\927_035.RAW
Result File : C:\TC4\DATA_3\927_035.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_035.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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
r1 : 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
7.88	DIESEL	9779948	987.5478	-------	10.0	
15.98	BENZO-A-PYRENE	412742	46.3039	370.43	10.0	
		10192690	1033.8517			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_035.TX0

Software Version: 4.1<2F12>
Date: 9/27/00 05:43 PM
Sample Name : #TEPH00-101 DIESEL STD
Data File : C:\TC4\DATA_3\927_036.RAW Date: 9/27/00 03:30 PM
S uence File: C:\TC4\DATA_3\927.SEQ Cycle: 36 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	7.883	2000.00000	1.96971060e+07	9848.553000	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	80.00000	710063.782609	8875.797283	0.01	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
DIESEL	0.000000	9769.585169	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8913.770869	----------	----------	--------	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 : #TEPH00-101 DIESEL STD Time : 9/27/00 05:43 PM
Sample Number: 2000 PPM Study : ICAL 9/~~26~~/00
Operator : 27 9-27-00

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 03:30 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

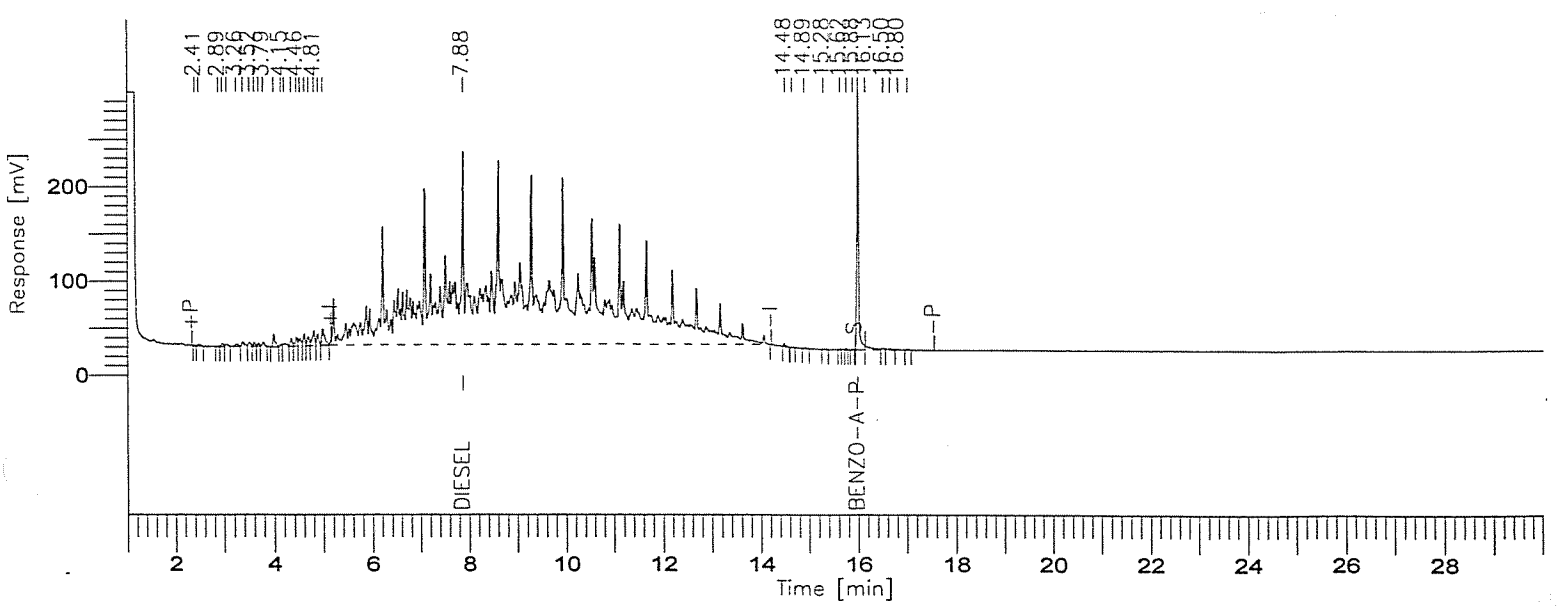
Raw Data File : C:\TC4\DATA_3\927_036.RAW
Result File : C:\TC4\DATA_3\927_036.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_036.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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: 36



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.88	DIESEL	19697106	2016.1661	-------	10.0	
15.98	BENZO-A-PYRENE	710064	79.6592	637.27	10.0	
		20407170	2095.8252			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_036.TX0

Software Version: 4.1<2F12>
Date: 9/27/00 05:48 PM
Sample Name : #TEPH00-102 DIESEL STD
Data File : C:\TC4\DATA_3\927_037.RAW Date: 9/27/00 04:09 PM
uence File: C:\TC4\DATA_3\927.SEQ Cycle: 37 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	7.883	5000.00000	4.60577270e+07	9211.545400	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	100.00000	923275.142857	9232.751429	0.01	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
DIESEL	0.000000	9767.570275	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8900.796942	----------	----------	--------	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 : #TEPH00-102 DIESEL STD Time : 9/27/00 05:48 PM
Sample Number: 5000 PPM Study : ICAL 9/~~28~~/00
Operator : 27 9-27-00 BT

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 04:09 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

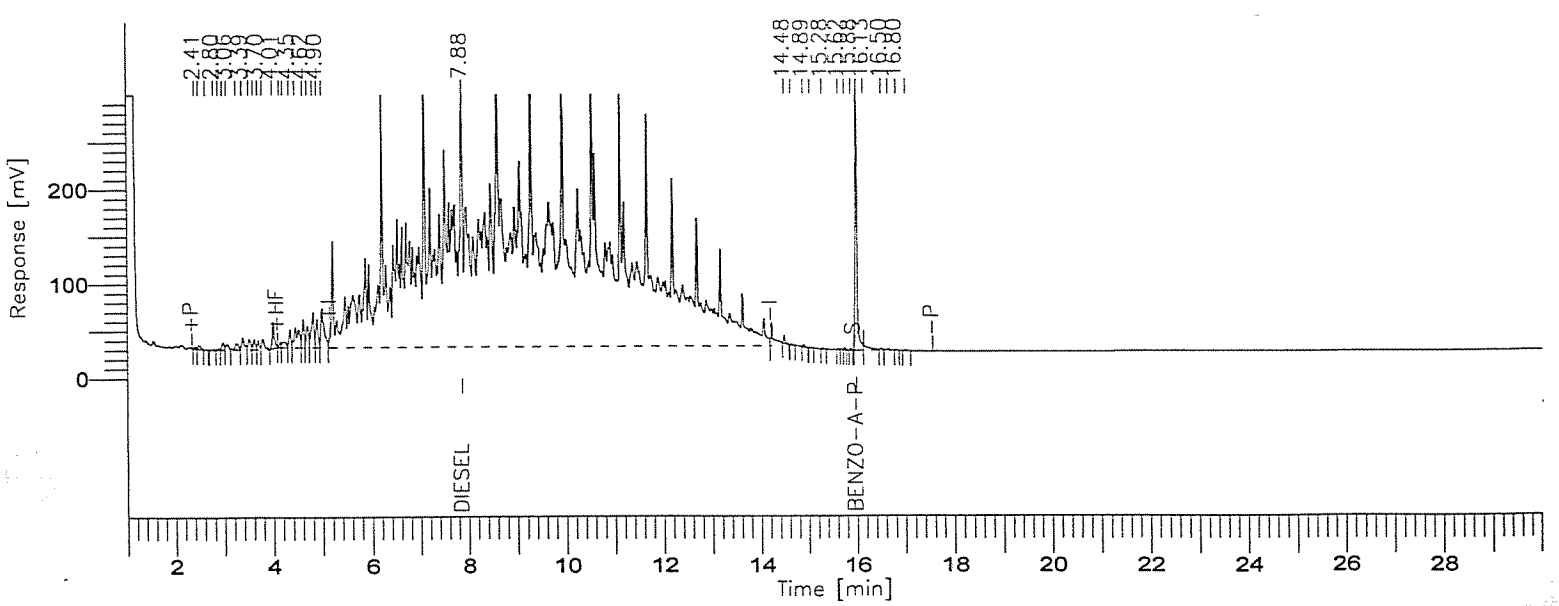
Raw Data File : C:\TC4\DATA_3\927_037.RAW
Result File : C:\TC4\DATA_3\927_037.rst
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_037.rst
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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: 38



000279

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.88	DIESEL	46057727	4715.3720	-------	10.0	
15.99	BENZO-A-PYRENE	923275	103.7295	829.84	10.0	
		46981002	4819.1015			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_037.TX0

Software Version: 4.1<2F12>
Sample Name : DAILY RT MARKER Time : 9/27/00 01:23 PM
Sample Number: C8-C40 Study : ICAL 9/~~26~~/00
Operator : 27 9-27-00

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 12:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

