TEPH

SAMPLE AND QC DATA

$C_8 \rightarrow C_{40}$

Date(s) Analyzed: 10-19 → 10-24-00

Instrument ID: GC1 GC2 GC3

Lab #: EOJ110284

Batch #: 0286486

Samples: B, C, 1, 2, 3, 4, 6, 11, 13, 14, 15, 21, 22, 23, 24,

EOJ060359-2, 2S, 2D Batch QC

EXTRACTION NOTES

BOE-C6-0164154

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

10/17

Run Date: 10/12/00
Time: 18:57:45

QC BATCH: 0286486

PREP DATE: 10/12/00
COMP DATE: 10/12/00

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
10/20/00	10/12/00	E0J060359-011 **DLQ26-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/20/00	10/12/00	E0J060359-012 **DLQ27-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-001 **DM09M-1-AC**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-002 **DM09P-1-AC**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-003 **DM09Q-1-AC**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-004 **DM09R-1-AD**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-006 **DM09V-1-AD**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-011 **DM093-1-AC**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-013 **DM098-1-AD**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-014 **DM1AA-1-AD**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

C-chan

000963

BOE-C6-0164155

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/12/00
Time: 18:57:45

QC BATCH: 0286486

PREP DATE: 10/12/00
COMP DATE: 10/12/00

000964

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/25/00	10/17/00	E0J110284-015 **DM1AE-1-AD**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-021 **DM1AR-1-AD**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-022 **DM1AV-1-AD**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-023 **DM1AX-1-AD**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-024 **DM1A1-1-AD**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/20/00	0/00/00	E0J120000-486 **DM3KJ-1-AAB**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/20/00	0/00/00	E0J120000-486 **DM3KJ-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/T23272 NA2SO4/8024
METHOD: SOLID /SOLVENT EXTRACTION (AUTO SHAKER).
RELINQUISHED BY/DATE: CA 10-13-00 RECEIVED BY/DATE: EC 10-13-00

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

NUMBER OF WORK ORDERS IN BATCH: 24

BOE-C6-0164156

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/12/00
Time: 18:57:45

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: 0286486 *
****

PREP DATE: 10/12/00
COMP DATE: 10/12/00

Reviewer/Date: APAHIDEC / 10/12/00

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 ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/20/00	10/12/00	E0J060359-002 DLQ16-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/20/00	10/12/00	E0J060359-002 DLQ16-1-04S	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/20/00	10/12/00	E0J060359-002 DLQ16-1-05D	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/20/00	10/12/00	E0J060359-005 DLQ20-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/20/00	10/12/00	E0J060359-006 DLQ21-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/20/00	10/12/00	E0J060359-008 DLQ23-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/20/00	10/12/00	E0J060359-009 DLQ24-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

000965

BOE-C6-0164157

Turbochrom Sequence File : C:\TC4\DATA_01\O23.SEQ
Created by : doug on : 10/23/00 07:33 AM
Edited by : EC on : 10/24/00 04:51 PM
Description :

Number of Times Edited : 9

Sequence File Header Information:

FJK 10/27/00

Number of Rows : 115
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 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	274-LCS	DM1DR1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	274-02	DLW5L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	274-02 MS	DLW5L105S	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	274-02 MSD	DLW5L106D	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	274-03	DLW5Q102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	274-05	DLW5W102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Sample	274-06	DLW5X102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	274-07	DLW61102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
16	Sample	274-09	DLW6K101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	274-10	DLW6N101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	274-11	DLW6R102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	274-12	DLW6W102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	274-14	DLW70102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	274-15	DLW73102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	274-16	DLW75102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	274-17	DLW76102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	274-18	DLW77102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	274-20	DLW79102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	274-22	DLW7C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	274-24	DLW7H102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	274-25	DLW7K102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	274-11	DLW6R102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	274-12	DLW6W102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	274-14	DLW70102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	274-15	DLW73102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	274-16	DLW75102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	274-17	DLW76102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	274-18	DLW77102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	274-20	DLW79102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	274-22	DLW7C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	274-24	DLW7H102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	274-25	DLW7K102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	284-01	DM09M1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	274-11	DLW6R102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	274-16	DLW75102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	274-02	DLW5L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample	284-01	DM09M1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	284-02	DM09P1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	284-03	DM09Q1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	284-04	DM09R1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	284-06	DM09V1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

61	Sample	284-11	DM0931AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
62	Sample	284-13	DM0981AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	284-14	DM1AA1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	284-15	DM1AE1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
66	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
67	Sample	284-21	DM1AR1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	284-22	DM1AV1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	284-23	DM1AX1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
70	Sample	284-24	DM1A11AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
71	Sample	MECL2	MECL2	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
72	Sample	284-MB	DM3K31AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
73	Sample	284-LCS	DM3K31ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample	284-25	DM1A31AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample	284-26	DM1A51AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample	284-27	DM1A61AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
86	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
91	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
93	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
94	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
95	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
96	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
98	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
101	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
102	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
105	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
107	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
108	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
109	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
110	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
111	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
112	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
113	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
114	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
115	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD
Sample Number: 1000 PPM
Operator :

Time : 10/25/00 04:03 PM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 05:32 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Diesel

Raw Data File : C:\TC4\DATA_01\O23_054.RAW
Result File : C:\TC4\DATA_01\O23_054.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_054.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_054.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_054.R
Sequence File : C:\TC4\DATA_01\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

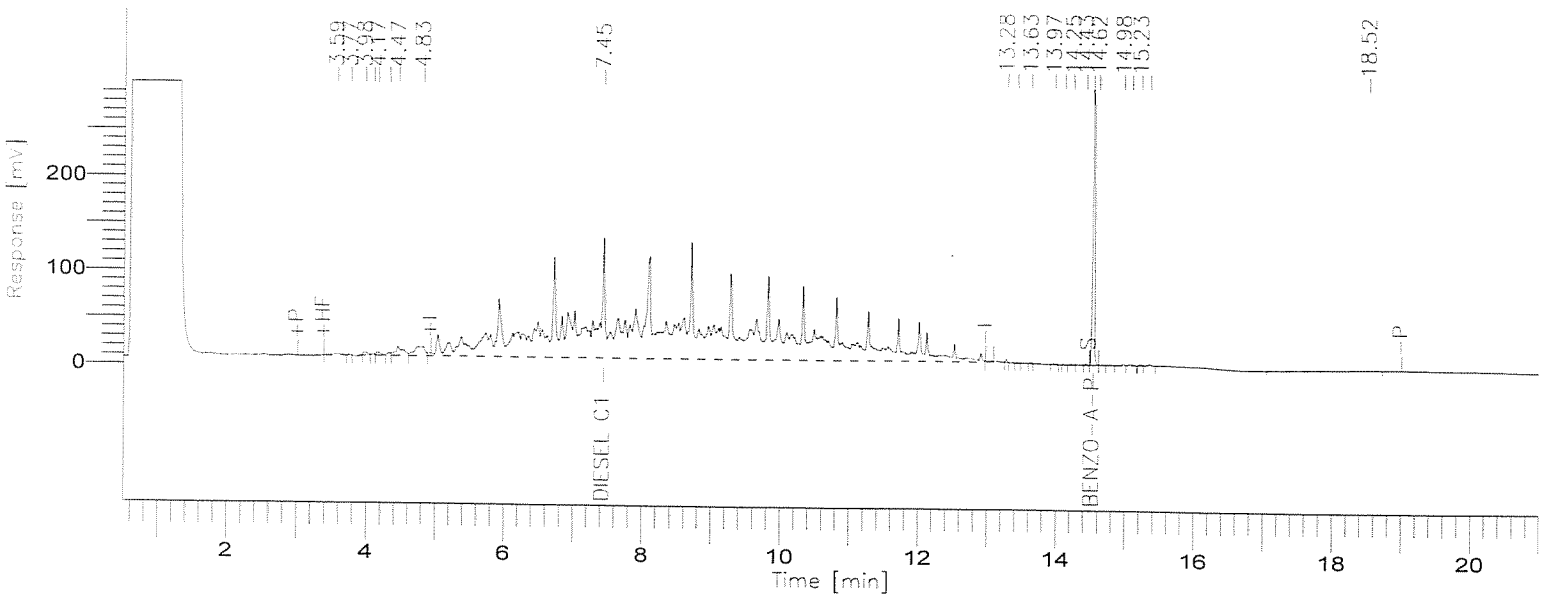
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User2 :
User4 :

Instrument Conditions:

Total number of peaks detected: 23



000968

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.585		12448	0.0124	------	----------
3.773		2119	0.0021	------	----------
3.984		14601	0.0146	------	----------
4.103		4433	0.0044	------	----------
4.174		14768	0.0148	------	----------
4.337		10270	0.0103	------	----------
4.469		74471	0.0745	------	----------
4.829		104285	0.1043	------	----------
7.451	DIESEL C10-C24	11166649	1094.2333	1000.0	9.42
13.282		4585	0.0046	------	----------
13.431		462	0.0005	------	----------
13.633		1817	0.0018	------	----------
13.969		956	0.0010	------	----------
14.116		418	0.0004	------	----------
14.249		2446	0.0024	------	----------
14.433		3039	0.0030	------	----------
14.540	BENZO-A-PYRENE	648899	51.5602	50.0	3.12
14.617		718	0.0007	------	----------
14.981		3676	0.0037	------	----------
15.098		4076	0.0041	------	----------
15.230		2578	0.0026	------	----------
15.355		2765	0.0028	------	----------
18.524		24158	0.0242	------	----------
		12104638	1146.0826		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_054.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER
Sample Number: 30 PPM
Operator :

Time : 10/25/00 04:04 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 06:02 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_055.RAW
Result File : C:\TC4\DATA_01\O23_055.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O23_055.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O23_055.RS
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O23_055.RS
Sequence File : C:\TC4\DATA_01\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

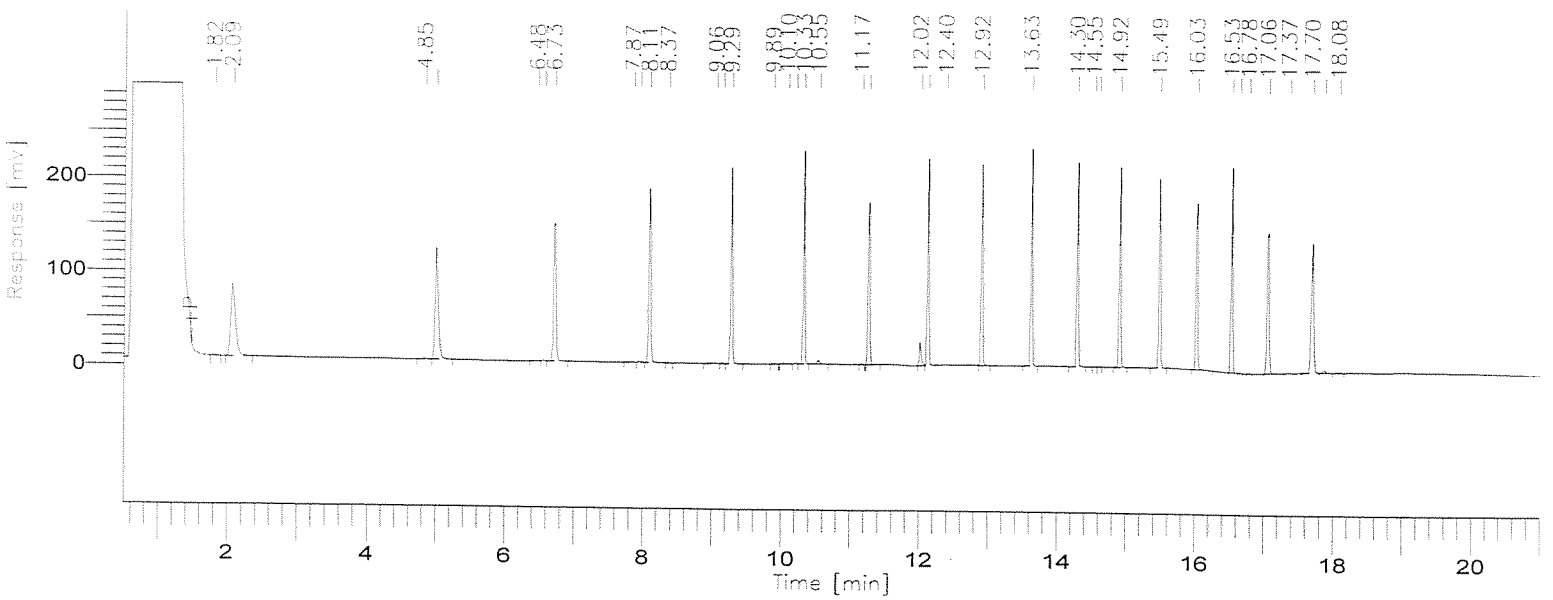
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User2 :
User4 :

Instrument Conditions:

Total number of peaks detected: 40



000970

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	372495	37.2798	30.0	24.27
5.771	C10-C11	391521	37.1060	30.0	23.69
7.314	C12-C13	390587	36.3976	30.0	21.33
8.586	C14-C15	384219	31.8963	30.0	6.32
9.691	C16-C17	378855	35.0030	30.0	16.68
10.720	C18-C19	378160	31.4888	30.0	4.96
12.018	C20-C23	783603	36.0895	30.0	20.30
13.534	C24-C27	728134	34.6905	30.0	15.63
14.819	C28-C31	726804	33.8553	30.0	12.85
15.898	C32-C35	722379	33.5561	30.0	11.85
16.989	C36-C39	711710	33.2293	30.0	10.76
19.290	C40+	347924	33.6989	30.0	12.33
		6316389	414.2911		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.087		370840	0.3708	------	----------
4.853		1656	0.0017	------	----------
		372495	0.3725		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.018		388056	0.3881	------	----------
6.484		1164	0.0012	------	----------
6.579		2301	0.0023	------	----------
		391521	0.3915		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
6.726		384643	0.3846	------	----------
7.867		2185	0.0022	------	----------
7.967		3759	0.0038	------	----------
		390587	0.3906		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.105		381031	0.3810	------	----------
8.368		455	0.0005	------	----------
9.062		2733	0.0027	------	----------
		384219	0.3842		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.163		2398	0.0024	------	----------
9.286		373212	0.3732	------	----------
9.889		448	0.0004	------	----------
10.101		1492	0.0015	------	----------
10.216		1305	0.0013	------	----------
		378855	0.3789		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.334		365185	0.3652	------	----------
10.549		10927	0.0109	------	----------
11.169		2048	0.0020	------	----------
		378160	0.3782		

Group Report For : C20-C23

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

11.276	364067	0.3641	------	----------
?.020	53380	0.0534	------	----------
_2.132	363603	0.3636	------	----------
12.398	2553	0.0026	------	----------
	783603	0.7836		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.915		362723	0.3627	------	----------
13.633		365410	0.3654	------	----------
		728134	0.7281		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.298		364150	0.3642	------	----------
14.545		441	0.0004	------	----------
14.612		560	0.0006	------	----------
14.915		361652	0.3617	------	----------
		726804	0.7268		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.487		362436	0.3624	------	----------
16.027		359943	0.3599	------	----------
		722379	0.7224		

Group Report For : C36-C39

ime [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.533		356147	0.3561	------	----------
16.647		670	0.0007	------	----------
16.782		363	0.0004	------	----------

000973

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.059		353834	0.3538	------	----------
17.366		697	0.0007	------	----------
		711710	0.7117		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.700		338298	0.3383	------	----------
17.872		8410	0.0084	------	----------
18.075		1216	0.0012	------	----------
		347924	0.3479		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_055.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD
Sample Number: 1000 PPM
Operator :

Time : 10/24/00 11:25 PM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 11:04 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_065.RAW
Result File : C:\TC4\DATA_01\O23_065.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_065.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

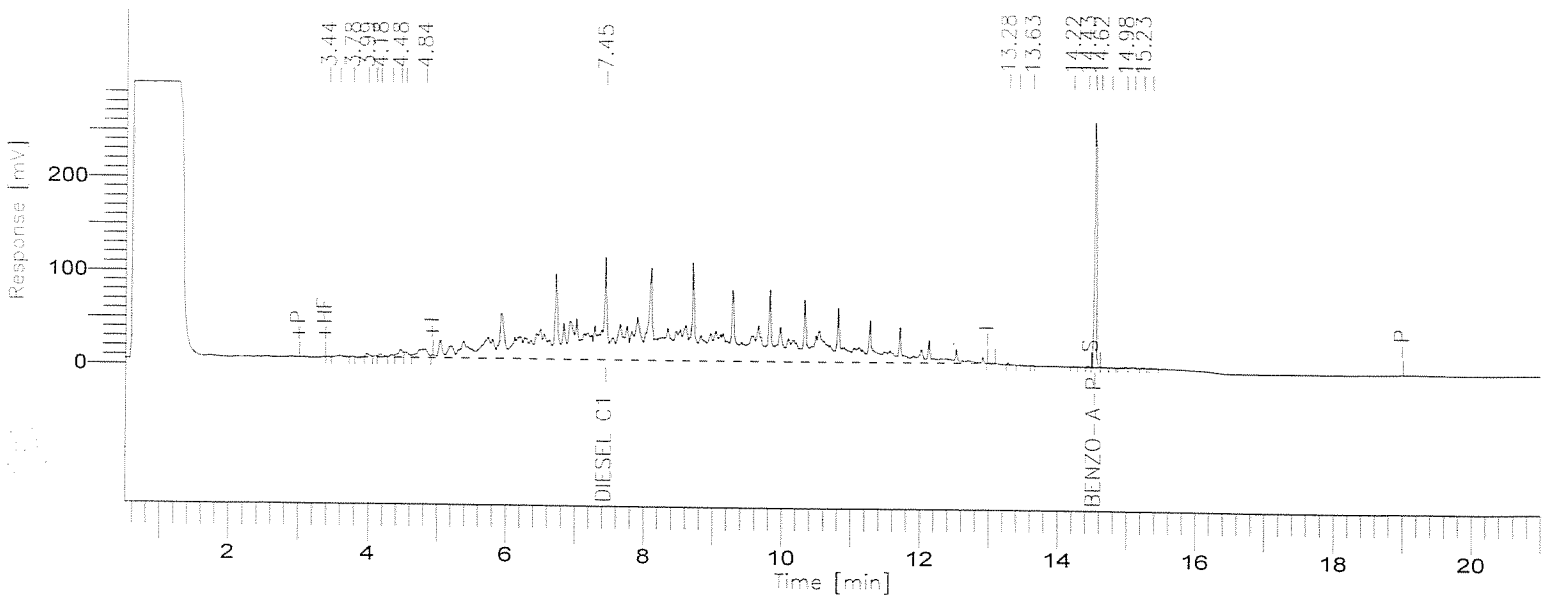
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



000975

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.441		478	0.0005	------	----------
3.596		11556	0.0116	------	----------
3.782		2191	0.0022	------	----------
3.993		13890	0.0139	------	----------
4.111		4228	0.0042	------	----------
4.181		13915	0.0139	------	----------
4.345		10514	0.0105	------	----------
4.475		40393	0.0404	------	----------
4.548		25804	0.0258	------	----------
4.836		93608	0.0936	------	----------
7.452	DIESEL C10-C24	9476640	928.6273	1000.0	-7.14
13.283		3745	0.0037	------	----------
13.431		610	0.0006	------	----------
13.634		1536	0.0015	------	----------
14.216		2059	0.0021	------	----------
14.433		2535	0.0025	------	----------
14.540	BENZO-A-PYRENE	550714	43.7586	50.0	-12.48
14.617		1099	0.0011	------	----------
14.766		667	0.0007	------	----------
14.982		3173	0.0032	------	----------
15.098		3624	0.0036	------	----------
15.231		2121	0.0021	------	----------
15.358		2003	0.0020	------	----------
		10267102	972.6257		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_065.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER
Sample Number: 30 PPM
Operator :

Time : 10/24/00 11:55 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 11:35 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_066.RAW
Result File : C:\TC4\DATA_01\O23_066.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O23_066.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

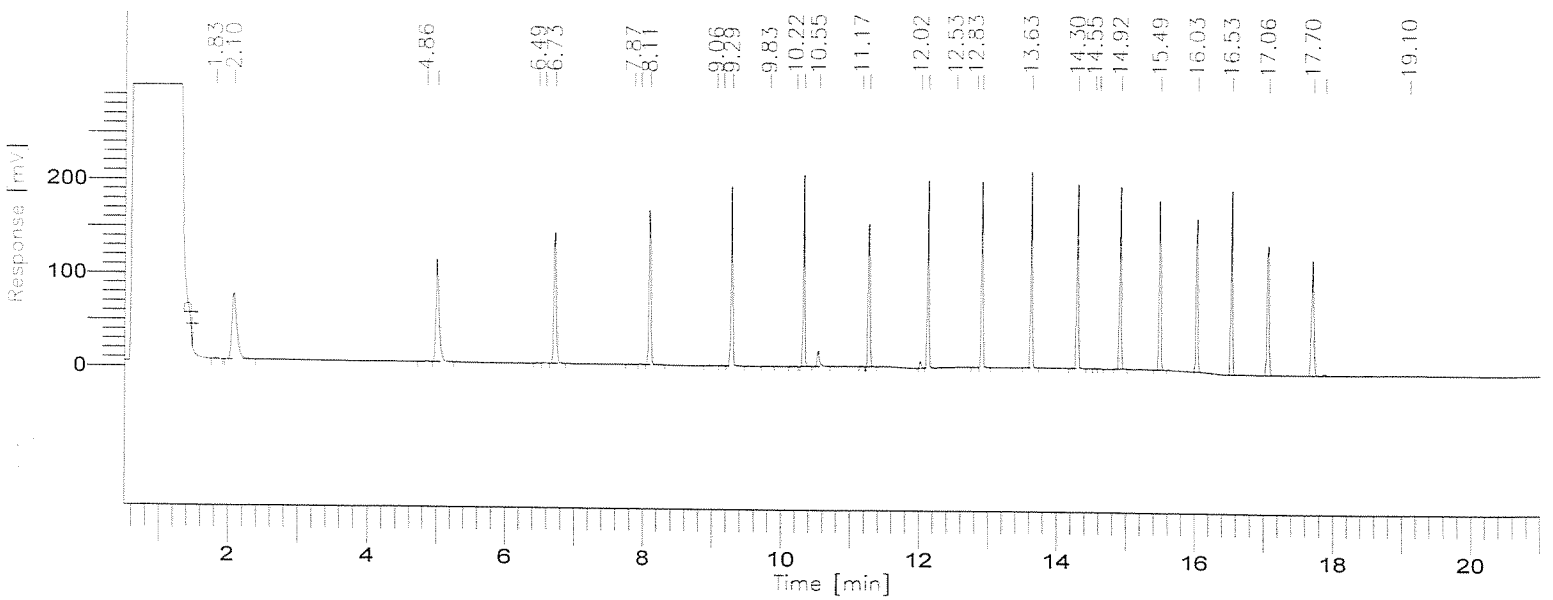
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 36



000977

BOE-C6-0164169

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	353518	35.3806	30.0	17.94
5.771	C10-C11	374955	35.5360	30.0	18.45
7.314	C12-C13	367308	34.2284	30.0	14.09
8.586	C14-C15	355061	29.4757	30.0	-1.75
9.691	C16-C17	348305	32.1804	30.0	7.27
10.720	C18-C19	377006	31.3927	30.0	4.64
12.018	C20-C23	686538	31.6191	30.0	5.40
13.534	C24-C27	658880	31.3910	30.0	4.64
14.819	C28-C31	657638	30.6334	30.0	2.11
15.898	C32-C35	650452	30.2149	30.0	0.72
16.989	C36-C39	628678	29.3525	30.0	-2.16
19.290	C40+	306802	29.7160	30.0	-0.95
		5765140	381.1209		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.095		351682	0.3517	------	----------
4.864		1836	0.0018	------	----------
		353518	0.3535		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.020		371368	0.3714	------	----------
6.489		910	0.0009	------	----------
6.585		2677	0.0027	------	----------
		374955	0.3750		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
6.728		362172	0.3622	------	----------
7.869		1968	0.0020	------	----------
7.970		3167	0.0032	------	----------
		367308	0.3673		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.106		352409	0.3524	------	----------
9.063		2651	0.0027	------	----------
		355061	0.3551		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.162		2591	0.0026	------	----------
9.286		343698	0.3437	------	----------
9.833		850	0.0008	------	----------
10.217		1166	0.0012	------	----------
		348305	0.3483		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.334		332992	0.3330	------	----------
10.547		42178	0.0422	------	----------
11.169		1836	0.0018	------	----------
		377006	0.3770		

oup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.275		330452	0.3305	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.022		17869	0.0179	------	----------
12.133		329540	0.3295	------	----------
12.533		8676	0.0087	------	----------
		686538	0.6865		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.830		471	0.0005	------	----------
12.915		328226	0.3282	------	----------
13.633		330182	0.3302	------	----------
		658880	0.6589		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.298		329458	0.3295	------	----------
14.547		663	0.0007	------	----------
14.612		508	0.0005	------	----------
14.915		327009	0.3270	------	----------
		657638	0.6576		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.487		326872	0.3269	------	----------
16.028		323580	0.3236	------	----------
		650452	0.6505		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.533		317161	0.3172	------	----------

000980

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.060		311517	0.3115	------	----------
		628678	0.6287		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.700		299067	0.2991	------	----------
17.873		4329	0.0043	------	----------
19.097		3406	0.0034	------	----------
		306802	0.3068		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_066.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/25/00 05:26 AM
Sample Number: 1000 PPM Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 05:06 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

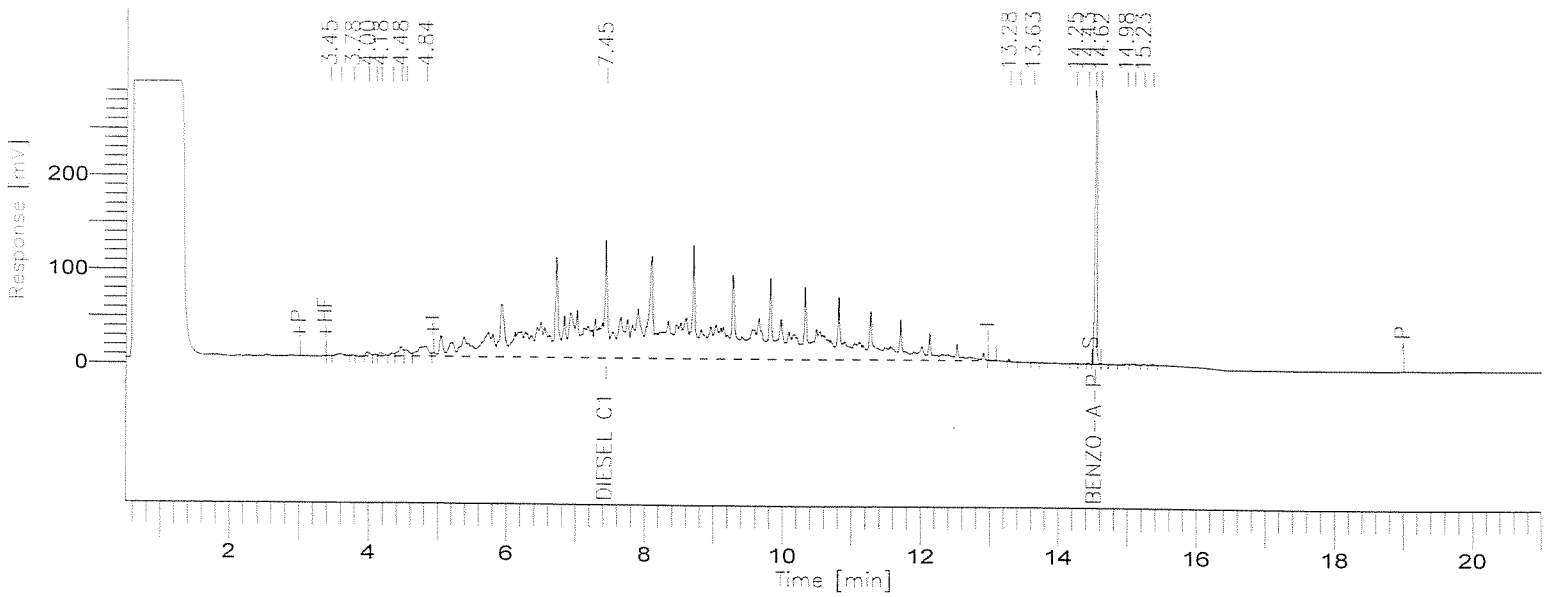
Raw Data File : C:\TC4\DATA_01\O23_077.RAW
Result File : C:\TC4\DATA_01\O23_077.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_077.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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: 22



000982

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.450		911	0.0009	------	----------
3.599		14938	0.0149	------	----------
3.784		3107	0.0031	------	----------
3.995		16994	0.0170	------	----------
4.112		5398	0.0054	------	----------
4.181		17099	0.0171	------	----------
4.345		13000	0.0130	------	----------
4.475		48286	0.0483	------	----------
4.547		31405	0.0314	------	----------
4.836		111903	0.1119	------	----------
7.452	DIESEL C10-C24	11043484	1082.1642	1000.0	8.22
13.283		4644	0.0046	------	----------
13.431		870	0.0009	------	----------
13.634		1726	0.0017	------	----------
14.250		2385	0.0024	------	----------
14.433		2992	0.0030	------	----------
14.541	BENZO-A-PYRENE	631156	50.1503	50.0	0.30
14.617		757	0.0008	------	----------
14.981		3734	0.0037	------	----------
15.098		4425	0.0044	------	----------
15.231		2898	0.0029	------	----------
15.357		2938	0.0029	------	----------
		11965048	1132.6050		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_077.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER
Sample Number: 30 PPM
Operator :

Time : 10/25/00 05:56 AM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 05:36 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_078.RAW
Result File : C:\TC4\DATA_01\O23_078.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O23_078.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

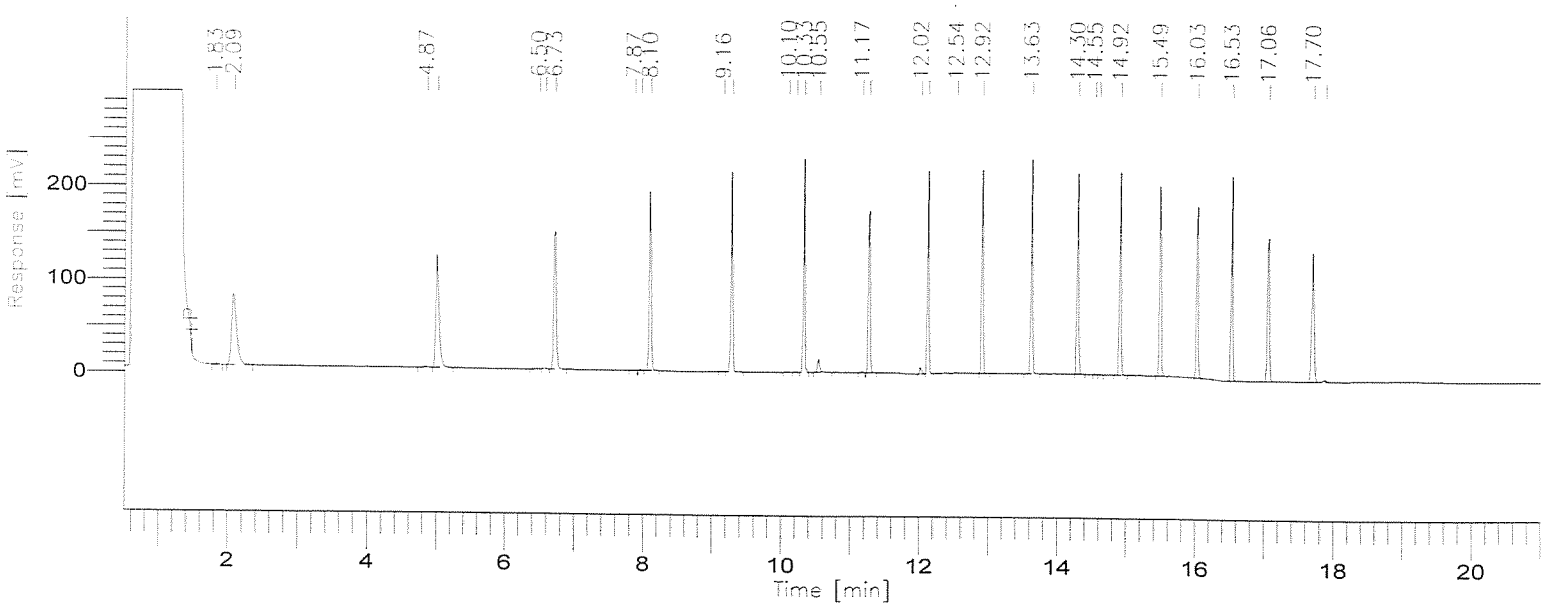
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



000984

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	389008	38.9325	30.0	29.78
5.771	C10-C11	414931	39.3247	30.0	31.08
7.314	C12-C13	404140	37.6606	30.0	25.54
8.586	C14-C15	387428	32.1627	30.0	7.21
9.691	C16-C17	382752	35.3631	30.0	17.88
10.720	C18-C19	405732	33.7848	30.0	12.62
12.018	C20-C23	757092	34.8686	30.0	16.23
13.534	C24-C27	730234	34.7906	30.0	15.97
14.819	C28-C31	729290	33.9711	30.0	13.24
15.898	C32-C35	723157	33.5922	30.0	11.97
16.989	C36-C39	699878	32.6768	30.0	8.92
19.290	C40+	341134	33.0413	30.0	10.14
		6364778	420.1689		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.093		386991	0.3870	------	----------
4.866		2018	0.0020	------	----------
		389008	0.3890		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.019		410758	0.4108	------	----------
6.496		1251	0.0013	------	----------
6.587		2922	0.0029	------	----------
		414931	0.4149		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
6.726		401303	0.4013	------	----------
7.872		941	0.0009	------	----------
7.969		1896	0.0019	------	----------
		404140	0.4041		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.104		387428	0.3874	------	----------
		387428	0.3874		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.163		1640	0.0016	------	----------
9.286		378838	0.3788	------	----------
10.102		1076	0.0011	------	----------
10.218		1198	0.0012	------	----------
		382752	0.3828		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.334		368172	0.3682	------	----------
10.547		35326	0.0353	------	----------
11.170		2234	0.0022	------	----------
		405732	0.4057		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.276		366314	0.3663	------	----------
12.022		17060	0.0171	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.132		365077	0.3651	------	----------
12.539		8641	0.0086	------	----------
		757092	0.7571		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.915		363700	0.3637	------	----------
13.633		366535	0.3665	------	----------
		730234	0.7302		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.298		364955	0.3650	------	----------
14.548		610	0.0006	------	----------
14.611		618	0.0006	------	----------
14.915		363108	0.3631	------	----------
		729290	0.7293		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.487		363316	0.3633	------	----------
16.028		359841	0.3598	------	----------
		723157	0.7232		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.533		353269	0.3533	------	----------
17.060		346609	0.3466	------	----------

	699878	0.6999

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.700		334495	0.3345	------	----------
17.873		6639	0.0066	------	----------
		341134	0.3411		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_078.TX0

G601 016.884

61	Sample	355-29	DLPXJ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
62	Sample	355-31	DLPXN102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
65	Sample	355-32	DLPXP102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	359-04	DLQ1X10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	359-07	DLQ2210M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	359-10	DLQ2510M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
69	Sample	355-MB	DM1E61AAB	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
70	Sample	355-LCS	DM1E61ACC	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
71	Sample	355-LCS	DM1E61ACC	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
72	Sample	355-LCD	DM1E61ADL	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
73	Sample	355-LCS	DM1E61ACC	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
74	Sample	355-25	DLPXD10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1044.000	0.000	100.000
75	Sample	355-LCD	DM1E61ADL	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
76	Sample	355-MB	DLTDQ101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample	355-LCS	DLTDQ102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
80	Sample	355-02	DLPWD101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample	355-03	DLPWE101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample	355-04	DLPWG101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample	355-05	DLPWH101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample	355-06	DLPWJ101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Sample	355-07	DLPWK102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
86	Sample	355-08	DLPWM102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample	355-09	DLPWN102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample	355-10	DLPWP102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample	355-11	DLPWQ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
91	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
92	Sample	355-12	DLPWT101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
93	Sample	355-13	DLPWW101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
94	Sample	355-14	DLPWX101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
95	Sample	355-15	DLPX0101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
96	Sample	355-16	DLPX1101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample	355-17	DLPX2102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
98	Sample	355-18	DLPX3102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample	355-19	DLPX4102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
101	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]02	Sample	359-MB	DM3KJ1AAB	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]3	Sample	359-LCS	DM3KJ1ACC	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]04	Sample	359-02	DLQ16102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
105	Sample	359-02 MS	DLQ16104S	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Sample	359-02 MSD	DLQ16105D	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
107	Sample	359-05	DLQ20102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
108	Sample	359-06	DLQ21102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
109	Sample	359-08	DLQ23102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
110	Sample	359-09	DLQ24102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
111	Sample	359-11	DLQ26102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
112	Sample	359-12	DLQ27102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
~~113~~	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
~~114~~	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
115	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
116	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
117	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
118	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
119	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
120	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
121	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
122	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
123	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
124	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
125	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
126	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

000989

Turbochrom Sequence File : C:\TC4\DATA_01\O16.SEQ
Created by : doug on : 10/16/00 07:48 AM
Edited by : EC on : 10/19/00 08:01 AM
Description :

Number of Times Edited : 16

Sequence File Header Information:

Number of Rows : 126
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 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	314-MB	DLTC6101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	314-LCS	DLTC6102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
8	Sample	314-02	DLPFK102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	314-02 MS	DLPFK10WS	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	314-02 MSD	DLPFK10XD	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	314-03	DLPGV102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	314-04	DLPH4102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	314-05	DLPHH102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Sample	314-07	DLPHW102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	314-09	DLPJ4102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
16	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	314-10	DLPJ7102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	314-12	DLPJR102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	314-13	DLPK1102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	314-14	DLPK3102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	314-15	DLPK5102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	314-16	DLPK7102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	314-17	DLPK8102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	314-18	DLPKC102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	314-19	DLPKD102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	314-21	DLPKH102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	314-22	DLPKN102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	314-23	DLPKP102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	314-24	DLPKQ101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	314-25	DLPKR101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	359-01	DLQ1210M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	359-01 MS	DLQ1210PS	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	359-01 MSD	DLQ1210QD	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	314-14	DLPK3102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	314-14 2X	DLPK3102	ICAL 8/28/	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
50	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Std Check	#TEPH00-195 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample	355-MB	DLTE6101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	355-LCS	DLTE5102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	355-21	DLPX7101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	355-22	DLPX8101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	355-23	DLPX9101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	355-24	DLPXA101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	355-26	DLPXE102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	355-27	DLPXF102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/19/00 11:32 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
C rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/18/00 11:56 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

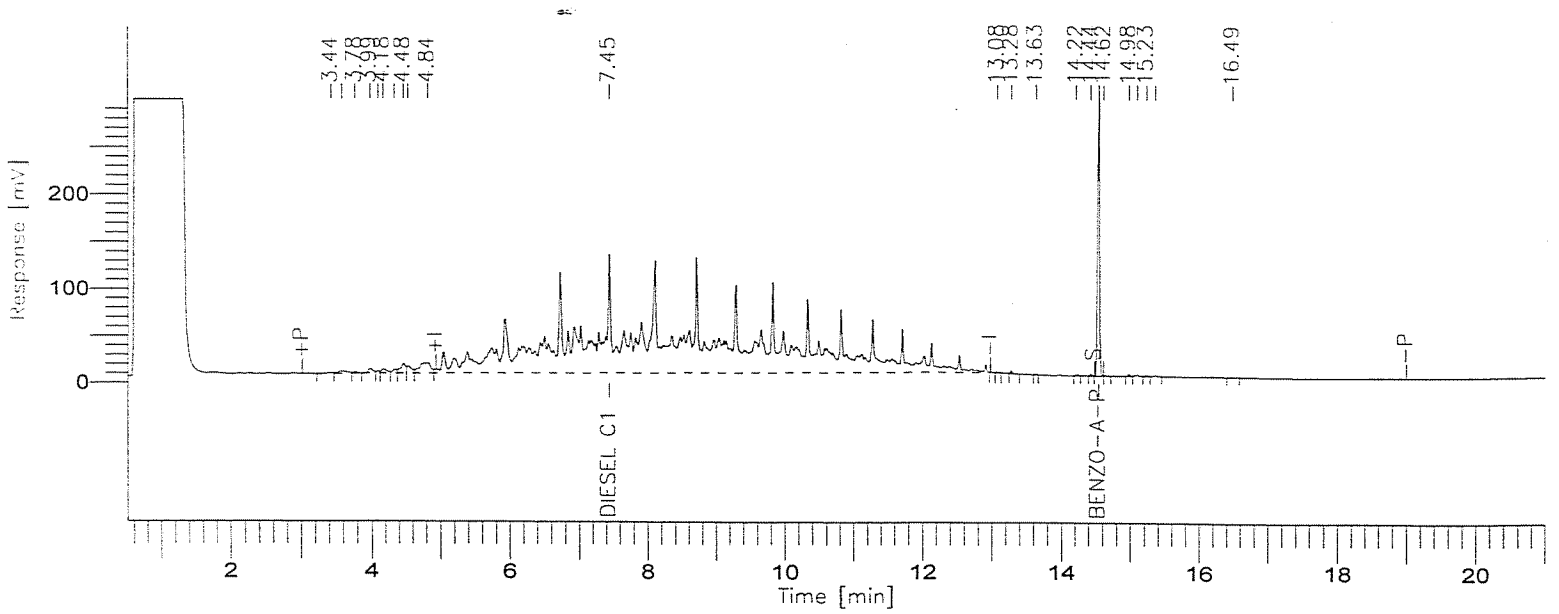
Raw Data File : C:\TC4\DATA_01\O16_100.RAW
Result File : C:\TC4\DATA_01\O16_100.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_100.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_100.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_100.R
Sequence File : C:\TC4\DATA_01\O16.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
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



000991

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.440		6299	0.0063	------	----------
3.592		24403	0.0244	------	----------
3.781		6430	0.0064	------	----------
3.990		23465	0.0235	------	----------
4.110		7976	0.0080	------	----------
4.182		23906	0.0239	------	----------
4.345		17925	0.0179	------	----------
4.477		55288	0.0553	------	----------
4.545		37234	0.0372	------	----------
4.835		126984	0.1270	------	----------
7.453	DIESEL C10-C24	11557165	1563.4871	1000.0	56.35
13.077		2125	0.0021	------	----------
13.283		4859	0.0049	------	----------
13.634		1827	0.0018	------	----------
14.218		2830	0.0028	------	----------
14.435		3222	0.0032	------	----------
14.547	BENZO-A-PYRENE	696100	65.9636	50.0	31.93
14.617		891	0.0009	------	----------
14.983		3590	0.0036	------	----------
15.099		4361	0.0044	------	----------
15.233		2755	0.0028	------	----------
15.362		2887	0.0029	------	----------
16.485		904	0.0009	------	----------
		12613424	1629.8108		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_100.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/19/00 11:29 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/18/00 11:56 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

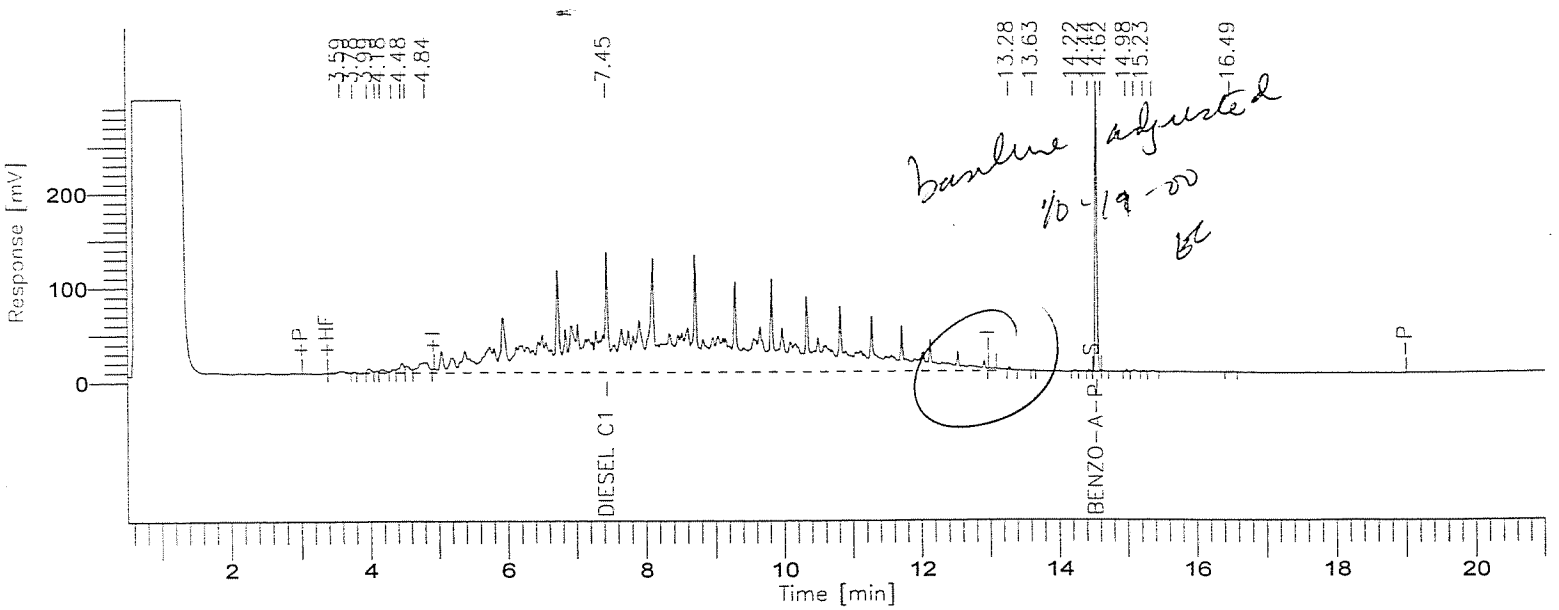
Raw Data File : C:\TC4\DATA_01\O16_100.RAW
Result File : C:\TC4\DATA_01\O16_100.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_100.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_100.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_100.R
Sequence File : C:\TC4\DATA_01\O16.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