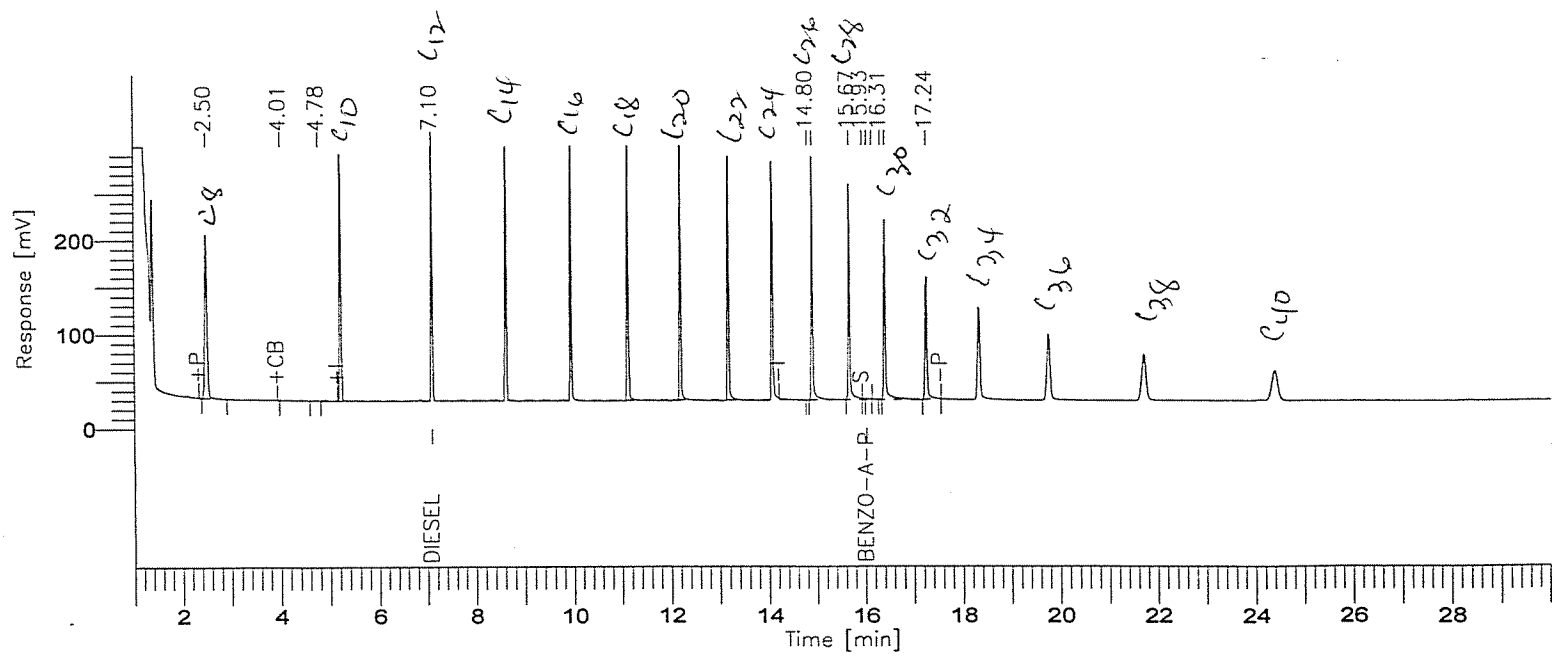
Raw Data File : C:\TC4\DATA_3\927_032.RAW
Result File : C:\TC4\DATA_3\927_032.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_032.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\927.SEQ

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: 13



000281

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.10	DIESEL	4719128	398.6318	-------	10.0	
16.03	BENZO-A-PYRENE	6091	0.6809	5.45	10.0	
		4725219	399.3127			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_032.TX0

Turbochrom Sequence File : C:\TC4\DATA_3\927.SEQ
Created by : EM on : 9/26/00 01:59 PM
Edited by : EC on : 9/27/00 05:36 PM
Description :

Number of Times Edited : 15

Sequence File Header Information:

Number of Rows : 70
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 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MARKER	C8-C40	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	#TEPH00-98 DIES	40 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	#TEPH00-99 DIES	100 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	#TEPH00-160 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	#TEPH00-101 DIE	2000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-102 DIE	5000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	MECL2	MECL2	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH00-167 RT	30 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	MECL2	MECL2	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Cal:Replace	#TEPH00-135 MOT	80 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Cal:Replace	#TEPH00-136 MOT	500 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Cal:Replace	#TEPH00-158 MOT	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	#TEPH00-138 MOT	2000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	#TEPH00-140 MOT	5000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Std Check	#TEPH00-141 SEC	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Std Check	#TEPH00-160 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Std Check	#TEPH00-158 MOT	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	#TEPH00-171 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	233-MB	DL1LC101B	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
26	Sample	233-LCS	DL1LC102C	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
27	Sample	233-04	DKRLH104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
28	Sample	233-04 MS	DKRLH108S	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
29	Sample	233-04 MSD	DKRLH109D	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
30	Sample	#TEPH00-171 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	MECL2	MECL2	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DAILY RT MARKER	C8-C40	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Cal:Replace	#TEPH00-98 DIES	40 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Cal:Replace	#TEPH00-99 DIES	100 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Cal:Replace	#TEPH00-160 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Cal:Replace	#TEPH00-101 DIE	2000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Cal:Replace	#TEPH00-102 DIE	5000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	MECL2	MECL2	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Cal:Replace	#TEPH00-135 MOT	80 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Cal:Replace	#TEPH00-136 MOT	500 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Cal:Replace	#TEPH00-158 MOT	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Cal:Replace	#TEPH00-138 MOT	2000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Cal:Replace	#TEPH00-140 MOT	5000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Std Check	#TEPH00-141 SEC	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	233-MB	DL1LC101B	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
47	Sample	233-LCS	DL1LC102C	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
48	Sample	233-04	DKRLH104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1054.000	0.000	100.000
49	Sample	233-04 MS	DKRLH108S	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1043.000	0.000	100.000
50	Sample	233-04 MSD	DKRLH109D	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1058.000	0.000	100.000
51	Sample	233-05	DKRLM104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1052.000	0.000	100.000
52	Sample	233-06	DKRLQ104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1009.000	0.000	100.000
53	Sample	251-08	DKPE3103	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	882.000	0.000	100.000
54	Sample	251-09	DKPEK103	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1047.000	0.000	100.000
55	Sample	251-10	DKPEL103	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	909.000	0.000	100.000
56	Std Check	#TEPH00-160 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Std Check	#TEPH00-158 MOT	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	233-MB	DL1JX101B	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	233-LCS	DL1JX102C	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	233-01	DKRKM104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

INITIAL CALIBRATION DATA

Date Analyzed: 9-30-00

Instrument ID: GC3 $C_8 \rightarrow C_{40}$

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 : 10/3/00 09:34 AM
Description : SOLVENT = METHYLENE CHLORIDE

Number of Times Edited : 23
Number of Times Calibrated : 583

ICAL 9-30-00

ALL AUG CF

10 → 50 ppm

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 - -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 :
C8-C9

Component Type : Timed Group
Start Time : 2.366 min End Time : 5.132 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
2	10.0000	120337.00	39946.04	----------	----------	1
3	20.0000	226005.50	75020.56	----------	----------	1
4	30.0000	303374.00	100489.55	----------	----------	1
5	40.0000	403122.00	134237.60	----------	----------	1
6	50.0000	555543.00	185156.35	----------	----------	1

Average Calibration Factor = 10927.070333 (%RSD = 7.63)

C10-C11
Component Type : Timed Group
Start Time : 5.133 min End Time : 7.016 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
2	10.0000	132947.00	63911.23	----------	----------	1
3	20.0000	241379.65	118484.68	----------	----------	1
4	30.0000	323707.41	155991.68	----------	----------	1
5	40.0000	426246.34	207570.18	----------	----------	1
6	50.0000	589271.27	292047.13	----------	----------	1

Average Calibration Factor = 11719.102756 (%RSD = 9.15)

C12-C13
Component Type : Timed Group
Start Time : 7.017 min End Time : 8.521 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
2	10.0000	143039.00	66902.03	----------	----------	1
3	20.0000	257822.85	128932.02	----------	----------	1

4	30.0000	345186.59	161232.46	----------	----------	1
5	40.0000	445503.66	213721.25	----------	----------	1
6	50.0000	617666.23	300200.40	----------	----------	1

Average Calibration Factor = 12438.435577 (%RSD = 10.05)

C14-C15

Component Type : Timed Group
Start Time : 8.522 min End Time : 9.839 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
2	10.0000	138236.50	73047.88	----------	----------	1
3	20.0000	253744.50	134643.61	----------	----------	1
4	30.0000	335742.50	177775.72	----------	----------	1
5	40.0000	445609.00	241127.59	----------	----------	1
6	50.0000	613035.00	335734.00	----------	----------	1

Average Calibration Factor = 12220.643333 (%RSD = 9.16)

C16-C17

Component Type : Timed Group
Start Time : 9.840 min End Time : 11.042 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
2	10.0000	135687.00	74929.69	----------	----------	1
3	20.0000	253170.00	137689.40	----------	----------	1
4	30.0000	336301.00	184089.00	----------	----------	1
5	40.0000	445358.00	240457.70	----------	----------	1
6	50.0000	615091.00	330582.25	----------	----------	1

Average Calibration Factor = 12174.600667 (%RSD = 8.42)

C18-C19

Component Type : Timed Group
Start Time : 11.043 min End Time : 12.115 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
2	10.0000	136065.00	73256.78	----------	----------	1
3	20.0000	251706.50	135964.36	----------	----------	1
4	30.0000	334546.00	180770.03	----------	----------	1
5	40.0000	446154.00	238807.06	----------	----------	1
6	50.0000	616439.00	330374.91	----------	----------	1