000993

BOE-C6-0164185

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.592		15117	0.0151	------	----------
3.781		3000	0.0030	------	----------
3.990		18185	0.0182	------	----------
4.110		5937	0.0059	------	----------
4.182		19617	0.0196	------	----------
4.345		15295	0.0153	------	----------
4.477		52067	0.0521	------	----------
4.545		34683	0.0347	------	----------
4.835		121829	0.1218	------	----------
7.453	DIESEL C10-C24	12026186	1626.9376	1000.0	62.69
13.283		4859	0.0049	------	----------
13.634		1827	0.0018	------	----------
14.218		2830	0.0028	------	----------
14.435		3222	0.0032	------	----------
14.547	BENZO-A-PYRENE	696100	65.9636	50.0	31.93
14.617		891	0.0009	------	----------
14.983		3590	0.0036	------	----------
15.099		4361	0.0044	------	----------
15.233		2755	0.0028	------	----------
15.362		2887	0.0029	------	----------
16.485		904	0.0009	------	----------
		13036142	1693.2150		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_100.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-195 RT MARKER Time : 10/19/00 11:29 AM
Sample Number: 30 PPM Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 12:26 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

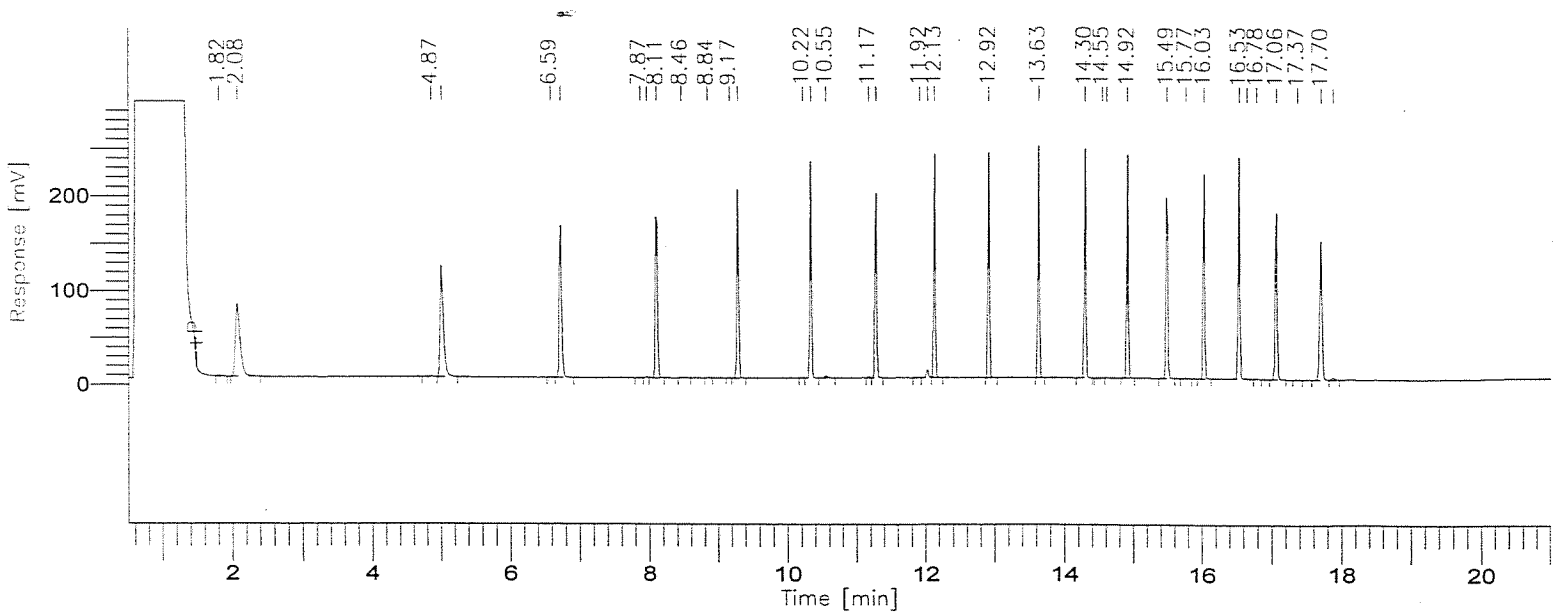
Raw Data File : C:\TC4\DATA_01\O16_101.RAW
Result File : C:\TC4\DATA_01\O16_101.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O16_101.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O16_101.RS
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O16_101.RS
Sequence File : C:\TC4\DATA_01\O16.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: 37



000995

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	380984	38.1295	30.0	27.10
5.771	C10-C11	405754	38.4550	30.0	28.18
7.314	C12-C13	399133	37.1940	30.0	23.98
8.586	C14-C15	387736	32.1883	30.0	7.29
9.691	C16-C17	382470	35.3370	30.0	17.79
10.720	C18-C19	383395	31.9248	30.0	6.42
12.018	C20-C23	775220	35.7035	30.0	19.01
13.534	C24-C27	761607	36.2853	30.0	20.95
14.819	C28-C31	768773	35.8102	30.0	19.37
15.898	C32-C35	766865	35.6225	30.0	18.74
16.989	C36-C39	761894	35.5723	30.0	18.57
19.290	C40+	364982	35.3511	30.0	17.84
		6538814	427.5735		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.082		379003	0.3790	------	----------
4.865		1982	0.0020	------	----------
		380984	0.3810		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.020		403654	0.4037	------	----------
6.587		2100	0.0021	------	----------
		405754	0.4058		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
.730		396295	0.3963	------	----------
7.873		977	0.0010	------	----------
7.970		1860	0.0019	------	----------
		399133	0.3991		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.107		386460	0.3865	------	----------
8.455		782	0.0008	------	----------
8.837		494	0.0005	------	----------
		387736	0.3877		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.165		1072	0.0011	------	----------
9.288		379813	0.3798	------	----------
10.218		1585	0.0016	------	----------
		382470	0.3825		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.335		375537	0.3755	------	----------
10.552		5546	0.0055	------	----------
11.171		2312	0.0023	------	----------
		383395	0.3834		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.279		376675	0.3767	------	----------
11.915		512	0.0005	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.028		20506	0.0205	------	----------
12.133		377527	0.3775	------	----------
		775220	0.7752		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.916		378770	0.3788	------	----------
13.634		382837	0.3828	------	----------
		761607	0.7616		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.300		384371	0.3844	------	----------
14.550		655	0.0007	------	----------
14.614		1136	0.0011	------	----------
14.916		382611	0.3826	------	----------
		768773	0.7688		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.489		384518	0.3845	------	----------
15.767		407	0.0004	------	----------
16.031		381940	0.3819	------	----------
		766865	0.7669		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.534		383177	0.3832	------	----------
16.649		2812	0.0028	------	----------

000998

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.782		868	0.0009	------	----------
17.063		374474	0.3745	------	----------
17.366		563	0.0006	------	----------
		761894	0.7619		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.702		358356	0.3584	------	----------
17.875		6626	0.0066	------	----------
		364982	0.3650		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_101.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/19/00 08:28 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 08:07 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

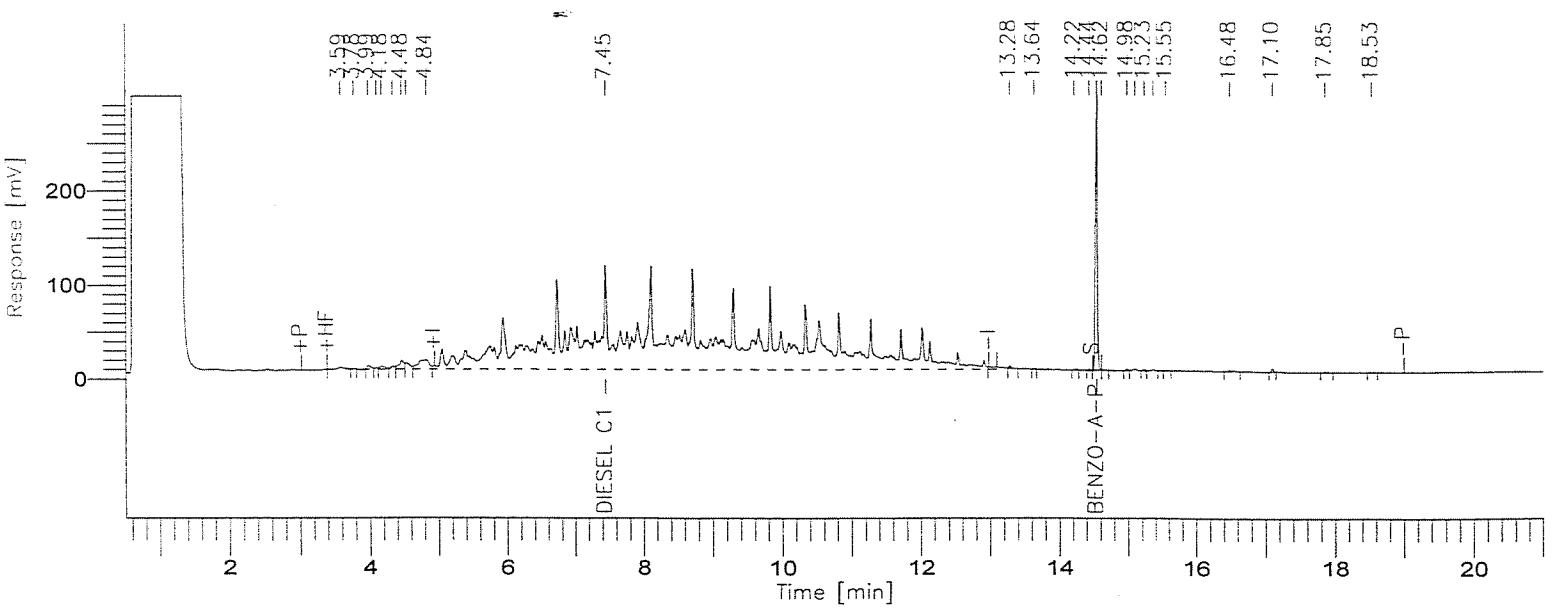
Raw Data File : C:\TC4\DATA_01\O16_115.RAW
Result File : C:\TC4\DATA_01\O16_115.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_115.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O16.SEQ

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: 25



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8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.593		13638	0.0136	------	----------
3.782		2669	0.0027	------	----------
3.992		16498	0.0165	------	----------
4.111		5245	0.0052	------	----------
4.184		17472	0.0175	------	----------
4.346		13769	0.0138	------	----------
4.478		47149	0.0471	------	----------
4.547		31815	0.0318	------	----------
4.838		111050	0.1110	------	----------
7.454	DIESEL C10-C24	11122117	1504.6325	1000.0	50.46
13.284		4342	0.0043	------	----------
13.635		1615	0.0016	------	----------
14.219		2474	0.0025	------	----------
14.436		2849	0.0028	------	----------
4.547	BENZO-A-PYRENE	618024	58.5649	50.0	17.13
14.617		901	0.0009	------	----------
14.984		3199	0.0032	------	----------
15.100		4988	0.0050	------	----------
15.234		2368	0.0024	------	----------
15.363		2632	0.0026	------	----------
15.553		528	0.0005	------	----------
16.483		5453	0.0055	------	----------
17.098		8452	0.0085	------	----------
17.854		2258	0.0023	------	----------
18.531		860	0.0009	------	----------
		12042363	1563.4996		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_115.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-195 RT MARKER Time : 10/19/00 08:58 AM
Sample Number: 30 PPM Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 08:37 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

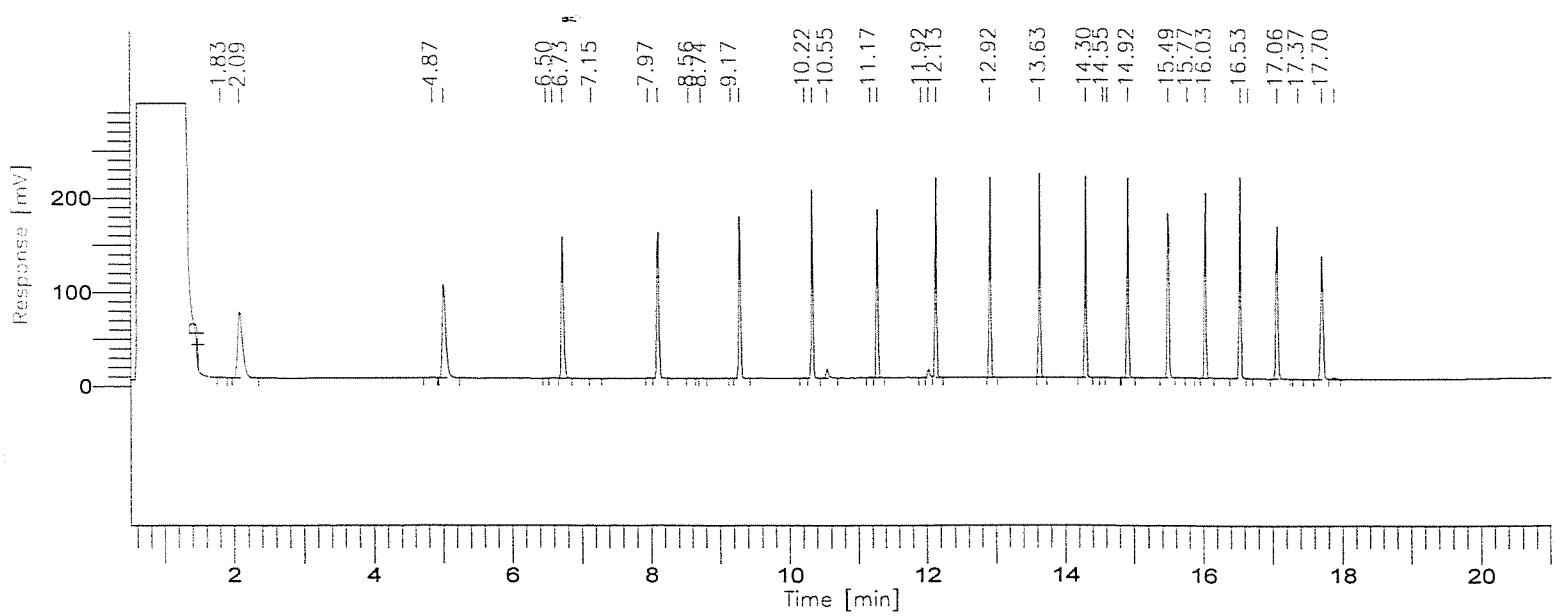
Raw Data File : C:\TC4\DATA_01\O16_116.RAW
Result File : C:\TC4\DATA_01\O16_116.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O16_116.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O16.SEQ

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: 37



001002

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	352609	35.2896	30.0	17.63
5.772	C10-C11	365133	34.6051	30.0	15.35
7.314	C12-C13	357076	33.2749	30.0	10.92
8.586	C14-C15	346766	28.7871	30.0	-4.04
9.692	C16-C17	342739	31.6661	30.0	5.55
10.720	C18-C19	362322	30.1701	30.0	0.57
12.018	C20-C23	697029	32.1023	30.0	7.01
13.534	C24-C27	681860	32.4858	30.0	8.29
14.819	C28-C31	688405	32.0666	30.0	6.89
15.898	C32-C35	693167	32.1991	30.0	7.33
16.990	C36-C39	693980	32.4014	30.0	8.00
19.290	C40+	332138	32.1700	30.0	7.23
		5913223	387.2182		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.094		350890	0.3509	------	----------
4.869		1719	0.0017	------	----------
		352609	0.3526		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.024		362488	0.3625	------	----------
6.498		406	0.0004	------	----------
6.591		2239	0.0022	------	----------
		365133	0.3651		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
6.733		354504	0.3545	------	----------
7.152		636	0.0006	------	----------
7.972		1935	0.0019	------	----------
		357076	0.3571		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.110		345774	0.3458	------	----------
8.555		496	0.0005	------	----------
8.736		496	0.0005	------	----------
		346766	0.3468		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.165		886	0.0009	------	----------
9.288		340448	0.3404	------	----------
10.219		1405	0.0014	------	----------
		342739	0.3427		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.335		335698	0.3357	------	----------
10.551		24647	0.0246	------	----------
11.171		1977	0.0020	------	----------
		362322	0.3623		

oup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.279		336798	0.3368	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
1.916		435	0.0004	------	----------
12.027		22023	0.0220	------	----------
12.134		337772	0.3378	------	----------
		697029	0.6970		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.916		339070	0.3391	------	----------
13.634		342789	0.3428	------	----------
		681860	0.6819		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.299		343791	0.3438	------	----------
14.549		592	0.0006	------	----------
14.614		903	0.0009	------	----------
14.916		343119	0.3431	------	----------
		688405	0.6884		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.489		346379	0.3464	------	----------
15.766		477	0.0005	------	----------
16.031		346311	0.3463	------	----------
		693167	0.6932		

oup Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.534		348885	0.3489	------	----------

001005

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.648		1296	0.0013	------	----------
17.063		343296	0.3433	------	----------
17.365		502	0.0005	------	----------
		693980	0.6940		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.703		325803	0.3258	------	----------
17.878		6336	0.0063	------	----------
		332138	0.3321		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_116.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:04:53

Lot/Sample: E0J120000-486B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DM3KJ-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 0:56 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O16_102A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:32:12
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number:
Prep Time....: 14:00-18:00
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....:
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	15.076	120.608		

Software Version: 4.1<2F12>
Sample Name : 359-MB
Sample Number: DM3KJ1AAB
Operator :

Time : 10/27/00 02:00 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 12:56 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O16_102A.RAW
Result File : C:\TC4\DATA_01\O16_102A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_102A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O16_102A.R
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O16_102A.R
Sequence File : C:\TC4\DATA_01\O16.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

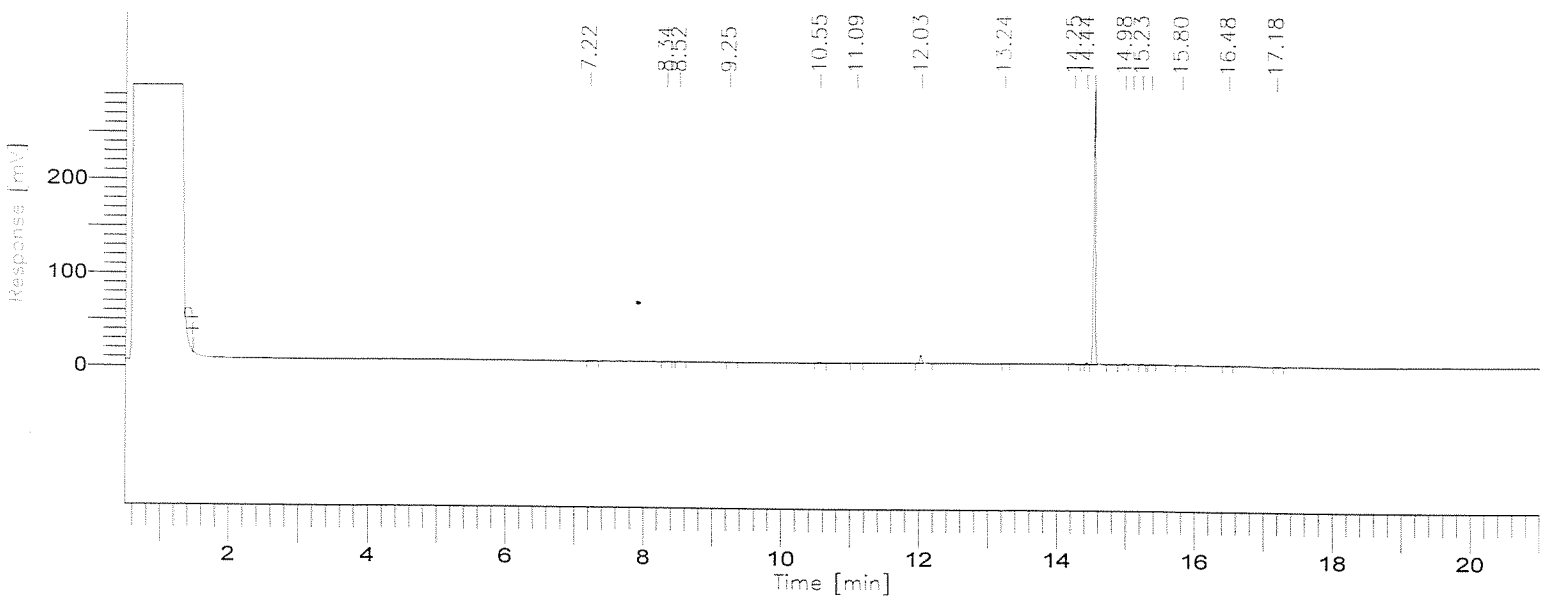
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



001008

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	768	0.018	------	10.0	
8.59	C14-C15	1476	0.031	------	10.0	
9.69	C16-C17	1024	0.024	------	10.0	
10.72	C18-C19	6556	0.136	------	10.0	
12.02	C20-C23	23163	0.267	------	10.0	
13.53	C24-C27	2092	0.025	------	10.0	
14.82	C28-C31	652944	7.604	------	10.0	
15.90	C32-C35	712	0.008	------	10.0	
16.99	C36-C39	1320	0.015	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		690053	8.128			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.22		768	0.000	------	10.0	
		768	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.34		958	0.000	------	10.0	
8.52		517	0.000	------	10.0	
		1476	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		1024	0.000	------	10.0	
		1024	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].55		5235	0.001	------	10.0	
[illegible].09		1320	0.000	------	10.0	
		6556	0.002			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		23163	0.006	------	10.0	
		23163	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.23		2092	0.001	------	10.0	
		2092	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].25		2727	0.001	------	10.0	
14.44		3729	0.001	------	10.0	
14.55		637300	0.159	------	10.0	
14.98		2784	0.001	------	10.0	
15.10		2804	0.001	------	10.0	
15.23		2177	0.001	------	10.0	
15.36		1422	0.000	------	10.0	
		652944	0.163			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.80		712	0.000	------	10.0	
		712	0.000			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.48		664	0.000	------	10.0	
17.18		656	0.000	------	10.0	
		1320	0.000			

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_102A.TX0

001011

Software Version: 4.1<2F12>
Sample Name : 359-MB
Sample Number: DM3KJ1AAB
Operator :

Time : 10/27/00 02:04 PM
Study : ICAL 8/28/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 12:56 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O16_102.RAW
Result File : C:\TC4\DATA_01\O16_102.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_102.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_102.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_102.R
Sequence File : C:\TC4\DATA_01\O16.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

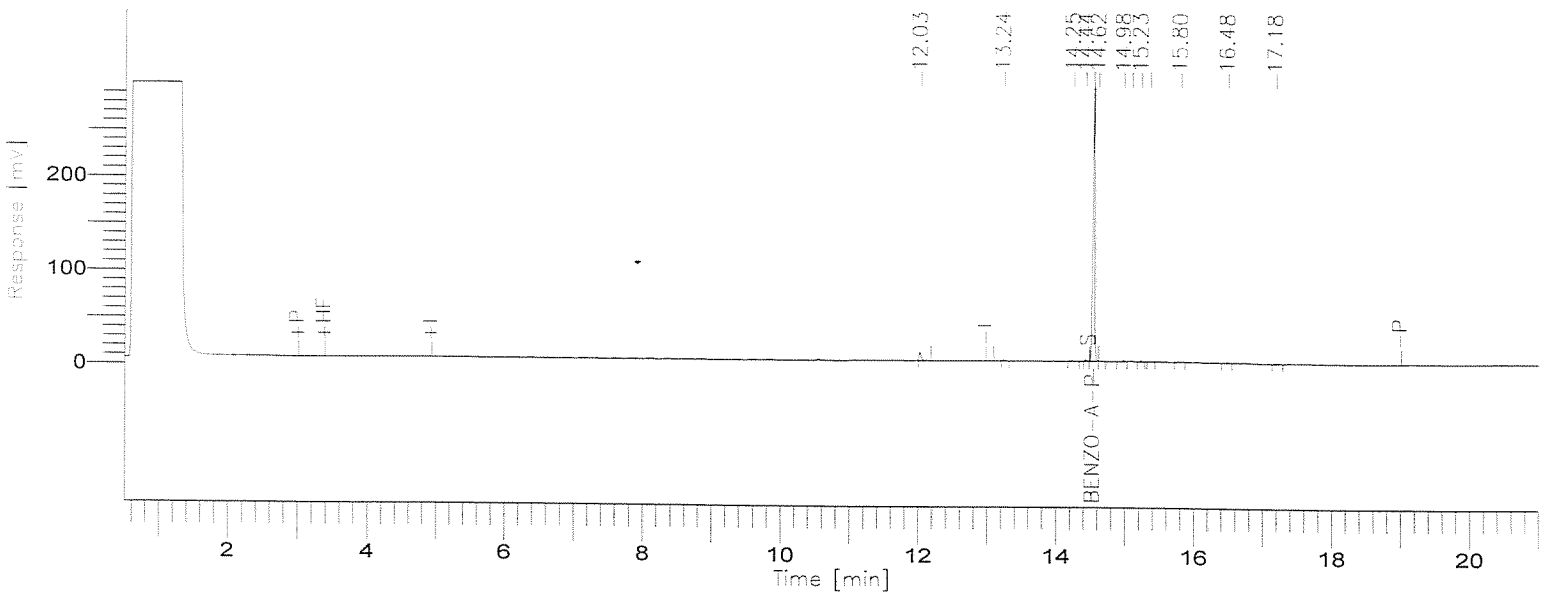
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 13



001012

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	636360	15.076	120.6	10.0	
		636360	15.076			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_102.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:04:53

Lot/Sample: E0J120000-486C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DM3KJ-1-AC Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 1:26 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O16_103
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/12 18:51:57
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number:
Prep Time....: 14:00-14:00
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	320.6349	128.2	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	14.259	114.076		NA

Software Version: 4.1<2F12>
Sample Name : 359-LCS
Sample Number: DM3KJ1ACC
Operator :

Time : 10/27/00 02:00 PM
Study : ICAL 8/28/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 01:26 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O16_103.RAW
Result File : C:\TC4\DATA_01\O16_103.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_103.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_103.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_103.R
Sequence File : C:\TC4\DATA_01\O16.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

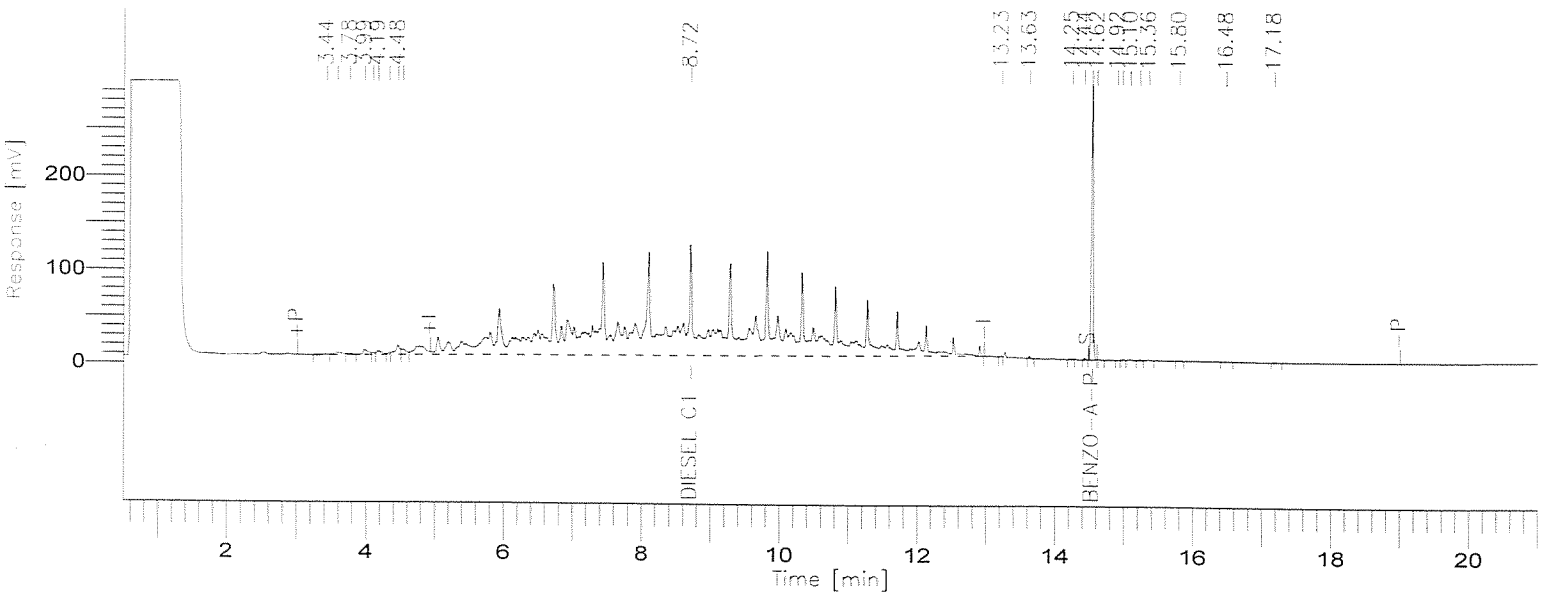
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 24



001015

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
8.720	DIESEL C10-C24	9480424.01	320.6349	250.00	128.25
14.546	BENZO-A-PYRENE	601911.14	14.2595	12.50	114.08
		10082335.16	334.8944	262.50	242.33

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_103.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 12:31:17

Lot/Sample: E0J110284-001 C-2-117-5
WO#.....: DM09M-1-AC
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/24/00
Inject Time..: 18:33 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_056A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:30:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	11.925	95.4		

Software Version: 4.1<2F12>
Sample Name : 284-01 Time : 10/25/00 04:09 PM
Sample Number: DM09M1AC Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 06:33 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

e-chain

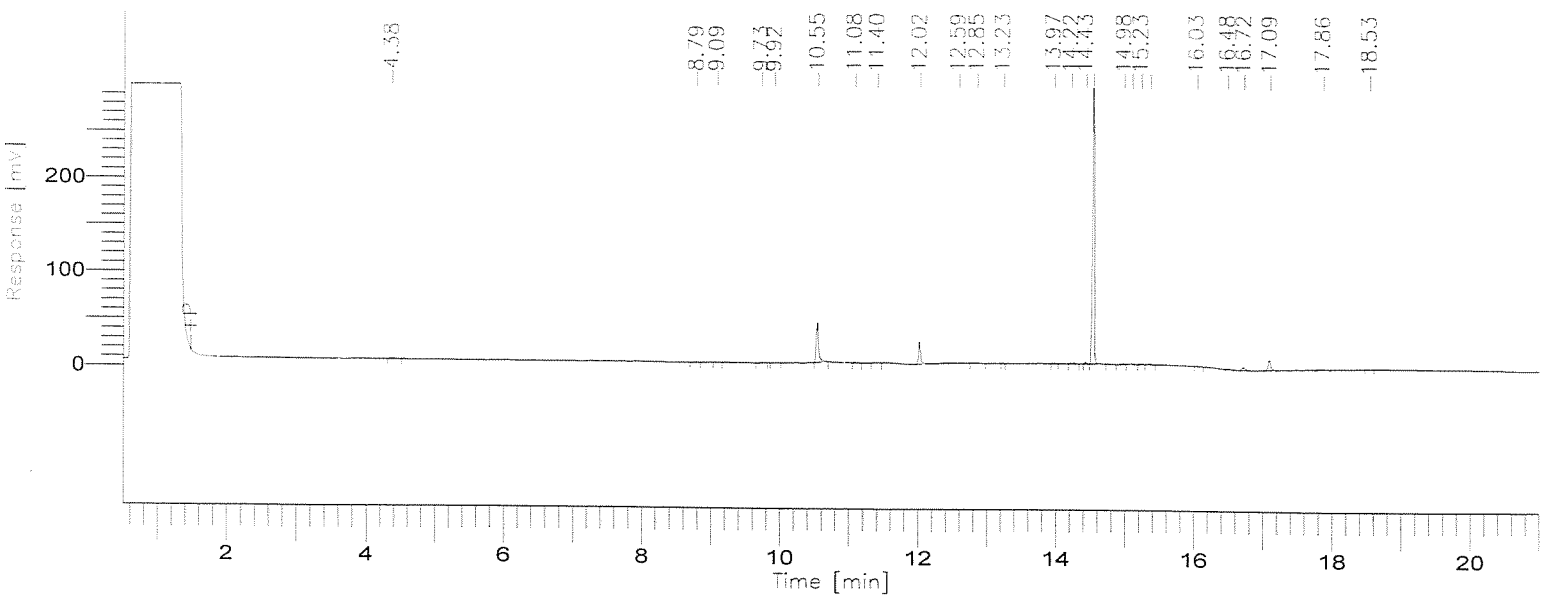
Raw Data File : C:\TC4\DATA_01\O23_056A.RAW
Result File : C:\TC4\DATA_01\O23_056A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_056A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

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: 26



001018

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	2920	0.073	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	1828	0.038	------	10.0	
9.69	C16-C17	1670	0.039	------	10.0	
10.72	C18-C19	106131	2.209	------	10.0	
12.02	C20-C23	69020	0.795	------	10.0	
13.53	C24-C27	7044	0.084	------	10.0	
14.82	C28-C31	614454	7.155	------	10.0	
15.90	C32-C35	742	0.009	------	10.0	
16.99	C36-C39	40079	0.468	------	10.0	
19.29	C40+	1947	0.047	------	10.0	
		845835	10.917			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.38		2920	0.001	------	10.0	
		2920	0.001			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

001019

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.79		1087	0.000	------	10.0	
9.09		741	0.000	------	10.0	
		1828	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.73		918	0.000	------	10.0	
9.92		752	0.000	------	10.0	
		1670	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.0.55		104998	0.026	------	10.0	
11.08		1133	0.000	------	10.0	
		106131	0.027			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.40		1067	0.000	------	10.0	
12.02		54636	0.014	------	10.0	
12.58		13317	0.003	------	10.0	
		69020	0.017			

Group Report For : C24-C27

Time in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.85		1989	0.000	------	10.0	
13.23		940	0.000	------	10.0	
13.97		644	0.000	------	10.0	
14.22		3471	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		7044	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.43		3580	0.001	------	10.0	
14.54		601229	0.150	------	10.0	
14.98		2684	0.001	------	10.0	
15.10		2988	0.001	------	10.0	
15.23		2040	0.001	------	10.0	
15.36		1933	0.000	------	10.0	
		614454	0.154			

Group Report For : C32-C35

me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.03		742	0.000	------	10.0	
		742	0.000			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.48		1181	0.000	------	10.0	
16.72		10071	0.003	------	10.0	
17.09		28827	0.007	------	10.0	
		40079	0.010			

Group Report For : C40+

me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		1094	0.000	------	10.0	
18.53		853	0.000	------	10.0	

1947 0.000

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_056A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-01 Time : 10/24/00 06:53 PM
Sample Number: DM09M1AC Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 06:33 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

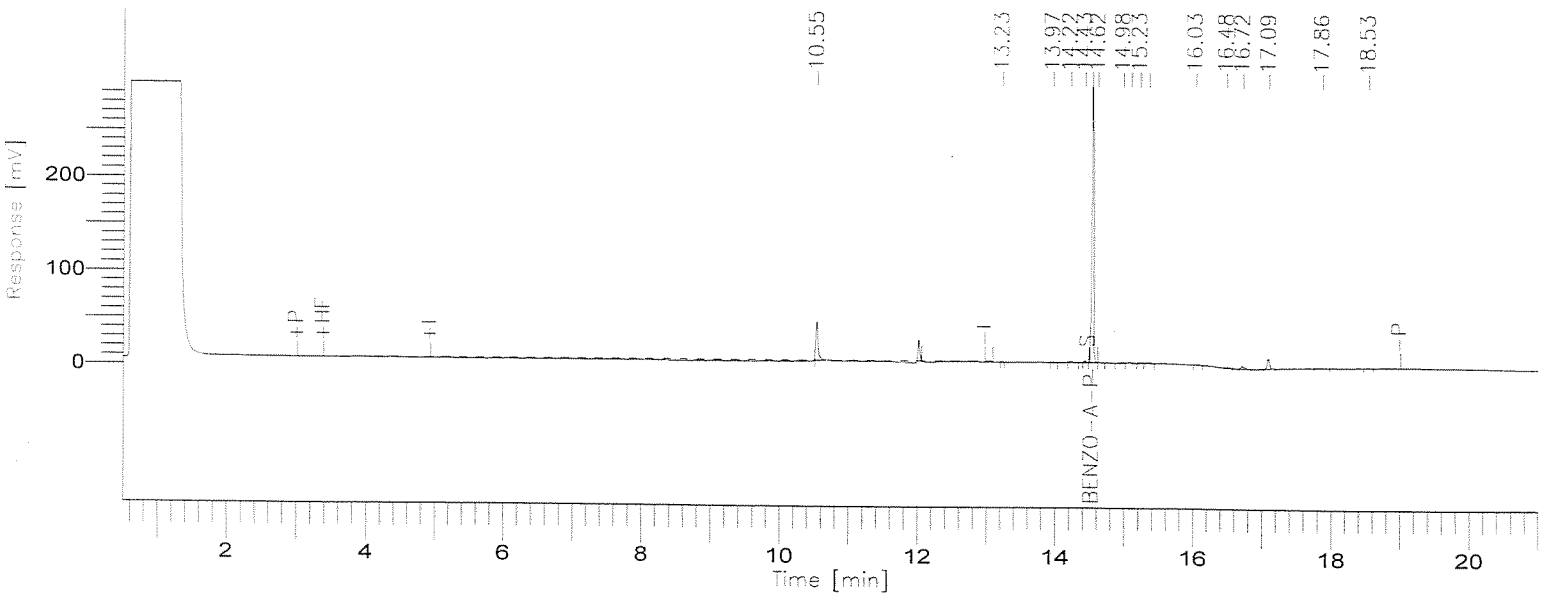
Raw Data File : C:\TC4\DATA_01\O23_056.RAW
Result File : C:\TC4\DATA_01\O23_056.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_056.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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



001023

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	600323	11.925	95.4	10.0	
		600323	11.925			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_056.TX0

Lot/Sample: E0J110284-002 C-2-117-10 TICs.....: N Report Results: Y
WO#.....: DM09P-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/24/00
Inject Time..: 19:03 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_057A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:30:22
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	11.628	93.024		

Software Version: 4.1<2F12>
Sample Name : 284-02 Time : 10/25/00 04:10 PM
Sample Number: DMO9P1AC Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 07:03 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

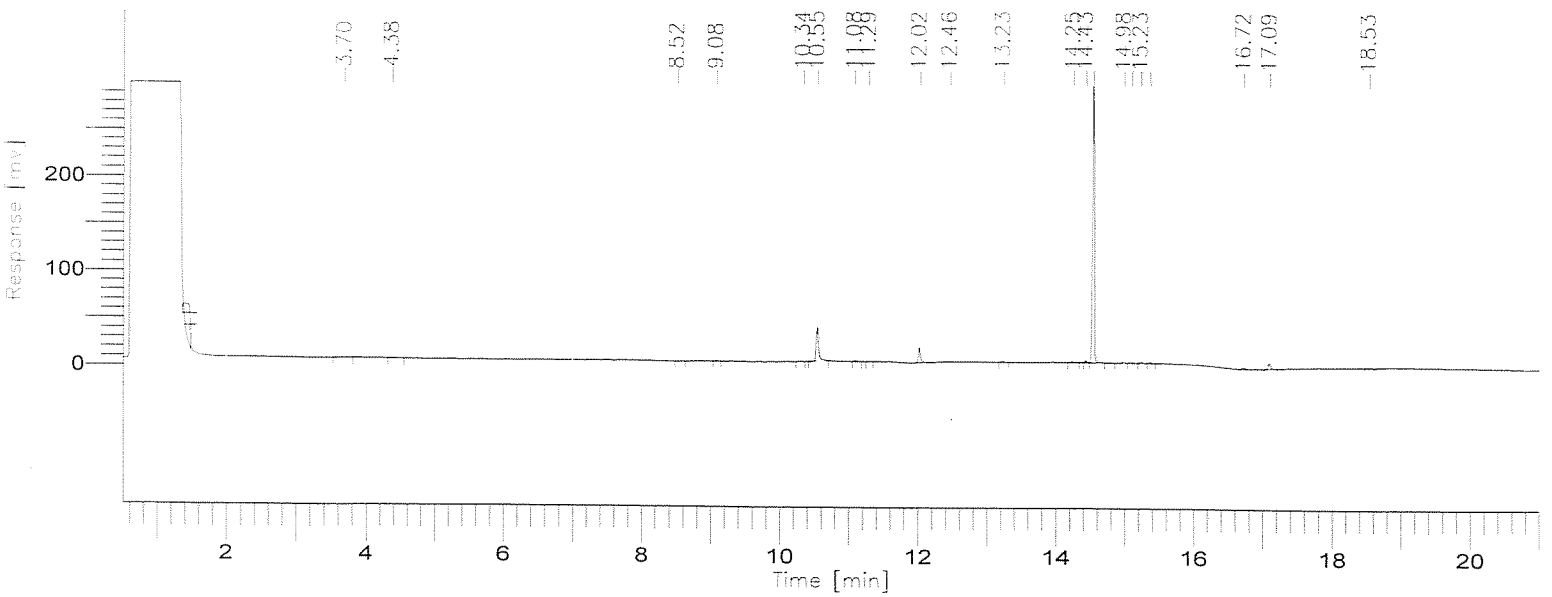
Raw Data File : C:\TC4\DATA_01\O23_057A.RAW
Result File : C:\TC4\DATA_01\O23_057A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_057A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

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



001026

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	4600	0.115	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	1438	0.030	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	92832	1.932	------	10.0	
12.02	C20-C23	45058	0.519	------	10.0	
13.53	C24-C27	2304	0.027	------	10.0	
14.82	C28-C31	602862	7.020	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	19907	0.232	------	10.0	
19.29	C40+	672	0.016	------	10.0	
		769672	9.893			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.70		3056	0.001	------	10.0	
4.38		1543	0.000	------	10.0	
		4600	0.001			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.52		578	0.000	------	10.0	
9.08		860	0.000	------	10.0	
		1438	0.000			

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
10.34		871	0.000	------	10.0	
.55		89483	0.022	------	10.0	
11.08		2478	0.001	------	10.0	
		92832	0.023			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		438	0.000	------	10.0	
12.02		36957	0.009	------	10.0	
12.46		7663	0.002	------	10.0	
		45058	0.011			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.23		2304	0.001	------	10.0	
		2304	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2584	0.001	------	10.0	
14.43		3450	0.001	------	10.0	
14.54		586022	0.147	------	10.0	
14.98		3032	0.001	------	10.0	
15.10		3140	0.001	------	10.0	
15.23		2941	0.001	------	10.0	
15.36		1693	0.000	------	10.0	
		602862	0.151			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.72		4788	0.001	------	10.0	
17.09		15118	0.004	------	10.0	
		19907	0.005			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.53		672	0.000	------	10.0	
		672	0.000			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Report stored in ASCII file: C:\TC4\DATA_01\O23_057A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-02 Time : 10/24/00 07:23 PM
Sample Number: DMO9P1AC Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 07:03 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

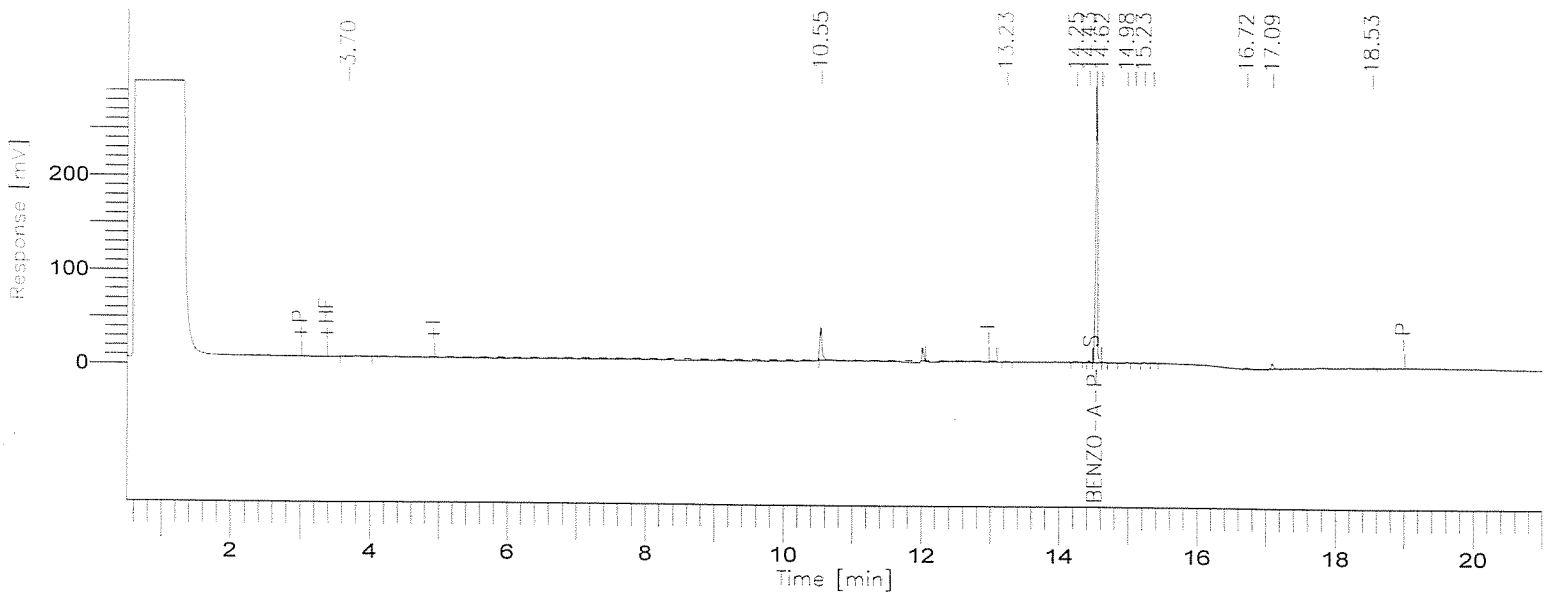
Raw Data File : C:\TC4\DATA_01\O23_057.RAW
Result File : C:\TC4\DATA_01\O23_057.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_057.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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: 14



001031

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	585390	11.628	93.0	10.0	
		585390	11.628			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_057.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 12:31:20

Lot/Sample: E0J110284-003 C-2-117-15 TICs.....: N Report Results: Y
WO#.....: DM09Q-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/24/00
Inject Time..: 19:33 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_058A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:30:32
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	10.982	87.856		

Software Version: 4.1<2F12>
Sample Name : 284-03 Time : 10/25/00 04:10 PM
Sample Number: DM09Q1AC Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 07:33 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

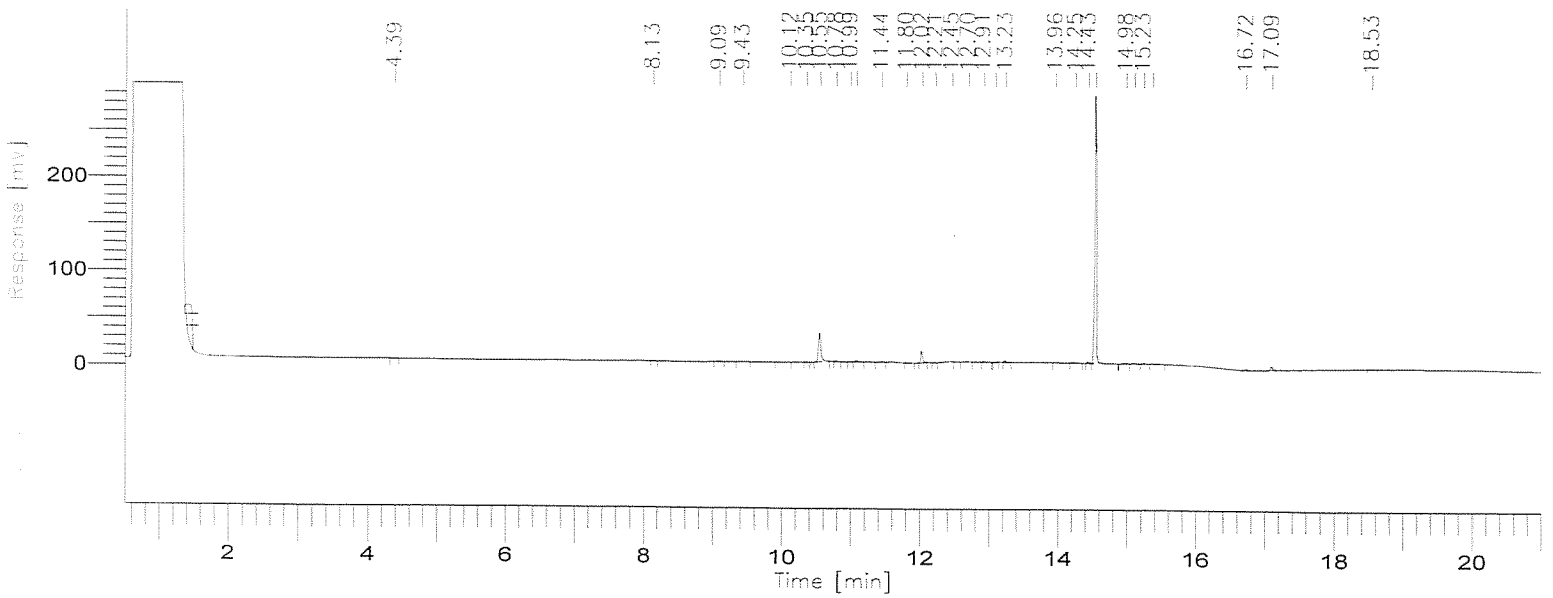
Raw Data File : C:\TC4\DATA_01\O23_058A.RAW
Result File : C:\TC4\DATA_01\O23_058A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_058A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

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: 30



001034

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	744	0.019	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	1838	0.038	------	10.0	
9.69	C16-C17	2293	0.053	------	10.0	
10.72	C18-C19	82836	1.724	------	10.0	
12.02	C20-C23	34981	0.403	------	10.0	
13.53	C24-C27	5955	0.071	------	10.0	
14.82	C28-C31	574451	6.690	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	11193	0.131	------	10.0	
19.29	C40+	729	0.018	------	10.0	
		715021	9.146			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.39		744	0.000	------	10.0	
		744	0.000			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.13		556	0.000	------	10.0	
9.09		1282	0.000	------	10.0	
		1838	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.43		1492	0.000	------	10.0	
10.11		801	0.000	------	10.0	
		2293	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		540	0.000	------	10.0	
10.55		75773	0.019	------	10.0	
10.78		1035	0.000	------	10.0	
10.98		1081	0.000	------	10.0	
11.08		4408	0.001	------	10.0	
		82836	0.021			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.44		979	0.000	------	10.0	
11.80		850	0.000	------	10.0	
12.02		27973	0.007	------	10.0	
12.21		631	0.000	------	10.0	
12.45		3308	0.001	------	10.0	
12.70		1239	0.000	------	10.0	
		34981	0.009			

Group Report For : C24-C27

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
[illegible].91		349	8.725e-05	------	10.0
[illegible].08		506	0.000	------	10.0
13.23		3906	0.001	------	10.0
13.96		1194	0.000	------	10.0
		5955	0.001		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2601	0.001	------	10.0	
14.43		3884	0.001	------	10.0	
14.54		554548	0.139	------	10.0	
14.98		3096	0.001	------	10.0	
15.10		3363	0.001	------	10.0	
15.23		3743	0.001	------	10.0	
15.36		3217	0.001	------	10.0	
		574451	0.144			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.71		2394	0.001	------	10.0	
17.09		8799	0.002	------	10.0	
		11193	0.003			

Group Report For : C40+

[illegible]me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.53		729	0.000	------	10.0	
		729	0.000			

001037

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_058A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-03
Sample Number: DM09Q1AC
Operator :

Time : 10/24/00 07:54 PM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 07:33 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_058.RAW
Result File : C:\TC4\DATA_01\O23_058.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_058.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

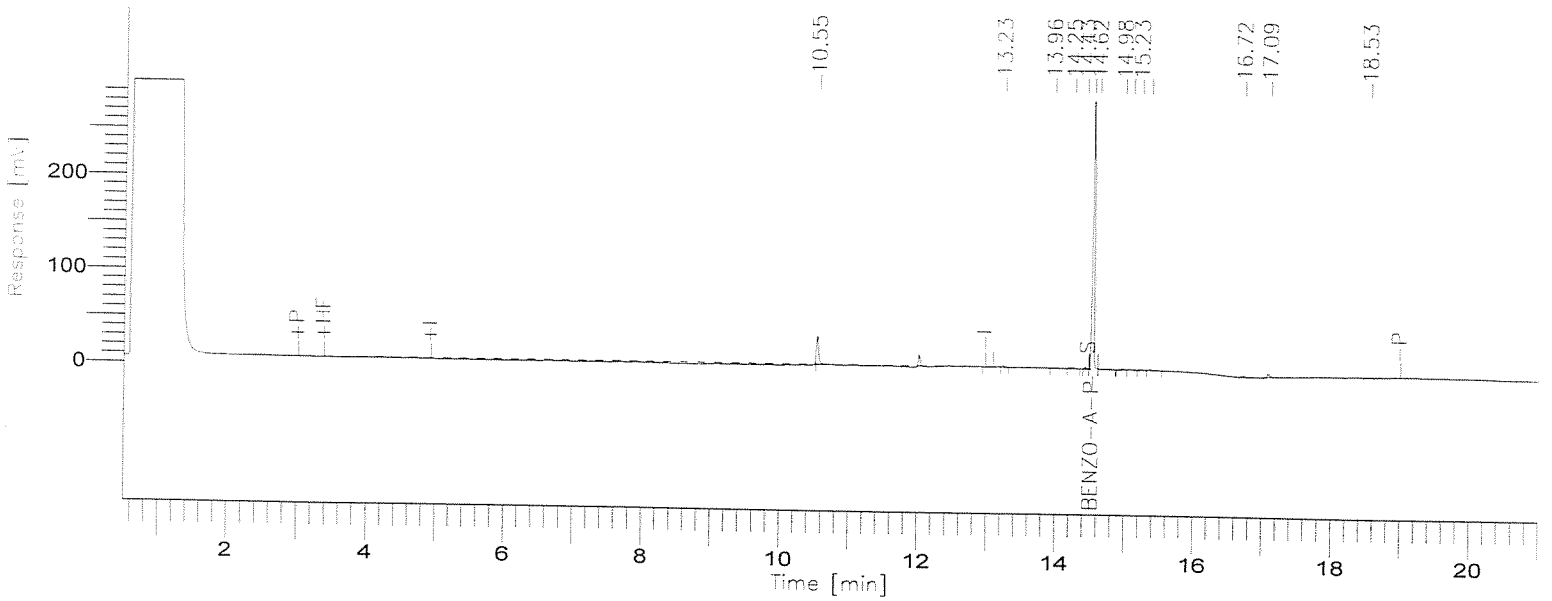
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000
Area Threshold : 200
Divisor : 20.0000
Bunch Factor: 1
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 14



001039

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	552839	10.982	87.9	10.0	
		552839	10.982			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_058.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 12:31:20

Lot/Sample: E0J110284-004 C-2-119-5
WO#.....: DM09R-1-AD
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/24/00
Inject Time..: 20:03 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_059A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:30:38
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	11.625	93		

Software Version: 4.1<2F12>
Sample Name : 284-04
Sample Number: DM09R1AD
Operator :

Time : 10/25/00 04:10 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 08:03 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_059A.RAW
Result File : C:\TC4\DATA_01\O23_059A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_059A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

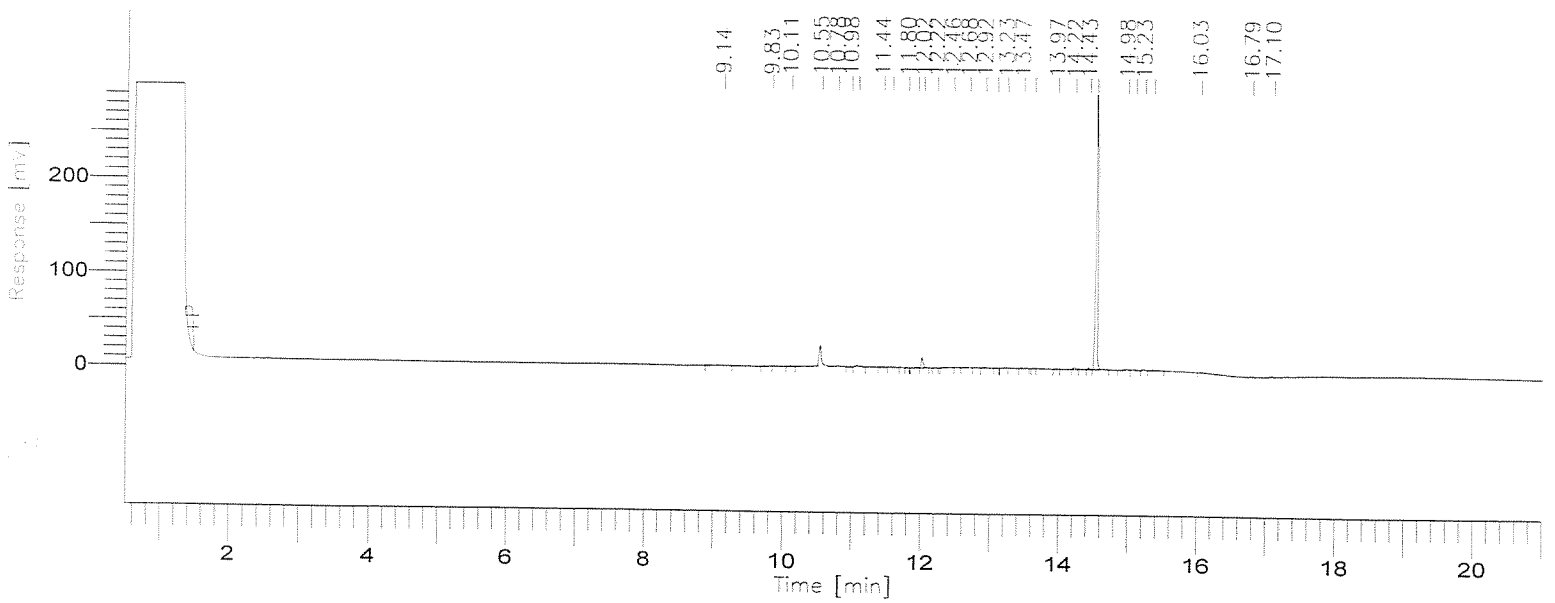
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000
Area Threshold : 200
Divisor : 20.0000
Bunch Factor: 1
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 31



001042

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	3500	0.073	------	10.0	
9.69	C16-C17	2205	0.051	------	10.0	
10.72	C18-C19	69530	1.447	------	10.0	
12.02	C20-C23	38344	0.441	------	10.0	
13.53	C24-C27	10008	0.119	------	10.0	
14.82	C28-C31	602666	7.018	------	10.0	
15.90	C32-C35	6203	0.072	------	10.0	
16.99	C36-C39	2653	0.031	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		735110	9.253			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

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

9.14		3500	0.001	------	10.0	
		3500	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.83		1070	0.000	------	10.0	
10.10		1135	0.000	------	10.0	
		2205	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		59803	0.015	------	10.0	
10.78		4082	0.001	------	10.0	
.98		830	0.000	------	10.0	
11.08		4816	0.001	------	10.0	
		69530	0.017			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.44		2872	0.001	------	10.0	
11.57		2716	0.001	------	10.0	
11.80		575	0.000	------	10.0	
11.94		2699	0.001	------	10.0	
12.02		24680	0.006	------	10.0	
12.22		489	0.000	------	10.0	
12.46		2591	0.001	------	10.0	
12.68		1723	0.000	------	10.0	
		38344	0.010			

Group Report For : C24-C27

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

12.92	1011	0.000	------	10.0
13.09	440	0.000	------	10.0
[illegible] 23	1540	0.000	------	10.0
[illegible].47	814	0.000	------	10.0
13.63	698	0.000	------	10.0
13.97	798	0.000	------	10.0
14.22	4708	0.001	------	10.0
	10008	0.003		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.43		3416	0.001	------	10.0	
14.54		585914	0.146	------	10.0	
14.98		3358	0.001	------	10.0	
15.10		3455	0.001	------	10.0	
15.23		3286	0.001	------	10.0	
15.36		3237	0.001	------	10.0	
		602666	0.151			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.03		6203	0.002	------	10.0	
		6203	0.002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.79		748	0.000	------	10.0	
17.10		1905	0.000	------	10.0	
		2653	0.001			

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_059A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-04 Time : 10/24/00 08:24 PM
Sample Number: DM09R1AD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 08:03 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

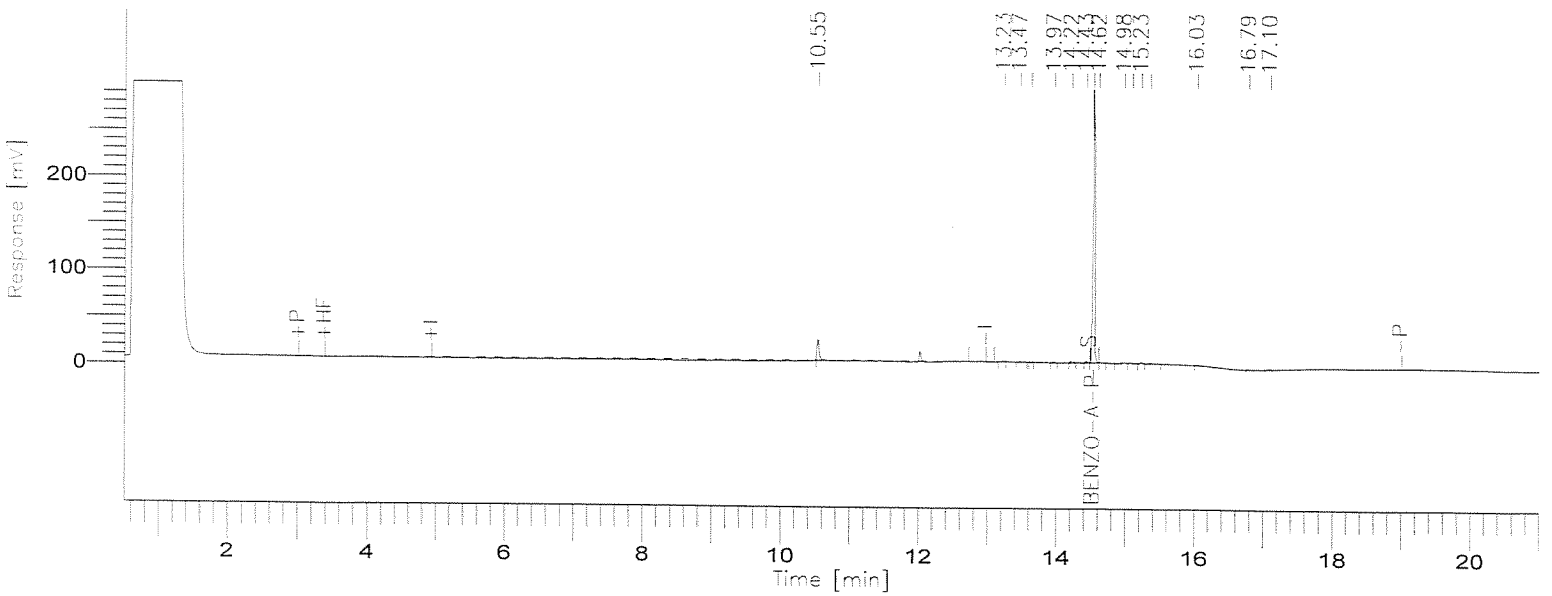
Raw Data File : C:\TC4\DATA_01\O23_059.RAW
Result File : C:\TC4\DATA_01\O23_059.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_059.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



001047

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	585214	11.625	93.0	10.0	
		585214	11.625			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_059.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 12:31:20

Lot/Sample: E0J110284-006 C-2-123-5
WO#.....: DM09V-1-AD
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N
Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/24/00
Inject Time..: 20:33 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_060A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:30:46
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	11.000	88		

Software Version: 4.1<2F12>
Sample Name : 284-06
Sample Number: DM09V1AD
Operator :

Time : 10/25/00 04:10 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 08:33 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_060A.RAW
Result File : C:\TC4\DATA_01\O23_060A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_060A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

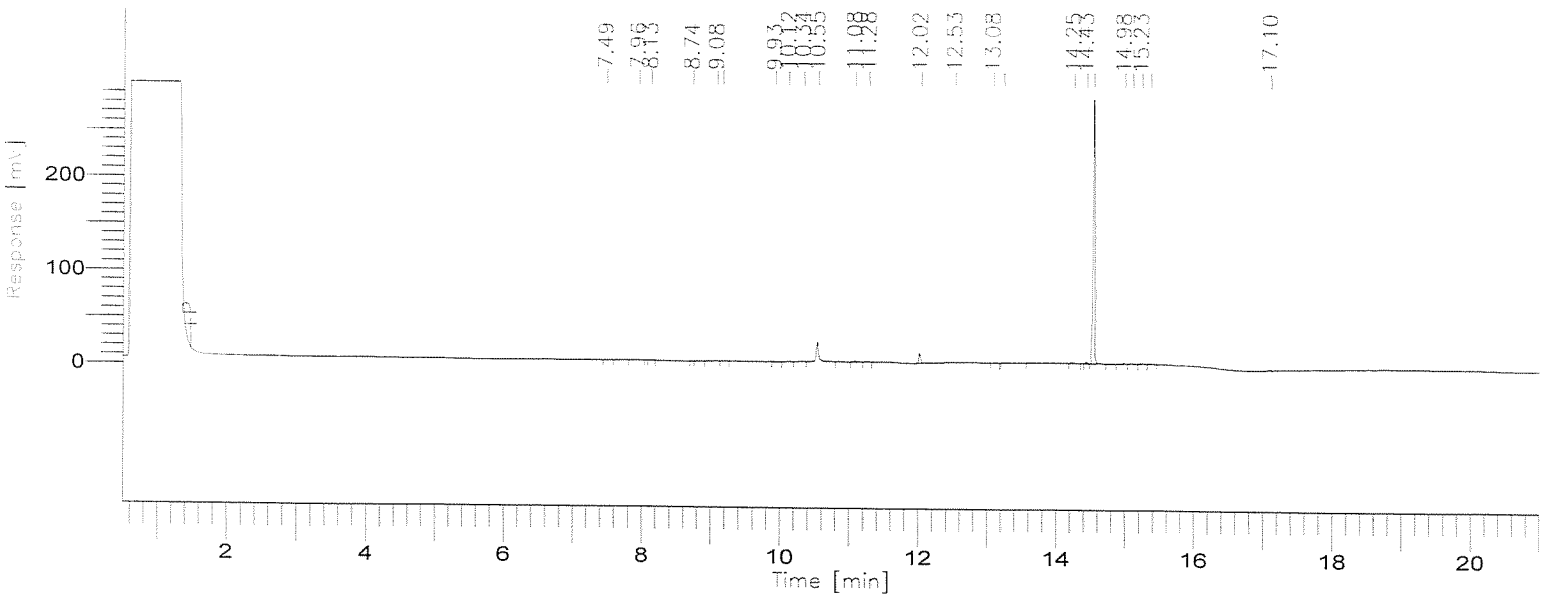
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 24



001050

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	1756	0.041	------	10.0	
8.59	C14-C15	2908	0.060	------	10.0	
9.69	C16-C17	3094	0.071	------	10.0	
10.72	C18-C19	61220	1.274	------	10.0	
12.02	C20-C23	37629	0.433	------	10.0	
13.53	C24-C27	1904	0.023	------	10.0	
14.82	C28-C31	570659	6.645	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	1932	0.023	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		681102	8.571			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.49		822	0.000	------	10.0	
7.96		934	0.000	------	10.0	
		1756	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.13		466	0.000	------	10.0	
8.74		402	0.000	------	10.0	
9.08		2040	0.001	------	10.0	
		2908	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		1110	0.000	------	10.0	
9.92		746	0.000	------	10.0	
10.12		1238	0.000	------	10.0	
		3094	0.001			

oup Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		1834	0.000	------	10.0	
10.55		56443	0.014	------	10.0	
11.08		2942	0.001	------	10.0	
		61220	0.015			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		722	0.000	------	10.0	
12.02		26638	0.007	------	10.0	
12.53		10269	0.003	------	10.0	
		37629	0.009			

Group Report For : C24-C27

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

13.08	397	9.925e-05	------	10.0
23	1507	0.000	------	10.0
	1904	0.000		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2524	0.001	------	10.0	
14.43		3180	0.001	------	10.0	
14.54		554445	0.139	------	10.0	
14.98		2978	0.001	------	10.0	
15.10		2950	0.001	------	10.0	
15.23		2717	0.001	------	10.0	
15.36		1865	0.000	------	10.0	
		570659	0.143			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.10		1932	0.000	------	10.0	
		1932	0.000			

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

001053

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O23_060A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-06
Sample Number: DM09V1AD
Operator :

Time : 10/24/00 08:54 PM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 08:33 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

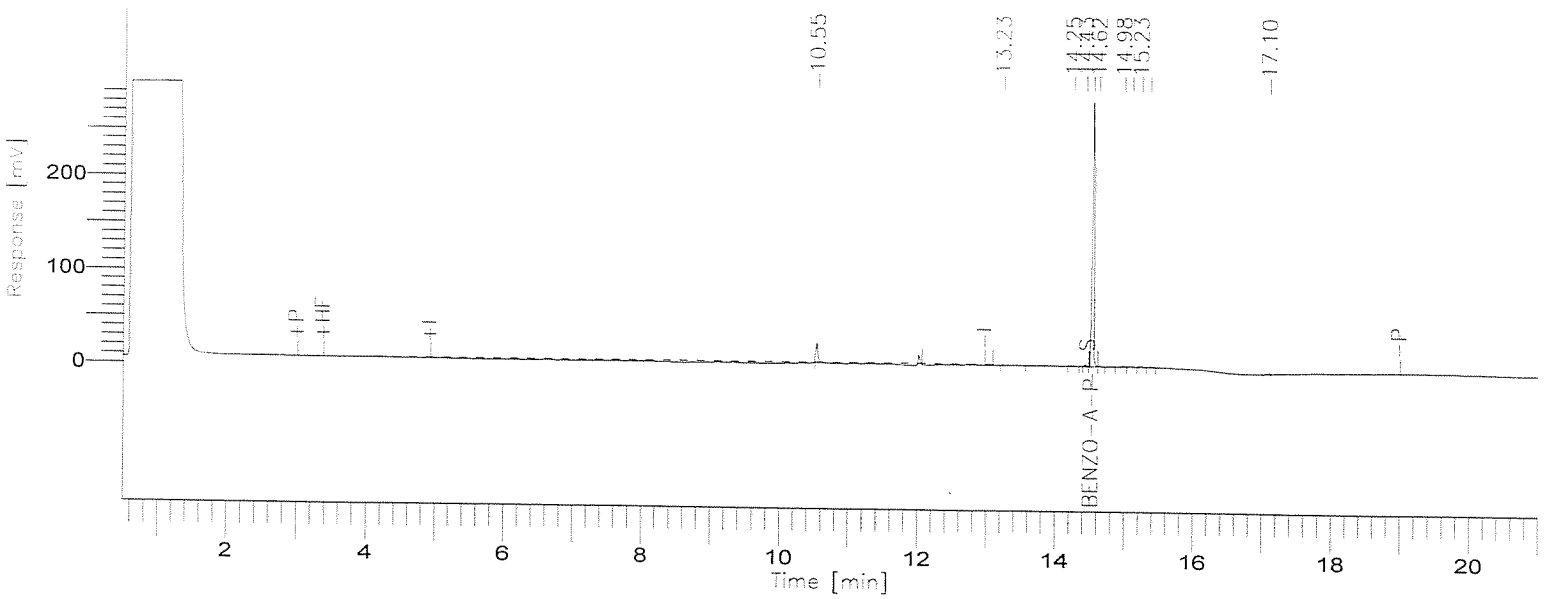
Raw Data File : C:\TC4\DATA_01\O23_060.RAW
Result File : C:\TC4\DATA_01\O23_060.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_060.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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: 11



001055

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	553746	11.000	88.0	10.0	
		553746	11.000			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_060.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 12:31:20

Lot/Sample: E0J110284-011 C-2-131-5 TICs.....: N Report Results: Y
WO#.....: DM093-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/24/00
Inject Time..: 21:03 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_061A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:30:52
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	10.940	87.52		

Software Version: 4.1<2F12>
Sample Name : 284-11 Time : 10/25/00 04:10 PM
Sample Number: DM0931AD Study : ICAL 10/3/00
erator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 09:03 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

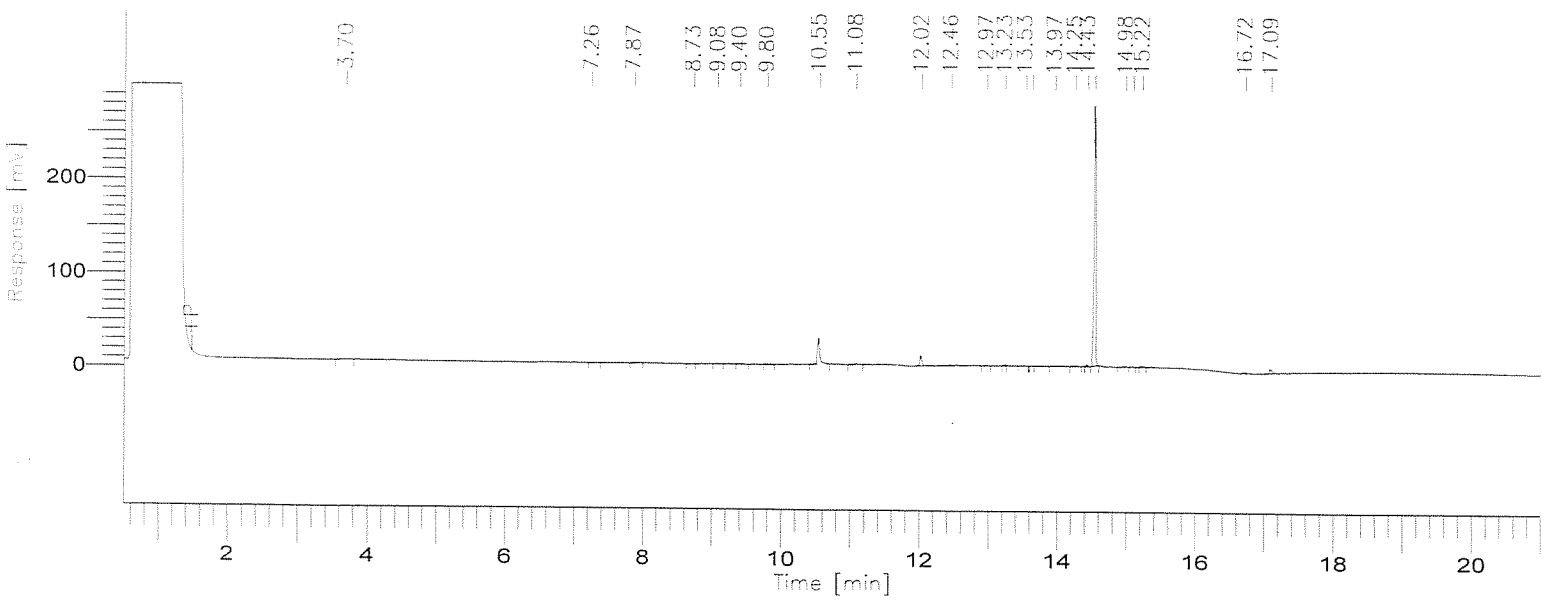
Raw Data File : C:\TC4\DATA_01\O23_061A.RAW
Result File : C:\TC4\DATA_01\O23_061A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_061A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

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
ltiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 24



001058

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	2880	0.072	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	1745	0.041	------	10.0	
8.59	C14-C15	1874	0.039	------	10.0	
9.69	C16-C17	2714	0.063	------	10.0	
10.72	C18-C19	73404	1.528	------	10.0	
12.02	C20-C23	43229	0.498	------	10.0	
13.53	C24-C27	6763	0.081	------	10.0	
14.82	C28-C31	558310	6.502	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	13939	0.163	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		704858	8.985			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.70		2880	0.001	------	10.0	
		2880	0.001			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.25		899	0.000	------	10.0	
7.87		846	0.000	------	10.0	

1745	0.000	

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.73		715	0.000	------	10.0	
9.08		1158	0.000	------	10.0	
		1874	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.40		1462	0.000	------	10.0	
9.80		1252	0.000	------	10.0	
		2714	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		69655	0.017	------	10.0	
11.08		3750	0.001	------	10.0	
		73404	0.018			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.02		29251	0.007	------	10.0	
12.45		13978	0.003	------	10.0	
		43229	0.011			

Group Report For : C24-C27

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

12.97		1197	0.000	------	10.0
13.23		2327	0.001	------	10.0
[illegible] 53		799	0.000	------	10.0
[illegible].64		313	7.825e-05	------	10.0
13.97		2127	0.001	------	10.0
		6763	0.002		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2564	0.001	------	10.0	
14.43		3383	0.001	------	10.0	
14.54		545233	0.136	------	10.0	
14.98		2526	0.001	------	10.0	
15.10		1260	0.000	------	10.0	
15.22		3345	0.001	------	10.0	
		558310	0.140			

oup Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.72		2175	0.001	------	10.0	
17.09		11765	0.003	------	10.0	
		13939	0.003			

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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LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O23_061A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-11 Time : 10/24/00 09:24 PM
Sample Number: DM0931AD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 09:03 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

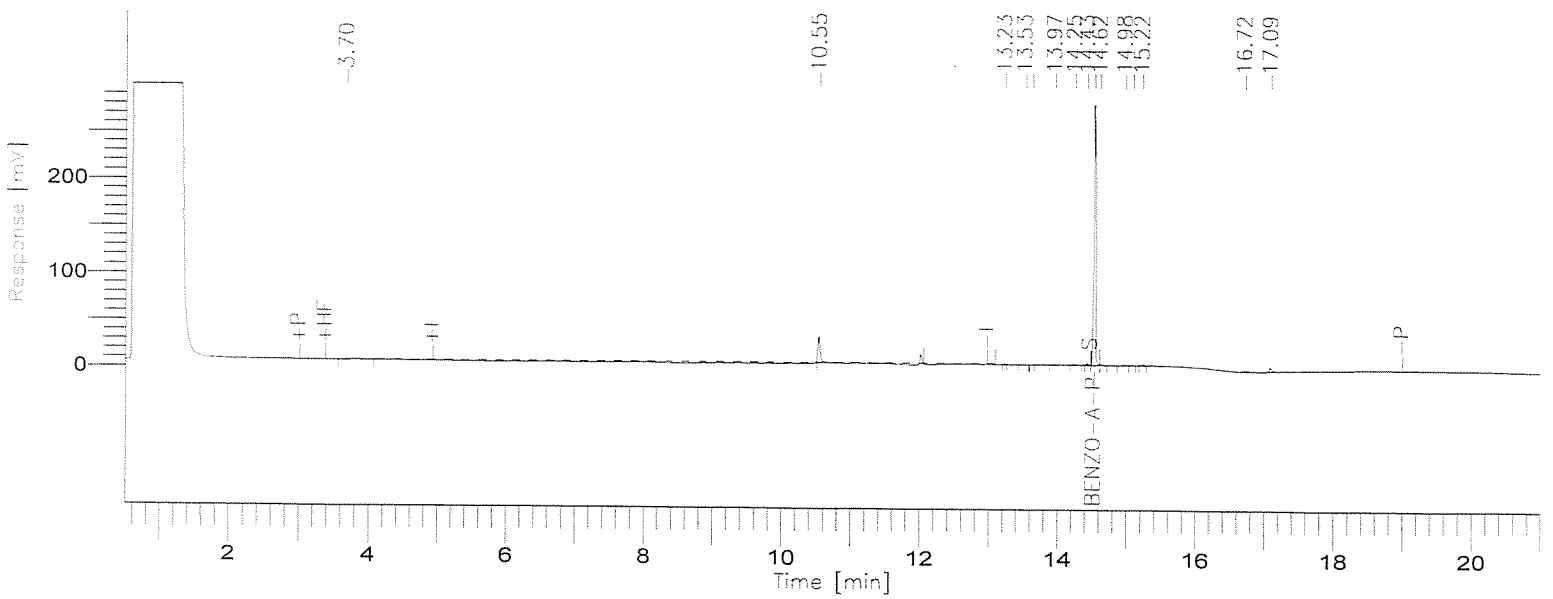
Raw Data File : C:\TC4\DATA_01\O23_061.RAW
Result File : C:\TC4\DATA_01\O23_061.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_061.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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: 15



001063

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	550718	10.940	87.5	10.0	
		550718	10.940			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_061.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 12:31:20

Lot/Sample: E0J110284-013 C-2-132-1
WO#.....: DM098-1-AD
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/24/00
Inject Time..: 21:34 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_062A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:31:01
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	11.061	88.488		

Software Version: 4.1<2F12>
Sample Name : 284-13 Time : 10/25/00 04:10 PM
Sample Number: DM0981AD Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 09:34 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

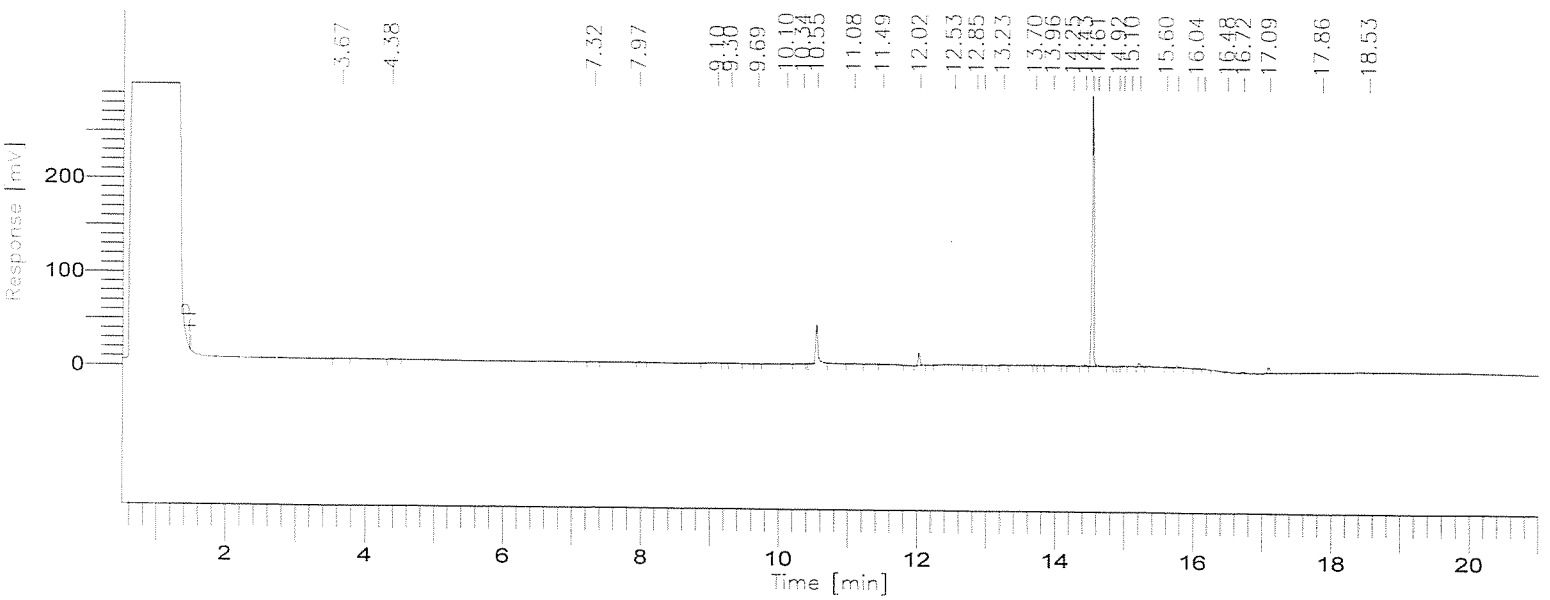
Raw Data File : C:\TC4\DATA_01\O23_062A.RAW
Result File : C:\TC4\DATA_01\O23_062A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_062A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

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: 37



001066

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	4358	0.109	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	1392	0.032	------	10.0	
8.59	C14-C15	1745	0.036	------	10.0	
9.69	C16-C17	3099	0.072	------	10.0	
10.72	C18-C19	107821	2.245	------	10.0	
12.02	C20-C23	42647	0.491	------	10.0	
13.53	C24-C27	6973	0.083	------	10.0	
14.82	C28-C31	589774	6.868	------	10.0	
15.90	C32-C35	17728	0.206	------	10.0	
16.99	C36-C39	24244	0.283	------	10.0	
19.29	C40+	12068	0.292	------	10.0	
		811849	10.717			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.67		3102	0.001	------	10.0	
4.38		1256	0.000	------	10.0	
		4358	0.001			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		542	0.000	------	10.0	
7.97		850	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		1392	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.10		1745	0.000	------	10.0	
		1745	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		1154	0.000	------	10.0	
9.69		726	0.000	------	10.0	
.10		1220	0.000	------	10.0	
		3099	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		1131	0.000	------	10.0	
10.55		102607	0.026	------	10.0	
11.08		4082	0.001	------	10.0	
		107821	0.027			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1.49		6292	0.002	------	10.0	
12.02		30723	0.008	------	10.0	
12.53		5632	0.001	------	10.0	
		42647	0.011			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.85		997	0.000	------	10.0	
12.97		823	0.000	------	10.0	
13.23		3172	0.001	------	10.0	
13.70		372	9.300e-05	------	10.0	
13.96		1610	0.000	------	10.0	
		6973	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		3023	0.001	------	10.0	
14.43		4187	0.001	------	10.0	
14.54		561422	0.140	------	10.0	
14.61		6118	0.002	------	10.0	
14.76		546	0.000	------	10.0	
.92		422	0.000	------	10.0	
14.98		3327	0.001	------	10.0	
15.10		1904	0.000	------	10.0	
15.21		8826	0.002	------	10.0	
		589774	0.147			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.60		1108	0.000	------	10.0	
15.76		8374	0.002	------	10.0	
16.04		4825	0.001	------	10.0	
16.15		3421	0.001	------	10.0	
		17728	0.004			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.48		838	0.000	------	10.0	
16.71		5041	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.09		18365	0.005	------	10.0	
		24244	0.006			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.85		11320	0.003	------	10.0	
18.53		748	0.000	------	10.0	
		12068	0.003			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

SFL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_062A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-13 Time : 10/24/00 09:54 PM
Sample Number: DM0981AD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 09:34 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

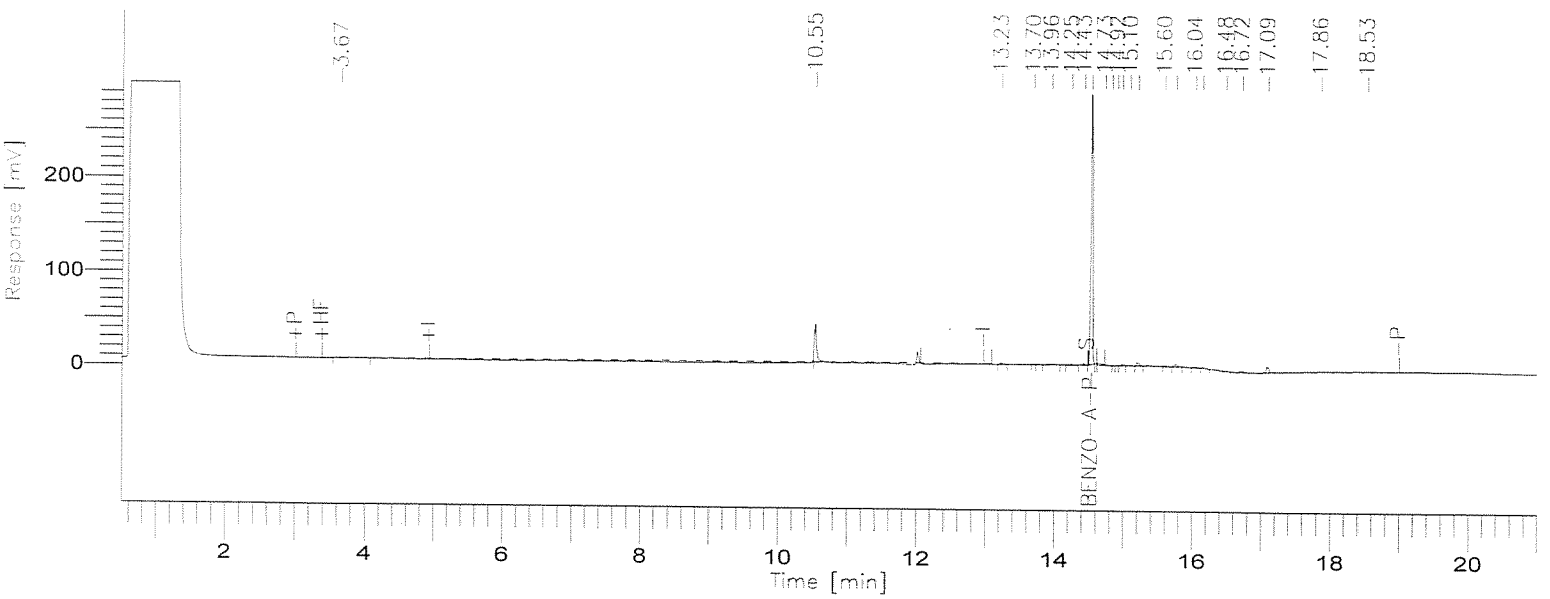
Raw Data File : C:\TC4\DATA_01\O23_062.RAW
Result File : C:\TC4\DATA_01\O23_062.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_062.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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: 23



001071

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	556806	11.061	88.5	10.0	
		556806	11.061			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_062.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 12:31:21

Lot/Sample: E0J110284-014 C-2-132-5
WO#.....: DM1AA-1-AD
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/24/00
Inject Time..: 22:04 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_063A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:31:09
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	9.958	79.664		

Software Version: 4.1<2F12>
Sample Name : 284-14 Time : 10/25/00 04:10 PM
Sample Number: DM1AA1AD Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 10:04 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