Average Calibration Factor = 12165.197667 (%RSD = 8.55)

C20-C23

Component Type : Timed Group
Start Time : 12.116 min End Time : 13.986 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
2	10.0000	264438.00	133754.97	----------	----------	1
3	20.0000	490506.50	248632.76	----------	----------	1
4	30.0000	655573.50	327344.82	----------	----------	1
5	40.0000	871408.50	434090.37	----------	----------	1
6	50.0000	1204859.00	604073.11	----------	----------	1

Average Calibration Factor = 23740.793500 (%RSD = 8.28)

C24-C27

Component Type : Timed Group
Start Time : 13.987 min End Time : 15.580 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
2	10.0000	237875.00	110836.87	----------	----------	1
3	20.0000	443077.50	205976.48	----------	----------	1
4	30.0000	599012.50	276296.02	----------	----------	1
5	40.0000	805271.00	369286.42	----------	----------	1
6	50.0000	1124656.50	508806.80	----------	----------	1

Average Calibration Factor = 21706.672667 (%RSD = 7.52)

C28-C31

Component Type : Timed Group
Start Time : 15.581 min End Time : 17.132 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
2	10.0000	199711.00	85536.16	----------	----------	1
3	20.0000	376542.00	163616.99	----------	----------	1
4	30.0000	494995.50	217638.29	----------	----------	1
5	40.0000	669676.00	290089.91	----------	----------	1
6	50.0000	927712.50	396269.36	----------	----------	1

Average Calibration Factor = 18118.840000 (%RSD = 8.11)

C32-C35
Component Type : Timed Group
Start Time : 17.133 min End Time : 19.563 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
2	10.0000	137456.50	45047.54	----------	----------	1
3	20.0000	262553.00	87668.31	----------	----------	1
4	30.0000	383095.00	126675.12	----------	----------	1
5	40.0000	504487.50	163219.67	----------	----------	1
6	50.0000	717781.00	229710.80	----------	----------	1

Average Calibration Factor = 13322.188167 (%RSD = 5.43)

C36-C39
Component Type : Timed Group
Start Time : 19.564 min End Time : 24.067 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
2	10.0000	87995.00	16799.85	----------	----------	1
3	20.0000	192964.17	36778.97	----------	----------	1
4	30.0000	330001.12	62545.57	----------	----------	1
5	40.0000	400158.85	76082.63	----------	----------	1
6	50.0000	580556.27	111473.32	----------	----------	1

Average Calibration Factor = 10212.568428 (%RSD = 10.88)

C40+

Component Type : Timed Group
Start Time : 24.068 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
2	10.0000	34073.00	3928.30	----------	----------	1
3	20.0000	78143.33	8926.06	----------	----------	1
4	30.0000	140891.88	16017.58	----------	----------	1
5	40.0000	171219.65	20171.83	----------	----------	1
6	50.0000	246423.23	28863.58	----------	----------	1

Average Calibration Factor = 4243.963738 (%RSD = 14.37)

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-165 RT MARKER
Data File : C:\TC4\DATA_3\930_004.RAW Date: 9/30/00 02:03 PM
Sequence File: C:\TC4\DATA_3\930.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\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	3.749	10.00000	120337.000000	12033.700000	0.00	5	------	------	1	0
C10-C11	6.074	10.00000	132947.000000	13294.700000	0.00	5	------	------	1	0
C12-C13	7.769	10.00000	143039.000000	14303.900000	0.00	5	------	------	1	0
C14-C15	9.180	10.00000	138236.500000	13823.650000	0.00	5	------	------	1	0
C16-C17	10.441	10.00000	135687.000000	13568.700000	0.00	5	------	------	1	0
C18-C19	11.579	10.00000	136065.000000	13606.500000	0.00	5	------	------	1	0
C20-C23	13.051	10.00000	264438.000000	26443.800000	0.00	5	------	------	1	0
C24-C27	14.784	10.00000	237875.000000	23787.500000	0.00	5	------	------	1	0
C28-C31	16.356	10.00000	199711.000000	19971.100000	0.00	5	------	------	1	0
C32-C35	18.348	10.00000	137456.500000	13745.650000	0.00	5	------	------	1	0
C36-C39	21.815	10.00000	87995.000000	8799.500000	0.00	5	------	------	1	0
C40+	27.034	10.00000	34073.000000	3407.300000	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	14872.714167	----------	----------	--------	9
C10-C11	0.000000	16013.459002	----------	----------	--------	9
C12-C13	0.000000	16922.292804	----------	----------	--------	9
C14-C15	0.000000	16593.863889	----------	----------	--------	9
C16-C17	0.000000	16481.711944	----------	----------	--------	9
C18-C19	0.000000	16517.379167	----------	----------	--------	9
C20-C23	0.000000	32280.833333	----------	----------	--------	9
C24-C27	0.000000	29785.327361	----------	----------	--------	9
C28-C31	0.000000	25416.396806	----------	----------	--------	9
C32-C35	0.000000	19550.275833	----------	----------	--------	9
C36-C39	0.000000	15488.629116	----------	----------	--------	9
C40+	0.000000	6566.547134	----------	----------	--------	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 : #TEPH00-165 RT MARKER Time : 10/3/00 09:26 AM
Sample Number: 10 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 02:03 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

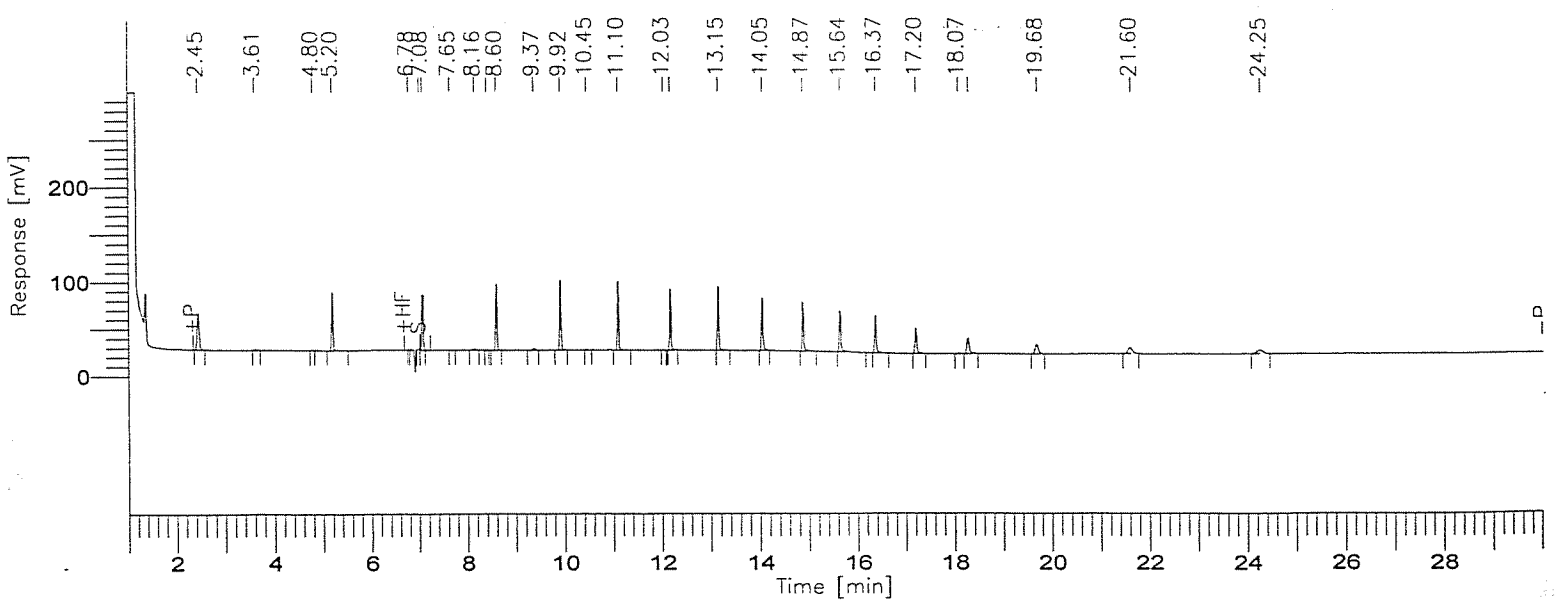
Raw Data File : C:\TC4\DATA_3\930_004.RAW
Result File : C:\TC4\DATA_3\930_004.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_004.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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