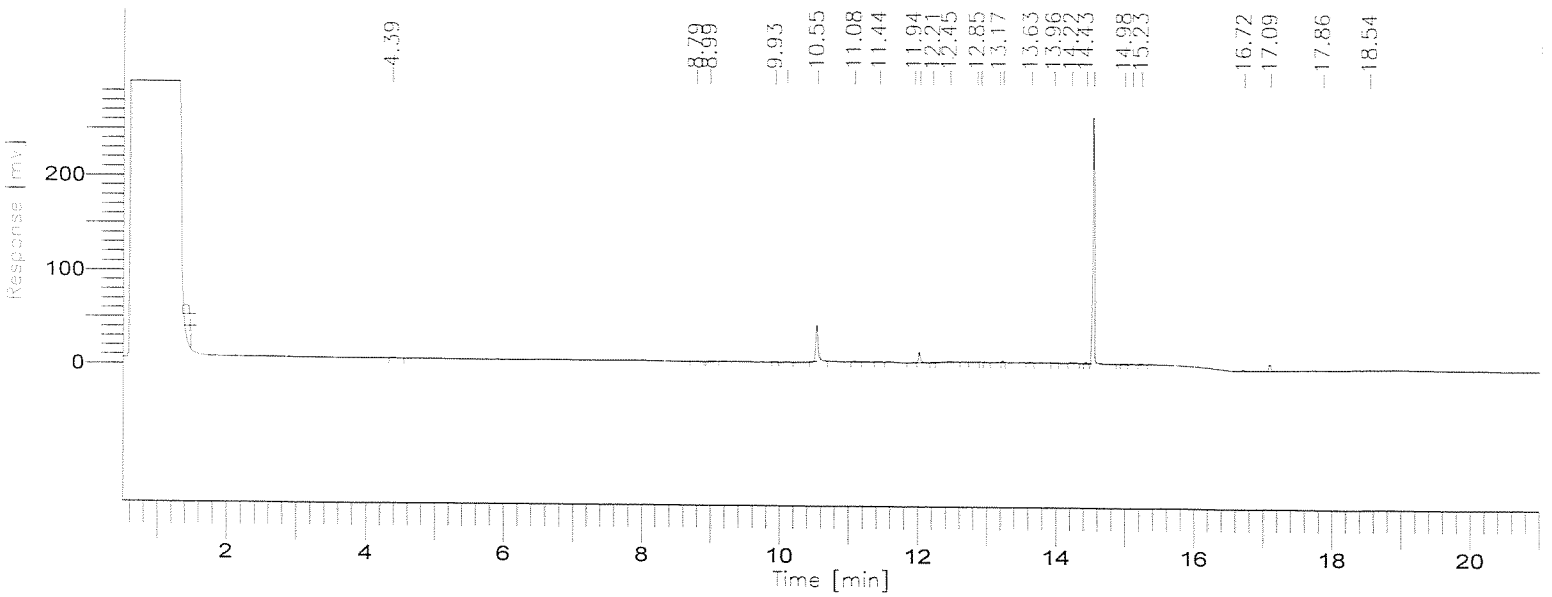
Raw Data File : C:\TC4\DATA_01\O23_063A.RAW
Result File : C:\TC4\DATA_01\O23_063A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_063A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

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: 28



001074

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	1817	0.045	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	2221	0.046	------	10.0	
9.69	C16-C17	1558	0.036	------	10.0	
10.72	C18-C19	103785	2.161	------	10.0	
12.02	C20-C23	40019	0.461	------	10.0	
13.53	C24-C27	14779	0.176	------	10.0	
14.82	C28-C31	512467	5.968	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	20140	0.235	------	10.0	
19.29	C40+	1802	0.044	------	10.0	
		698587	9.171			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.39		1817	0.000	------	10.0	
		1817	0.000			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.79		1080	0.000	------	10.0	
8.99		1141	0.000	------	10.0	
		2221	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.93		591	0.000	------	10.0	
10.10		966	0.000	------	10.0	
		1558	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		100875	0.025	------	10.0	
11.08		2910	0.001	------	10.0	
		103785	0.026			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.44		1482	0.000	------	10.0	
11.94		2407	0.001	------	10.0	
12.02		27107	0.007	------	10.0	
12.21		568	0.000	------	10.0	
12.45		8454	0.002	------	10.0	
		40019	0.010			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.85		1317	0.000	------	10.0	
12.91		811	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.17		1614	0.000	------	10.0	
13.23		3301	0.001	------	10.0	
13.63		1374	0.000	------	10.0	
13.96		1492	0.000	------	10.0	
14.22		4871	0.001	------	10.0	
		14779	0.004			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.43		2963	0.001	------	10.0	
14.54		503021	0.126	------	10.0	
14.98		2370	0.001	------	10.0	
15.10		1716	0.000	------	10.0	
15.23		2397	0.001	------	10.0	
		512467	0.128			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.72		3168	0.001	------	10.0	
17.09		16972	0.004	------	10.0	
		20140	0.005			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.85		933	0.000	------	10.0	
18.53		870	0.000	------	10.0	

1802 0.000

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_063A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-14 Time : 10/24/00 10:24 PM
Sample Number: DM1AA1AD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 10:04 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

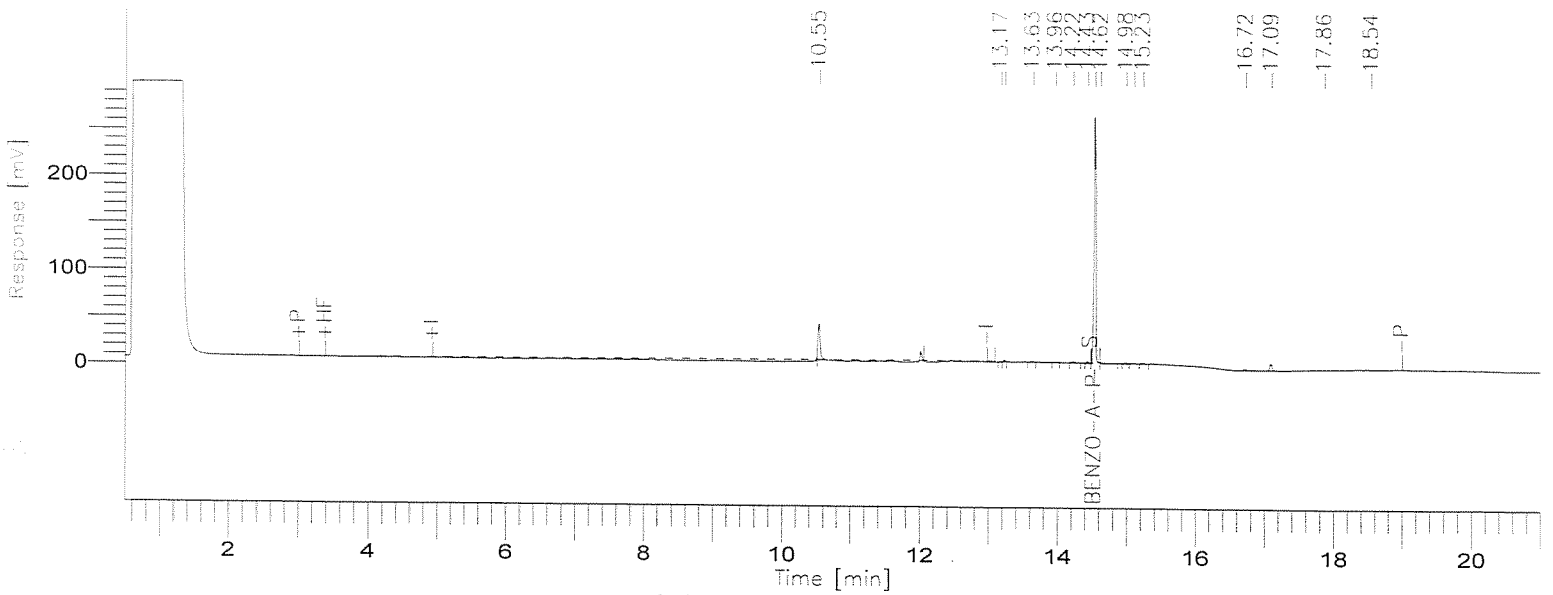
Raw Data File : C:\TC4\DATA_01\O23_063.RAW
Result File : C:\TC4\DATA_01\O23_063.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_063.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



001079

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	501303	9.958	79.7	10.0	
		501303	9.958			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_063.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 12:31:21

Lot/Sample: E0J110284-015 C-2-133-5
WO#.....: DM1AE-1-AD
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N
Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/24/00
Inject Time..: 22:34 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_064A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:31:16
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	10.114	80.912		

Software Version: 4.1<2F12>
Sample Name : 284-15
Sample Number: DM1AE1AD
Operator :

Time : 10/25/00 04:10 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 10:34 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

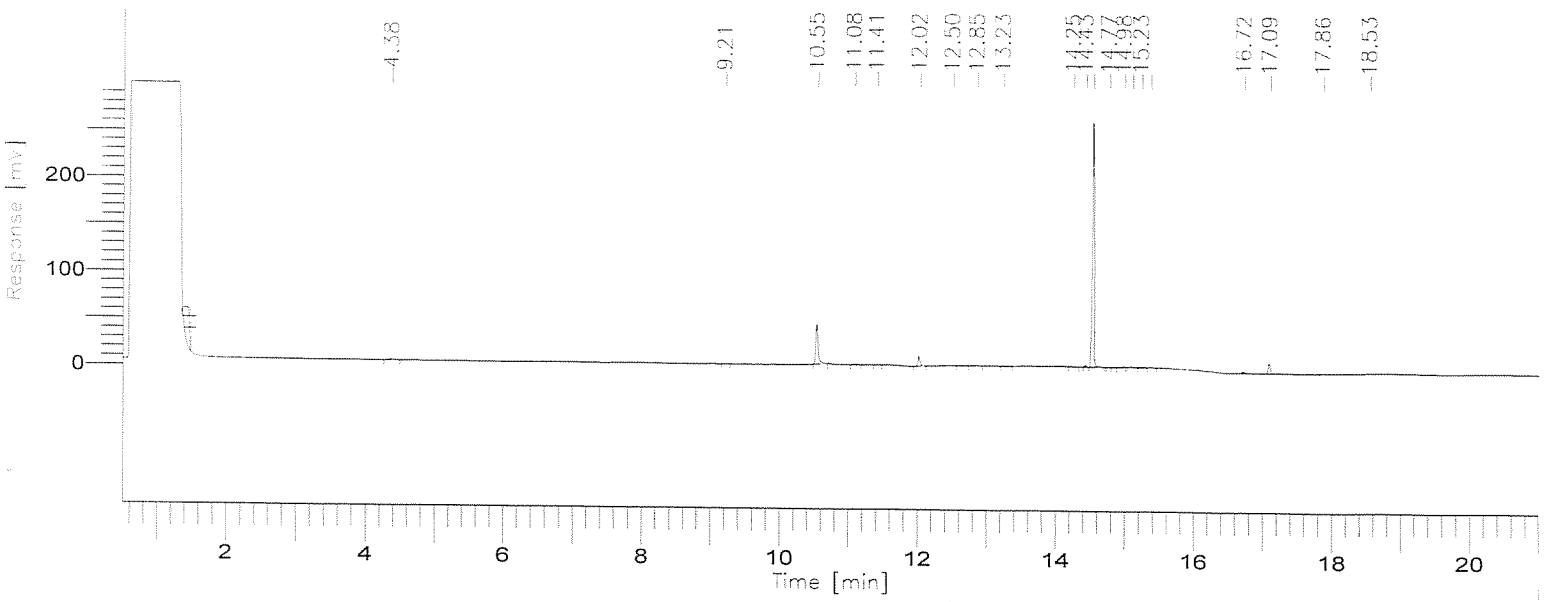
Raw Data File : C:\TC4\DATA_01\O23_064A.RAW
Result File : C:\TC4\DATA_01\O23_064A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_064A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

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



001082

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	3021	0.076	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	588	0.014	------	10.0	
10.72	C18-C19	111224	2.315	------	10.0	
12.02	C20-C23	31706	0.365	------	10.0	
13.53	C24-C27	3933	0.047	------	10.0	
14.82	C28-C31	523888	6.101	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	27675	0.323	------	10.0	
19.29	C40+	1717	0.042	------	10.0	
		703752	9.282			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.38		3021	0.001	------	10.0	
		3021	0.001			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.21		588	0.000	------	10.0	
		588	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		108942	0.027	------	10.0	
11.08		2282	0.001	------	10.0	
		111224	0.028			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.41		551	0.000	------	10.0	
12.02		24661	0.006	------	10.0	
12.50		6494	0.002	------	10.0	
		31706	0.008			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.85		2231	0.001	------	10.0	
13.23		1702	0.000	------	10.0	
		3933	0.001			

Group Report For : C28-C31

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
25		2217	0.001	------	10.0
14.43		2966	0.001	------	10.0
14.54		509730	0.127	------	10.0
14.76		361	9.025e-05	------	10.0
14.98		2377	0.001	------	10.0
15.10		2490	0.001	------	10.0
15.23		2221	0.001	------	10.0
15.36		1526	0.000	------	10.0
		523888	0.131		

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.72		3798	0.001	------	10.0	
17.09		23877	0.006	------	10.0	
		27675	0.007			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		1002	0.000	------	10.0	
18.53		715	0.000	------	10.0	
		1717	0.000			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_064A.TXO

Software Version: 4.1<2F12>
Sample Name : 284-15
Sample Number: DM1AE1AD
Operator :

Time : 10/24/00 10:55 PM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/24/00 10:34 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

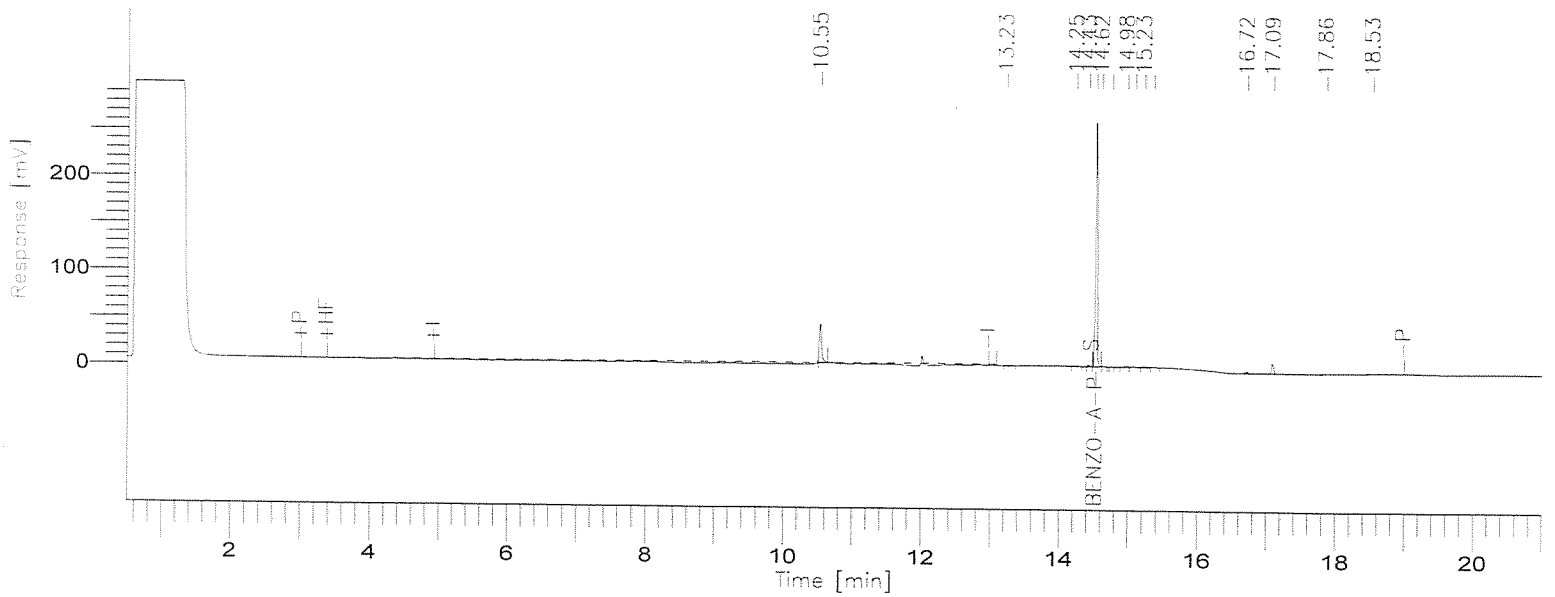
Raw Data File : C:\TC4\DATA_01\O23_064.RAW
Result File : C:\TC4\DATA_01\O23_064.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_064.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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: 15



001087

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	509147	10.114	80.9	10.0	
		509147	10.114			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_064.TXO

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:04:05

Lot/Sample: E0J110284-021 C-2-104-5
WO#.....: DM1AR-1-AD
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/25/00
Inject Time..: 0:05 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_067A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:31:34
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	10.222	81.776		

Software Version: 4.1<2F12>
Sample Name : 284-21
Sample Number: DM1AR1AD
Operator :

Time : 10/25/00 04:15 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 12:05 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_067A.RAW
Result File : C:\TC4\DATA_01\O23_067A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_067A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

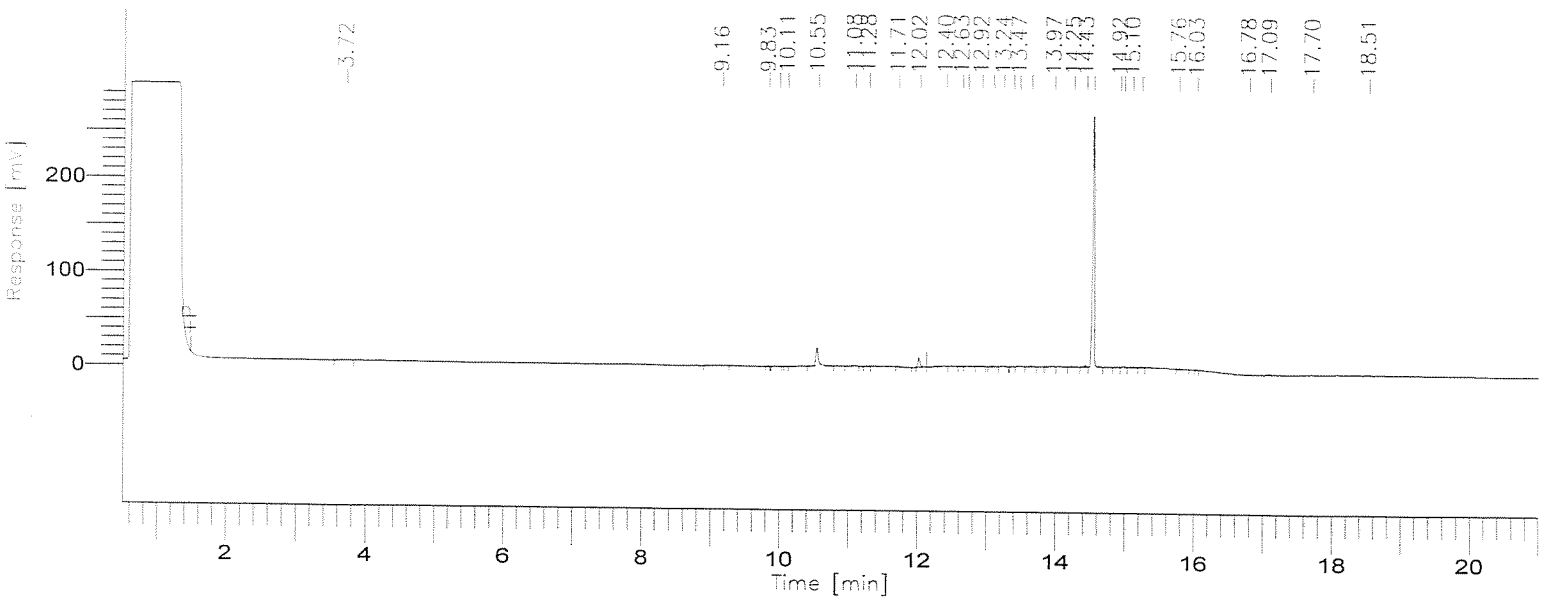
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



001090

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	2934	0.073	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	4390	0.101	------	10.0	
10.72	C18-C19	58952	1.227	------	10.0	
12.02	C20-C23	26987	0.311	------	10.0	
13.53	C24-C27	10993	0.131	------	10.0	
14.82	C28-C31	532610	6.202	------	10.0	
15.90	C32-C35	1868	0.022	------	10.0	
16.99	C36-C39	4404	0.051	------	10.0	
19.29	C40+	1450	0.035	------	10.0	
		644588	8.154			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.72		2934	0.001	------	10.0	
		2934	0.001			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

) peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.16		2662	0.001	------	10.0	
9.83		359	8.975e-05	------	10.0	
9.99		971	0.000	------	10.0	
10.11		398	9.950e-05	------	10.0	
		4390	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		55882	0.014	------	10.0	
.08		3070	0.001	------	10.0	
		58952	0.015			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		560	0.000	------	10.0	
11.71		391	9.775e-05	------	10.0	
12.02		22865	0.006	------	10.0	
12.40		1266	0.000	------	10.0	
12.63		590	0.000	------	10.0	
12.72		1316	0.000	------	10.0	
		26987	0.007			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		1378	0.000	------	10.0	
13.09		758	0.000	------	10.0	
13.23		2056	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.38		564	0.000	------	10.0	
13.47		3103	0.001	------	10.0	
13.64		1850	0.000	------	10.0	
13.97		1284	0.000	------	10.0	
		10993	0.003			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		3962	0.001	------	10.0	
14.43		4092	0.001	------	10.0	
14.54		515617	0.129	------	10.0	
14.92		778	0.000	------	10.0	
14.98		2613	0.001	------	10.0	
15.10		2748	0.001	------	10.0	
15.23		2801	0.001	------	10.0	
		532610	0.133			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.76		1246	0.000	------	10.0	
16.03		622	0.000	------	10.0	
		1868	0.000			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.78		770	0.000	------	10.0	
17.09		3634	0.001	------	10.0	
		4404	0.001			

Group Report For : C40+

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
[illegible] 70		725	0.000	------	10.0
10.51		724	0.000	------	10.0
		1450	0.000		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_067A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-21
Sample Number: DM1AR1AD
:rator :

Time : 10/25/00 12:25 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 12:05 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_067.RAW
Result File : C:\TC4\DATA_01\O23_067.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_067.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

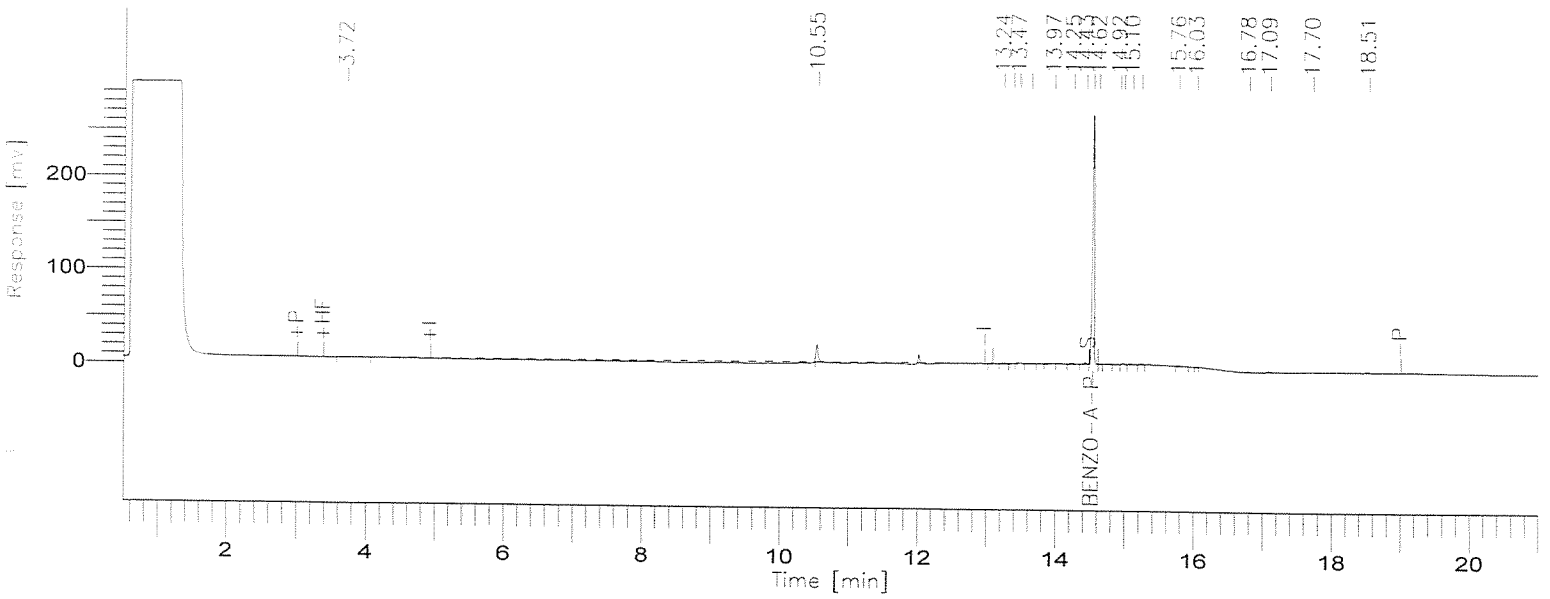
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
ltiplier : 5.0000
Area Threshold : 200
Divisor : 20.0000
Bunch Factor: 1
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



001095

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	514577	10.222	81.8	10.0	
		514577	10.222			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_067.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:04:05

Lot/Sample: E0J110284-022 C-2-104-10 TICs.....: N Report Results: Y
WO#.....: DM1AV-1-AD Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/25/00
Inject Time..: 0:35 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_068A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:31:41
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	7.883	63.064		

Software Version: 4.1<2F12>
Sample Name : 284-22
Sample Number: DM1AV1AD
rator :

Time : 10/25/00 04:16 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 12:35 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_068A.RAW
Result File : C:\TC4\DATA_01\O23_068A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_068A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
ltiplier : 5.0000

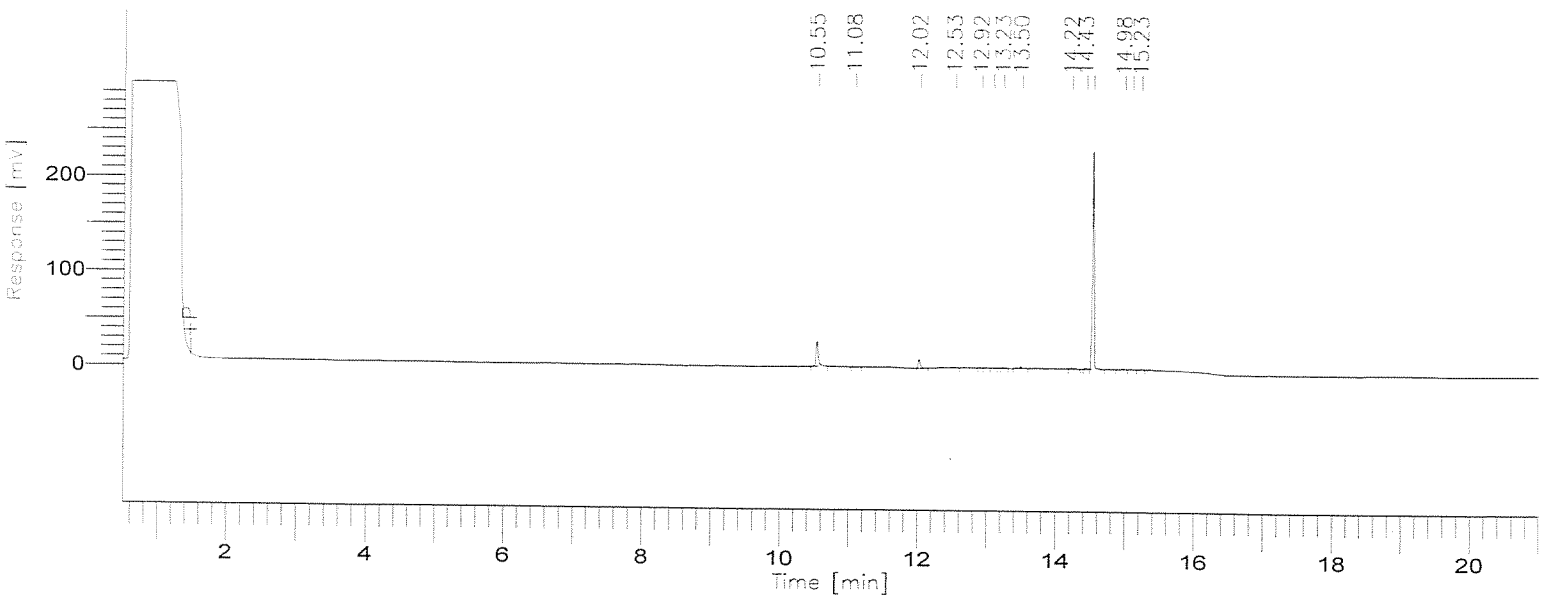
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 14



001098

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	69329	1.443	------	10.0	
12.02	C20-C23	29641	0.341	------	10.0	
13.53	C24-C27	8477	0.101	------	10.0	
14.82	C28-C31	404889	4.715	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	0	0.000	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		512336	6.601			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

No peaks available to report

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
10.55		67597	0.017	------	10.0	
11.08		1732	0.000	------	10.0	
		69329	0.017			

Group Report For : C20-C23

Time in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.02		21963	0.005	------	10.0	
12.53		7678	0.002	------	10.0	
		29641	0.007			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		435	0.000	------	10.0	
13.08		352	8.800e-05	------	10.0	
13.23		1334	0.000	------	10.0	
13.50		3316	0.001	------	10.0	
14.22		3041	0.001	------	10.0	
		8477	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.43		8296	0.001	------	10.0	

001100

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.54		397247	0.099	------	10.0	
14.98		1968	0.000	------	10.0	
15.10		1760	0.000	------	10.0	
15.23		1618	0.000	------	10.0	
		404889	0.101			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_068A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-22 Time : 10/25/00 12:55 AM
Sample Number: DM1AV1AD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 12:35 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

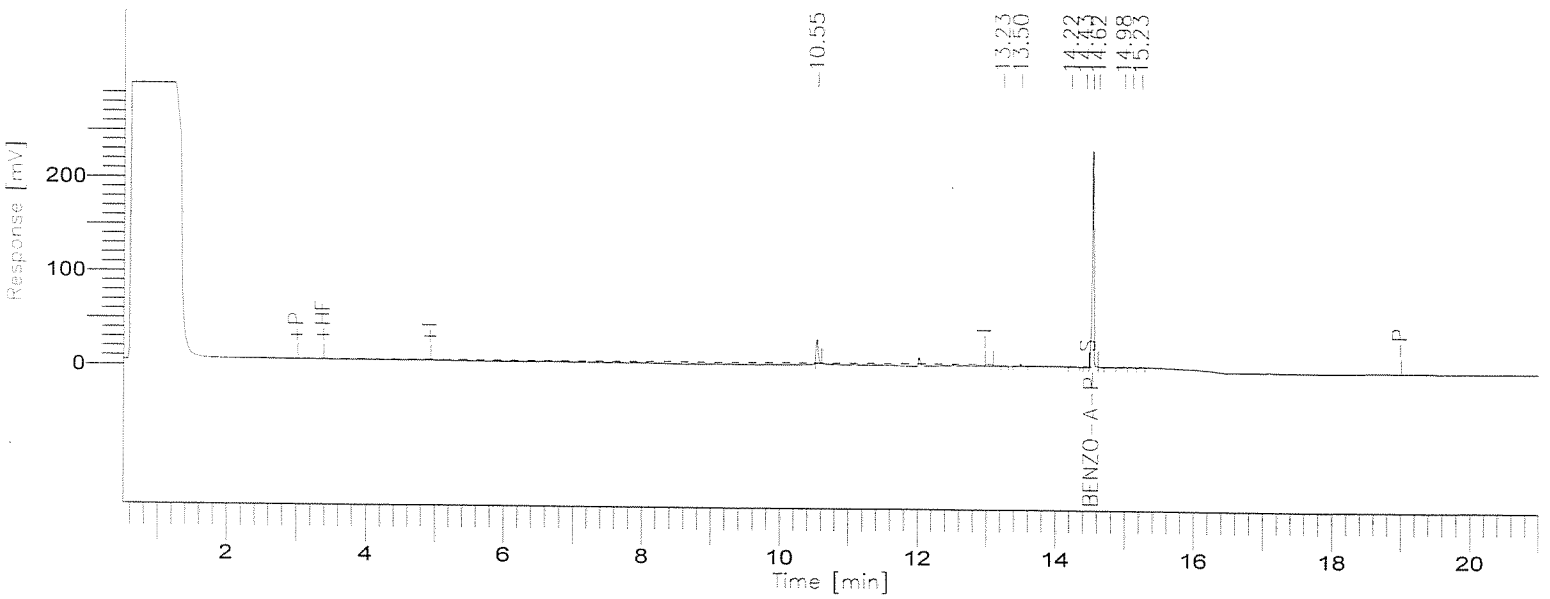
Raw Data File : C:\TC4\DATA_01\O23_068.RAW
Result File : C:\TC4\DATA_01\O23_068.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_068.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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: 10



001102

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	396834	7.883	63.1	10.0	
		396834	7.883			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_068.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:04:05

Lot/Sample: E0J110284-023 C-2-136-1 TICs.....: N Report Results: Y
WO#.....: DM1AX-1-AD Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/26/00
Inject Time..: 14:37 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O26_009A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:32:00
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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			8.0067	10	5	J	J
05203	C28-C31			11.0195	10	5		
05204	C32-C35			9.7660	10	5	J	J
05205	C36-C39			5.7331	10	5	J	J
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			50.7493	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.752	110.0192		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:04:05

Lot/Sample: E0J110284-023 C-2-136-1 TICs.....: N Report Results: Y
WO#.....: DM1AX-1-AD Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 284-23 Time : 10/26/00 04:30 PM
Sample Number: DM1AX1AD Study : ICAL 9/27/00
(rator :

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

Interface Serial # : 8293570026 Data Acquisition Time: 10/26/00 02:37 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

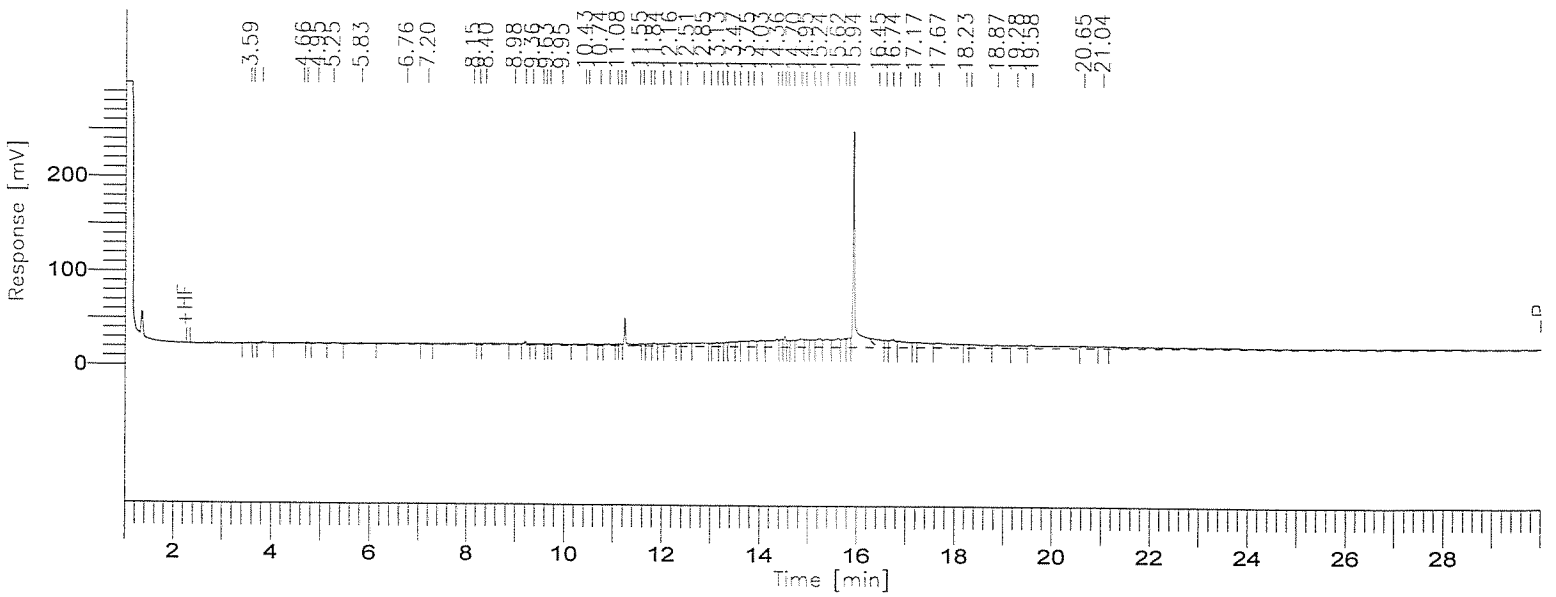
Raw Data File : C:\TC4\DATA_3\O26_009A.RAW
Result File : C:\TC4\DATA_3\O26_009A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O26_009A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O26_009A.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O26_009A.RST
Sequence File : C:\TC4\DATA_3\O26.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
ltiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 73



001106

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	48077	1.1000	-------	10.0	
6.07	C10-C11	78779	1.6806	-------	10.0	
7.77	C12-C13	99859	2.0071	-------	10.0	
9.18	C14-C15	63550	1.3001	-------	10.0	
10.44	C16-C17	100933	2.0726	-------	10.0	
11.58	C18-C19	160016	3.2884	-------	10.0	
13.05	C20-C23	453483	4.7754	-------	10.0	
14.78	C24-C27	695199	8.0067	-------	10.0	
16.36	C28-C31	1288271	17.7753	-------	10.0	
18.35	C32-C35	520419	9.7660	-------	10.0	
21.82	C36-C39	234199	5.7331	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		3742785	57.5052			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.59		2638	0.0007	-------	10.0	
3.65		1786	0.0004	-------	10.0	
3.83		11252	0.0028	-------	10.0	
4.66		16238	0.0041	-------	10.0	
4.74		5498	0.0014	-------	10.0	
4.95		10665	0.0027	-------	10.0	
		48077	0.0120			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		13243	0.0033	-------	10.0	
5.83		27622	0.0069	-------	10.0	
6.76		37914	0.0095	-------	10.0	
		78779	0.0197			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.20		11319	0.0028	-------	10.0	
8.15		47858	0.0120	-------	10.0	
8.28		6581	0.0016	-------	10.0	
8.40		34101	0.0085	-------	10.0	
		99859	0.0250			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.98		16275	0.0041	-------	10.0	
9.21		16455	0.0041	-------	10.0	
9.36		7536	0.0019	-------	10.0	
9.56		12246	0.0031	-------	10.0	
9.63		4791	0.0012	-------	10.0	
9.71		6247	0.0016	-------	10.0	
		63550	0.0159			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.95		30373	0.0076	-------	10.0	
10.43		22955	0.0057	-------	10.0	
10.50		19316	0.0048	-------	10.0	
10.74		7850	0.0020	-------	10.0	
10.92		20439	0.0051	-------	10.0	
		100933	0.0252			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		6465	0.0016	-------	10.0	
11.16		7325	0.0018	-------	10.0	
11.25		73095	0.0183	-------	10.0	
11.55		13710	0.0034	-------	10.0	
11.63		9619	0.0024	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].77		15658	0.0039	-------	10.0	
11.84		16826	0.0042	-------	10.0	
12.02		17318	0.0043	-------	10.0	
		160016	0.0400			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.16		38628	0.0097	-------	10.0	
12.37		16961	0.0042	-------	10.0	
12.51		41044	0.0103	-------	10.0	
12.85		70562	0.0176	-------	10.0	
13.00		12804	0.0032	-------	10.0	
13.13		28403	0.0071	-------	10.0	
13.24		22166	0.0055	-------	10.0	
13.33		21766	0.0054	-------	10.0	
13.47		43109	0.0108	-------	10.0	
[illegible].59		37008	0.0093	-------	10.0	
[illegible].75		58738	0.0147	-------	10.0	
13.86		62294	0.0156	-------	10.0	
		453483	0.1134			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.03		65050	0.0163	-------	10.0	
14.36		117712	0.0294	-------	10.0	
14.45		39066	0.0098	-------	10.0	
14.52		44537	0.0111	-------	10.0	
14.60		28056	0.0070	-------	10.0	
14.70		43058	0.0108	-------	10.0	
14.85		88120	0.0220	-------	10.0	
14.95		54332	0.0136	-------	10.0	
15.11		53259	0.0133	-------	10.0	
15.24		74180	0.0185	-------	10.0	
[illegible].39		87829	0.0220	-------	10.0	
		695199	0.1738			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.62		92273	0.0231	-------	10.0	
15.76		61091	0.0153	-------	10.0	
15.83		57476	0.0144	-------	10.0	
15.94		747771	0.1869	-------	10.0	
16.45		105147	0.0263	-------	10.0	
16.59		36792	0.0092	-------	10.0	
16.74		80496	0.0201	-------	10.0	
16.87		107225	0.0268	-------	10.0	
		1288271	0.3221			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.17		33009	0.0083	-------	10.0	
17.27		96718	0.0242	-------	10.0	
17.67		153541	0.0384	-------	10.0	
18.23		26037	0.0065	-------	10.0	
.34		87575	0.0219	-------	10.0	
18.87		65753	0.0164	-------	10.0	
19.28		57786	0.0144	-------	10.0	
		520419	0.1301			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.58		158373	0.0396	-------	10.0	
20.65		48353	0.0121	-------	10.0	
21.04		27473	0.0069	-------	10.0	
		234199	0.0585			

Group Report For : C40+

No peaks available to report

Missing Component Report

Component Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\O26_009A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-23 Time : 10/26/00 03:06 PM
Sample Number: DM1AX1AD Study : ICAL 9/27/00
(rator :

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

Interface Serial # : 8293570026 Data Acquisition Time: 10/26/00 02:37 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

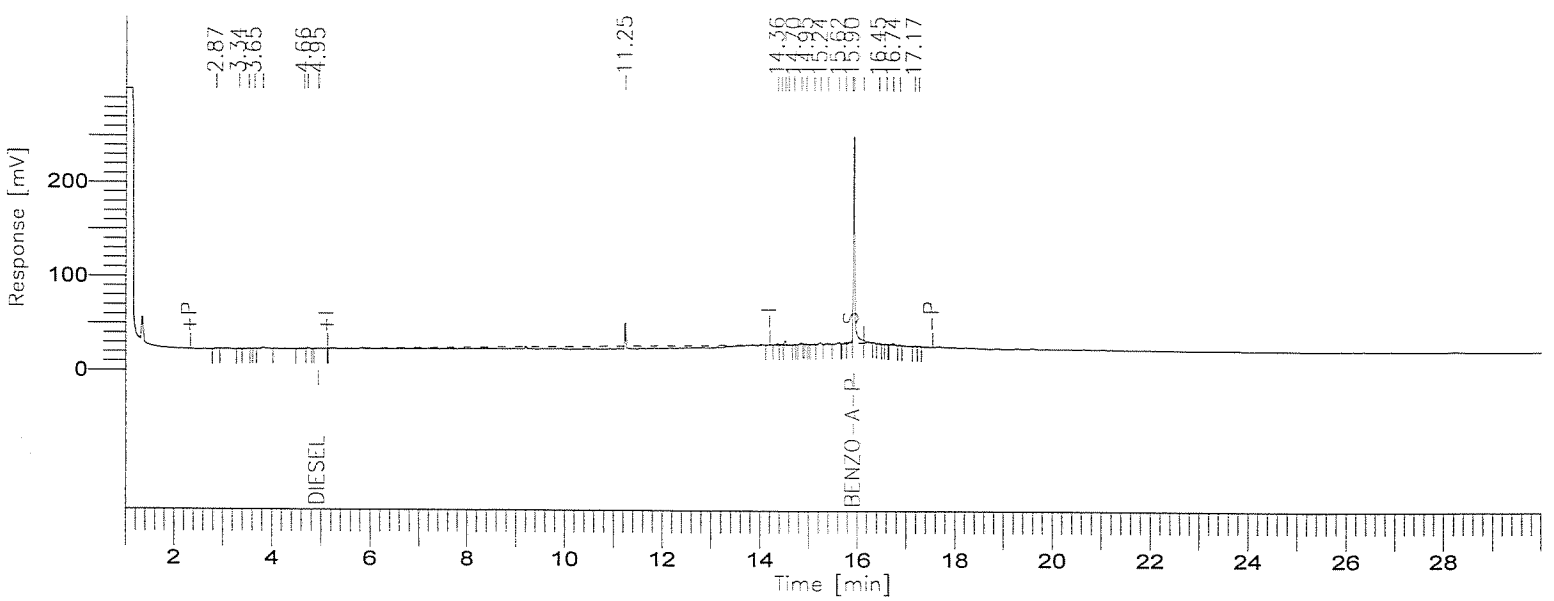
Raw Data File : C:\TC4\DATA_3\O26_009.RAW
Result File : C:\TC4\DATA_3\O26_009.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O26_009.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O26.SEQ

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
ltiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 30



001112

BOE-C6-0164304

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.95	DIESEL	1492	0.0382	-------	10.0	
15.94	BENZO-A-PYRENE	489629	13.7524	110.02	10.0	
		491121	13.7906			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O26_009.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:04:05

Lot/Sample: E0J110284-024 C-2-136-5
WO#.....: DM1A1-1-AD
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/25/00
Inject Time..: 1:35 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_070A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 13:32:07
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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	10.244	81.952		

Software Version: 4.1<2F12>
Sample Name : 284-24
Sample Number: DM1A11AD
rator :

Time : 10/25/00 04:16 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 01:35 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_070A.RAW
Result File : C:\TC4\DATA_01\O23_070A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_070A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
ltiplier : 5.0000