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8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	120337	8.0911	-------	10.0	
6.07	C10-C11	132947	8.3022	-------	10.0	
7.77	C12-C13	143039	8.4527	-------	10.0	
9.18	C14-C15	138236	8.3306	-------	10.0	
10.44	C16-C17	135687	8.2326	-------	10.0	
11.58	C18-C19	136065	8.2377	-------	10.0	
13.05	C20-C23	264438	8.1918	-------	10.0	
14.78	C24-C27	237875	7.9863	-------	10.0	
16.36	C28-C31	199711	7.8576	-------	10.0	
18.35	C32-C35	137456	7.0309	-------	10.0	
21.82	C36-C39	87995	5.6813	-------	10.0	
27.03	C40+	34073	5.1889	-------	10.0	
		1767860	91.5836			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		117152	0.1172	-------	10.0	
3.61		2312	0.0023	-------	10.0	
4.80		873	0.0009	-------	10.0	
		120337	0.1203			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		128073	0.1281	-------	10.0	
6.78		665	0.0007	-------	10.0	
7.00		4209	0.0042	-------	10.0	
		132947	0.1329			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.07		136297	0.1363	-------	10.0	
7.65		265	0.0003	-------	10.0	
8.16		5808	0.0058	-------	10.0	
8.39		669	0.0007	-------	10.0	
		143039	0.1430			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		133116	0.1331	-------	10.0	
9.37		5120	0.0051	-------	10.0	
		138236	0.1382			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.92		134384	0.1344	-------	10.0	
10.45		1303	0.0013	-------	10.0	
		135687	0.1357			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		135220	0.1352	-------	10.0	
12.03		845	0.0008	-------	10.0	
		136065	0.1361			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.17		132364	0.1324	-------	10.0	
13.15		132074	0.1321	-------	10.0	

		264438	0.2644			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.05		121034	0.1210	-------	10.0	
14.87		116841	0.1168	-------	10.0	
		237875	0.2379			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.64		109242	0.1092	-------	10.0	
16.37		90469	0.0905	-------	10.0	
		199711	0.1997			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.20		75120	0.0751	-------	10.0	
18.07		2582	0.0026	-------	10.0	
18.27		59755	0.0598	-------	10.0	
		137456	0.1375			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.68		47141	0.0471	-------	10.0	
21.60		40854	0.0409	-------	10.0	
		87995	0.0880			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

24.25	34073	0.0341	-------	10.0
	34073	0.0341		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\930_004.TX0

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-166 RT MARKER
Data File : C:\TC4\DATA_3\930_005.RAW Date: 9/30/00 02:43 PM
Sequence File: C:\TC4\DATA_3\930.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\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	3.749	20.00000	226005.500000	11300.275000	0.00	5	------	------	1	0
C10-C11	6.074	20.00000	241379.651515	12068.982576	0.00	5	------	------	1	0
C12-C13	7.769	20.00000	257822.848485	12891.142424	0.00	5	------	------	1	0
C14-C15	9.180	20.00000	253744.500000	12687.225000	0.00	5	------	------	1	0
C16-C17	10.441	20.00000	253170.000000	12658.500000	0.00	5	------	------	1	0
C18-C19	11.579	20.00000	251706.500000	12585.325000	0.00	5	------	------	1	0
C20-C23	13.051	20.00000	490506.500000	24525.325000	0.00	5	------	------	1	0
C24-C27	14.784	20.00000	443077.500000	22153.875000	0.00	5	------	------	1	0
C28-C31	16.356	20.00000	376542.000000	18827.100000	0.00	5	------	------	1	0
C32-C35	18.348	20.00000	262553.000000	13127.650000	0.00	5	------	------	1	0
C36-C39	21.815	20.00000	192964.166667	9648.208333	0.00	5	------	------	1	0
C40+	27.034	20.00000	78143.333333	3907.166667	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	14227.976667	----------	----------	--------	9
C10-C11	0.000000	15327.394309	----------	----------	--------	9
C12-C13	0.000000	16194.261663	----------	----------	--------	9
C14-C15	0.000000	15910.547222	----------	----------	--------	9
C16-C17	0.000000	15788.953611	----------	----------	--------	9
C18-C19	0.000000	15827.050000	----------	----------	--------	9
C20-C23	0.000000	30905.275000	----------	----------	--------	9
C24-C27	0.000000	28485.869028	----------	----------	--------	9
C28-C31	0.000000	24429.284306	----------	----------	--------	9
C32-C35	0.000000	18545.759167	----------	----------	--------	9
C36-C39	0.000000	14346.654536	----------	----------	--------	9
C40+	0.000000	6043.642547	----------	----------	--------	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 : #TEPH00-166 RT MARKER Time : 10/3/00 09:26 AM
Sample Number: 20 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 02:43 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

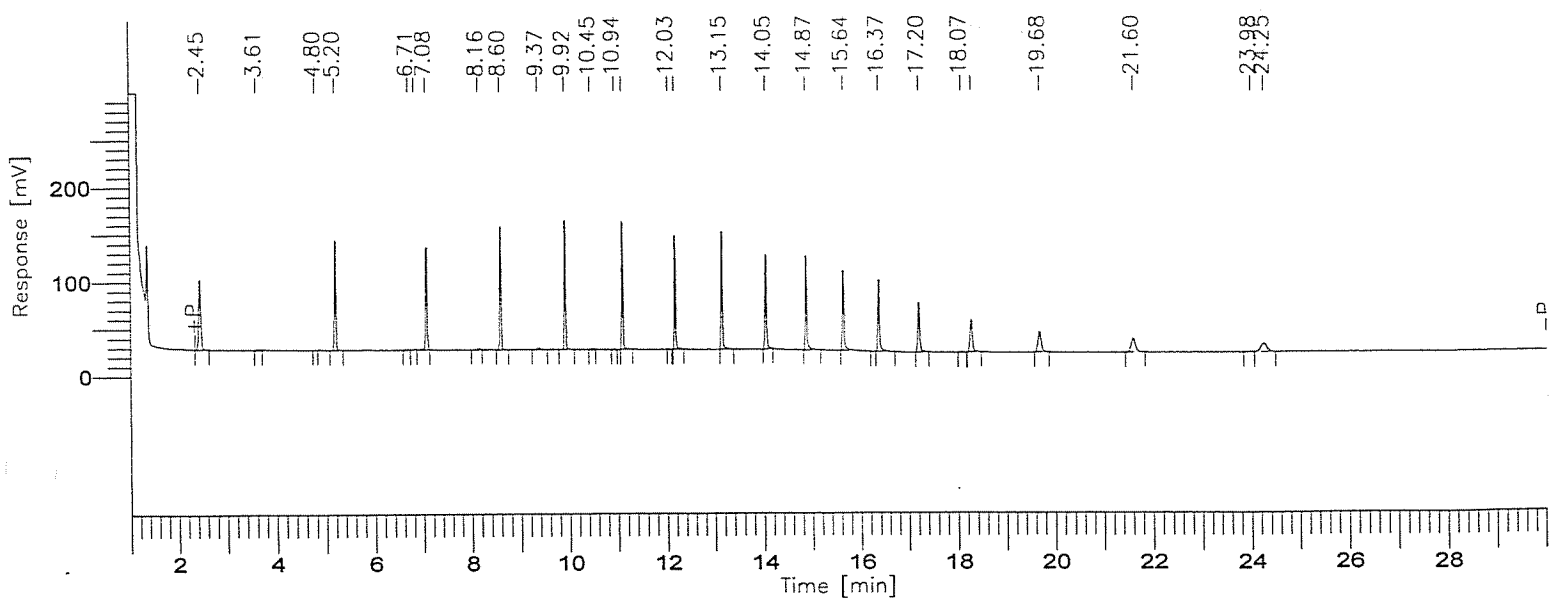
Raw Data File : C:\TC4\DATA_3\930_005.RAW
Result File : C:\TC4\DATA_3\930_005.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_005.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	226006	15.8846	-------	10.0	
6.07	C10-C11	241380	15.7483	-------	10.0	
7.77	C12-C13	257823	15.9206	-------	10.0	
9.18	C14-C15	253744	15.9482	-------	10.0	
10.44	C16-C17	253170	16.0346	-------	10.0	
11.58	C18-C19	251706	15.9036	-------	10.0	
13.05	C20-C23	490506	15.8713	-------	10.0	
14.78	C24-C27	443078	15.5543	-------	10.0	
16.36	C28-C31	376542	15.4136	-------	10.0	
18.35	C32-C35	262553	14.1570	-------	10.0	
21.82	C36-C39	192964	13.4501	-------	10.0	
27.03	C40+	78143	12.9298	-------	10.0	
		3327616	182.8160			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		222846	0.2228	-------	10.0	
3.61		2514	0.0025	-------	10.0	
4.80		646	0.0006	-------	10.0	
		226006	0.2260			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		238902	0.2389	-------	10.0	
6.71		368	0.0004	-------	10.0	
6.83		2110	0.0021	-------	10.0	
		241380	0.2414			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.08		252451	0.2525	-------	10.0	
8.16		5372	0.0054	-------	10.0	
		257823	0.2578			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		248679	0.2487	-------	10.0	
9.37		5066	0.0051	-------	10.0	
		253744	0.2537			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].92		250736	0.2507	-------	10.0	
10.45		1146	0.0011	-------	10.0	
10.94		1288	0.0013	-------	10.0	
		253170	0.2532			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		250388	0.2504	-------	10.0	
12.03		1318	0.0013	-------	10.0	
		251706	0.2517			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.17		247149	0.2471	-------	10.0	
13.15		243358	0.2434	-------	10.0	
		490506	0.4905			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.04		224820	0.2248	-------	10.0	
14.87		218258	0.2183	-------	10.0	
		443078	0.4431			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.64		204075	0.2041	-------	10.0	
16.37		172467	0.1725	-------	10.0	
		376542	0.3765			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.20		142821	0.1428	-------	10.0	
18.07		2233	0.0022	-------	10.0	
18.27		117499	0.1175	-------	10.0	
		262553	0.2626			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.68		99366	0.0994	-------	10.0	
21.60		91190	0.0912	-------	10.0	
23.98		2408	0.0024	-------	10.0	
		192964	0.1930			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.25		78143	0.0781	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		78143	0.0781			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\930_005.TX0