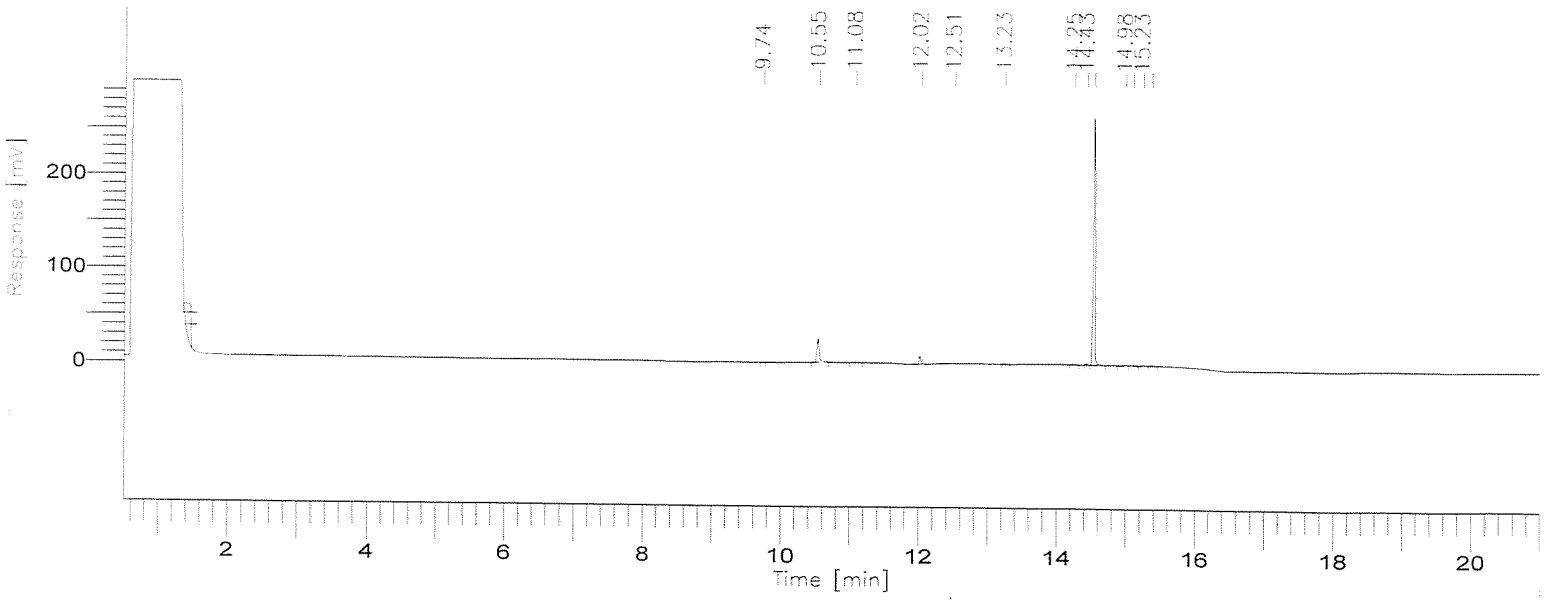
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 13



001115

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	338	0.008	------	10.0	
10.72	C18-C19	65027	1.354	------	10.0	
12.02	C20-C23	28423	0.327	------	10.0	
13.53	C24-C27	1226	0.015	------	10.0	
14.82	C28-C31	530170	6.174	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	0	0.000	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		625182	7.877			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.74		338	8.438e-05	------	10.0	
		338	8.438e-05			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		63368	0.016	------	10.0	
11.08		1658	0.000	------	10.0	
		65027	0.016			

oup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.02		20601	0.005	------	10.0	
12.51		7822	0.002	------	10.0	
		28423	0.007			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.23		1226	0.000	------	10.0	
		1226	0.000			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2125	0.001	------	10.0	
14.43		2994	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.54		516280	0.129	------	10.0	
14.98		2683	0.001	------	10.0	
15.10		2588	0.001	------	10.0	
15.23		2128	0.001	------	10.0	
15.36		1373	0.000	------	10.0	
		530170	0.133			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_070A.TXO

Software Version: 4.1<2F12>
Sample Name : 284-24 Time : 10/25/00 01:55 AM
Sample Number: DM1A11AD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 01:35 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

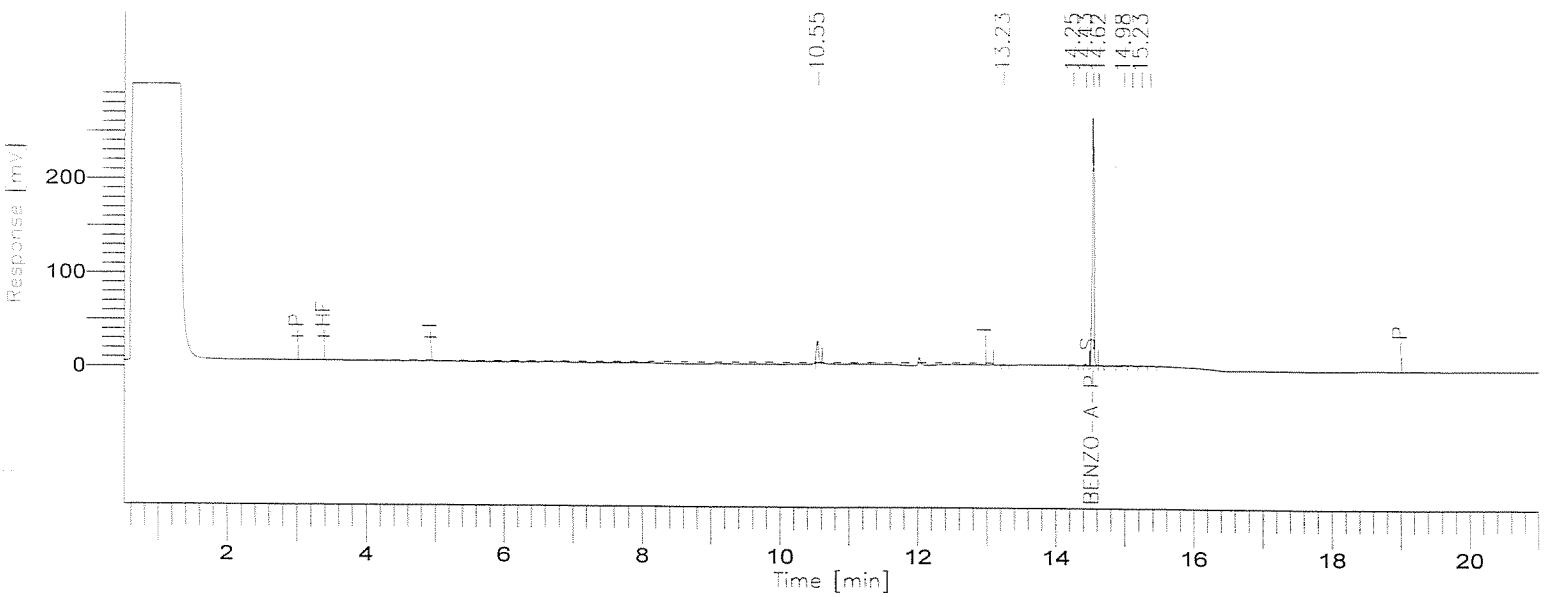
Raw Data File : C:\TC4\DATA_01\O23_070.RAW
Result File : C:\TC4\DATA_01\O23_070.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_070.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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: 10



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	515703	10.244	82.0	10.0	
		515703	10.244			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_070.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:34:03

Lot/Sample: E0J060359-002 C-2-89-10 TICs.....: N Report Results: Y
WO#.....: DLQ16-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 1:56 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O16_104A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:KENTF 0/10/21 11:04:37
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-18:00
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....:
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			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		
04980	Diesel Range Organics	*		NA	10	6		NA
05013	Motor Oil Range Organic	*		NA	10	5		NA
03052	TPH (as Diesel)	*		NA	10	5		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)

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:34:03

Lot/Sample: E0J060359-002 C-2-89-10 TICs.....: N Report Results: Y
WO#.....: DLQ16-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.032	104.256		

Software Version: 4.1<2F12>
Sample Name : 359-02 Time : 10/25/00 04:00 PM
Sample Number: DLQ16102 Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 01:56 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

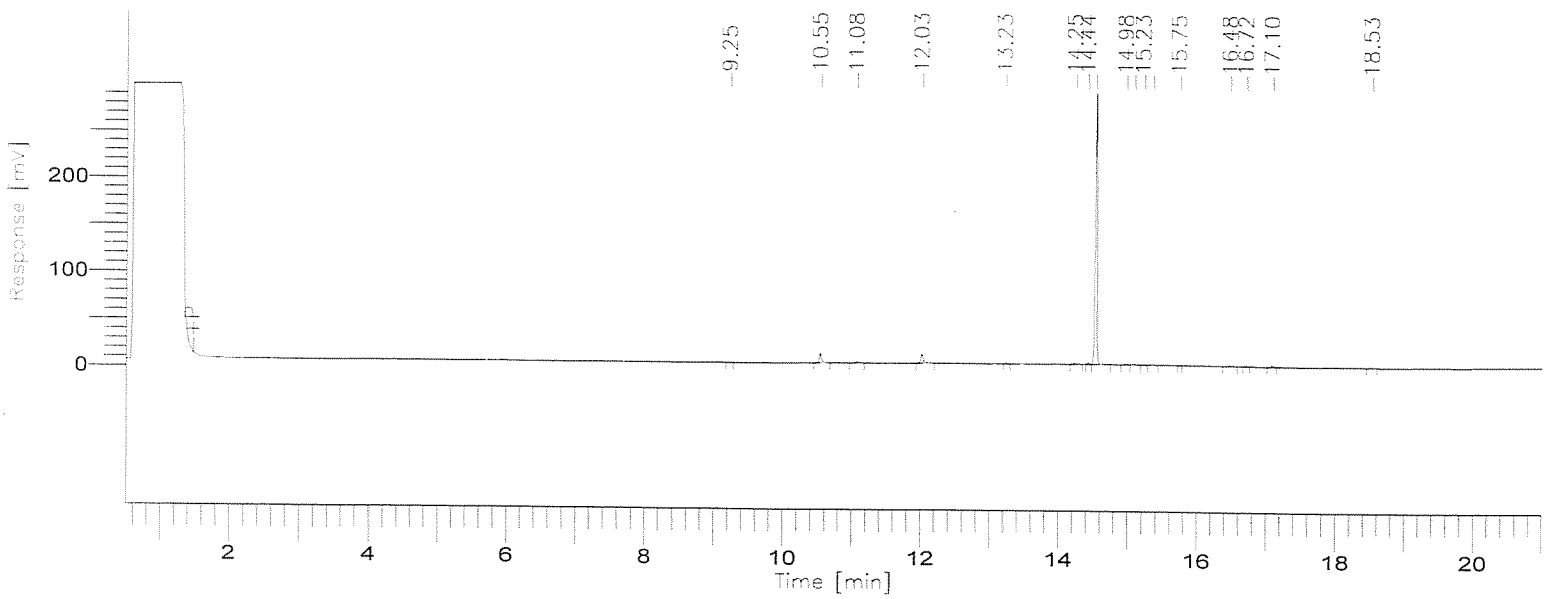
Raw Data File : C:\TC4\DATA_01\O16_104A.RAW
Result File : C:\TC4\DATA_01\O16_104A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_104A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O16_104A.R
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O16_104A.R
Sequence File : C:\TC4\DATA_01\O16.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



001123

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	863	0.020	------	10.0	
10.72	C18-C19	26268	0.547	------	10.0	
12.02	C20-C23	25665	0.296	------	10.0	
13.53	C24-C27	2290	0.027	------	10.0	
14.82	C28-C31	565775	6.589	------	10.0	
15.90	C32-C35	286	0.003	------	10.0	
16.99	C36-C39	6620	0.077	------	10.0	
19.29	C40+	859	0.021	------	10.0	
		628626	7.580			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		863	0.000	------	10.0	
		863	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		23424	0.006	------	10.0	
11.08		2844	0.001	------	10.0	
		26268	0.007			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		25665	0.006	------	10.0	
		25665	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.23		2290	0.001	------	10.0	
		2290	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2816	0.001	------	10.0	
14.43		3197	0.001	------	10.0	
14.55		551048	0.138	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.98		2592	0.001	------	10.0	
15.10		2571	0.001	------	10.0	
15.23		2115	0.001	------	10.0	
15.36		1436	0.000	------	10.0	
		565775	0.141			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.75		286	7.150e-05	------	10.0	
		286	7.150e-05			

Group Report For : C36-C39

Time in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.48		1016	0.000	------	10.0	
16.72		1259	0.000	------	10.0	
17.10		4345	0.001	------	10.0	
		6620	0.002			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.53		859	0.000	------	10.0	
		859	0.000			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_104A.TX0

Software Version: 4.1<2F12>
Sample Name : 359-02 Time : 10/19/00 02:17 AM
Sample Number: DLQ16102 Study : ICAL 8/28/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 01:56 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

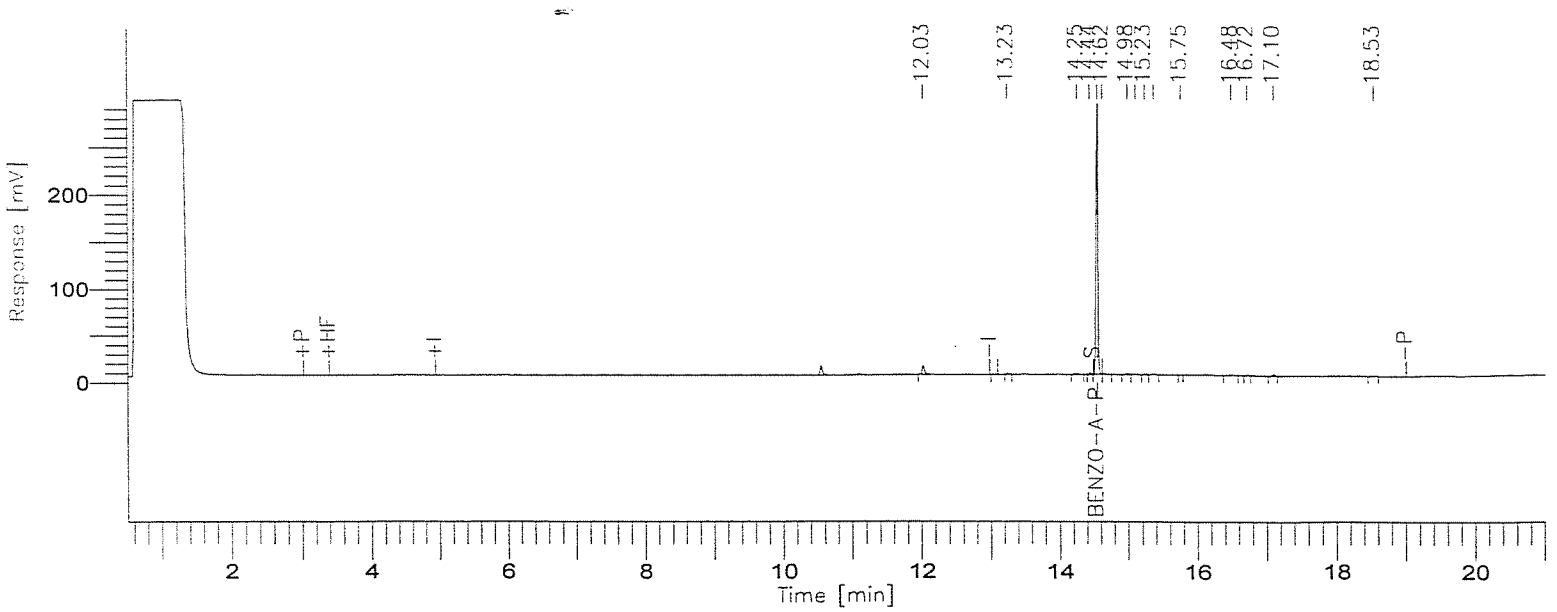
Raw Data File : C:\TC4\DATA_01\O16_104.RAW
Result File : C:\TC4\DATA_01\O16_104.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_104.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O16.SEQ

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: 15



001128

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	550103	13.032	104.3	10.0	
		550103	13.032			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_104.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:34:10

Lot/Sample: E0J060359-002S C-2-89-10 TICs.....: N Report Results: Y
WO#.....: DLQ16-1-04 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 2:27 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O16_105
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:KENTF 0/10/12 18:51:58
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-14:00
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	282.2962	112.9	14.24		
	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	12.908	103.2712		NA

Software Version: 4.1<2F12>
Sample Name : 359-02 MS
Sample Number: DLQ16104S
C rator :

Time : 10/19/00 11:07 AM
Study : ICAL 8/28/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 02:27 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O16_105.RAW
Result File : C:\TC4\DATA_01\O16_105.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_105.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_105.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_105.R
Sequence File : C:\TC4\DATA_01\O16.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
ltiplier : 5.0000

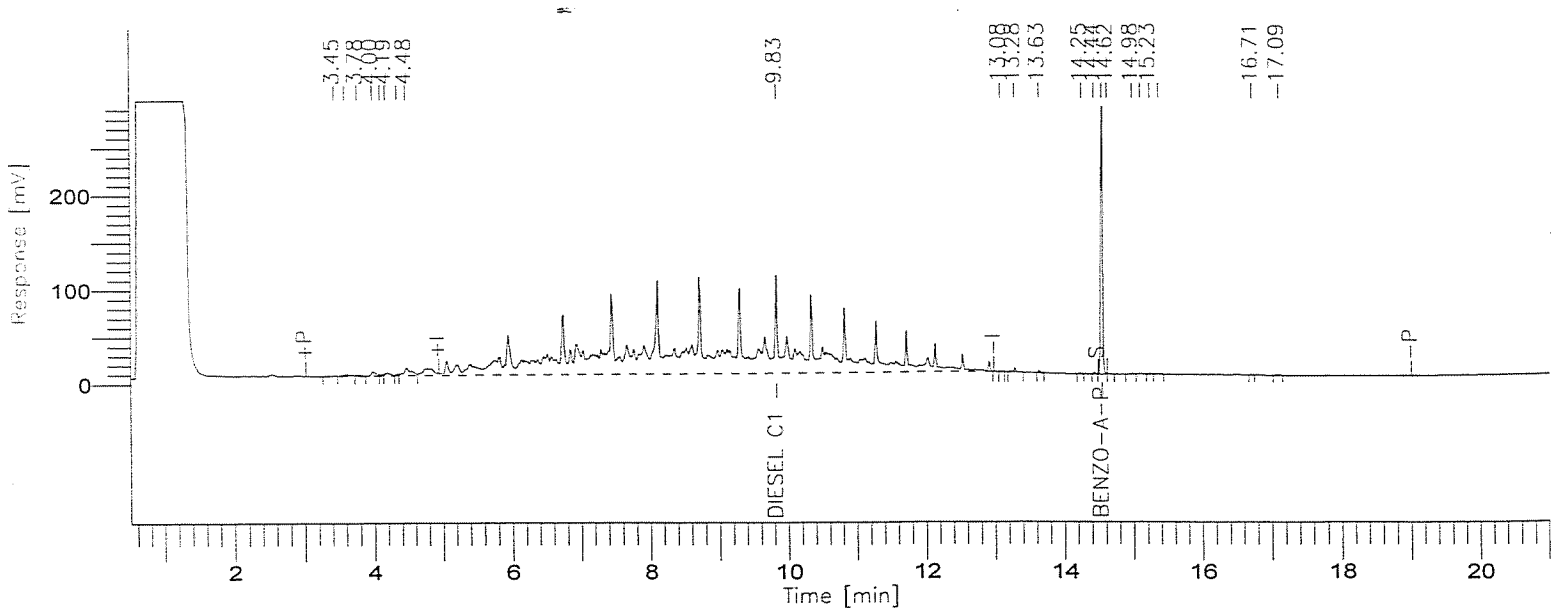
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 22



001131

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
9.832	DIESEL C10-C24	8346840.57	282.2962	250.00	112.92
14.545	BENZO-A-PYRENE	544900.14	12.9089	12.50	103.27
		8891740.71	295.2051	262.50	216.19

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_105.TX0

Software Version: 4.1<2F12>
Sample Name : 359-02 MS
Sample Number: DLQ16104S
Operator :

Time : 10/19/00 02:47 AM
Study : ICAL 8/28/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 02:27 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

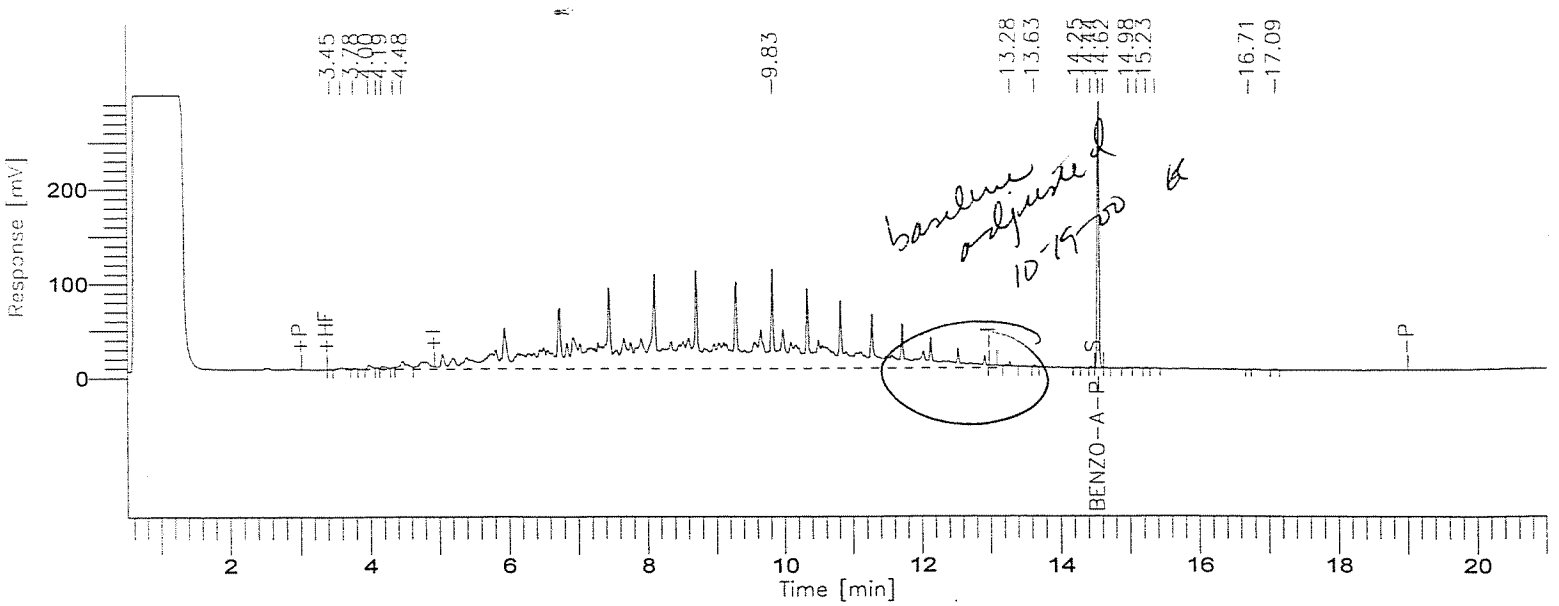
Raw Data File : C:\TC4\DATA_01\O16_105.RAW
Result File : C:\TC4\DATA_01\O16_105.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_105.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O16.SEQ

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



001133

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
8.030	DIESEL C10-C24	0.00	0.0000	------	----------
14.545	BENZO-A-PYRENE	544900.14	12.9089	12.50	103.27
		544900.14	12.9089	12.50	103.27

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_105.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:34:10

Lot/Sample: E0J060359-002D C-2-89-10
WO#.....: DLQ16-1-05
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results:
Dry Weight..:

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/19/00
Inject Time..: 2:57 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O16_106
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:KENTF 0/10/12 18:51:59
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286486
MS Run Number: 0286253
Prep Time....: 14:00-14:00
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	325.5806	130.2	14.24		
	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	14.121	112.9704		NA

Software Version: 4.1<2F12>
Sample Name : 359-02 MSD Time : 10/19/00 11:08 AM
Sample Number: DLQ16105D Study : ICAL 8/28/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 02:57 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

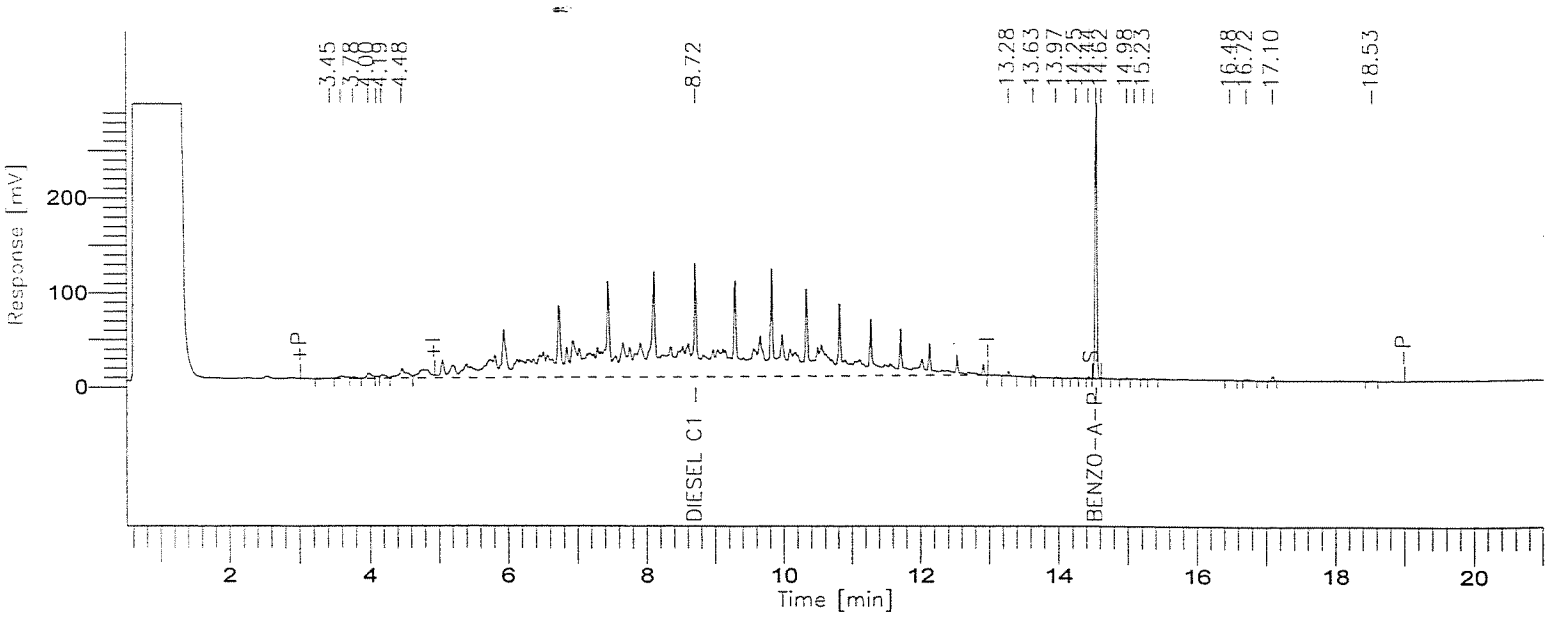
Raw Data File : C:\TC4\DATA_01\O16_106.RAW
Result File : C:\TC4\DATA_01\O16_106.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_106.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_106.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_106.R
Sequence File : C:\TC4\DATA_01\O16.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: 23



001136

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
8.720	DIESEL C10-C24	9626658.68	325.5806	250.00	130.23
14.545	BENZO-A-PYRENE	596078.00	14.1213	12.50	112.97
		10222736.68	339.7020	262.50	243.20

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_106.TX0

Software Version: 4.1<2F12>
Sample Name : 359-02 MSD
Sample Number: DLQ16105D
C rator :

Time : 10/19/00 03:17 AM
Study : ICAL 8/28/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 02:57 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O16_106.RAW
Result File : C:\TC4\DATA_01\O16_106.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O16_106.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O16.SEQ

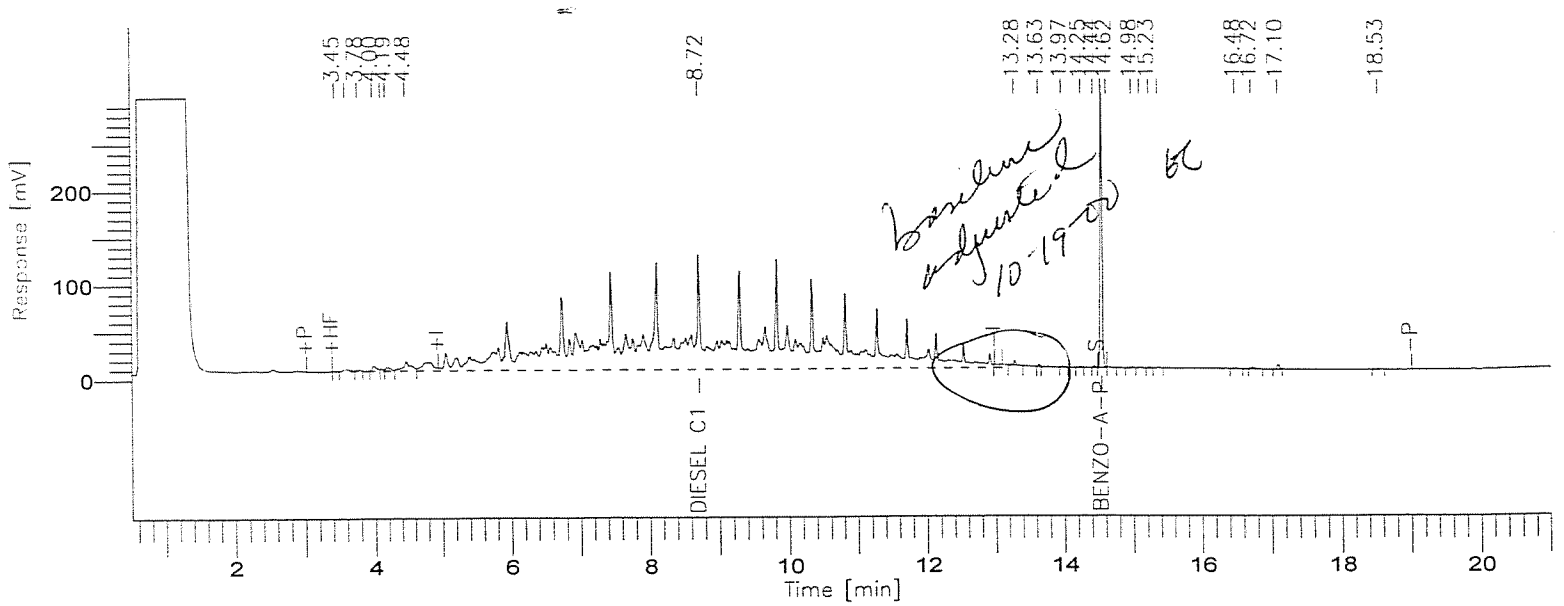
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
ltiplier : 5.0000
Area Threshold : 200
Divisor : 20.0000
Bunch Factor: 1
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



Baseline adequate. 10-19-00 BC

001138

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
8.720	DIESEL C10-C24	10416383.00	352.2897	250.00	140.92
14.545	BENZO-A-PYRENE	596078.00	14.1213	12.50	112.97
		11012461.00	366.4110	262.50	253.89

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O16_106.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 10/19/00

Instrument ID: Ge01

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

BOE-C6-0164332

Turbochrom Method File : C:\TC4\DATA_01\METHODS\DBC10C24.MTH
Created by : ELVIE on : 11/1/99 01:41 PM
Edited by : ec on : 10/20/00 08:42 AM
Description :

Number of Times Edited : 77
Number of Times Calibrated : 577

GC01 Diesel $C_{10} \rightarrow C_{24}$

10/19/00
DBC10C24. Mth.
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 0.131
Event #2 - +P at 3.025
Event #3 - +HF at 3.400
Event #4 - +I at 4.950
Event #5 - -I at 12.985
Event #6 - -HF at 13.101
Event #7 - S at 14.489
Event #8 - S at 14.617
Event #9 - -P at 19.000

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\TC4\DATA_01\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

001141

Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :

DIESEL C10-C24

Component Type : Single Peak Component
Retention Time : 7.708 min Search Window: 40.00 s, 10.00 %
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	334269.00	5216.17	----------	----------	1
2	100.0000	1063261.00	13650.75	----------	----------	1
3	1000.0000	10375782.00	115651.79	----------	----------	1
4	2000.0000	21666648.00	232684.35	----------	----------	1
5	5000.0000	54132749.00	545927.07	----------	----------	1

Average Calibration Factor = 10204.998160 (%RSD = 10.29)

BENZO-A-PYRENE

Component Type : Single Peak Component
Retention Time : 14.546 min Search Window: 5.00 s, 3.00 %
Reference Component:
Find largest peak 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	125744.00	72757.73	----------	----------	1
2	25.0000	331731.14	172015.96	----------	----------	1
3	50.0000	601695.31	366454.69	----------	----------	1
4	80.0000	1004191.20	567836.50	----------	----------	1
5	100.0000	1249645.00	608163.93	----------	----------	1

Average Calibration Factor = 12585.278374 (%RSD = 3.51)

Software Version: 4.1<2F12>
Sample Name : #TEPH00-129 SECOND SOURCE DIESEL STD Time : 10/20/00 08:42 AM
Sample Number: 1000 PPM Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 07:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Second source - good to use 10/20/00 EC

From Ext. lab diesel stock # 1560-2
Source - Union 76 Edwards St

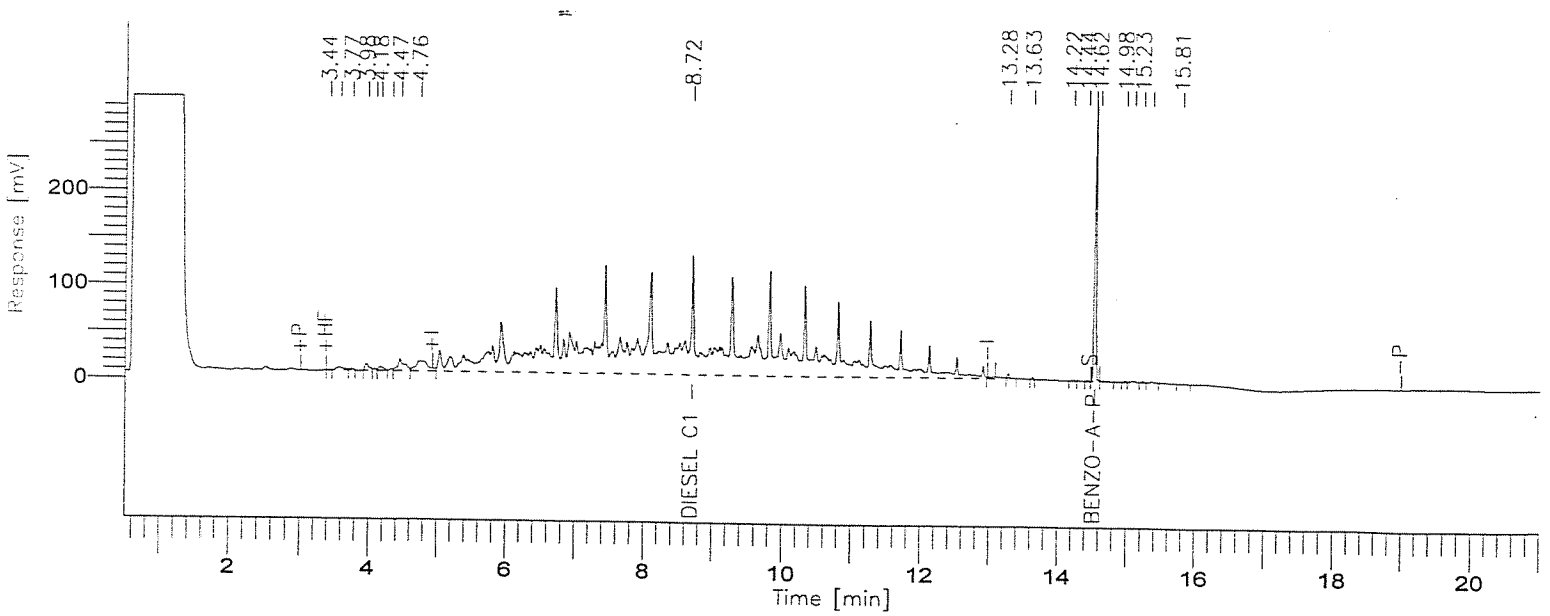
Raw Data File : C:\TC4\DATA_01\O19_016.RAW
Result File : C:\TC4\DATA_01\O19_016.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_016.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

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



001143

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.435		452	0.0005	------	----------
3.588		22870	0.0229	------	----------
3.766		6257	0.0063	------	----------
3.982		30471	0.0305	------	----------
4.102		6226	0.0062	------	----------
4.179		19219	0.0192	------	----------
4.341		6486	0.0065	------	----------
4.469		82831	0.0828	------	----------
4.755		132747	0.1327	------	----------
8.719	DIESEL C10-C24	10109711	990.6627	1000.0	-0.93
13.283		8042	0.0080	------	----------
13.634		3638	0.0036	------	----------
14.219		2782	0.0028	------	----------
14.436		3114	0.0031	------	----------
14.548	BENZO-A-PYRENE	630056	50.0629	50.0	0.13
14.617		2444	0.0024	------	----------
14.984		3243	0.0032	------	----------
15.100		5113	0.0051	------	----------
15.234		2344	0.0023	------	----------
15.364		2457	0.0025	------	----------
15.805		1379	0.0014	------	----------
		11081882	1041.0678		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_016.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:40 AM
Sample Name : #TEPH00-175 DIESEL STD
Data File : C:\TC4\DATA_01\O19_011.RAW Date: 10/19/00 05:07 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 11 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\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 C10-C24	7.708	40.00000	334269.000000	8356.725000	7.32	5	------	------	1	0
BENZO-A-PYRENE	14.546	10.00000	125744.000000	12574.400000	0.05	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 C10-C24	0.000000	10204.998160	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	12585.278374	----------	----------	--------	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 : #TEPH00-175 DIESEL STD Time : 10/20/00 08:40 AM
Sample Number: 40 PPM Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 05:07 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

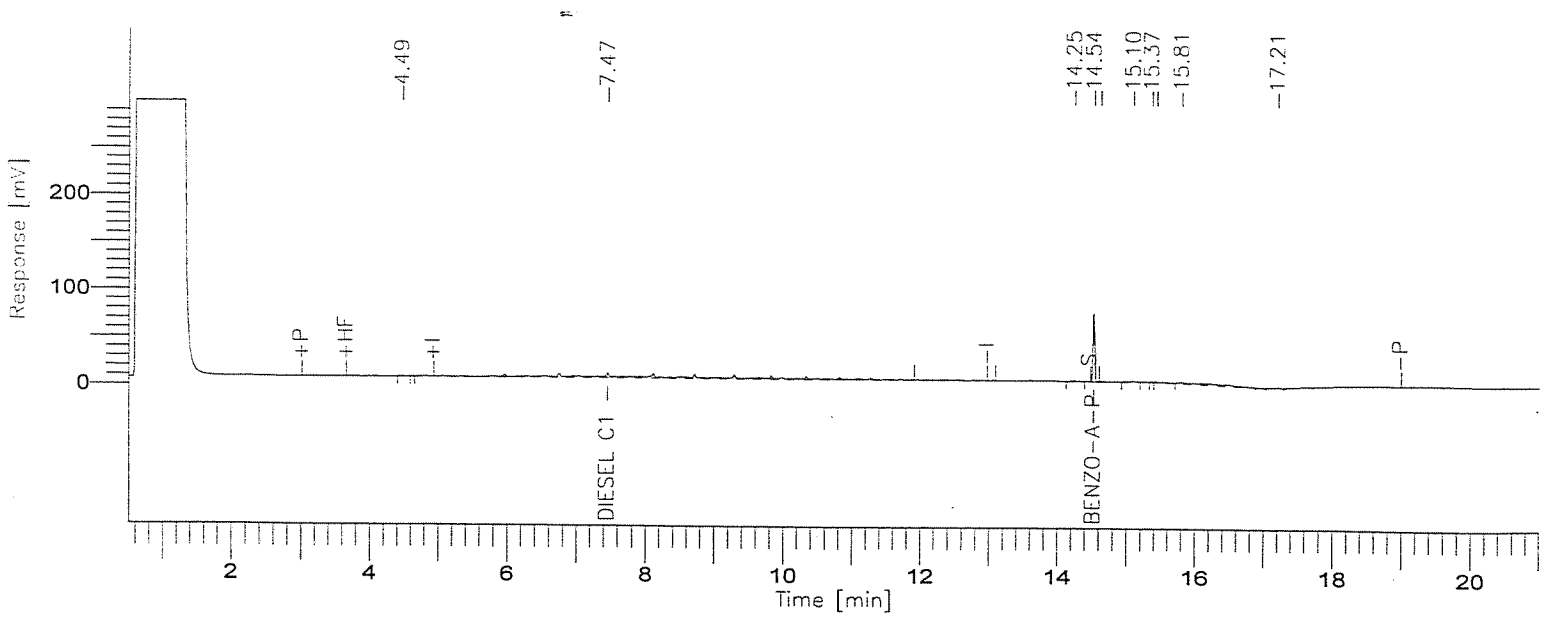
Raw Data File : C:\TC4\DATA_01\O19_011.RAW
Result File : C:\TC4\DATA_01\O19_011.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_011.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

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



001146

8015B(TEPH)

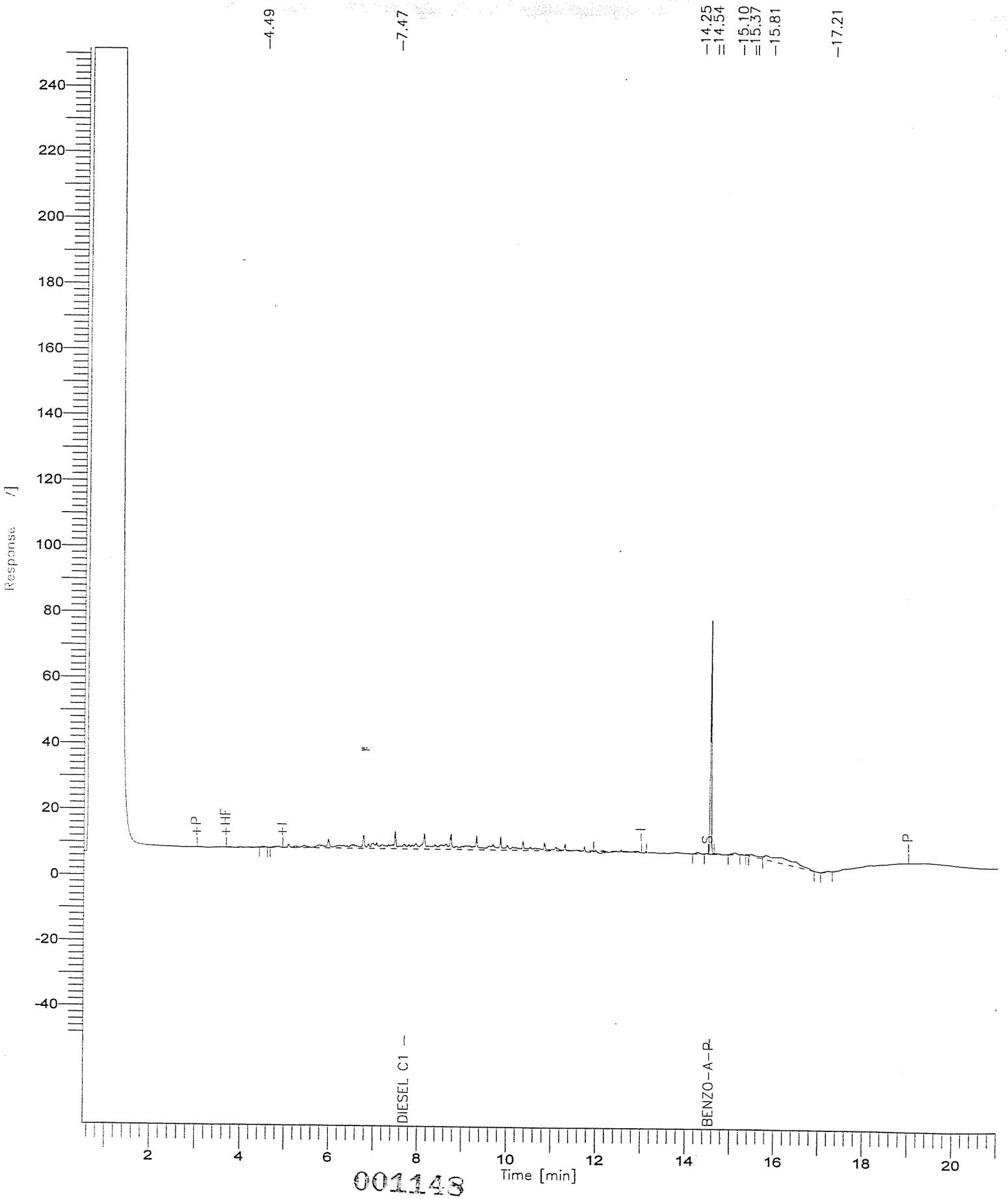
GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.47	DIESEL C10-C24	334269	32.755	------	10.0	
14.54	BENZO-A-PYRENE	125744	9.991	79.9	10.0	
		460013	42.747			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_011.TX0

[redacted]



001148

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-176 DIESEL STD
Data File : C:\TC4\DATA_01\O19_012.RAW Date: 10/19/00 05:38 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 12 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\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 C10-C24	7.818	100.00000	1063261.000000	10632.610000	5.16	5	------	------	1	0
BENZO-A-PYRENE	14.539	25.00000	331731.142857	13269.245714	0.02	2	------	------	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 C10-C24	0.000000	8441.233440	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11452.013912	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list
- 3 = Component not calibrated: No ISTD specified in method
- 4 = Component not calibrated: ISTD was not found in peak list
- 5 = Component not calibrated: Uses constant calibration factor
- 6 = Component not calibrated: Uses calibration reference
- 7 = Component not calibrated: No calibration at this level
- 8 = Component not calibrated: Incomplete named group
- 9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-176 DIESEL STD
Sample Number: 100 PPM
Operator :

Time : 10/20/00 08:31 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 05:38 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_012.RAW
Result File : C:\TC4\DATA_01\O19_012.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_012.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

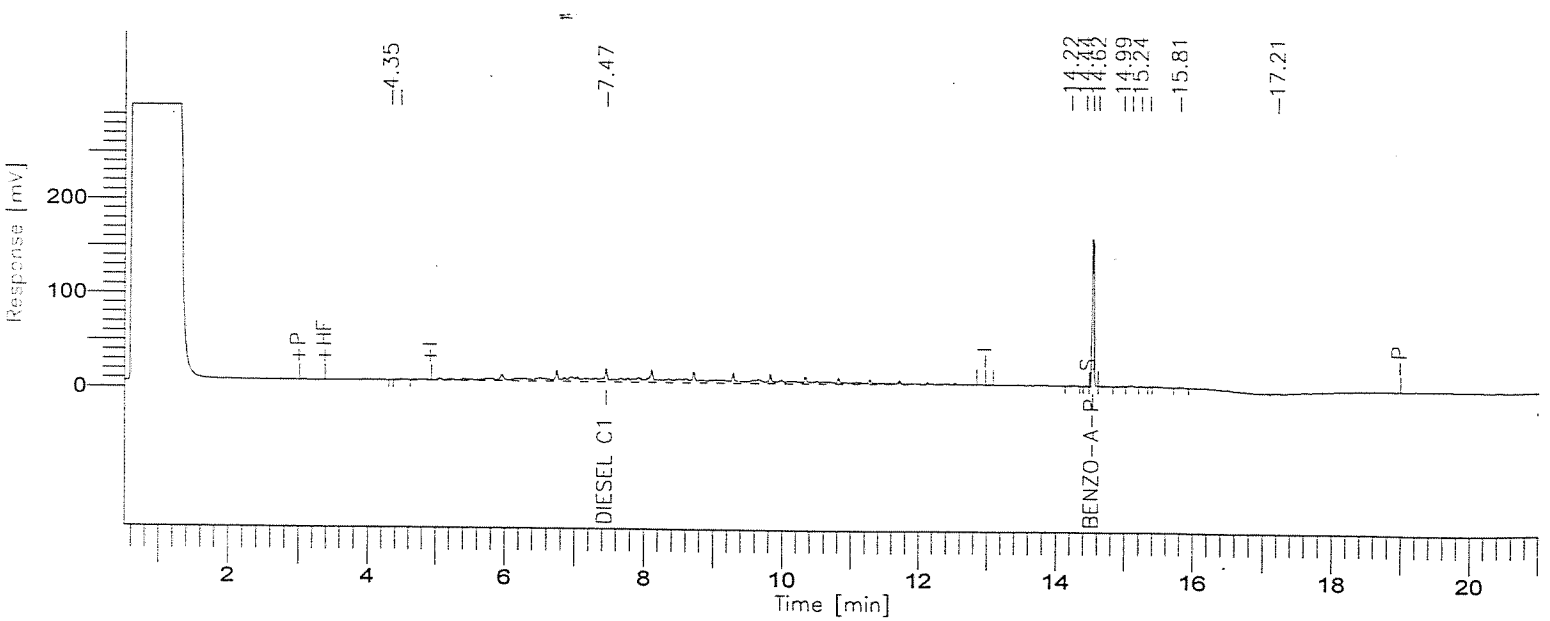
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 13



001150

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.47	DIESEL C10-C24	1063261	125.960	------	10.0	
14.54	BENZO-A-PYRENE	331731	28.967	231.7	10.0	
		1394992	154.927			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_012.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-178 DIESEL STD
Data File : C:\TC4\DATA_01\O19_013.RAW Date: 10/19/00 06:08 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 13 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\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 C10-C24	7.778	1000.00000	1.03757820e+07	10375.782000	5.57	5	------	------	1	0
BENZO-A-PYRENE	14.542	50.00000	601695.307692	12033.906154	0.04	3	------	------	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 C10-C24	0.000000	8928.283440	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11749.408374	----------	----------	--------	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 : #TEPH00-178 DIESEL STD
Sample Number: 1000 PPM
Operator :

Time : 10/20/00 08:31 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 06:08 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_013.RAW
Result File : C:\TC4\DATA_01\O19_013.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_013.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

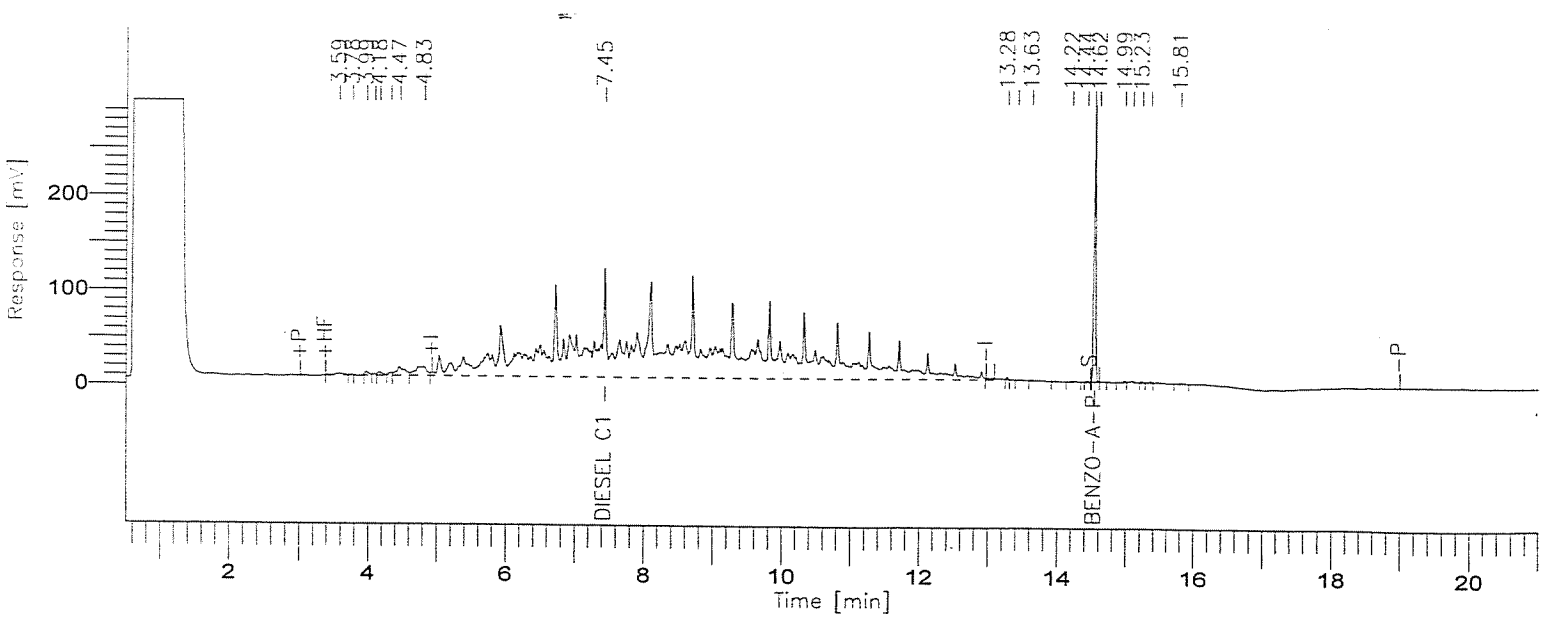
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

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
ser1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



001153

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.45	DIESEL C10-C24	10375782	1162.125	------	10.0	
14.55	BENZO-A-PYRENE	601695	51.211	409.7	10.0	
		10977477	1213.336			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_013.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-179 DIESEL STD
Data File : C:\TC4\DATA_01\O19_014.RAW Date: 10/19/00 06:38 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 14 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\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 C10-C24	7.868	2000.00000	2.16666480e+07	10833.324000	7.38	5	------	------	1	0
BENZO-A-PYRENE	14.544	80.00000	1004191.200000	12552.390000	0.04	4	------	------	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 C10-C24	0.000000	9433.973040	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	12155.506374	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list
- 3 = Component not calibrated: No ISTD specified in method
- 4 = Component not calibrated: ISTD was not found in peak list
- 5 = Component not calibrated: Uses constant calibration factor
- 6 = Component not calibrated: Uses calibration reference
- 7 = Component not calibrated: No calibration at this level
- 8 = Component not calibrated: Incomplete named group
- 9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-179 DIESEL STD
Sample Number: 2000 PPM
Operator :

Time : 10/20/00 08:31 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 06:38 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_014.RAW
Result File : C:\TC4\DATA_01\O19_014.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_014.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

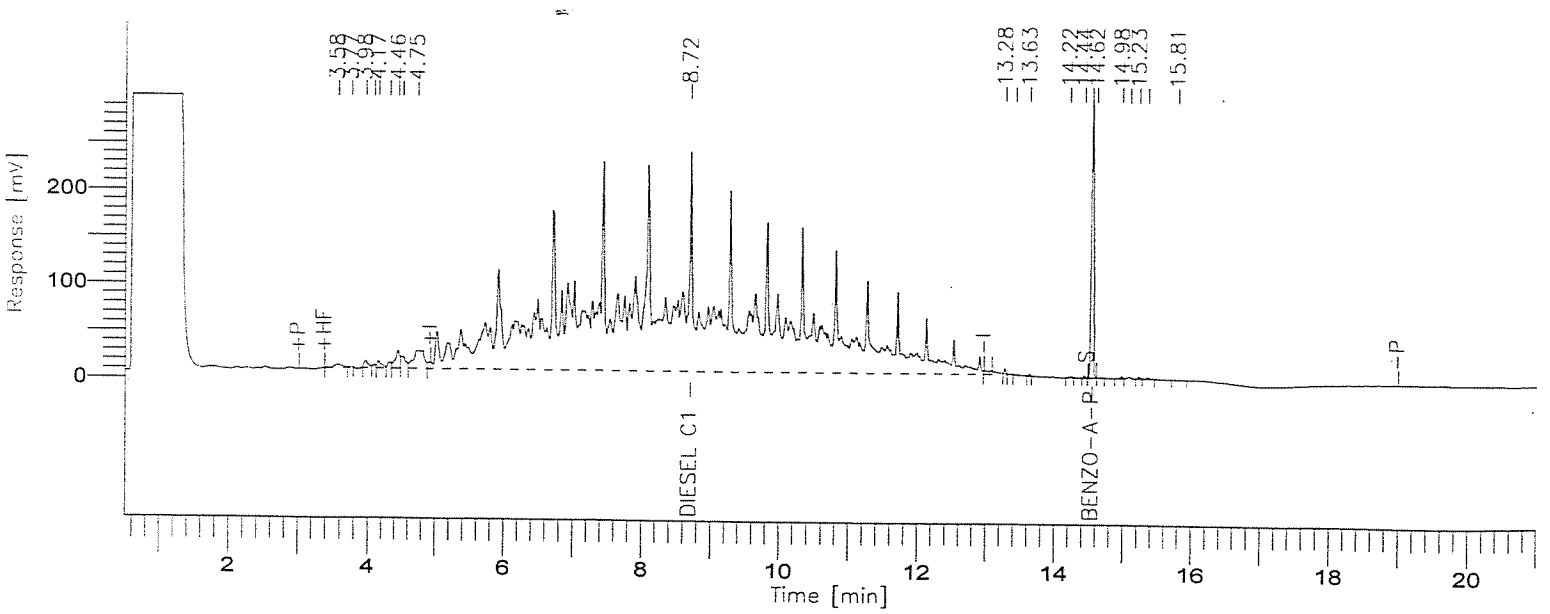
Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 22



001156

BOE-C6-0164348

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.72	DIESEL C10-C24	21666648	2296.662	------	10.0	
14.55	BENZO-A-PYRENE	1004191	82.612	660.9	10.0	
		22670839	2379.274			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_014.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-181 DIESEL STD
Data File : C:\TC4\DATA_01\019_015.RAW Date: 10/19/00 07:08 PM
Sequence File: C:\TC4\DATA_01\019.SEQ Cycle: 15 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\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 C10-C24	7.708	5000.00000	5.41327490e+07	10826.549800	7.32	5	------	------	1	0
BENZO-A-PYRENE	14.546	100.00000	1249645.000000	12496.450000	0.05	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 C10-C24	0.000000	10174.428160	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	12585.298374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-181 DIESEL STD
Sample Number: 5000 PPM
Operator :

Time : 10/20/00 08:31 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 07:08 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_015.RAW
Result File : C:\TC4\DATA_01\O19_015.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_015.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

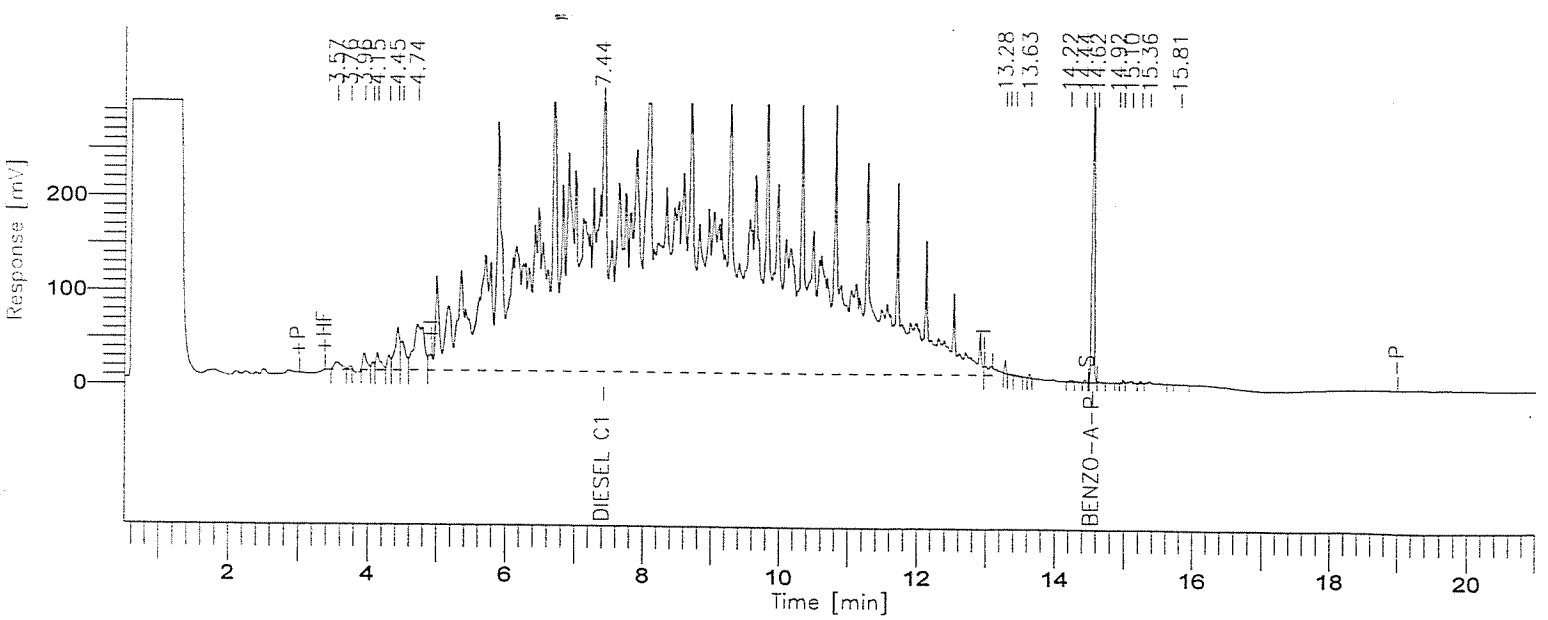
Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 24



001159

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.43	DIESEL C10-C24	54132749	5320.471	------	10.0	
14.55	BENZO-A-PYRENE	1249645	99.294	794.4	10.0	
		55382394	5419.765			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_015.TX0

Software Version: 4.1<2F12>
Sample Name : DAILY RT MAKER
Sample Number: C8-C40
Operator :

Time : 10/20/00 08:31 AM
Study : ICAL 8/28/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 04:37 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

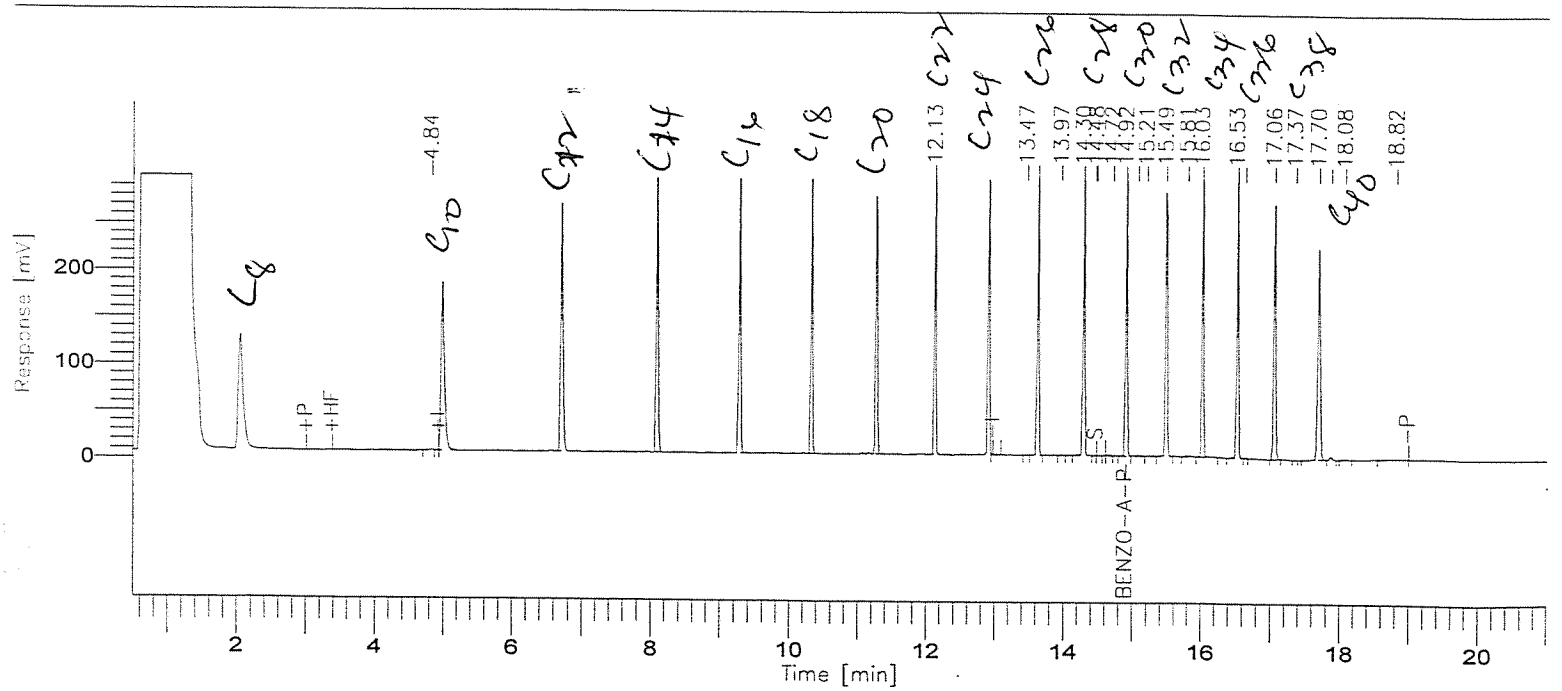
Raw Data File : C:\TC4\DATA_01\O19_010.RAW
Result File : C:\TC4\DATA_01\O19_010.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_010.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

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: 23



001161

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
7.98	DIESEL C10-C24	0	0.0000	------	1.0	
14.92	BENZO-A-PYRENE	580471	17.3429	6937.2	1.0	
		580471	17.3429			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_010.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\019.SEQ
Created by : doug on : 10/18/00 05:45 PM
Edited by : EC on : 10/20/00 08:29 AM
Description :

Number of Times Edited : 9

Sequence File Header Information:

Number of Rows : 159
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 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	#TEPH00-175 DIE	40 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-176 DIE	100 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	#TEPH00-179 DIE	2000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	#TEPH00-175 DIE	40 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH00-176 DIE	100 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	#TEPH00-179 DIE	2000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal:Replace	#TEPH00-181 DIE	5000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	272-MB	DM1DP1AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	272-LCS	DM1DP1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	272-01	DLW5C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	272-01 MS	DLW5C11US	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	271-01 MSD	DLW5C11VD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	272-03	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	272-04	DLW5N102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	272-08	DLW60102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	272-09	DLW62102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	272-10	DLW63102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	272-11	DLW65102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	272-12	DLW69102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	272-13	DLW6C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	272-14	DLW6D102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	272-15	DLW6E102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	272-16	DLW6F102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	272-17	DLW6G102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	272-18	DLW6J102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	272-19	DLW6L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	272-20	DLW6M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	272-21	DLW6P102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	326-02	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	326-02 MS	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	326-02 MSD	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	272-03	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	272-12	DLW69102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	272-19	DLW6L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	274-MB	DM1D01AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Sample	274-LCS	DM1D-1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	274-26	DLW7L101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	274-26 MS	DLW7L104S	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	274-26 MSD	DLW7L105D	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	274-27	DLW7P101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	274-28	DLW7Q101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Sample	274-29	DLW7T101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

INITIAL CALIBRATION DATA

Date Analyzed: 10-3-00

Instrument ID: GC1

C8 → C40T

001164

Turbochrom Method File : C:\TC4\DATA_01\METHODS\C8-C40A.MTH <Modified>
Created by : ELVIE on : 6/8/00 12:53 PM
Edited by : ec on : 10/4/00 10:00 AM
Description :

Number of Times Edited : 32
Number of Times Calibrated : 589

ICAL 10-3-00

ALL AVG CF

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 0.131
Event #2 - +P at 1.500
Event #3 - -P at 23.390

Annotated Replot Parameters :

No replot will be printed

Report Format files :

No report format files given

User Programs :

User Program #1 : C:\TC4\DATA_01\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 : 1.957 min End Time : 4.935 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	98942.00	20976.93	----------	----------	1
2	20.0000	181282.00	37531.86	----------	----------	1
3	30.0000	314824.00	65619.88	----------	----------	1
4	40.0000	420877.00	85133.87	----------	----------	1
5	50.0000	499248.00	102748.16	----------	----------	1

Average Calibration Factor = 9991.863667 (%RSD = 5.93)

C10-C11
Component Type : Timed Group
Start Time : 4.936 min End Time : 6.607 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	104746.00	34392.64	----------	----------	1
2	20.0000	191191.38	60962.83	----------	----------	1
3	30.0000	331740.00	100901.38	----------	----------	1
4	40.0000	443619.70	132979.35	----------	----------	1
5	50.0000	528720.50	149845.42	----------	----------	1

Average Calibration Factor = 10551.414346 (%RSD = 5.88)

C12-C13
Component Type : Timed Group
Start Time : 6.608 min End Time : 8.021 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	110266.00	49885.54	----------	----------	1
2	20.0000	193761.27	82016.59	----------	----------	1

3	30.0000	333534.97	151395.93	----------	----------	1
4	40.0000	448041.99	196026.43	----------	----------	1
5	50.0000	531098.96	212299.79	----------	----------	1

Average Calibration Factor = 10731.104958 (%RSD = 5.81)

C14-C15

Component Type : Timed Group
Start Time : 8.022 min End Time : 9.151 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	150365.50	56818.65	----------	----------	1
2	20.0000	218824.35	104560.13	----------	----------	1
3	30.0000	355440.23	181276.09	----------	----------	1
4	40.0000	462324.60	230294.14	----------	----------	1
5	50.0000	542272.36	257979.20	----------	----------	1

Average Calibration Factor = 12045.867437 (%RSD = 14.31)

C16-C17

Component Type : Timed Group
Start Time : 9.152 min End Time : 10.231 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	112854.50	64028.09	----------	----------	1
2	20.0000	190749.20	112897.43	----------	----------	1
3	30.0000	330558.30	189891.03	----------	----------	1
4	40.0000	459089.70	244401.96	----------	----------	1
5	50.0000	539937.28	279018.73	----------	----------	1

Average Calibration Factor = 10823.501644 (%RSD = 7.06)

C18-C19

Component Type : Timed Group
Start Time : 10.232 min End Time : 11.208 min
Reference Component:
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: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	151176.00	80086.96	----------	----------	1
2	20.0000	215221.80	120773.02	----------	----------	1
3	30.0000	352871.50	189396.26	----------	----------	1
4	40.0000	461316.00	235650.36	----------	----------	1
5	50.0000	543630.90	269400.10	----------	----------	1

Average Calibration Factor = 12009.318282 (%RSD = 14.90)

C20-C23

Component Type : Timed Group
Start Time : 11.209 min End Time : 12.826 min
Reference Component:
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: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	239776.61	124095.51	----------	----------	1
2	20.0000	389112.00	212507.34	----------	----------	1
3	30.0000	657391.50	364652.88	----------	----------	1
4	40.0000	887047.50	508553.47	----------	----------	1
5	50.0000	1052064.00	610875.15	----------	----------	1

Average Calibration Factor = 21712.755605 (%RSD = 7.61)

C24-C27

Component Type : Timed Group
Start Time : 12.827 min End Time : 14.240 min
Reference Component:
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: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	212010.89	119498.53	----------	----------	1
2	20.0000	369377.00	203971.43	----------	----------	1
3	30.0000	656313.50	351026.98	----------	----------	1
4	40.0000	889214.50	472726.38	----------	----------	1
5	50.0000	1058488.00	566065.73	----------	----------	1

Average Calibration Factor = 20989.435728 (%RSD = 7.05)

C28-C31

Component Type : Timed Group
Start Time : 14.241 min End Time : 15.397 min
Reference Component:

001188

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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	226569.00	115504.35	----------	----------	1
2	20.0000	379511.00	192383.60	----------	----------	1
3	30.0000	661454.00	338948.30	----------	----------	1
4	40.0000	894571.00	466021.08	----------	----------	1
5	50.0000	1064732.00	567732.02	----------	----------	1

Average Calibration Factor = 21467.966333 (%RSD = 6.91)

C32-C35
Component Type : Timed Group
Start Time : 15.398 min End Time : 16.398 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	227906.79	122057.86	----------	----------	1
2	20.0000	384509.87	224290.30	----------	----------	1
3	30.0000	663450.00	389173.28	----------	----------	1
4	40.0000	891252.50	529120.62	----------	----------	1
5	50.0000	1061257.50	636964.70	----------	----------	1

Average Calibration Factor = 21527.526898 (%RSD = 6.53)

C36-C39
Component Type : Timed Group
Start Time : 16.399 min End Time : 17.580 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	225067.21	101651.75	----------	----------	1
2	20.0000	393223.63	192977.38	----------	----------	1
3	30.0000	656936.00	326906.93	----------	----------	1
4	40.0000	879493.00	440446.22	----------	----------	1
5	50.0000	1051892.50	530395.23	----------	----------	1

Average Calibration Factor = 21418.188935 (%RSD = 5.20)

C40+

Component Type : Timed Group
Start Time : 17.581 min End Time : 21.000 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	103852.50	39580.28	----------	----------	1
2	20.0000	191119.00	74937.86	----------	----------	1
3	30.0000	320957.50	128162.59	----------	----------	1
4	40.0000	428857.00	172389.14	----------	----------	1
5	50.0000	513060.00	205176.18	----------	----------	1

Average Calibration Factor = 10324.481667 (%RSD = 4.58)

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-165 RT MARKER
Data File : C:\TC4\DATA_01\003_019.RAW Date: 10/3/00 09:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 19 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 1
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	10.00000	98942.000000	9894.200000	------	1	------	------	1	0
C10-C11	5.771	10.00000	104746.000000	10474.600000	------	1	------	------	1	0
C12-C13	7.314	10.00000	110266.000000	11026.600000	------	1	------	------	1	0
C14-C15	8.586	10.00000	150365.500000	15036.550000	------	1	------	------	1	0
C16-C17	9.691	10.00000	112854.500000	11285.450000	------	1	------	------	1	0
C18-C19	10.720	10.00000	151176.000000	15117.600000	------	1	------	------	1	0
C20-C23	12.018	10.00000	239776.605263	23977.660526	------	1	------	------	1	0
C24-C27	13.534	10.00000	212010.894737	21201.089474	------	1	------	------	1	0
C28-C31	14.819	10.00000	226569.000000	22656.900000	------	1	------	------	1	0
C32-C35	15.898	10.00000	227906.785714	22790.678571	------	1	------	------	1	0
C36-C39	16.989	10.00000	225067.214286	22506.721429	------	1	------	------	1	0
C40+	19.290	10.00000	103852.500000	10385.250000	------	1	------	------	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	29951.450620	----------	----------	--------	9
C32-C35	0.000000	13044.042611	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	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 : 10/4/00 09:57 AM
Sample Number: 10 PPM Study : ICAL10/03/00
O rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

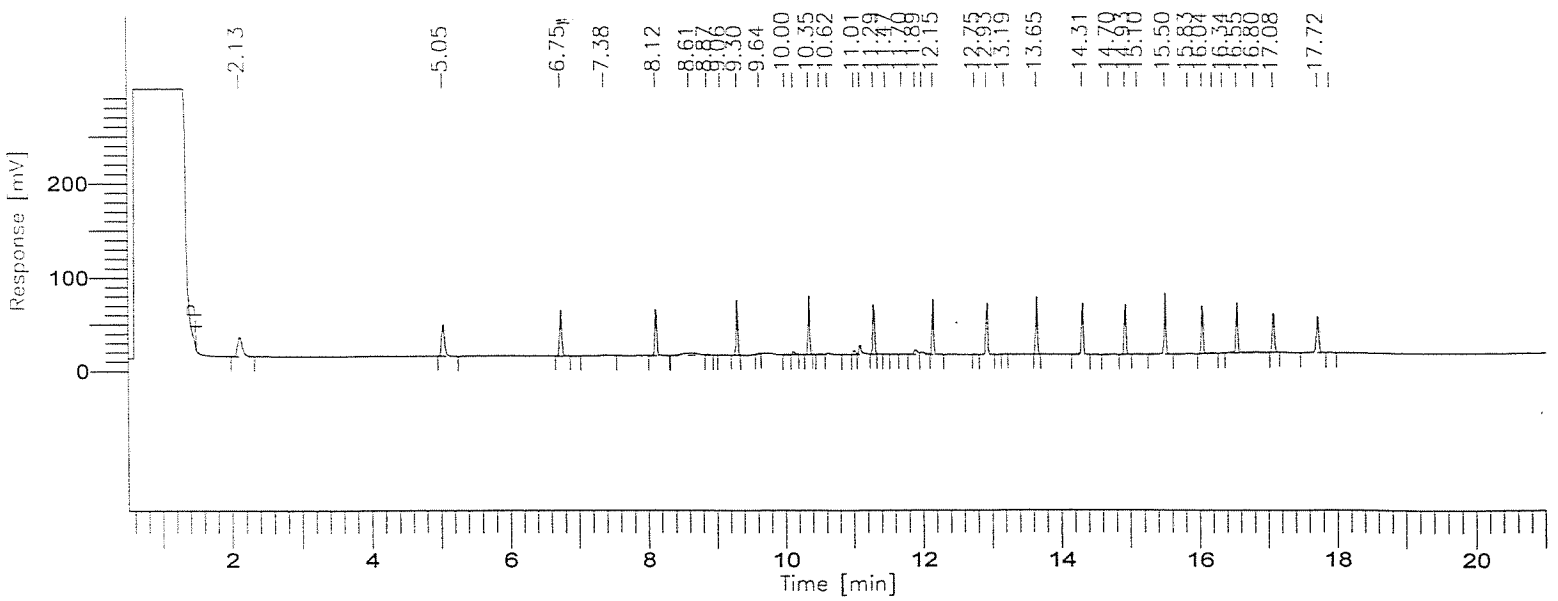
Raw Data File : C:\TC4\DATA_01\003_019.RAW
Result File : C:\TC4\DATA_01\003_019.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\003_019.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\003.SEQ

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
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 41



001173

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	98942	9.902	------	10.0	
5.77	C10-C11	104746	9.927	------	10.0	
7.31	C12-C13	110266	10.275	------	10.0	
8.59	C14-C15	150365	12.437	------	10.0	
9.69	C16-C17	112854	10.470	------	10.0	
10.72	C18-C19	151176	12.588	------	10.0	
12.02	C20-C23	239777	11.043	------	10.0	
13.53	C24-C27	212011	10.101	------	10.0	
14.82	C28-C31	226569	7.565	------	10.0	
15.90	C32-C35	227907	17.472	------	10.0	
16.99	C36-C39	225067	10.508	------	10.0	
19.29	C40+	103853	10.059	------	10.0	
		1963533	132.348			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.12		98942	0.099	------	10.0	
		98942	0.099			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.05		104746	0.105	------	10.0	
		104746	0.105			

roup Report For : C12-C13

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

6.75		104602	0.105	------	10.0
7.38		5664	0.006	------	10.0
		110266	0.110		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		105551	0.106	------	10.0	
8.61		39568	0.040	------	10.0	
8.87		3185	0.003	------	10.0	
9.06		2062	0.002	------	10.0	
		150365	0.150			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.30		102360	0.102	------	10.0	
9.64		1442	0.001	------	10.0	
10.00		1275	0.001	------	10.0	
10.12		7777	0.008	------	10.0	
		112854	0.113			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		102807	0.103	------	10.0	
10.50		2274	0.002	------	10.0	
10.62		6043	0.006	------	10.0	
11.01		11029	0.011	------	10.0	
11.09		29023	0.029	------	10.0	
		151176	0.151			

roup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		103326	0.103	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1. 47		887	0.001	------	10.0	
11.70		527	0.001	------	10.0	
11.89		18802	0.019	------	10.0	
11.99		10069	0.010	------	10.0	
12.15		105705	0.106	------	10.0	
12.75		461	0.000	------	10.0	
		239777	0.240			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		105200	0.105	------	10.0	
13.18		1114	0.001	------	10.0	
13.65		105697	0.106	------	10.0	
		212011	0.212			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		110966	0.111	------	10.0	
14.70		4854	0.005	------	10.0	
14.93		106548	0.107	------	10.0	
15.10		4201	0.004	------	10.0	
		226569	0.227			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		111715	0.112	------	10.0	
15.83		5262	0.005	------	10.0	
16.04		102405	0.102	------	10.0	
16.19		6715	0.007	------	10.0	
16.34		1809	0.002	------	10.0	
		227907	0.228			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		110363	0.110	------	10.0	
16.80		16677	0.017	------	10.0	
17.07		98027	0.098	------	10.0	
		225067	0.225			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		101619	0.102	------	10.0	
17.89		2234	0.002	------	10.0	
		103853	0.104			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_019.TXO

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-166 RT MARKER
Data File : C:\TC4\DATA_01\003_020.RAW Date: 10/3/00 09:36 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 20 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\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	3.446	20.00000	181282.000000	9064.100000	0.00	2	------	------	1	0
C10-C11	5.771	20.00000	191191.384615	9559.569231	0.00	2	------	------	1	0
C12-C13	7.314	20.00000	193761.267559	9688.063378	0.00	2	------	------	1	0
C14-C15	8.586	20.00000	218824.347826	10941.217391	0.00	2	------	------	1	0
C16-C17	9.691	20.00000	190749.200000	9537.460000	0.00	2	------	------	1	0
C18-C19	10.720	20.00000	215221.800000	10761.090000	0.00	2	------	------	1	0
C20-C23	12.018	20.00000	389112.000000	19455.600000	0.00	2	------	------	1	0
-C27	13.534	20.00000	369377.000000	18468.850000	0.00	2	------	------	1	0
-C31	14.819	20.00000	379511.000000	18975.550000	0.00	2	------	------	1	0
C32-C35	15.898	20.00000	384509.868421	19225.493421	0.00	2	------	------	1	0
C36-C39	16.989	20.00000	393223.631579	19661.181579	0.00	2	------	------	1	0
C40+	19.290	20.00000	191119.000000	9555.950000	0.00	2	------	------	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	28051.585620	----------	----------	--------	9
C32-C35	0.000000	14943.907611	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	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
Sample Number: 20 PPM
O· :ator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_020.RAW
Result File : C:\TC4\DATA_01\O03_020.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_020.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

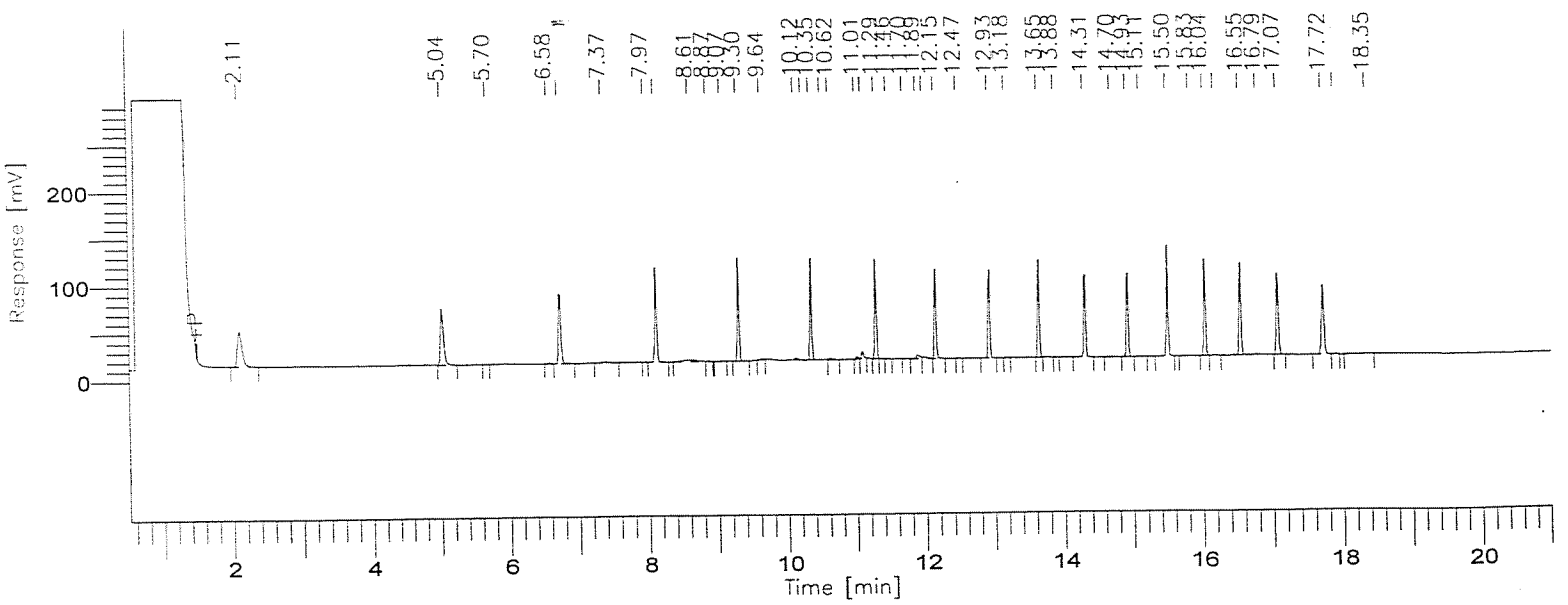
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
ltiplier : 1.0000
Divisor : 1.0000
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 45



001180

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	181282	18.143	------	10.0	
5.77	C10-C11	191191	18.120	------	10.0	
7.31	C12-C13	193761	18.056	------	10.0	
8.59	C14-C15	218824	18.099	------	10.0	
9.69	C16-C17	190749	17.696	------	10.0	
10.72	C18-C19	215222	17.921	------	10.0	
12.02	C20-C23	389112	17.921	------	10.0	
13.53	C24-C27	369377	17.599	------	10.0	
14.82	C28-C31	379511	13.529	------	10.0	
15.90	C32-C35	384510	25.730	------	10.0	
16.99	C36-C39	393224	18.359	------	10.0	
19.29	C40+	191119	18.511	------	10.0	
		3297882	219.685			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.11		181282	0.181	------	10.0	
		181282	0.181			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.04		189332	0.189	------	10.0	
5.70		203	0.000	------	10.0	
6.58		1656	0.002	------	10.0	
		191191	0.191			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
6.74		187743	0.188	------	10.0
[illegible].37		4956	0.005	------	10.0
7.97		1063	0.001	------	10.0
		193761	0.194		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		185237	0.185	------	10.0	
8.61		30042	0.030	------	10.0	
8.87		2322	0.002	------	10.0	
9.07		1223	0.001	------	10.0	
		218824	0.219			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		181367	0.181	------	10.0	
9.64		2049	0.002	------	10.0	
10.12		6429	0.006	------	10.0	
10.23		904	0.001	------	10.0	
		190749	0.191			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		181663	0.182	------	10.0	
10.51		4127	0.004	------	10.0	
10.62		4432	0.004	------	10.0	
11.01		7349	0.007	------	10.0	
11.09		17651	0.018	------	10.0	
		215222	0.215			

Group Report For : C20-C23

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
1[illegible] 29		181508	0.182	------	10.0
1[illegible].46		560	0.001	------	10.0
11.70		563	0.001	------	10.0
11.89		14696	0.015	------	10.0
11.98		8022	0.008	------	10.0
12.15		183309	0.183	------	10.0
12.47		454	0.000	------	10.0
		389112	0.389		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		183241	0.183	------	10.0	
13.17		829	0.001	------	10.0	
13.65		184925	0.185	------	10.0	
13.88		382	0.000	------	10.0	
		369377	0.369			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		188779	0.189	------	10.0	
14.70		3774	0.004	------	10.0	
14.93		184718	0.185	------	10.0	
15.11		2240	0.002	------	10.0	
		379511	0.380			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		189986	0.190	------	10.0	
15.83		3581	0.004	------	10.0	
6.04		186422	0.186	------	10.0	
16.19		4521	0.005	------	10.0	
		384510	0.385			

Group Report For : C36-C39

T e [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		194622	0.195	------	10.0	
16.79		8207	0.008	------	10.0	
17.07		190395	0.190	------	10.0	
		393224	0.393			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		183916	0.184	------	10.0	
17.89		2692	0.003	------	10.0	
18.35		4511	0.005	------	10.0	
		191119	0.191			

ssing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_020.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00 167 RT MARKER
Data File : C:\TC4\DATA_01\003_021.RAW Date: 10/3/00 10:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 21 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\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	3.446	30.00000	314824.000000	10494.133333	0.00	3	------	------	1	0
C10-C11	5.771	30.00000	331740.000000	11058.000000	0.00	3	------	------	1	0
C12-C13	7.314	30.00000	333534.972222	11117.832407	0.00	3	------	------	1	0
C14-C15	8.586	30.00000	355440.229270	11848.007642	0.00	3	------	------	1	0
C16-C17	9.691	30.00000	330558.298507	11018.609950	0.00	3	------	------	1	0
C18-C19	10.720	30.00000	352871.500000	11762.383333	0.00	3	------	------	1	0
C20-C23	12.018	30.00000	657391.500000	21913.050000	0.00	3	------	------	1	0
-C27	13.533	30.00000	656313.500000	21877.116667	0.00	3	------	------	1	0
-C31	14.819	30.00000	661454.000000	22048.466667	0.00	3	------	------	1	0
C32-C35	15.898	30.00000	663450.000000	22115.000000	0.00	3	------	------	1	0
C36-C39	16.989	30.00000	656936.000000	21897.866667	0.00	3	------	------	1	0
C40+	19.290	30.00000	320957.500000	10698.583333	0.00	3	------	------	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12075.197309	----------	----------	--------	9
C16-C17	0.000000	10794.171772	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	25839.788143	----------	----------	--------	9
C32-C35	0.000000	17155.705089	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	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 : 10/4/00 09:58 AM
Sample Number: 30 PPM Study : ICAL10/03/00
O· :ator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

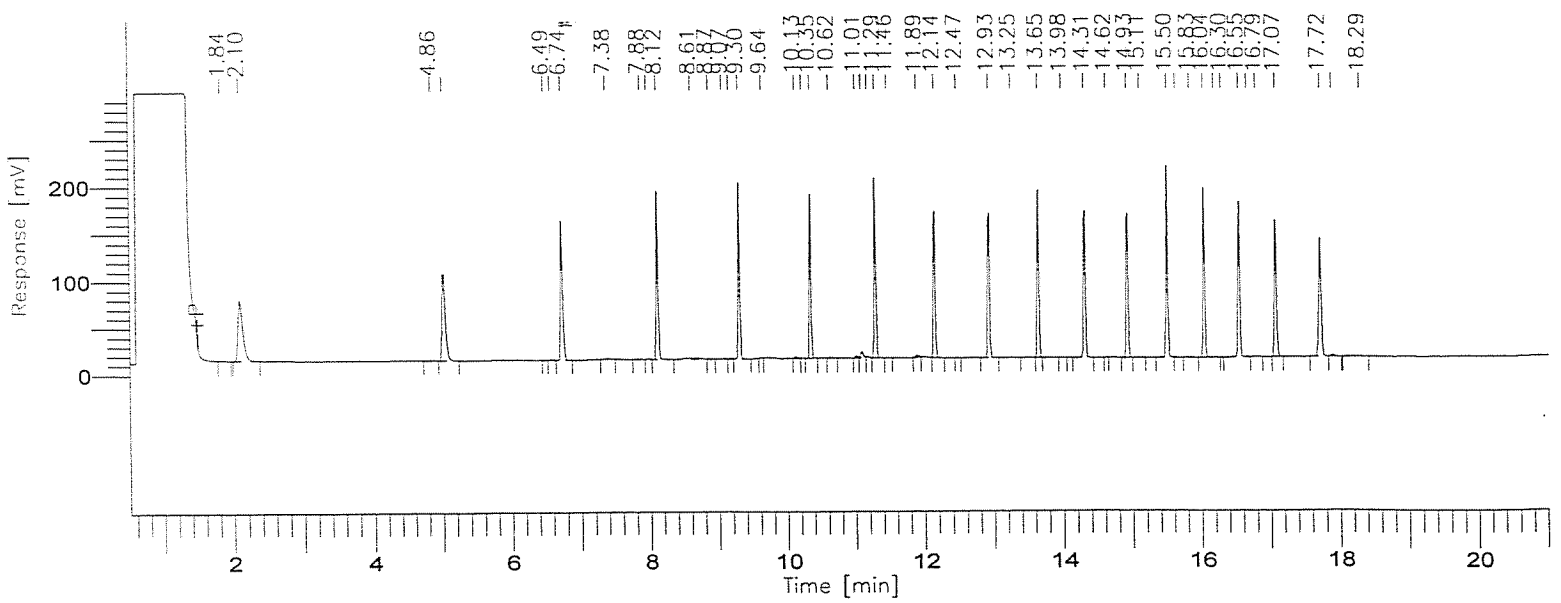
Raw Data File : C:\TC4\DATA_01\O03_021.RAW
Result File : C:\TC4\DATA_01\O03_021.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_021.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 50