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-167 RT MARKER
Data File : C:\TC4\DATA_3\930_006.RAW Date: 9/30/00 03:22 PM
Sequence File: C:\TC4\DATA_3\930.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\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	3.749	30.00000	303374.000000	10112.466667	0.00	5	------	------	1	0
C10-C11	6.074	30.00000	323707.414634	10790.247154	0.00	5	------	------	1	0
C12-C13	7.769	30.00000	345186.585366	11506.219512	0.00	5	------	------	1	0
C14-C15	9.180	30.00000	335742.500000	11191.416667	0.00	5	------	------	1	0
C16-C17	10.441	30.00000	336301.000000	11210.033333	0.00	5	------	------	1	0
C18-C19	11.579	30.00000	334546.000000	11151.533333	0.00	5	------	------	1	0
C20-C23	13.051	30.00000	655573.500000	21852.450000	0.00	5	------	------	1	0
C[illegible]27	14.784	30.00000	599012.500000	19967.083333	0.00	5	------	------	1	0
C[illegible]31	16.356	30.00000	494995.500000	16499.850000	0.00	5	------	------	1	0
C32-C35	18.348	30.00000	383095.000000	12769.833333	0.00	5	------	------	1	0
C36-C39	21.815	30.00000	330001.116279	11000.037209	0.00	5	------	------	1	0
C40+	27.034	30.00000	140891.883721	4696.396124	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	13673.821111	----------	----------	--------	9
C10-C11	0.000000	14757.733586	----------	----------	--------	9
C12-C13	0.000000	15636.944608	----------	----------	--------	9
C14-C15	0.000000	15300.177778	----------	----------	--------	9
C16-C17	0.000000	15183.081389	----------	----------	--------	9
C18-C19	0.000000	15207.005556	----------	----------	--------	9
C20-C23	0.000000	29706.191667	----------	----------	--------	9
C24-C27	0.000000	27339.988472	----------	----------	--------	9
C28-C31	0.000000	23458.837083	----------	----------	--------	9
C32-C35	0.000000	17871.356389	----------	----------	--------	9
C[illegible]-C39	0.000000	13956.889349	----------	----------	--------	9
[illegible]	0.000000	5875.154957	----------	----------	--------	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 : #TEPH00-167 RT MARKER Time : 10/3/00 09:26 AM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 03:22 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

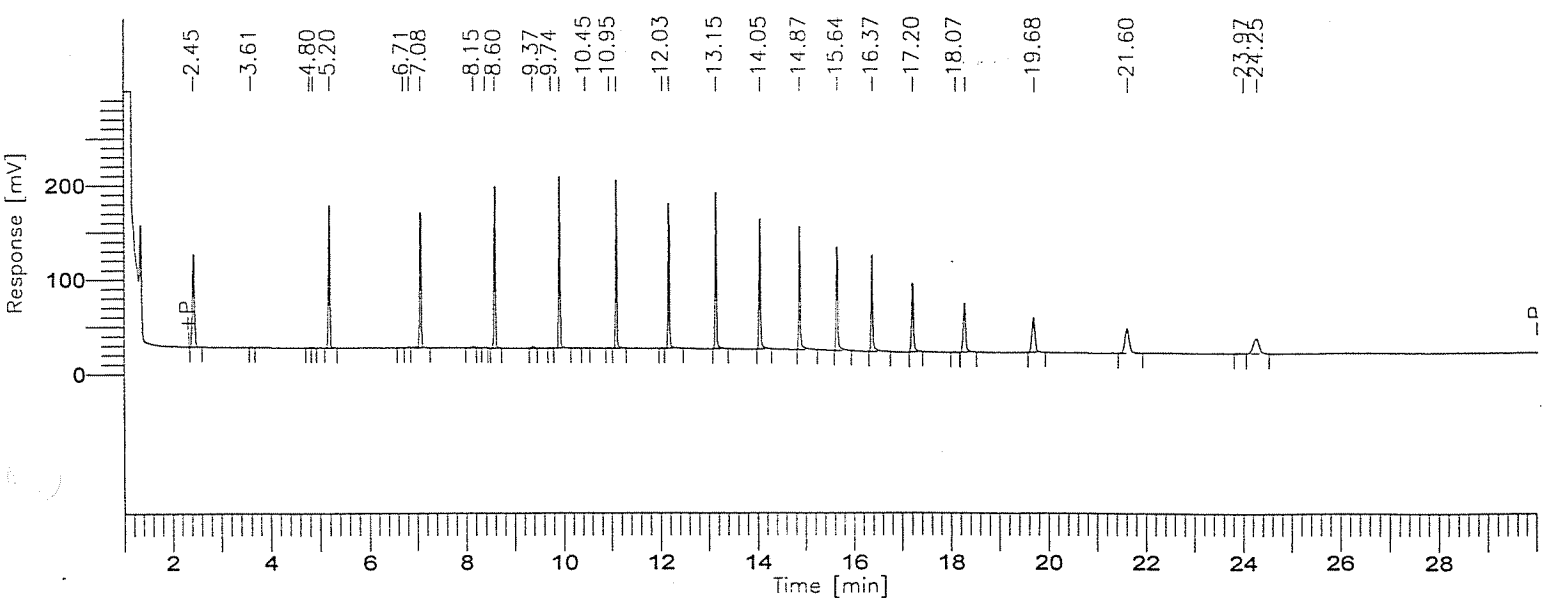
Raw Data File : C:\TC4\DATA_3\930_006.RAW
Result File : C:\TC4\DATA_3\930_006.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_006.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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: 31



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	303374	22.1865	-------	10.0	
6.07	C10-C11	323707	21.9348	-------	10.0	
7.77	C12-C13	345187	22.0751	-------	10.0	
9.18	C14-C15	335742	21.9437	-------	10.0	
10.44	C16-C17	336301	22.1497	-------	10.0	
11.58	C18-C19	334546	21.9995	-------	10.0	
13.05	C20-C23	655574	22.0686	-------	10.0	
14.78	C24-C27	599012	21.9098	-------	10.0	
16.36	C28-C31	494996	21.1006	-------	10.0	
18.35	C32-C35	383095	21.4363	-------	10.0	
21.82	C36-C39	330001	23.6443	-------	10.0	
27.03	C40+	140892	23.9810	-------	10.0	
		4582427	266.4297			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		298343	0.2983	-------	10.0	
3.61		1992	0.0020	-------	10.0	
4.80		1276	0.0013	-------	10.0	
4.87		1762	0.0018	-------	10.0	
		303374	0.3034			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		319310	0.3193	-------	10.0	
6.70		952	0.0010	-------	10.0	
.83		3445	0.0034	-------	10.0	
		323707	0.3237			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.07		338287	0.3383	-------	10.0	
8.15		5215	0.0052	-------	10.0	
8.39		1685	0.0017	-------	10.0	
		345187	0.3452			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		329596	0.3296	-------	10.0	
9.37		5033	0.0050	-------	10.0	
9.74		1114	0.0011	-------	10.0	
		335742	0.3357			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.92		333556	0.3336	-------	10.0	
10.45		1314	0.0013	-------	10.0	
10.95		1431	0.0014	-------	10.0	
		336301	0.3363			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		332680	0.3327	-------	10.0	
12.03		1866	0.0019	-------	10.0	
		334546	0.3345			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

12.17		332340	0.3323	-------	10.0
13.15		323233	0.3232	-------	10.0
		655574	0.6556		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.05		305106	0.3051	-------	10.0	
14.87		293906	0.2939	-------	10.0	
		599012	0.5990			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.64		262082	0.2621	-------	10.0	
16.37		232914	0.2329	-------	10.0	
		494996	0.4950			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.20		199975	0.2000	-------	10.0	
18.07		2453	0.0025	-------	10.0	
18.27		180667	0.1807	-------	10.0	
		383095	0.3831			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.68		166412	0.1664	-------	10.0	
[illegible].60		160107	0.1601	-------	10.0	
[illegible].97		3482	0.0035	-------	10.0	
		330001	0.3300			

Group Report For : C40+

Time [n]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.25		140892	0.1409	-------	10.0	
		140892	0.1409			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\930_006.TX0