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8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	314824	31.508	------	10.0	
5.77	C10-C11	331740	31.440	------	10.0	
7.31	C12-C13	333535	31.081	------	10.0	
8.59	C14-C15	355440	29.436	------	10.0	
9.69	C16-C17	330558	30.624	------	10.0	
10.72	C18-C19	352872	29.383	------	10.0	
12.02	C20-C23	657392	30.277	------	10.0	
13.53	C24-C27	656314	31.270	------	10.0	
14.82	C28-C31	661454	25.598	------	10.0	
15.90	C32-C35	663450	38.672	------	10.0	
16.99	C36-C39	656936	30.672	------	10.0	
19.29	C40+	320958	31.087	------	10.0	
		5635472	371.048			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		313084	0.313	------	10.0	
4.86		1739	0.002	------	10.0	
		314824	0.315			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		329192	0.329	------	10.0	
6.49		482	0.000	------	10.0	
6.59		2066	0.002	------	10.0	
		331740	0.332			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.74		325176	0.325	------	10.0	
7.38		3985	0.004	------	10.0	
7.88		1679	0.002	------	10.0	
7.98		2695	0.003	------	10.0	
		333535	0.334			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		324219	0.324	------	10.0	
8.61		25299	0.025	------	10.0	
8.87		2631	0.003	------	10.0	
9.07		3291	0.003	------	10.0	
		355440	0.355			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2279	0.002	------	10.0	
9.30		321720	0.322	------	10.0	
9.64		764	0.001	------	10.0	
10.12		4887	0.005	------	10.0	
10.23		908	0.001	------	10.0	
		330558	0.331			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		320989	0.321	------	10.0	
10.62		2448	0.002	------	10.0	
11.01		6906	0.007	------	10.0	
1.09		18434	0.018	------	10.0	
11.18		4094	0.004	------	10.0	
		352872	0.353			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		325676	0.326	------	10.0	
11.46		794	0.001	------	10.0	
11.89		7650	0.008	------	10.0	
12.14		322896	0.323	------	10.0	
12.47		376	0.000	------	10.0	
		657392	0.657			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		324592	0.325	------	10.0	
13.25		2602	0.003	------	10.0	
13.65		328711	0.329	------	10.0	
13.98		408	0.000	------	10.0	
		656314	0.656			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		331806	0.332	------	10.0	
14.62		489	0.000	------	10.0	
14.93		327474	0.327	------	10.0	
15.11		1685	0.002	------	10.0	
		661454	0.661			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		331770	0.332	------	10.0	
15.63		1261	0.001	------	10.0	
15.83		3038	0.003	------	10.0	
16.04		323007	0.323	------	10.0	
16.19		4087	0.004	------	10.0	
16.30		288	0.000	------	10.0	

663450 0.663

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		326978	0.327	------	10.0	
16.66		3004	0.003	------	10.0	
16.79		3928	0.004	------	10.0	
17.07		323026	0.323	------	10.0	
		656936	0.657			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		312418	0.312	------	10.0	
17.89		5701	0.006	------	10.0	
18.29		2838	0.003	------	10.0	
		320958	0.321			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_021.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-168 RT MARKER
Data File : C:\TC4\DATA_01\003_022.RAW Date: 10/3/00 10:36 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 22 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\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	3.446	40.00000	420877.000000	10521.925000	0.00	4	------	------	1	0
C10-C11	5.771	40.00000	443619.700000	11090.492500	0.00	4	------	------	1	0
C12-C13	7.314	40.00000	448041.994444	11201.049861	0.00	4	------	------	1	0
C14-C15	8.586	40.00000	462324.601010	11558.115025	0.00	4	------	------	1	0
C16-C17	9.691	40.00000	459089.704545	11477.242614	0.00	4	------	------	1	0
C18-C19	10.720	40.00000	461316.000000	11532.900000	0.00	4	------	------	1	0
C20-C23	12.018	40.00000	887047.500000	22176.187500	0.00	4	------	------	1	0
-C27	13.534	40.00000	889214.500000	22230.362500	0.00	4	------	------	1	0
-C31	14.819	40.00000	894571.000000	22364.275000	0.00	4	------	------	1	0
C32-C35	15.898	40.00000	891252.500000	22281.312500	0.00	4	------	------	1	0
C36-C39	16.989	40.00000	879493.000000	21987.325000	0.00	4	------	------	1	0
C40+	19.290	40.00000	428857.000000	10721.425000	0.00	4	------	------	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12059.643407	----------	----------	--------	9
C16-C17	0.000000	10809.725674	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.735728	----------	----------	--------	9
C28-C31	0.000000	23599.853857	----------	----------	--------	9
C32-C35	0.000000	19395.639375	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	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
Sample Number: 40 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_022.RAW
Result File : C:\TC4\DATA_01\O03_022.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_022.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

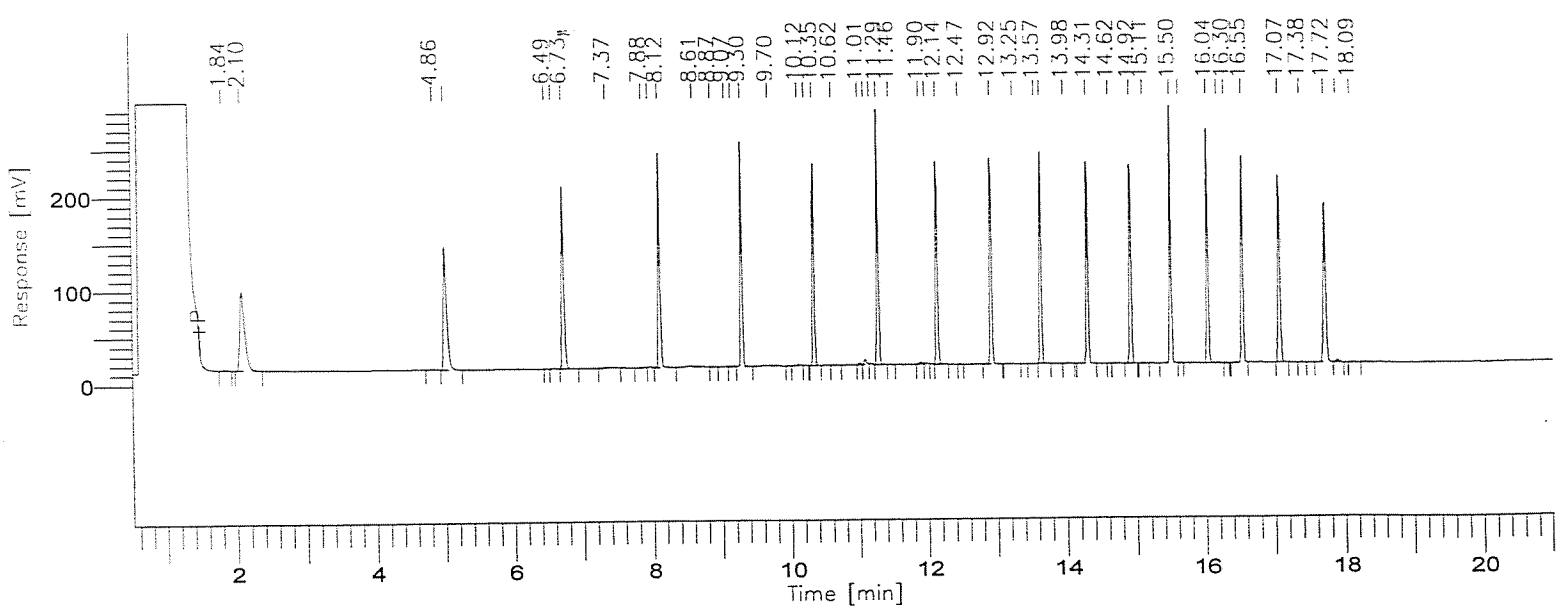
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 50



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8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	420877	42.122	------	10.0	
5.77	C10-C11	443620	42.044	------	10.0	
7.31	C12-C13	448042	41.752	------	10.0	
8.59	C14-C15	462325	38.337	------	10.0	
9.69	C16-C17	459090	42.470	------	10.0	
10.72	C18-C19	461316	38.413	------	10.0	
12.02	C20-C23	887048	40.854	------	10.0	
13.53	C24-C27	889214	42.366	------	10.0	
14.82	C28-C31	894571	37.906	------	10.0	
15.90	C32-C35	891252	45.951	------	10.0	
16.99	C36-C39	879493	41.063	------	10.0	
19.29	C40+	428857	41.538	------	10.0	
		7565704	494.815			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		418860	0.419	------	10.0	
4.86		2017	0.002	------	10.0	
		420877	0.421			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		440068	0.440	------	10.0	
6.49		707	0.001	------	10.0	
6.58		2844	0.003	------	10.0	
		443620	0.444			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.73		437357	0.437	------	10.0	
7.36		5762	0.006	------	10.0	
7.88		1587	0.002	------	10.0	
7.98		3337	0.003	------	10.0	
		448042	0.448			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		437078	0.437	------	10.0	
8.61		21126	0.021	------	10.0	
8.87		1874	0.002	------	10.0	
9.07		2247	0.002	------	10.0	
		462325	0.462			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3111	0.003	------	10.0	
9.30		435391	0.435	------	10.0	
9.70		15080	0.015	------	10.0	
10.12		4100	0.004	------	10.0	
10.23		1407	0.001	------	10.0	
		459090	0.459			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		435502	0.436	------	10.0	
10.62		2113	0.002	------	10.0	
11.01		5452	0.005	------	10.0	
1.09		14885	0.015	------	10.0	
11.18		3364	0.003	------	10.0	
		461316	0.461			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		438426	0.438	------	10.0	
11.46		468	0.000	------	10.0	
11.89		8168	0.008	------	10.0	
11.98		1970	0.002	------	10.0	
12.14		437617	0.438	------	10.0	
12.47		398	0.000	------	10.0	
		887048	0.887			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		439448	0.439	------	10.0	
13.25		1986	0.002	------	10.0	
13.57		566	0.001	------	10.0	
13.64		446632	0.447	------	10.0	
[illegible].98		583	0.001	------	10.0	
		889214	0.889			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		448145	0.448	------	10.0	
14.62		795	0.001	------	10.0	
14.92		444362	0.444	------	10.0	
15.11		1268	0.001	------	10.0	
		894571	0.895			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		447987	0.448	------	10.0	
15.63		974	0.001	------	10.0	
16.04		438327	0.438	------	10.0	
16.19		3504	0.004	------	10.0	
16.30		460	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		891252	0.891			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		439556	0.440	------	10.0	
17.07		439353	0.439	------	10.0	
17.38		584	0.001	------	10.0	
		879493	0.879			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].72		421515	0.422	------	10.0	
[illegible].89		6803	0.007	------	10.0	
18.09		538	0.001	------	10.0	
		428857	0.429			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_022.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-169 RT MARKER
Data File : C:\TC4\DATA_01\003_023.RAW Date: 10/3/00 11:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 23 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\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	3.446	50.00000	499248.000000	9984.960000	0.00	5	------	------	1	0
C10-C11	5.771	50.00000	528720.500000	10574.410000	0.00	5	------	------	1	0
C12-C13	7.314	50.00000	531098.957143	10621.979143	0.00	5	------	------	1	0
C14-C15	8.586	50.00000	542272.356290	10845.447126	0.00	5	------	------	1	0
C16-C17	9.691	50.00000	539937.282721	10798.745654	0.00	5	------	------	1	0
C18-C19	10.720	50.00000	543630.903846	10872.618077	0.00	5	------	------	1	0
C20-C23	12.018	50.00000	1052064.000000	21041.280000	0.00	5	------	------	1	0
C24-C27	13.534	50.00000	1058488.000000	21169.760000	0.00	5	------	------	1	0
C28-C31	14.819	50.00000	1064732.000000	21294.640000	0.00	5	------	------	1	0
C32-C35	15.898	50.00000	1061257.500000	21225.150000	0.00	5	------	------	1	0
C36-C39	16.989	50.00000	1051892.500000	21037.850000	0.00	5	------	------	1	0
C40+	19.290	50.00000	513060.000000	10261.200000	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12045.867437	----------	----------	--------	9
C16-C17	0.000000	10823.501644	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20989.435728	----------	----------	--------	9
C28-C31	0.000000	21467.966333	----------	----------	--------	9
C32-C35	0.000000	21527.526898	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	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
Sample Number: 50 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 11:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_023.RAW
Result File : C:\TC4\DATA_01\O03_023.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_023.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

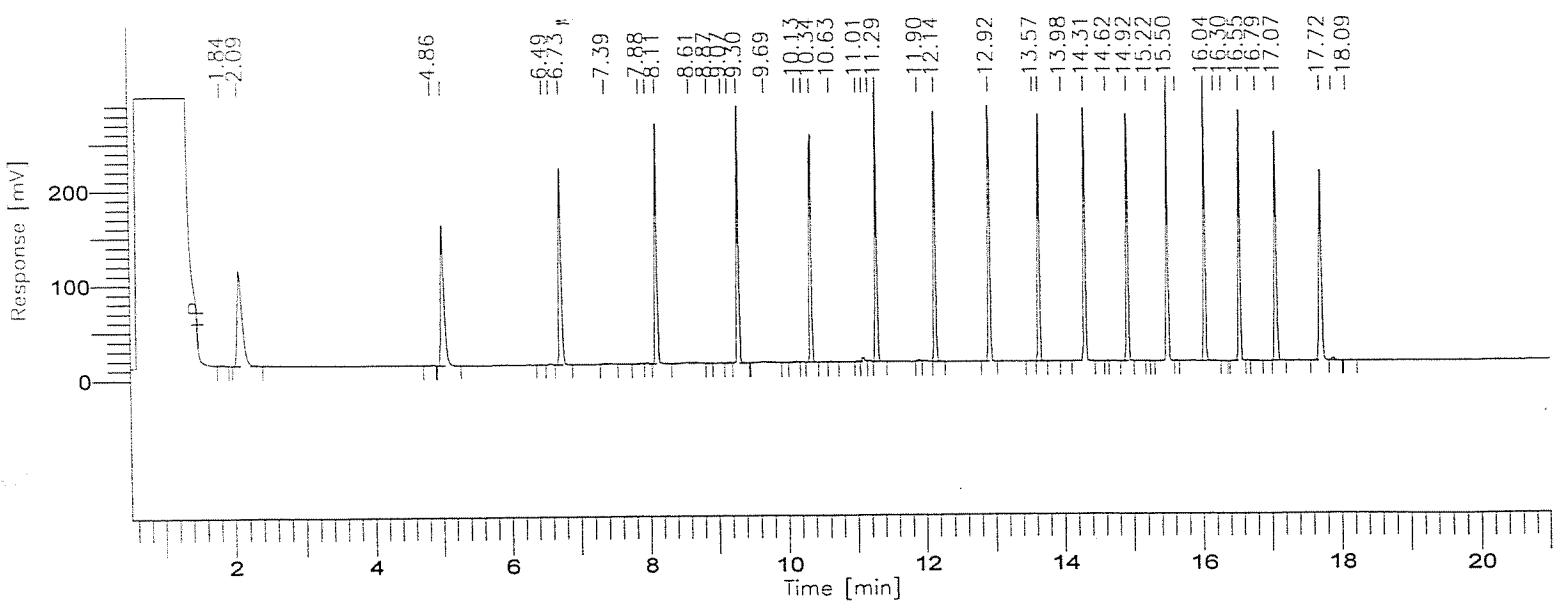
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 46



001201

BOE-C6-0164393

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	499248	49.965	------	10.0	
5.77	C10-C11	528720	50.109	------	10.0	
7.31	C12-C13	531099	49.492	------	10.0	
8.59	C14-C15	542272	45.017	------	10.0	
9.69	C16-C17	539937	49.886	------	10.0	
10.72	C18-C19	543631	45.267	------	10.0	
12.02	C20-C23	1052064	48.454	------	10.0	
13.53	C24-C27	1058488	50.430	------	10.0	
14.82	C28-C31	1064732	49.596	------	10.0	
15.90	C32-C35	1061258	49.298	------	10.0	
16.99	C36-C39	1051892	49.112	------	10.0	
19.29	C40+	513060	49.694	------	10.0	
		8986402	586.319			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.09		496715	0.497	------	10.0	
4.86		2533	0.003	------	10.0	
		499248	0.499			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.01		524854	0.525	------	10.0	
6.49		729	0.001	------	10.0	
6.58		3137	0.003	------	10.0	
		528720	0.529			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
73		520601	0.521	------	10.0	
7.39		4534	0.005	------	10.0	
7.88		1982	0.002	------	10.0	
7.98		3982	0.004	------	10.0	
		531099	0.531			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		519686	0.520	------	10.0	
8.61		18294	0.018	------	10.0	
8.87		1686	0.002	------	10.0	
9.07		2607	0.003	------	10.0	
		542272	0.542			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3444	0.003	------	10.0	
9.30		518036	0.518	------	10.0	
9.69		13324	0.013	------	10.0	
10.13		3479	0.003	------	10.0	
10.23		1654	0.002	------	10.0	
		539937	0.540			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		519209	0.519	------	10.0	
10.62		1826	0.002	------	10.0	
11.01		4763	0.005	------	10.0	
11.09		13471	0.013	------	10.0	
11.18		4362	0.004	------	10.0	
		543631	0.544			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		523896	0.524	------	10.0	
11.90		5156	0.005	------	10.0	
12.14		523012	0.523	------	10.0	
		1052064	1.052			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		524343	0.524	------	10.0	
13.57		526	0.001	------	10.0	
13.64		533030	0.533	------	10.0	
13.98		589	0.001	------	10.0	
		1058488	1.058			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		533853	0.534	------	10.0	
14.62		815	0.001	------	10.0	
14.92		529515	0.530	------	10.0	
15.22		549	0.001	------	10.0	
		1064732	1.065			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		532972	0.533	------	10.0	
15.63		1162	0.001	------	10.0	
16.04		522881	0.523	------	10.0	
16.18		3624	0.004	------	10.0	
16.29		619	0.001	------	10.0	
		1061258	1.061			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		524789	0.525	------	10.0	
16.79		1898	0.002	------	10.0	
17.07		525206	0.525	------	10.0	
		1051892	1.052			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.71		504088	0.504	------	10.0	
17.89		8232	0.008	------	10.0	
18.09		740	0.001	------	10.0	
		513060	0.513			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_023.TX0

10-4-00

ICAL 10-3-00

FILES 19-24

C8 1.957 - 4.935

C10 4.936 - 6.607

C12 6.608 - 8.021

C14 8.022 - 9.151

C16 9.152 - 10.231

C18 10.232 - 11.208

C20 11.209 - 12.826

C24 12.827 - 14.240

C28 14.241 - 15.397

C32 15.398 - 16.398

C36 16.399 - 17.580

C40 17.581 - 31.0

BOE-C6-0164398

Software Version: 4.1<2F12>
Sample Name : DAILY RT MARKER Time : 10/4/00 10:12 AM
Sample Number: C8-C40 Study : ICAL10/03/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 08:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

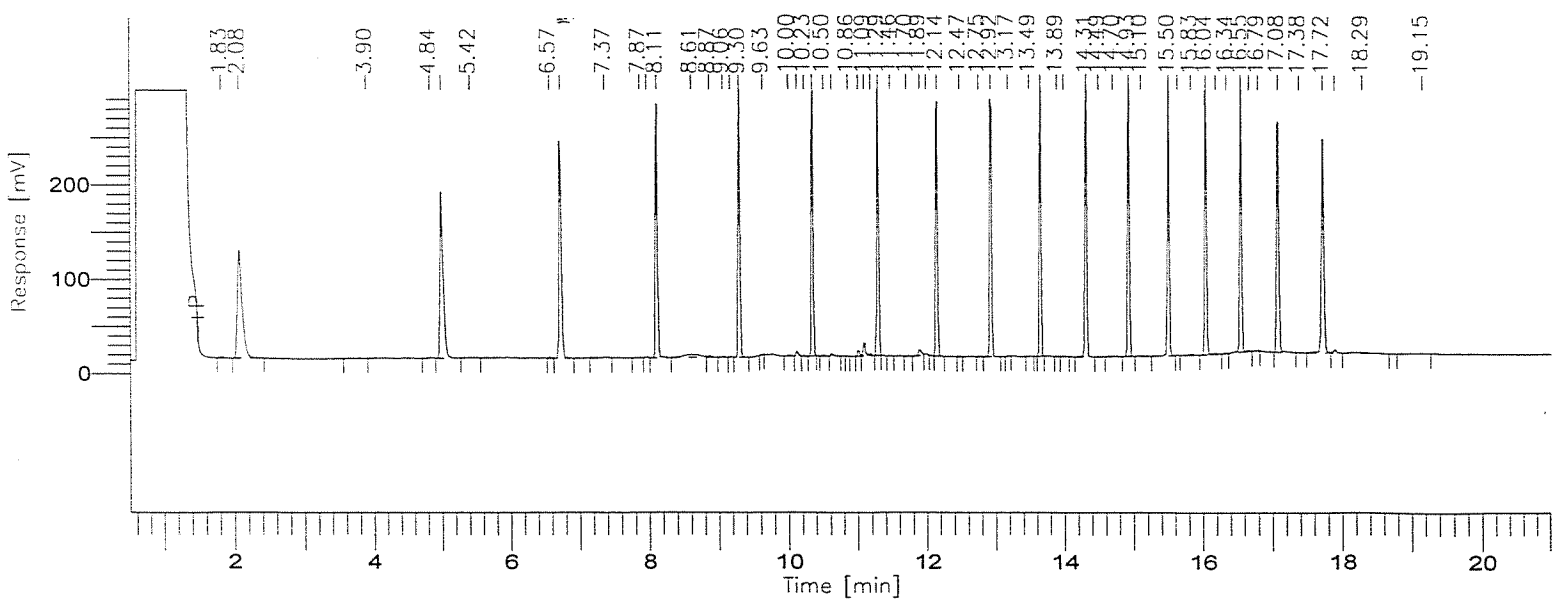
Raw Data File : C:\TC4\DATA_01\O03_018A.RAW
Result File : C:\TC4\DATA_01\O03_018A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_018A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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: 62



001207

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	559484	55.994	------	10.0	
5.77	C10-C11	590150	55.931	------	10.0	
7.31	C12-C13	587180	54.718	------	10.0	
8.59	C14-C15	642226	53.315	------	10.0	
9.69	C16-C17	592742	54.764	------	10.0	
10.72	C18-C19	639711	53.268	------	10.0	
12.02	C20-C23	1187222	54.679	------	10.0	
13.53	C24-C27	1175387	55.999	------	10.0	
14.82	C28-C31	1199112	55.856	------	10.0	
15.90	C32-C35	1206984	56.067	------	10.0	
16.99	C36-C39	1203641	56.197	------	10.0	
19.29	C40+	612808	59.355	------	10.0	
		10196647	666.142			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		555150	0.555	------	10.0	
3.90		1043	0.001	------	10.0	
4.84		3291	0.003	------	10.0	
		559484	0.559			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.00		584142	0.584	------	10.0	
5.42		3072	0.003	------	10.0	
6.57		2937	0.003	------	10.0	
		590150	0.590			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
72		579151	0.579	------	10.0	
7.37		3190	0.003	------	10.0	
7.87		1640	0.002	------	10.0	
7.97		3200	0.003	------	10.0	
		587180	0.587			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		576075	0.576	------	10.0	
8.61		54435	0.054	------	10.0	
8.87		7224	0.007	------	10.0	
9.06		4491	0.004	------	10.0	
		642226	0.642			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2111	0.002	------	10.0	
9.30		572313	0.572	------	10.0	
9.63		1998	0.002	------	10.0	
10.00		2315	0.002	------	10.0	
10.12		12192	0.012	------	10.0	
10.23		1814	0.002	------	10.0	
		592742	0.593			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		572752	0.573	------	10.0	
10.50		2561	0.003	------	10.0	
0.62		6077	0.006	------	10.0	
10.85		327	0.000	------	10.0	
11.01		15811	0.016	------	10.0	
11.09		35479	0.035	------	10.0	
11.18		6704	0.007	------	10.0	

	639711	0.640

oup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		576589	0.577	------	10.0	
11.46		1072	0.001	------	10.0	
11.70		696	0.001	------	10.0	
11.89		23274	0.023	------	10.0	
11.99		6059	0.006	------	10.0	
12.14		577792	0.578	------	10.0	
12.47		1176	0.001	------	10.0	
12.75		563	0.001	------	10.0	
		1187222	1.187			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		581966	0.582	------	10.0	
13.17		1513	0.002	------	10.0	
13.48		1074	0.001	------	10.0	
13.65		588904	0.589	------	10.0	
13.89		610	0.001	------	10.0	
13.98		1320	0.001	------	10.0	
		1175387	1.175			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		594663	0.595	------	10.0	
14.49		1681	0.002	------	10.0	
14.70		6684	0.007	------	10.0	
14.93		589964	0.590	------	10.0	
15.10		6121	0.006	------	10.0	
		1199112	1.199			

Group Report For : C32-C35

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
1[illegible] 50		600034	0.600	------	10.0
1[illegible].63		1718	0.002	------	10.0
15.83		8954	0.009	------	10.0
16.04		586586	0.587	------	10.0
16.18		7555	0.008	------	10.0
16.34		2137	0.002	------	10.0
		1206984	1.207		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		597016	0.597	------	10.0	
16.66		6024	0.006	------	10.0	
16.79		3944	0.004	------	10.0	
17.08		595688	0.596	------	10.0	
17.38		970	0.001	------	10.0	
		1203641	1.204			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		576178	0.576	------	10.0	
17.89		10580	0.011	------	10.0	
18.29		18714	0.019	------	10.0	
19.15		7336	0.007	------	10.0	
		612808	0.613			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_018A.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\003.SEQ
Created by : doug on : 10/3/00 07:49 AM
Edited by : EC on : 10/4/00 10:12 AM
Description :

Number of Times Edited : 15

Sequence File Header Information:

Number of Rows : 84
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 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 9/21/	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 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
8	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	MECL2		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DAILY RT MARKER	C8-C40	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace	#TEPH00 167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	285-08		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	285-11		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	285-13		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	285-14		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
32	Sample	285-16		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	285-19		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	285-20		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	285-21		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	285-22		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	285-24		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	285-25		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	MECL2	MECL2	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	285-MB		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	285-LCS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	285-27		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	285-27 MS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	285-27 MSD		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	285-28		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	285-34		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	285-35		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	285-36		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	285-37		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	285-38		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

61	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	285-42		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	285-43		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	285-44		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	285-45		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	285-47		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	285-48		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-49		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-50 5x		ICAL8/28/0	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
70	Std Check	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

INITIAL CALIBRATION DATA

Date Analyzed: 9-27-00

Instrument ID: GC3

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

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

001215

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
O rator : 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 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
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

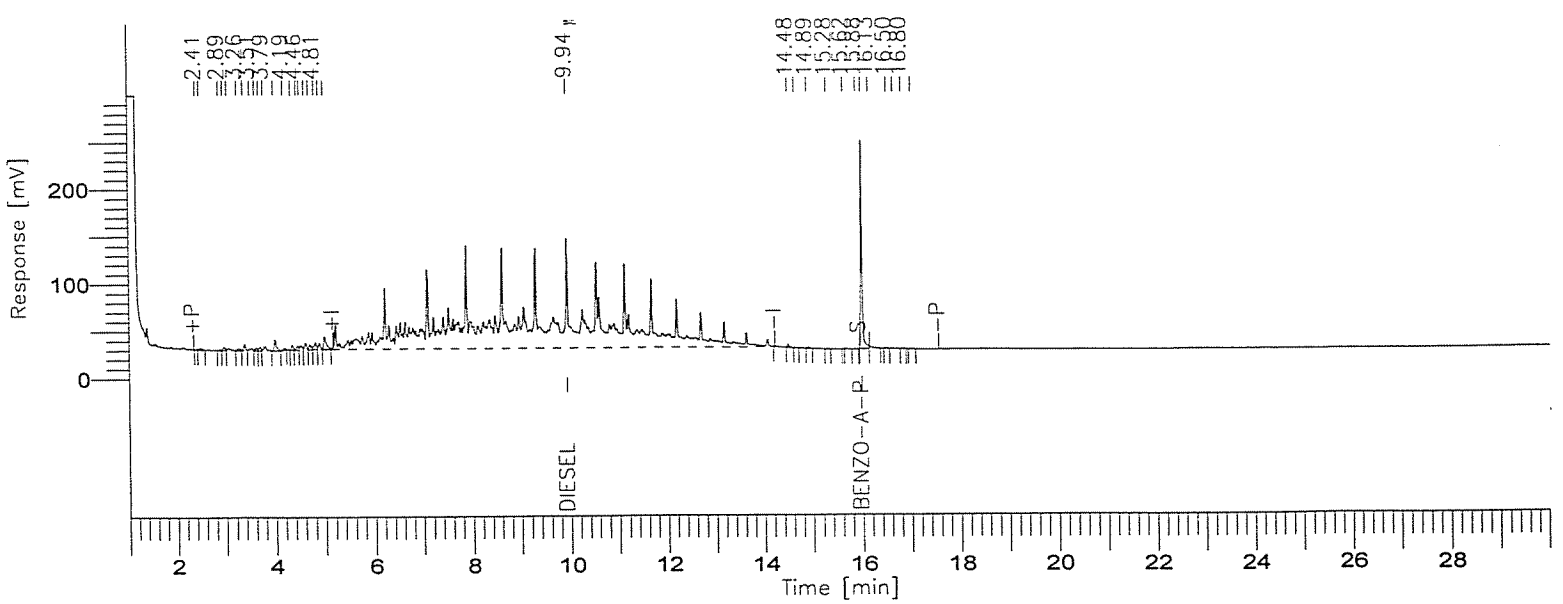
Source: Union 76, Edinger, Sta Ana

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
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



001217

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	------	----------
4.456		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
C rator : 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

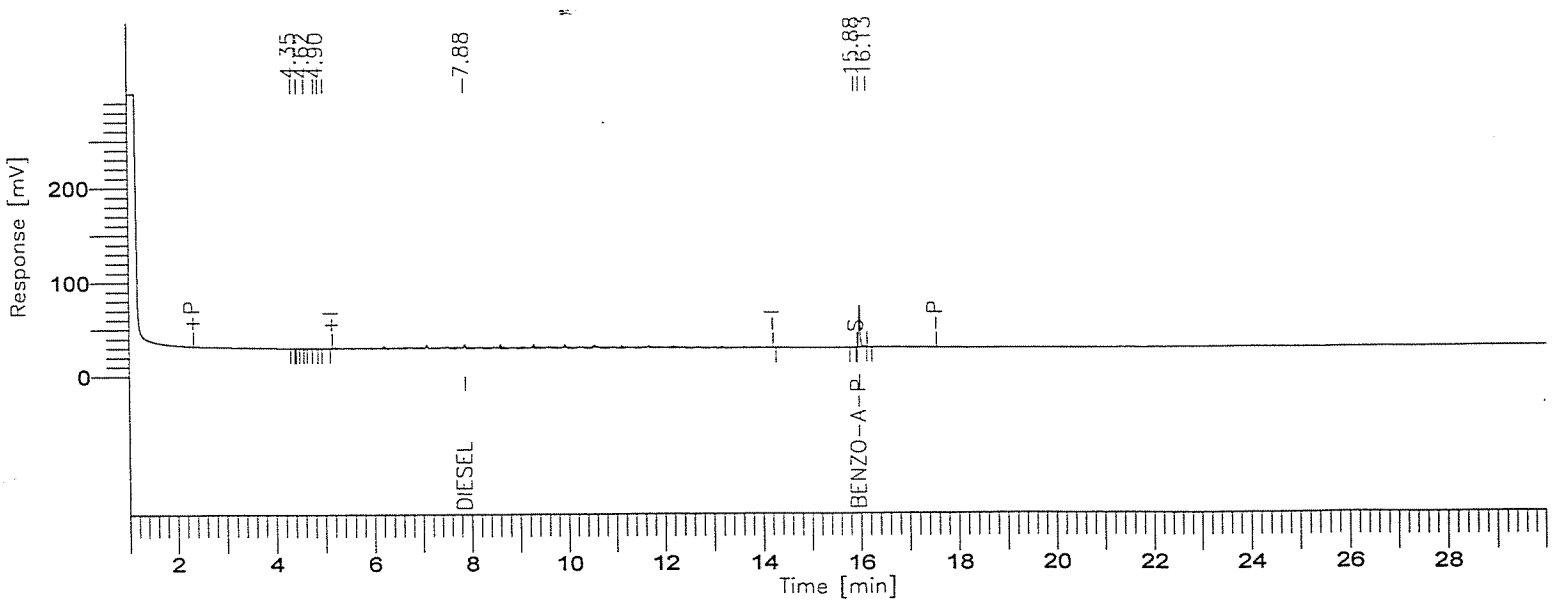
Raw Data File : C:\TC4\DATA_3\927_033.RAW
Result File : C:\TC4\DATA_3\927_033.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_033.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 10

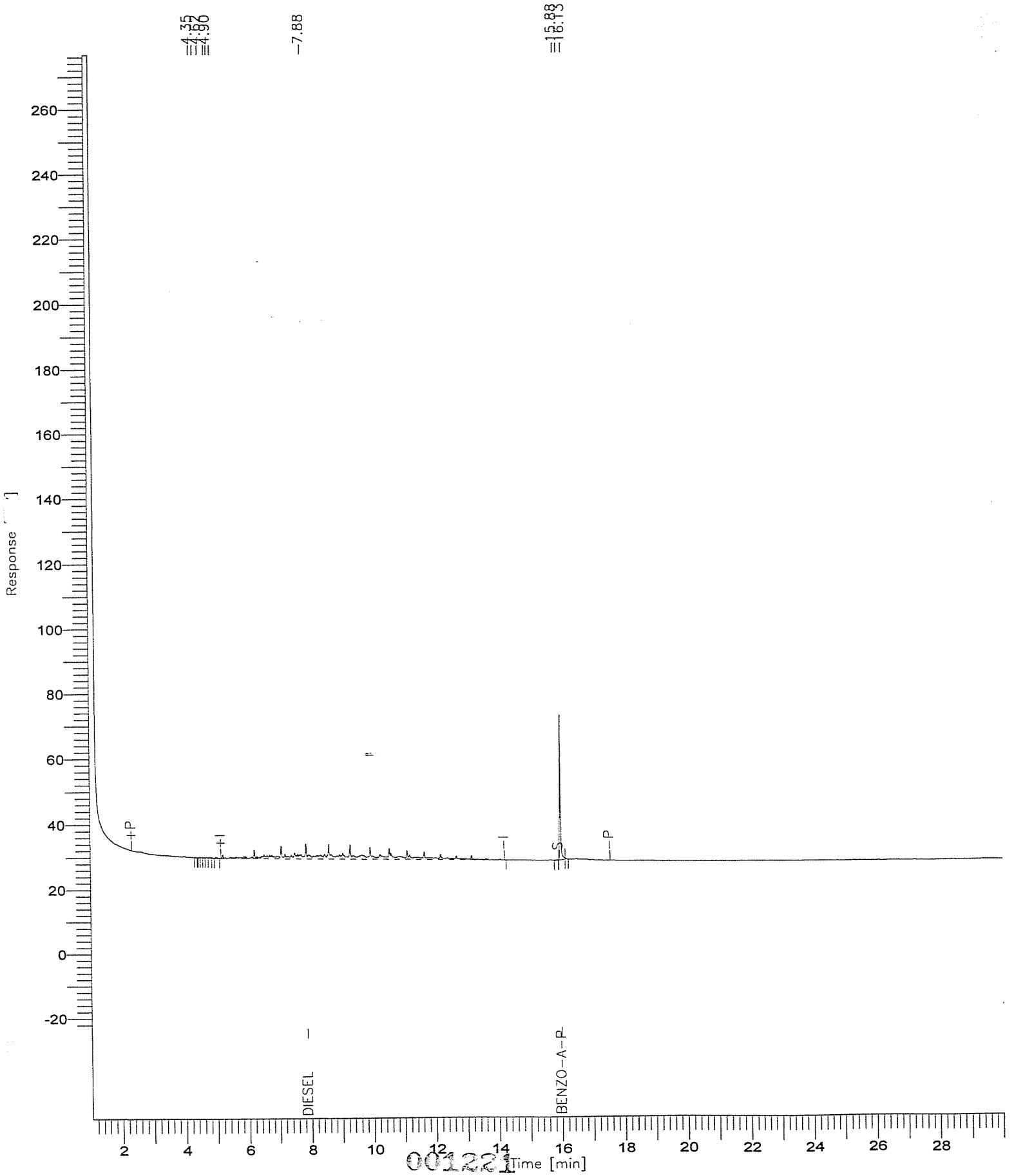


001220

Chromatogram

Sample Name : #TEPH00-98 DIESEL STD
FileName : C:\TC4\DATA_3\927_033.RAW
Method :
St Time : 1.02 min End Time : 30.00 min
Sc 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



001221

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
D a 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
C :ator : 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

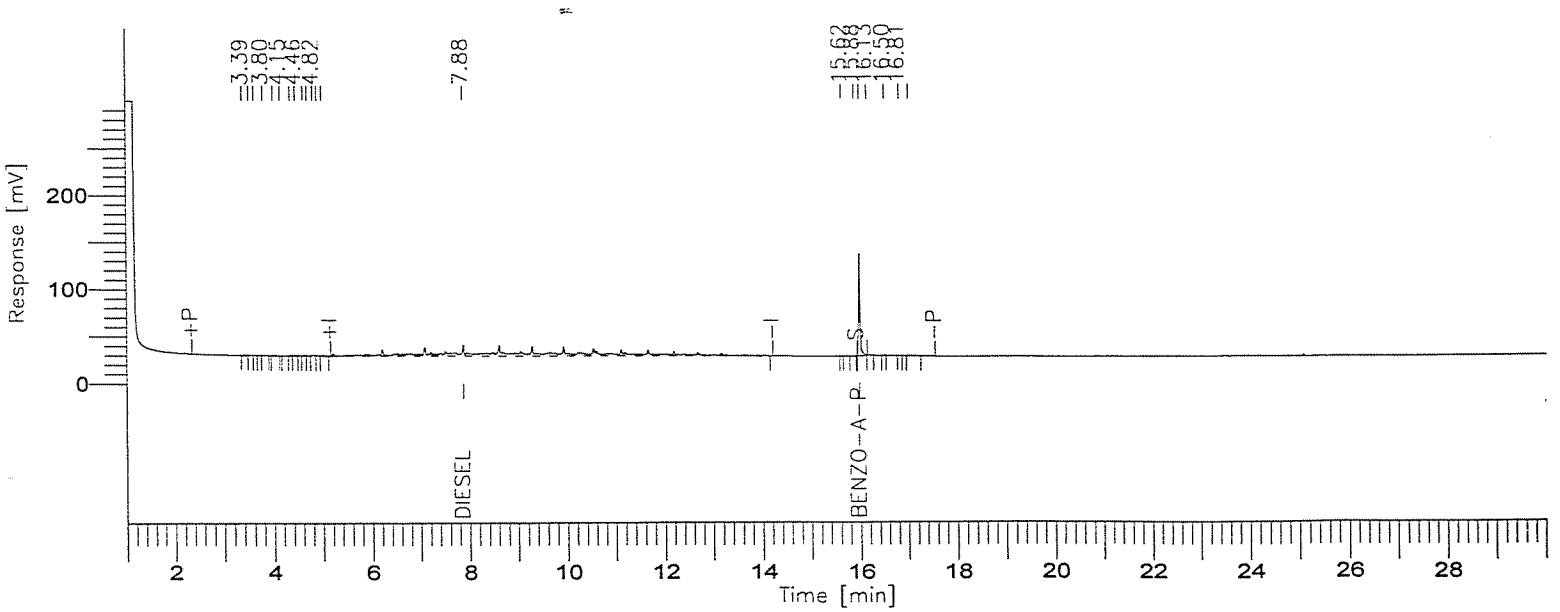
Raw Data File : C:\TC4\DATA_3\927_034.RAW
Result File : C:\TC4\DATA_3\927_034.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_034.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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
[illegible]tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



001224

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
D a 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/~~26~~/00
C rator : 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

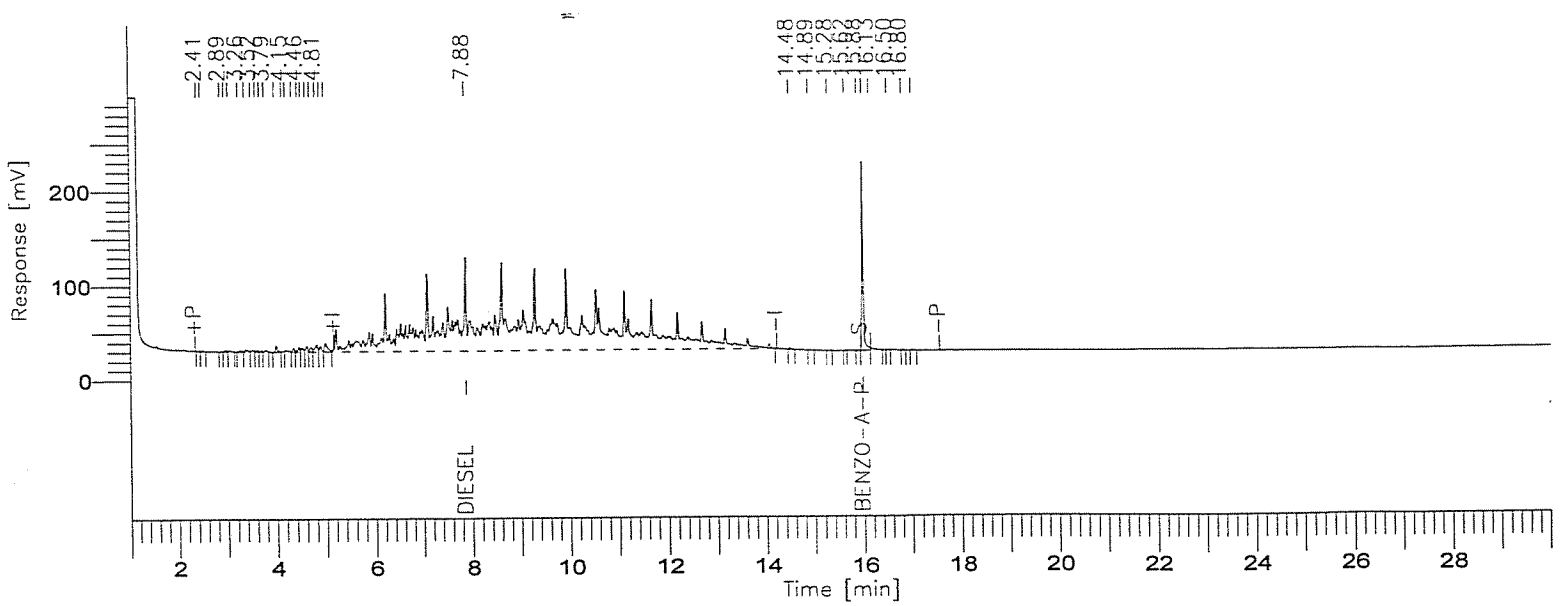
Raw Data File : C:\TC4\DATA_3\927_035.RAW
Result File : C:\TC4\DATA_3\927_035.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_035.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



001227

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
Sequence 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
C `rator : 27 9-27-00 K

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

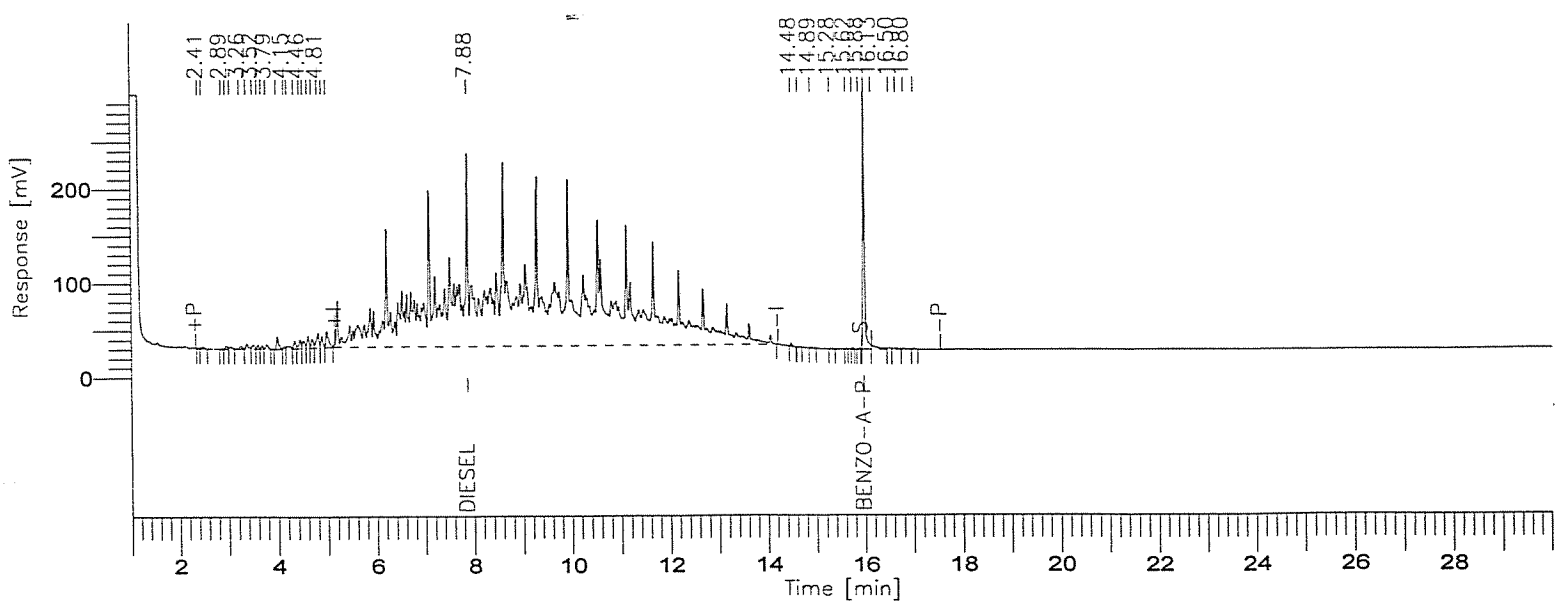
Raw Data File : C:\TC4\DATA_3\927_036.RAW
Result File : C:\TC4\DATA_3\927_036.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_036.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 36