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-168 RT MARKER
Data File : C:\TC4\DATA_3\930_007.RAW Date: 9/30/00 04:01 PM
Sequence File: C:\TC4\DATA_3\930.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\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	3.749	40.00000	403122.000000	10078.050000	0.00	5	------	------	1	0
C10-C11	6.074	40.00000	426246.344828	10656.158621	0.00	5	------	------	1	0
C12-C13	7.769	40.00000	445503.655172	11137.591379	0.00	5	------	------	1	0
C14-C15	9.180	40.00000	445609.000000	11140.225000	0.00	5	------	------	1	0
C16-C17	10.441	40.00000	445358.000000	11133.950000	0.00	5	------	------	1	0
C18-C19	11.579	40.00000	446154.000000	11153.850000	0.00	5	------	------	1	0
C20-C23	13.051	40.00000	871408.500000	21785.212500	0.00	5	------	------	1	0
C[illegible]-C27	14.784	40.00000	805271.000000	20131.775000	0.00	5	------	------	1	0
C[illegible]-C31	16.356	40.00000	669676.000000	16741.900000	0.00	5	------	------	1	0
C32-C35	18.348	40.00000	504487.500000	12612.187500	0.00	5	------	------	1	0
C36-C39	21.815	40.00000	400158.850000	10003.971250	0.00	5	------	------	1	0
C40+	27.034	40.00000	171219.650000	4280.491250	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	13038.733611	----------	----------	--------	9
C10-C11	0.000000	14078.463058	----------	----------	--------	9
C12-C13	0.000000	14919.600553	----------	----------	--------	9
C14-C15	0.000000	14602.569444	----------	----------	--------	9
C16-C17	0.000000	14475.860556	----------	----------	--------	9
C18-C19	0.000000	14497.484722	----------	----------	--------	9
C20-C23	0.000000	28316.814583	----------	----------	--------	9
C24-C27	0.000000	26009.215556	----------	----------	--------	9
C28-C31	0.000000	22383.685000	----------	----------	--------	9
C32-C35	0.000000	16982.633472	----------	----------	--------	9
C36-C39	0.000000	13205.233443	----------	----------	--------	9
	0.000000	5561.806696	----------	----------	--------	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 : #TEPH00-168 RT MARKER Time : 10/3/00 09:26 AM
Sample Number: 40 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 04:01 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

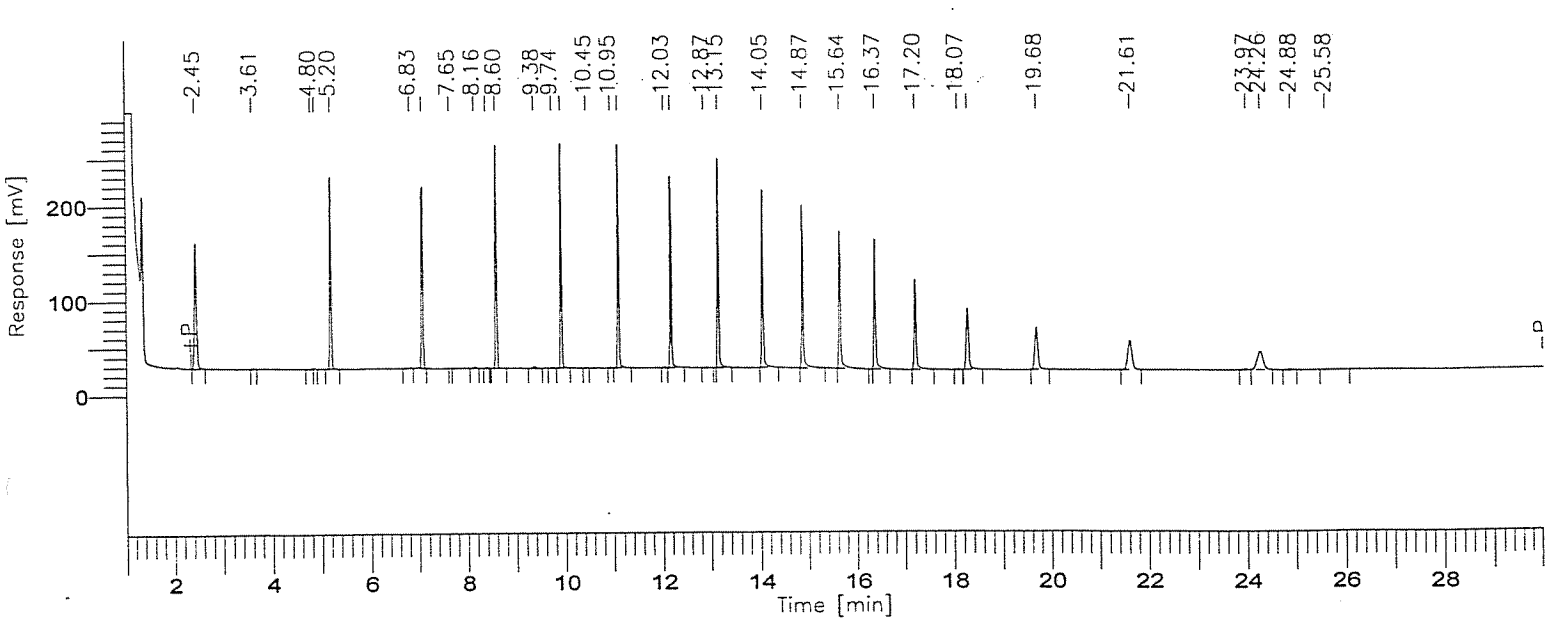
Raw Data File : C:\TC4\DATA_3\930_007.RAW
Result File : C:\TC4\DATA_3\930_007.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_007.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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



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8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	403122	30.9173	-------	10.0	
6.07	C10-C11	426246	30.2765	-------	10.0	
7.77	C12-C13	445504	29.8603	-------	10.0	
9.18	C14-C15	445609	30.5158	-------	10.0	
10.44	C16-C17	445358	30.7656	-------	10.0	
11.58	C18-C19	446154	30.7746	-------	10.0	
13.05	C20-C23	871408	30.7735	-------	10.0	
14.78	C24-C27	805271	30.9610	-------	10.0	
16.36	C28-C31	669676	29.9180	-------	10.0	
18.35	C32-C35	504488	29.7061	-------	10.0	
21.82	C36-C39	400159	30.3031	-------	10.0	
27.03	C40+	171220	30.7849	-------	10.0	
		6034214	365.5566			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		397752	0.3978	-------	10.0	
3.61		1892	0.0019	-------	10.0	
4.80		1318	0.0013	-------	10.0	
4.88		2160	0.0022	-------	10.0	
		403122	0.4031			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		422942	0.4229	-------	10.0	
6.83		3304	0.0033	-------	10.0	
		426246	0.4262			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
08		438071	0.4381	-------	10.0	
7.65		322	0.0003	-------	10.0	
8.16		4821	0.0048	-------	10.0	
8.39		2290	0.0023	-------	10.0	
		445504	0.4455			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		439278	0.4393	-------	10.0	
9.38		4990	0.0050	-------	10.0	
9.74		1342	0.0013	-------	10.0	
		445609	0.4456			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.92		442614	0.4426	-------	10.0	
10.45		933	0.0009	-------	10.0	
10.95		1811	0.0018	-------	10.0	
		445358	0.4454			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		443725	0.4437	-------	10.0	
12.03		2429	0.0024	-------	10.0	
		446154	0.4462			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.17		441394	0.4414	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.87		1410	0.0014	-------	10.0	
13.15		428605	0.4286	-------	10.0	
		871408	0.8714			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.05		410356	0.4104	-------	10.0	
14.87		394916	0.3949	-------	10.0	
		805271	0.8053			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.64		362461	0.3625	-------	10.0	
16.37		307215	0.3072	-------	10.0	
		669676	0.6697			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.20		272154	0.2722	-------	10.0	
18.07		2203	0.0022	-------	10.0	
18.27		230130	0.2301	-------	10.0	
		504488	0.5045			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.68		204996	0.2050	-------	10.0	
21.61		190818	0.1908	-------	10.0	
23.97		4346	0.0043	-------	10.0	

	400159	0.4002

oup Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.26		168104	0.1681	-------	10.0	
24.88		1966	0.0020	-------	10.0	
25.58		1150	0.0012	-------	10.0	
		171220	0.1712			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\930_007.TX0

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-169 RT MARKER
Data File : C:\TC4\DATA_3\930_008.RAW Date: 9/30/00 04:41 PM
Sequence File: C:\TC4\DATA_3\930.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\C8-C40A.mth
Calibration performed at level: 6
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	3.749	50.00000	555543.000000	11110.860000	0.00	6	------	------	1	0
C10-C11	6.074	50.00000	589271.271429	11785.425429	0.00	6	------	------	1	0
C12-C13	7.769	50.00000	617666.228571	12353.324571	0.00	6	------	------	1	0
C14-C15	9.180	50.00000	613035.000000	12260.700000	0.00	6	------	------	1	0
C16-C17	10.441	50.00000	615091.000000	12301.820000	0.00	6	------	------	1	0
C18-C19	11.579	50.00000	616439.000000	12328.780000	0.00	6	------	------	1	0
C20-C23	13.051	50.00000	1204859.000000	24097.180000	0.00	6	------	------	1	0
C24-C27	14.784	50.00000	1124656.500000	22493.130000	0.00	6	------	------	1	0
C28-C31	16.356	50.00000	927712.500000	18554.250000	0.00	6	------	------	1	0
C32-C35	18.348	50.00000	717781.000000	14355.620000	0.00	6	------	------	1	0
C36-C39	21.815	50.00000	580556.267442	11611.125349	0.00	6	------	------	1	0
C40+	27.034	50.00000	246423.232558	4928.464651	0.00	6	------	------	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	13117.125278	----------	----------	--------	9
C10-C11	0.000000	14197.485630	----------	----------	--------	9
C12-C13	0.000000	15133.329648	----------	----------	--------	9
C14-C15	0.000000	14791.752778	----------	----------	--------	9
C16-C17	0.000000	14668.400556	----------	----------	--------	9
C18-C19	0.000000	14673.164722	----------	----------	--------	9
C20-C23	0.000000	28598.594583	----------	----------	--------	9
C24-C27	0.000000	26018.060556	----------	----------	--------	9
C28-C31	0.000000	21756.066667	----------	----------	--------	9
C32-C35	0.000000	15683.706806	----------	----------	--------	9
C36-C39	0.000000	11443.640357	----------	----------	--------	9
	0.000000	4672.403115	----------	----------	--------	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 : #TEPH00-169 RT MARKER Time : 10/3/00 09:26 AM
Sample Number: 50 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 04:41 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

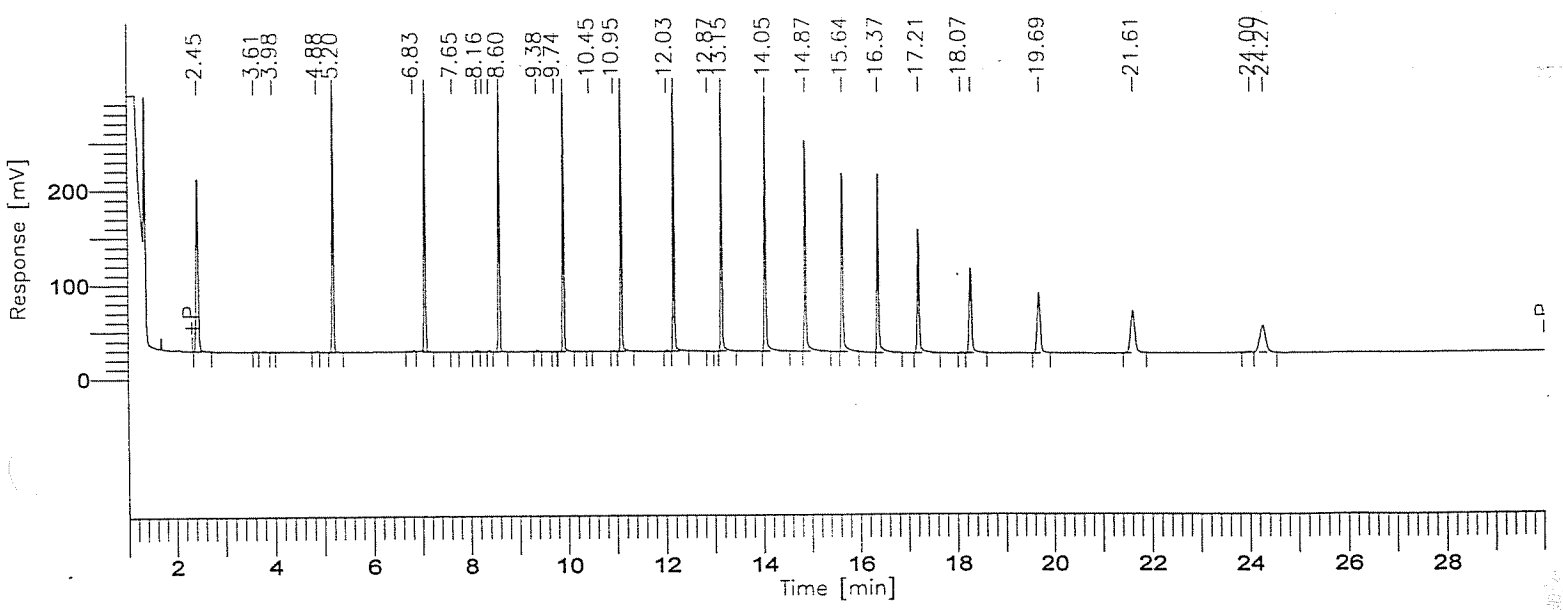
Raw Data File : C:\TC4\DATA_3\930_008.RAW
Result File : C:\TC4\DATA_3\930_008.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_008.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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: 33



000321

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	555543	42.3525	-------	10.0	
6.07	C10-C11	589271	41.5053	-------	10.0	
7.77	C12-C13	617666	40.8150	-------	10.0	
9.18	C14-C15	613035	41.4444	-------	10.0	
10.44	C16-C17	615091	41.9331	-------	10.0	
11.58	C18-C19	616439	42.0113	-------	10.0	
13.05	C20-C23	1204859	42.1300	-------	10.0	
14.78	C24-C27	1124656	43.2260	-------	10.0	
16.36	C28-C31	927712	42.6416	-------	10.0	
18.35	C32-C35	717781	45.7660	-------	10.0	
21.82	C36-C39	580556	50.7318	-------	10.0	
27.03	C40+	246423	52.7401	-------	10.0	
		8409034	527.2971			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		549737	0.5497	-------	10.0	
3.61		2086	0.0021	-------	10.0	
3.98		573	0.0006	-------	10.0	
4.88		3147	0.0031	-------	10.0	
		555543	0.5555			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		583106	0.5831	-------	10.0	
6.83		6165	0.0062	-------	10.0	
		589271	0.5893			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.08		606860	0.6069	-------	10.0	
7.65		429	0.0004	-------	10.0	
8.16		5921	0.0059	-------	10.0	
8.27		1112	0.0011	-------	10.0	
8.39		3344	0.0033	-------	10.0	
		617666	0.6177			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		606258	0.6063	-------	10.0	
9.38		5028	0.0050	-------	10.0	
9.74		1749	0.0017	-------	10.0	
		613035	0.6130			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.92		611843	0.6118	-------	10.0	
10.45		1091	0.0011	-------	10.0	
10.95		2157	0.0022	-------	10.0	
		615091	0.6151			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		613036	0.6130	-------	10.0	
12.03		3403	0.0034	-------	10.0	
		616439	0.6164			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

12.17	610120	0.6101	-------	10.0	
12.87	945	0.0009	-------	10.0	
1[illegible] 15	593793	0.5938	-------	10.0	
	1204859	1.2049			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.05		575535	0.5755	-------	10.0	
14.87		549122	0.5491	-------	10.0	
		1124656	1.1247			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.64		488080	0.4881	-------	10.0	
[illegible] 37		439632	0.4396	-------	10.0	
		927712	0.9277			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.21		384669	0.3847	-------	10.0	
18.07		2284	0.0023	-------	10.0	
18.27		330828	0.3308	-------	10.0	
		717781	0.7178			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible] 69		294552	0.2946	-------	10.0	
21.61		279211	0.2792	-------	10.0	
24.00		6793	0.0068	-------	10.0	
		580556	0.5806			

Group Report For : C40+

Time [n]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.27		246423	0.2464	-------	10.0	
		246423	0.2464			

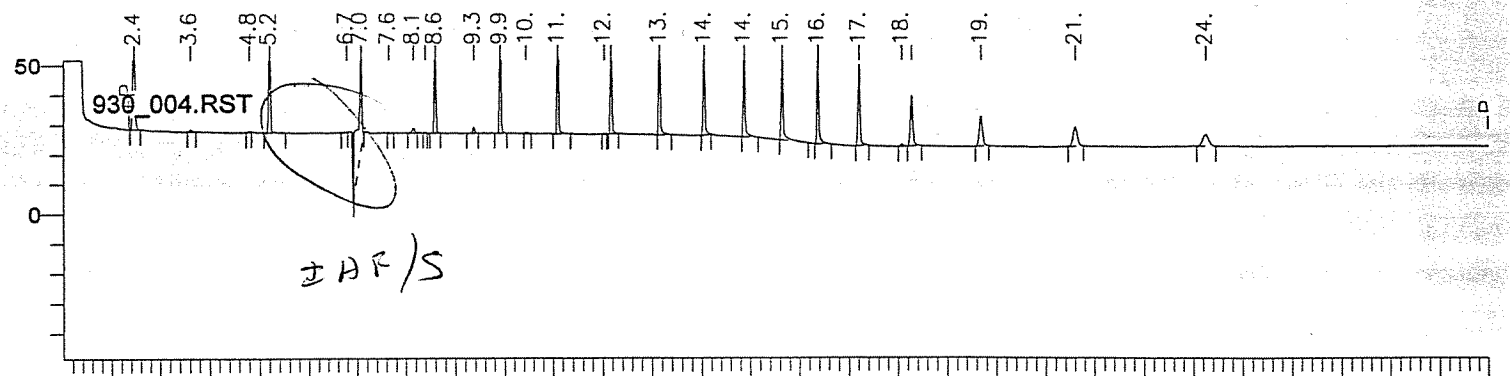
Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\930_008.TX0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11.
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16.
17.
18.
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14
16
18
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24
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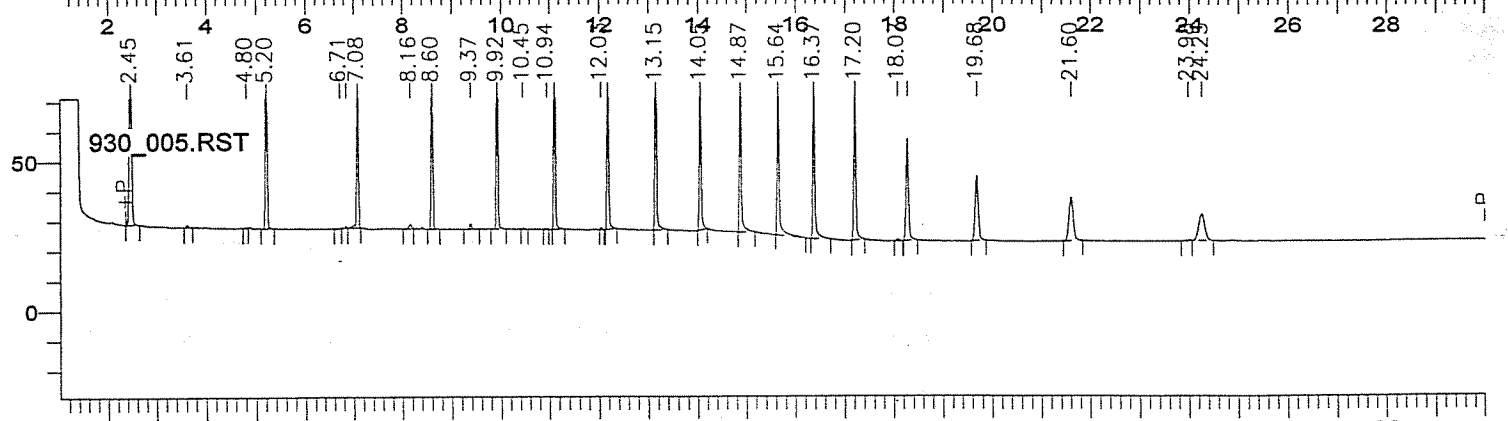
28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12.02
13.15
14.04
14.87
15.64
16.37
17.20
18.07
19.68
21.60
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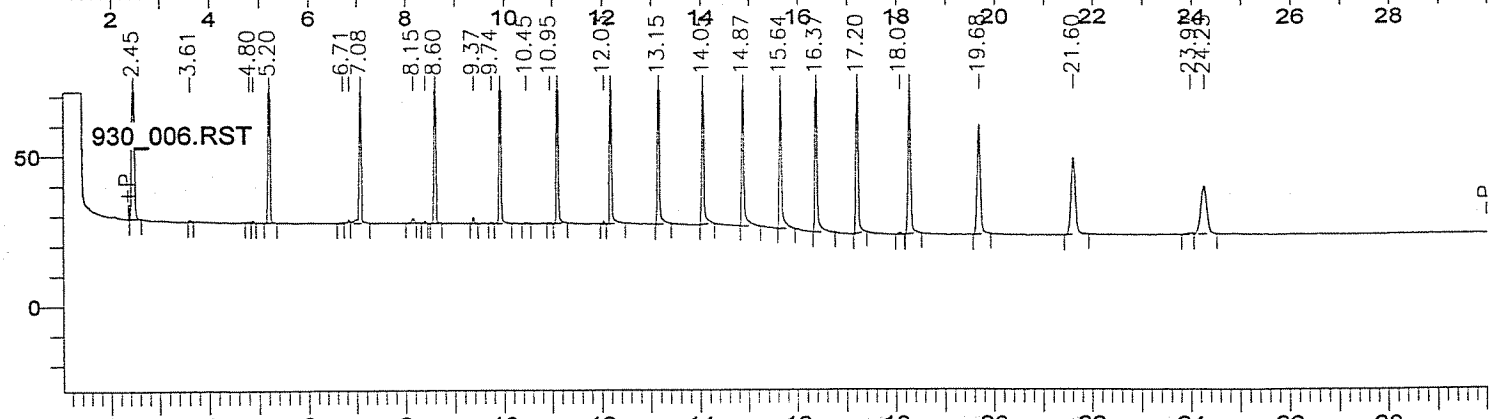
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10.95
12.02
13.15
14.04
14.87
15.64
16.37
17.20
18.07
19.68
21.60
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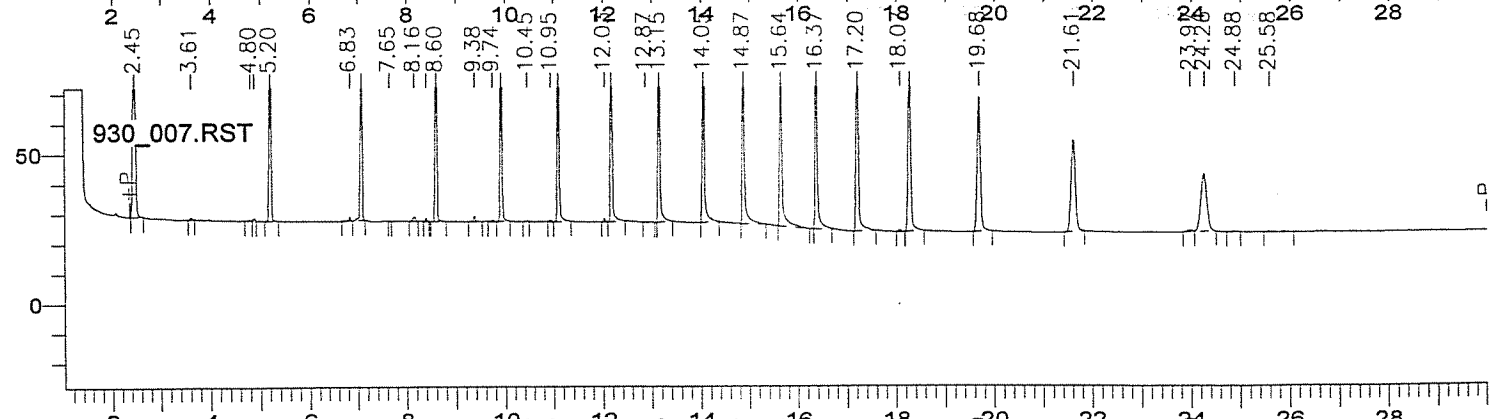
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13.15
14.04
14.87
15.64
16.37
17.20
18.07
19.68
21.61
23.96
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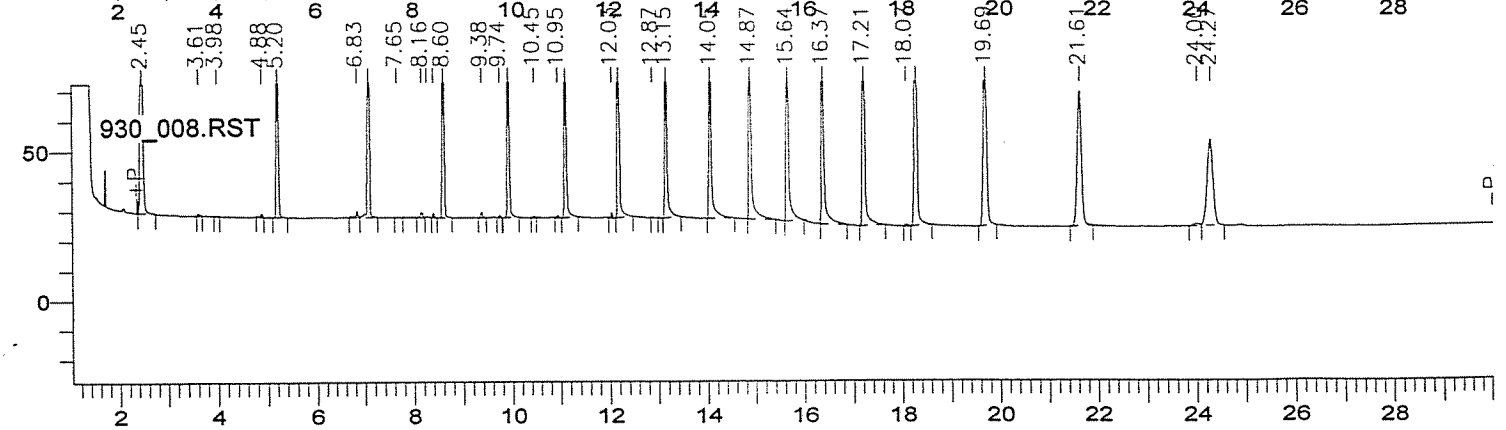
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10.45
10.95
12.02
12.87
13.15
14.04
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15.64
16.37
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24.27
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12
14
16
18
20
22
24
26
28

000326

Plot Title	Start Time	End Time	Scale (mV)	Offset (mV)
930_004.RST	1.00	30.00	100.00	-48.30

Sample Name : #TEPH00-165 RT MARKER
Sample Number : 10 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

930_005.RST	1.00	30.00	100.00	-28.73

Sample Name : #TEPH00-166 RT MARKER
Sample Number : 20 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

930_006.RST	1.00	30.00	100.00	-28.42

Sample Name : #TEPH00-167 RT MARKER
Sample Number : 30 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

930_007.RST	1.00	30.00	100.00	-28.00

Sample Name : #TEPH00-168 RT MARKER
Sample Number : 40 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

930_008.RST	1.00	30.00	100.00	-27.38

Sample Name : #TEPH00-169 RT MARKER
Sample Number : 50 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

Turbochrom Sequence File : C:\TC4\DATA_3\930.SEQ
Created by : EM on : 9/30/00 11:56 AM
Edited by : EC on : 10/3/00 08:15 AM
Description :

Number of Times Edited : 2

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	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	215-MB	DL3FR103B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	215-LCS	DL3FR104C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	215-01	DL1JW102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	215-02	DL1K2102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	215-03	DL1K4102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Sample	215-04	DL1K8102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	215-05	DL1K9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	215-06	DL1KC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
17	Sample	215-06 MS	DL1KC10QS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
18	Sample	215-06 MSD	DL1KC10RD	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	215-07	DL1KE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	215-08	DL1KG102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	215-10	DL1KJ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	215-11	DL1KK102	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Std Check	#EPH00-167 RT M	30 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000