001230

BOE-C6-0164422

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
Sequence 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/~~26~~/00
O rator : 27 9-27-00 EK

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

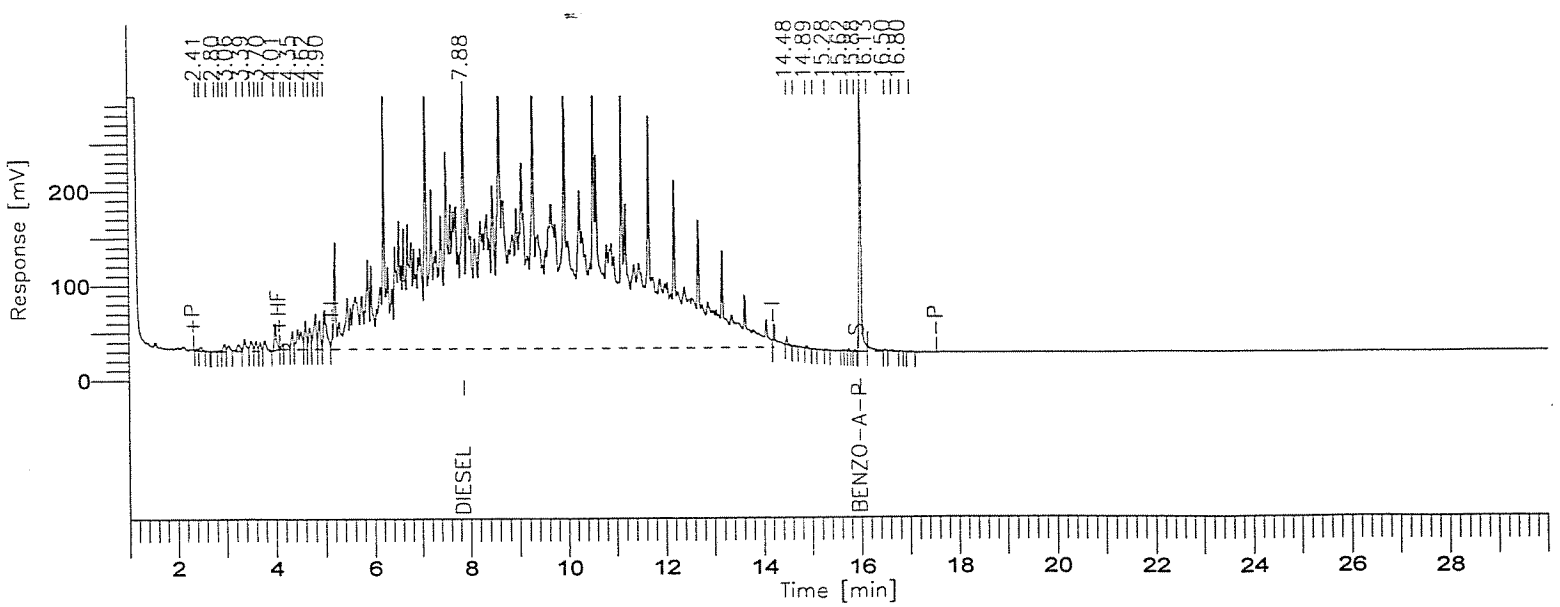
Raw Data File : C:\TC4\DATA_3\927_037.RAW
Result File : C:\TC4\DATA_3\927_037.rst
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_037.rst
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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
tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 38



001233

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
Sample Number: C8-C40
(rator :

Time : 9/27/00 01:23 PM
Study : ICAL 9/~~26~~/00
27 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: 9/27/00 12:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

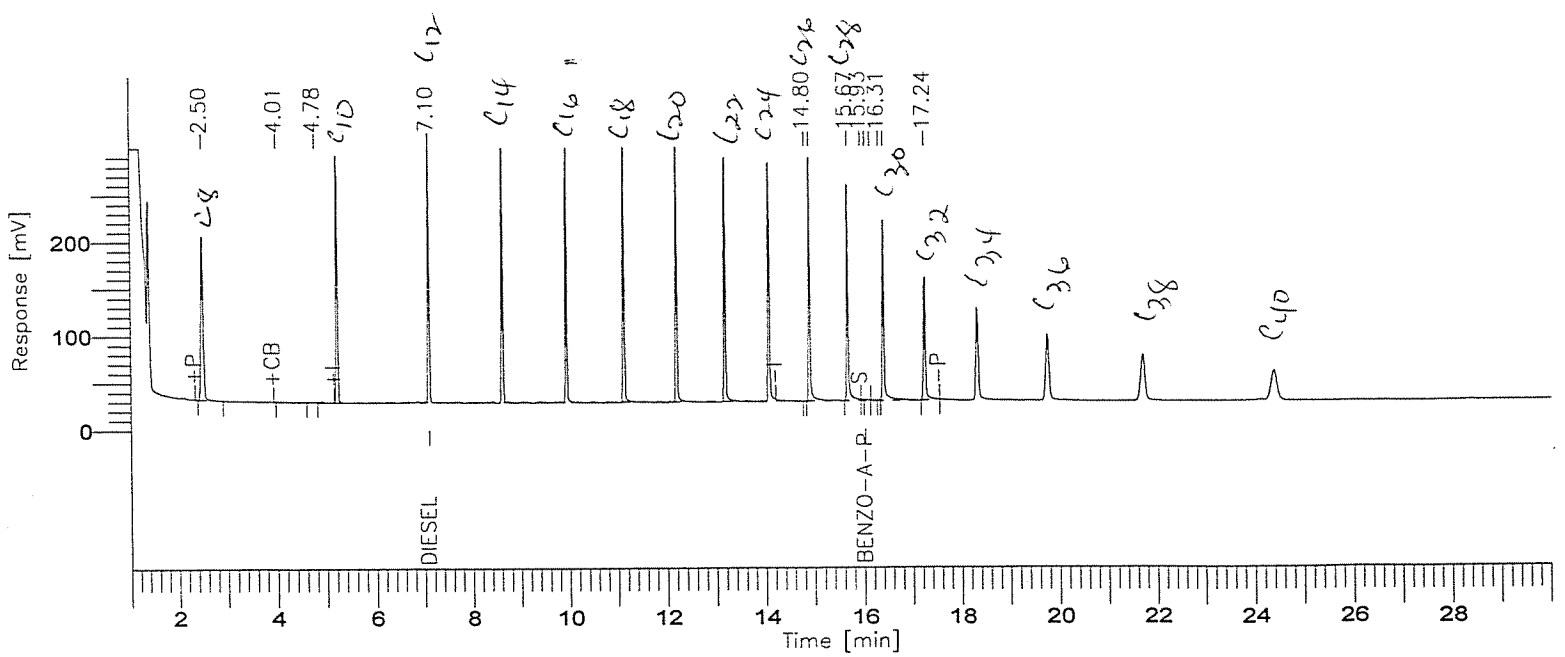
Raw Data File : C:\TC4\DATA_3\927_032.RAW
Result File : C:\TC4\DATA_3\927_032.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_032.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\927.SEQ

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
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 13



001235

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
[illegible]	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
[illegible]	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
18	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 $C_8 \rightarrow C_{40}$

BOE-C6-0164430

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 AVG CF

10 → 500 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	120932.02	----------	----------	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
D a 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

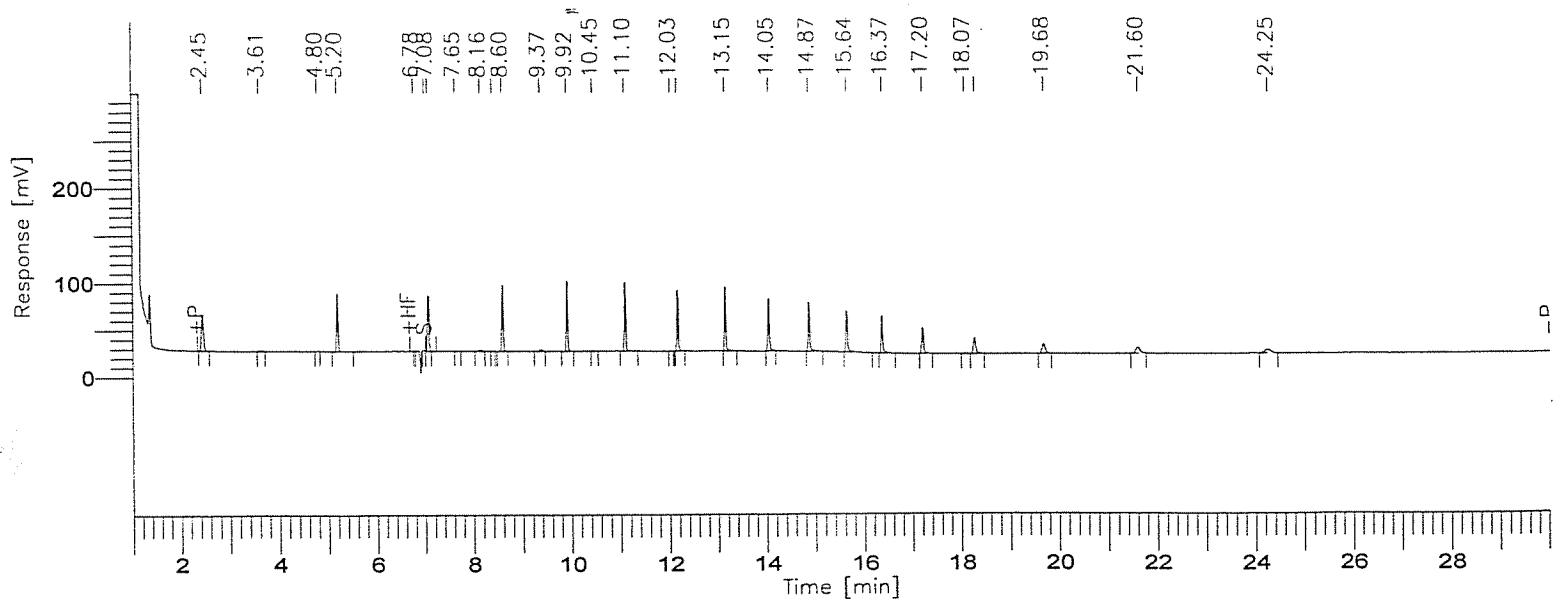
Raw Data File : C:\TC4\DATA_3\930_004.RAW
Result File : C:\TC4\DATA_3\930_004.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_004.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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



001247

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	
[illegible].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
7.07		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
a 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
-C23	13.051	20.00000	490506.500000	24525.325000	0.00	5	------	------	1	0
-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
6-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
O ·ator :

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

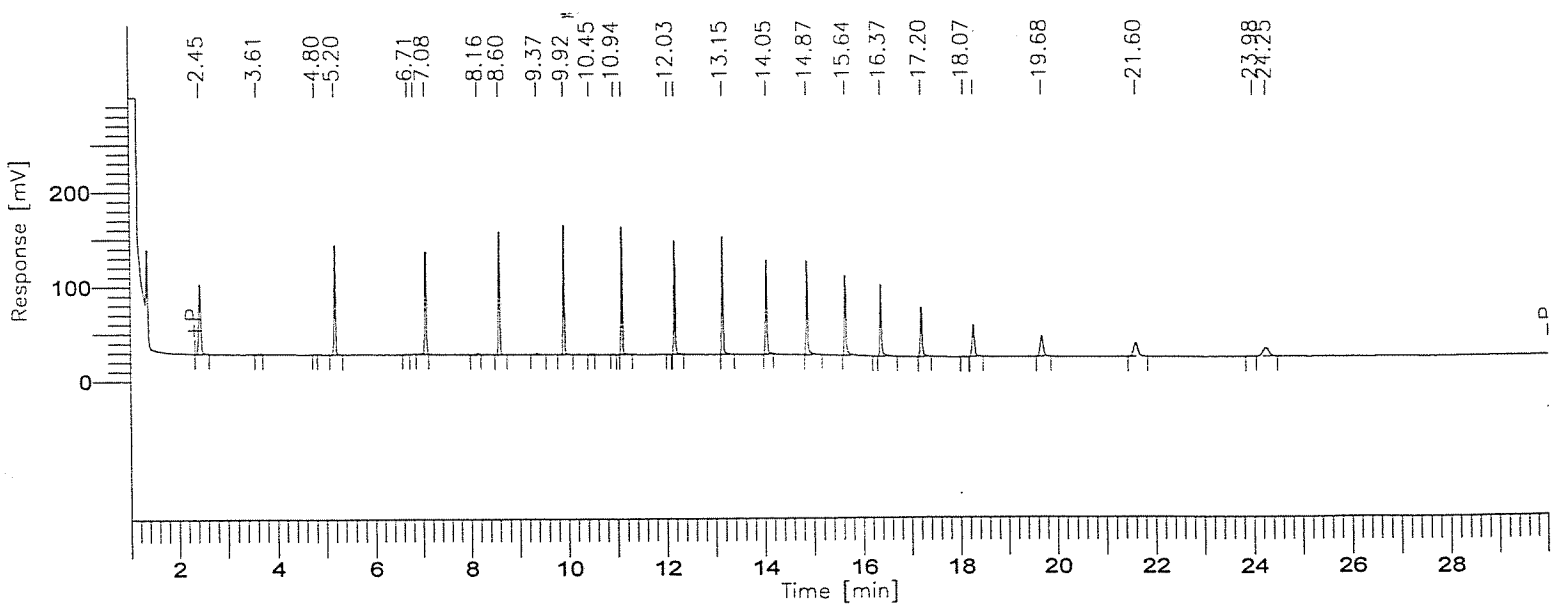
Raw Data File : C:\TC4\DATA_3\930_005.RAW
Result File : C:\TC4\DATA_3\930_005.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_005.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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
.tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 28



001254

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
7.08		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
9.92		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			

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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
D a 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
C24-C27	14.784	30.00000	599012.500000	19967.083333	0.00	5	------	------	1	0
C28-C31	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
C36-C39	0.000000	13956.889349	----------	----------	--------	9
C40+	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
O cator :

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

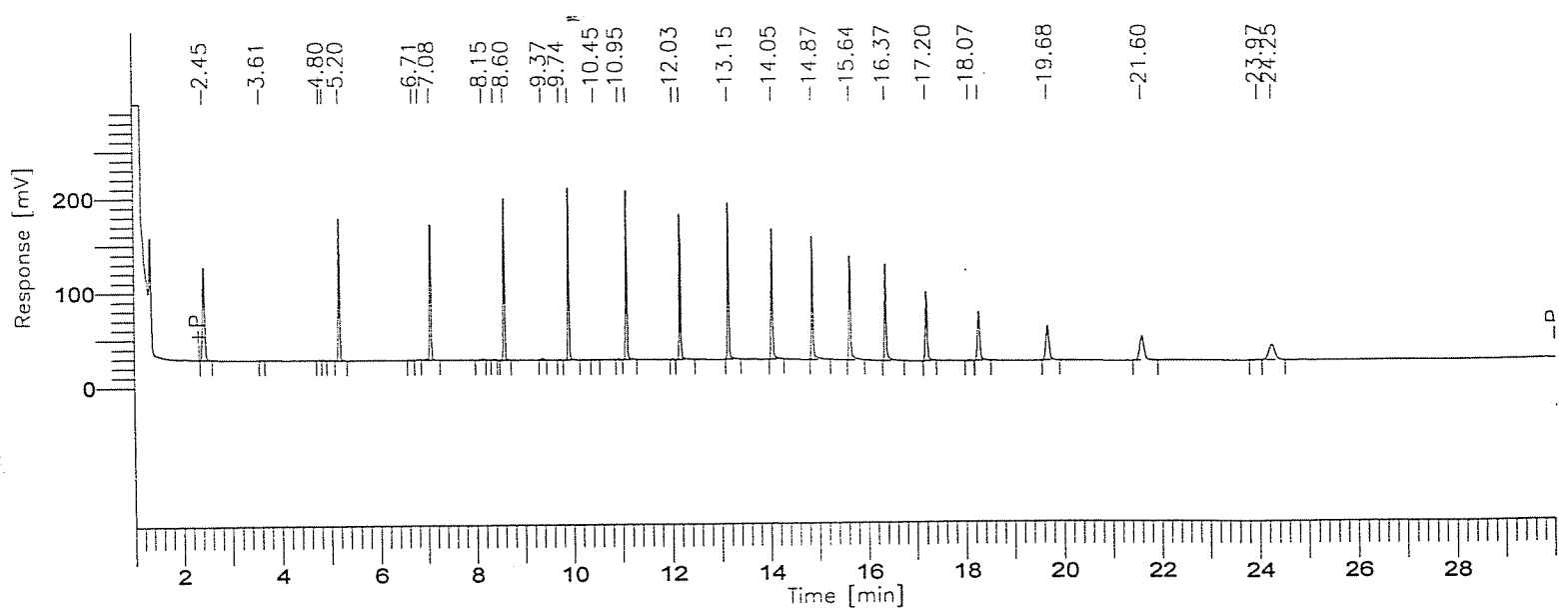
Raw Data File : C:\TC4\DATA_3\930_006.RAW
Result File : C:\TC4\DATA_3\930_006.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_006.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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
l tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 31



001261

BOE-C6-0164453

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	
5.70		952	0.0010	-------	10.0	
6.83		3445	0.0034	-------	10.0	
		323707	0.3237			

Group Report For : C12-C13

T e [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			

oup 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	
23.97		3482	0.0035	-------	10.0	
		330001	0.3300			

Group Report For : C40+

T e [min]	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
C23	13.051	40.00000	871408.500000	21785.212500	0.00	5	------	------	1	0
C27	14.784	40.00000	805271.000000	20131.775000	0.00	5	------	------	1	0
C28-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
C40+	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
C rator :

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

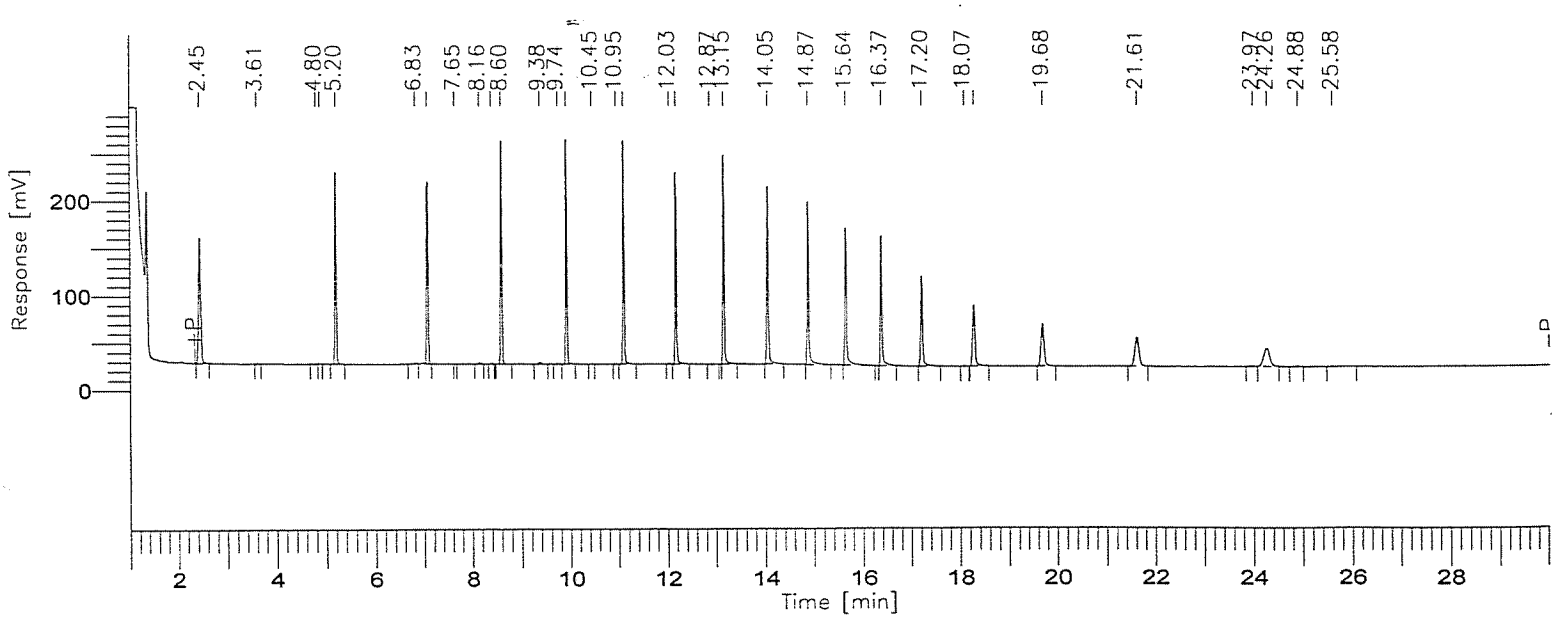
Raw Data File : C:\TC4\DATA_3\930_007.RAW
Result File : C:\TC4\DATA_3\930_007.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_007.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



001268

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	
5.83		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
7.08		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			

oup 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
12.87		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
15.64		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

Group 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
D a 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
C[illegible]-C23	13.051	50.00000	1204859.000000	24097.180000	0.00	6	------	------	1	0
[illegible]-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
[illegible]-C39	0.000000	11443.640357	----------	----------	--------	9
[illegible]0+	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
= 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
Sample Number: 50 PPM
Operator :

Time : 10/3/00 09:26 AM
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: 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
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

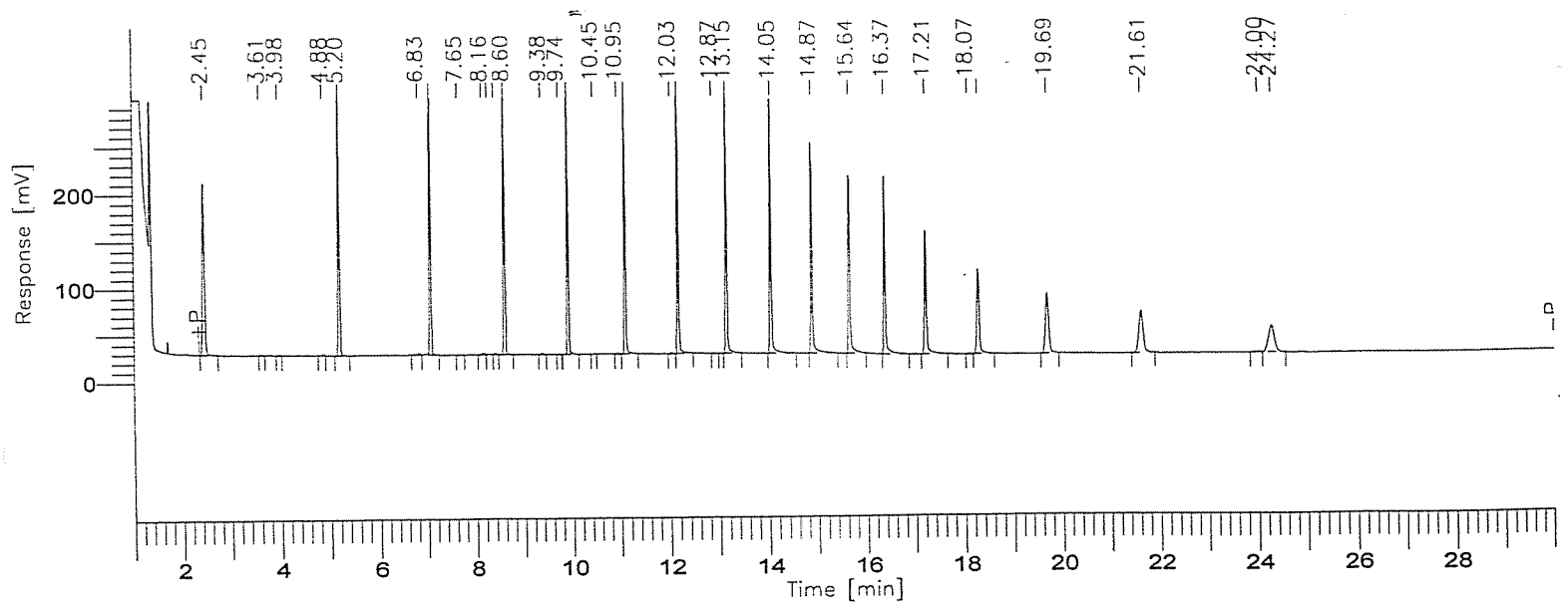
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



001275

BOE-C6-0164467

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	
5.83		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
7.08		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 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	
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
.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+

T e [min]	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			

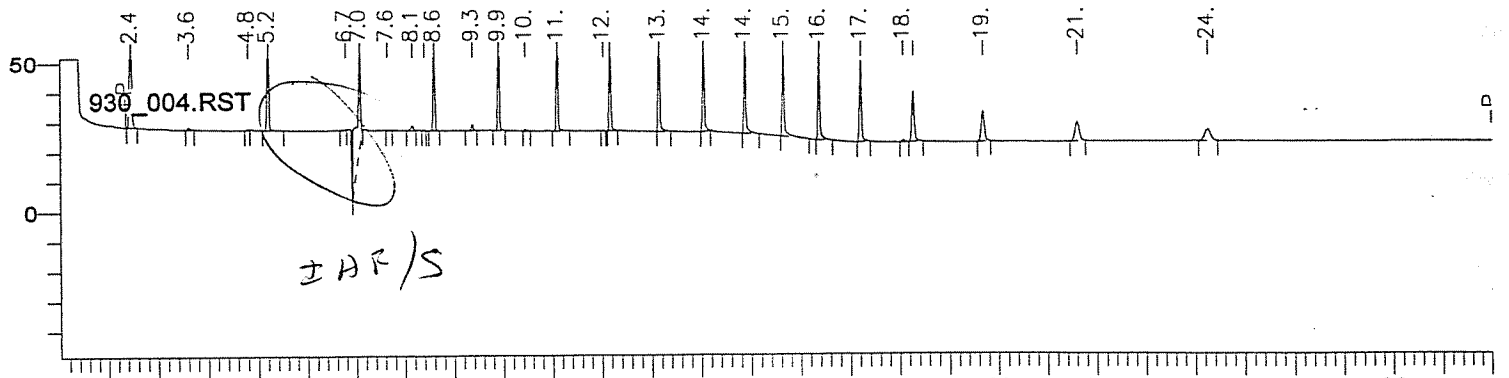
Missing Component Report

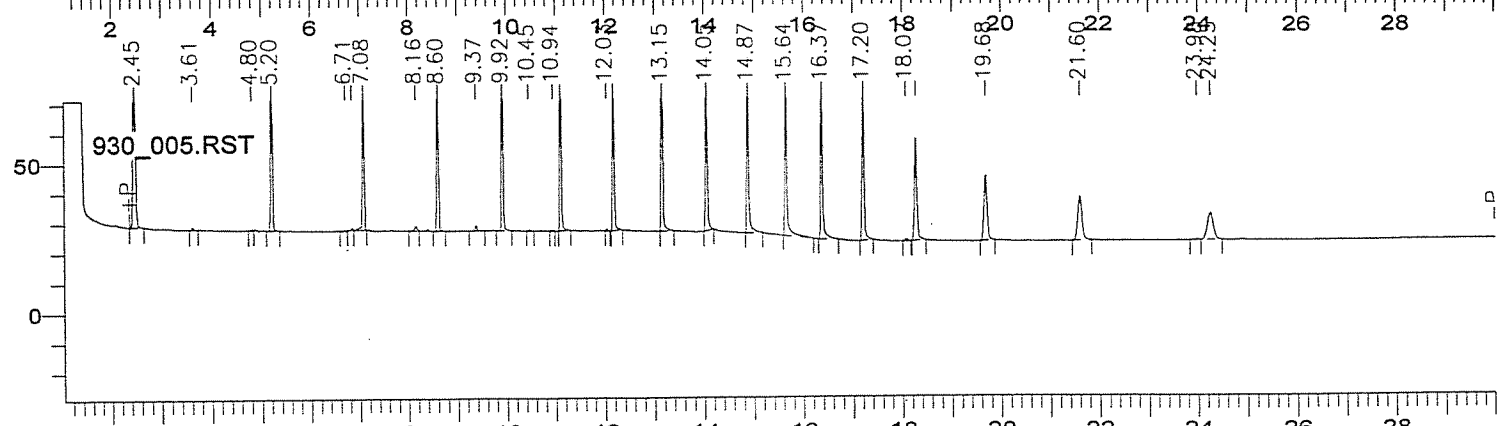
Component	Expected Retention (Calibration File)

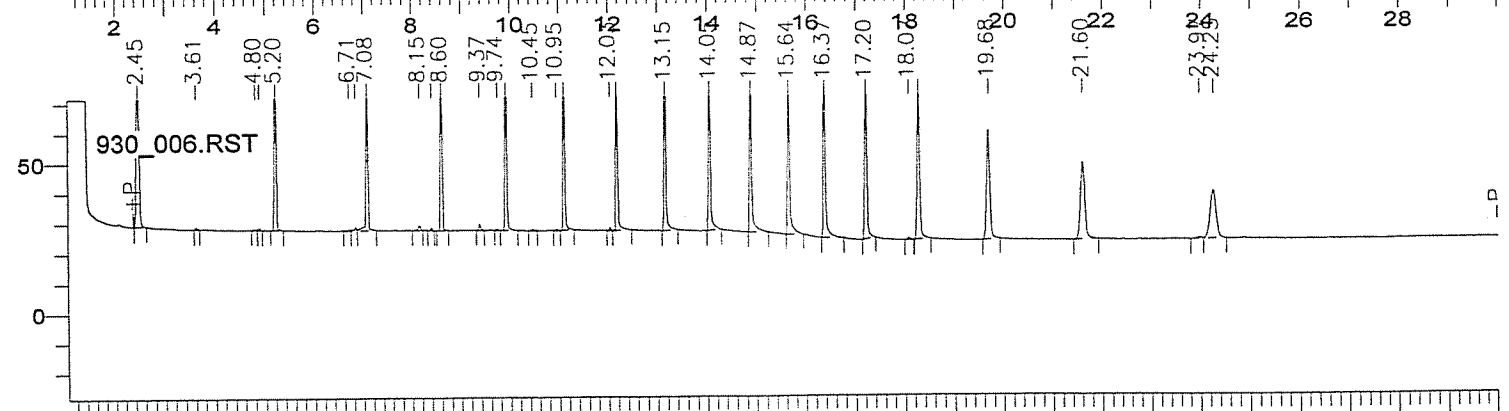
All components were found

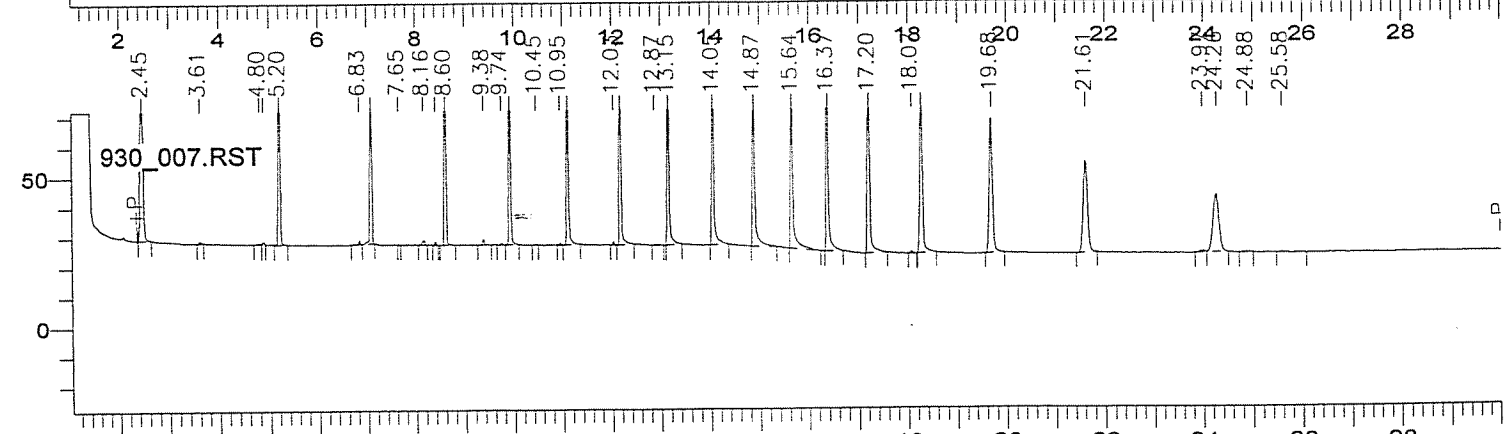
STL - LOS ANGELES

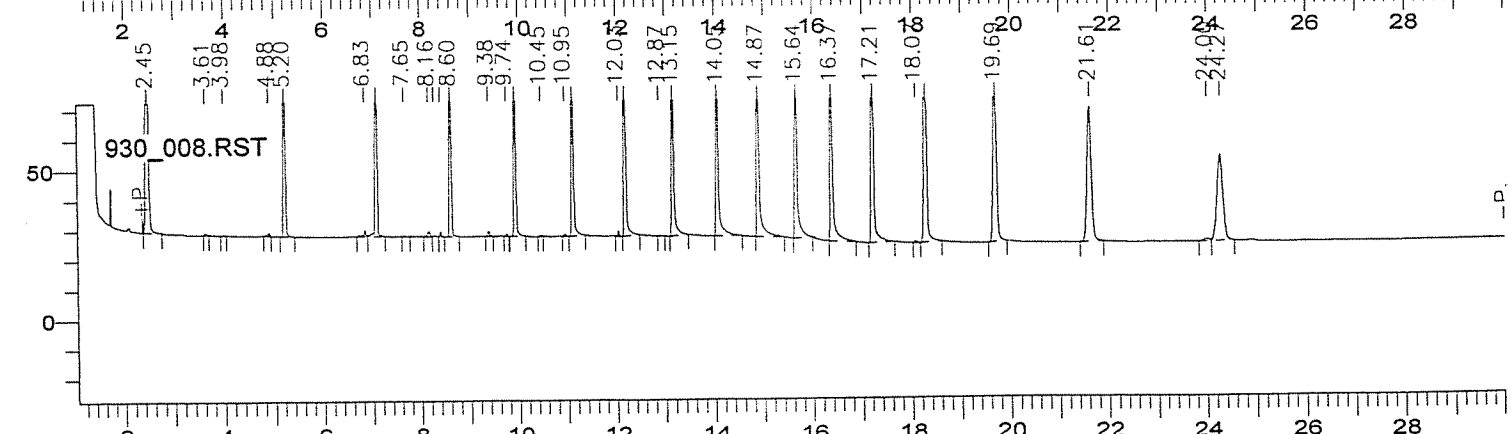
Report stored in ASCII file: C:\TC4\DATA_3\930_008.TX0











001280

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
S ›le 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
16	Sample	215-06	DL1KC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	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	5.000	20.000	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	1.000	1.000	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	5.000	20.000	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	1.000	1.000	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

PCB

SAMPLE AND QC DATA

Date(s) Analyzed: 10-13-00

Instrument ID: GC6 GC7 GC8 GC9A

Lab #: EOJ 110284

Batch #: 0285588

Samples: B, C, 8

EOJ100249-1, 15, 1D Batch QC

EXTRACTION NOTES

BOE-C6-0164476

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/12/00
Time: 18:49:18

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

Y 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

Reviewer/Date: APAHIDEC / 10/11/00

****
* QC BATCH: 0285588 *
****

PREP DATE: 10/11/00
COMP DATE: 10/11/00

PCBs (8082)
SONICATION w/ACID STRIP (PCB)

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
10/23/00	10/18/00	E0J100249-001 DLW0K-1-05	R	71	QH	SOLID	30g 10.00mL	NA	NA	NA	MECL2:AC	300.0	HEXANE	40.0	PEST1563-2SCS/0.2PPM/1ML
COMMENTS:															
10/23/00	10/18/00	E0J100249-001 DLW0K-1-1DS	R	71	QH	SOLID	30g 10.00mL	NA	NA	NA	MECL2:AC	300.0	HEXANE	40.0	PCB1563-1DCS/10PPM/1ML PEST1563-2SCS/0.2PPM/1ML
COMMENTS:															
10/23/00	10/18/00	E0J100249-001 DLW0K-1-1ED	R	71	QH	SOLID	30g 10.00mL	NA	NA	NA	MECL2:AC	300.0	HEXANE	40.0	PCB1563-1DCS/10PPM/1ML PEST1563-2SCS/0.2PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-008 DM090-1-AA	DR	71	QH	SOLID	30g 10.00mL	NA	NA	NA	MECL2:AC	300.0	HEXANE	40.0	PEST1563-2SCS/0.2PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-004 DM1DV-1-AD	DR	71	QH	SOLID	30g 10.00mL	NA	NA	NA	MECL2:AC	300.0	HEXANE	40.0	PEST1563-2SCS/0.2PPM/1ML
COMMENTS:															
10/23/00	0/00/00	E0J110000-588 DM1D4-1-AAB		71	QH	SOLID	30g 10.00mL	NA	NA	NA	MECL2:AC	300.0	HEXANE	40.0	PEST1563-2SCS/0.2PPM/1ML
COMMENTS:															
10/23/00	0/00/00	E0J110000-588 DM1D4-1-ACC		71	QH	SOLID	30g 10.00mL	NA	NA	NA	MECL2:AC	300.0	HEXANE	40.0	PCB1563-1DCS/10PPM/1ML PEST1563-2SCS/0.2PPM/1ML
COMMENTS:															

SPKD BY: CA MECL2/T08286 HEX/T03268 ACID/5557 HG/09312KR NA2SO4/8024
METHOD: 3550B.
RELINQUISHED BY/DATE: CA 10-12-00 RECEIVED BY/DATE: 10/13/00 CB

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)

NUMBER OF WORK ORDERS IN BATCH: 7

001285

BOE-C6-0164477

Turbochrom Sequence File : C:\TC4\DATA_9\007.SEQ
Created by : LB on : 10/7/00 04:05 PM
Edited by : LB on : 10/13/00 09:11 AM
Description :

Number of Times Edited : 4

Sequence File Header Information: FJK 10/23/00

Number of Rows : 199
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	HEXANE	REG LNR	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Cal:Replace	AR1660 50UL-->1	.1 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	AR1660 100UL-->	.2 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	AR1660 250UL-->	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	AR1660 375UL-->	.75 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	AR1660 500UL-->	1 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	AR1660 750UL-->	1.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	AR1660 00-99	2 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Std Check	AR1660 00-143,	.5 PPM 2ND	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	AR1232 00-138,	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	AR1242 00-108,0	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	AR1248 00-107,0	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	AR2154 00-142,	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	0280469-MB	DLPNF101 B	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
15	Sample	0280469-LCS	DLPNF102 C	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
16	Sample	125-14	DLH41101	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
17	Sample	316-1	DLM30101	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
18	Sample	216-1	DLNAX101	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
19	Sample	216-1S	DLNAX102 S	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
20	Sample	216-1D	DLNAX103 D	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
21	Sample	216-2	DLNCX101	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
22	Sample	HEXANE	BLANK	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Std Check	AR1660 00-111,	.5 PPM 2ND	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	HEXANE	BLANK	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Std Check	AR1660 00-111,	.5 PPM 2ND	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	0285588-MB	DM1D41AA B	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
27	Sample	0285588-LCS	DM1D41AC C	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
28	Cal:Replace	AR2154 00-142,	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	249-1	DLW0K105	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
30	Sample	249-1S	DL20K11D S	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
31	Sample	249-1D	DLW0K11E D	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
32	Sample	284-8	DM0901AA	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
33	Sample	292-4	DM1DV1AD	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
34	Sample	HEXANE	BLANK	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Std Check	AR1660 00-111,	.5 PPM 2ND	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
37	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
38	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
39	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
40	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
41	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
42	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
43	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
44	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
45	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
46	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
47	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
48	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
49	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
50	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
51	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
52	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
53	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
54	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
55	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
56	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
57	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
58	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
59	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
60	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : AR1660 00-111, 0.5UG/ML Time : 10/13/00 09:11 AM
Sample Number: .5 PPM 2ND Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 08:35 AM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A025.RAW
Result File : C:\TC4\DATA_9\O07A025.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A025.RST
Proc Method : C:\TC4\DATA_9\PEST9AQC
Calib Method : C:\TC4\DATA_9\1660_9A
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 68

8082 STD CHECK - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
TCMX	28.168	25	12.67	4.928	4.770	5.086
AROCLOR1016	538.561	500	7.71	9.786	9.786	9.786
AROCLOR1260	465.762	500	-6.85	22.487	22.487	22.487
DCB	22.376	25	-10.50	31.006	30.268	31.744

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High

Group Report For : AROCLOR1016

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
1016-PK1	567.881	0	------	6.907	6.745	7.069
1016-PK2	548.382	0	------	8.391	8.229	8.553
1016-PK3	558.178	0	------	9.512	9.350	9.674
1016-PK4	525.310	0	------	9.786	9.624	9.948
1016-PK5	529.521	0	------	10.438	10.276	10.600

Group Report For : AROCLOR1260

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
1260-PK3	477.268	0	------	18.015	17.802	18.228
1260-PK1	488.886	0	------	16.790	16.577	17.003
1260-PK2	476.542	0	------	17.614	17.401	17.827
1260-PK4	451.929	0	------	22.487	22.274	22.700
1260-PK5	442.967	0	------	24.625	24.412	24.838

Report stored in ASCII file: C:\TC4\DATA_9\O07A025.TX0

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.01	0.0139	4.583	------	13854	------
TCMX	28.17	28.1682	4.928	-0.001	1244011	140.8
	0.07	0.0683	5.972	------	68337	------
	0.10	0.1008	6.197	------	100752	------
	0.14	0.1371	6.690	------	137054	------
	0.03	0.0300	7.120	------	30037	------
	0.01	0.0089	7.298	------	8881	------
	0.12	0.1249	8.130	------	124917	------
	0.14	0.1434	8.809	------	143400	------
	0.38	0.3840	9.200	------	383961	------
	0.22	0.2234	9.316	------	223405	------
AROCLOR1016	538.56	538.5608	9.786	0.000	5277697	------
	0.13	0.1318	10.706	------	131818	------
	0.64	0.6438	10.983	------	643756	------
	0.55	0.5492	11.081	------	549236	------
	0.58	0.5751	11.283	------	575061	------
	0.34	0.3407	11.406	------	340722	------
	0.24	0.2426	11.554	------	242569	------
	0.09	0.0892	11.991	------	89193	------
	0.78	0.7848	12.448	------	784781	------
	0.24	0.2371	12.620	------	237059	------
	0.49	0.4932	12.977	------	493167	------
	0.13	0.1338	13.196	------	133808	------
	0.07	0.0701	13.327	------	70142	------
	0.12	0.1204	13.565	------	120384	------
	0.20	0.2048	13.837	------	204764	------
	0.53	0.5251	14.196	------	525116	------
	0.55	0.5507	14.474	------	550691	------
	0.01	0.0099	14.798	------	9854	------
	0.03	0.0260	15.070	------	25981	------
	0.04	0.0371	15.677	------	37096	------
	0.03	0.0284	16.028	------	28421	------
	0.10	0.0967	16.318	------	96696	------
	0.59	0.5894	17.178	------	589362	------
	0.10	0.0985	17.342	------	98486	------
	0.08	0.0789	18.395	------	78936	------
	0.01	0.0106	18.639	------	10595	------
	0.52	0.5165	18.935	------	516477	------
	0.01	0.0066	19.300	------	6559	------
	0.81	0.8131	19.546	------	813076	------
	0.53	0.5326	19.763	------	532611	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	1.18	1.1777	20.009	------	1177718	------
	0.73	0.7253	20.177	------	725328	------
	0.40	0.4032	20.473	------	403182	------
	0.15	0.1502	21.101	------	150216	------
	0.81	0.8053	21.848	------	805268	------
	0.23	0.2317	22.055	------	231685	------
	0.52	0.5170	22.230	------	516958	------
AROCLOR1260	465.76	465.7620	22.487	0.000	5918128	------
	0.08	0.0758	22.769	------	75785	------
	0.07	0.0715	23.772	------	71488	------
	0.48	0.4802	24.250	------	480178	------
	0.20	0.1971	24.458	------	197098	------
	0.03	0.0264	25.057	------	26358	------
	0.03	0.0262	25.825	------	26243	------
	0.01	0.0105	26.402	------	10511	------
	0.15	0.1517	26.703	------	151677	------
	0.38	0.3782	26.884	------	378224	------
	0.12	0.1156	28.908	------	115628	------
DCB	22.38	22.3757	31.006	0.004	808704	111.9

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	567.88	567.8812	6.907	4e-05	545947	------
1016-PK2	548.38	548.3820	8.391	0.001	1169518	------
1016-PK3	558.18	558.1781	9.512	0.001	559026	------
1016-PK4	525.31	525.3096	9.786	0.001	2147554	------
1016-PK5	529.52	529.5213	10.438	0.000	855652	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	477.27	477.2680	18.015	0.000	1261266	------
1260-PK1	488.89	488.8862	16.790	0.002	787463	------
1260-PK2	476.54	476.5423	17.614	0.001	1282484	------
1260-PK4	451.93	451.9285	22.487	0.002	1748512	------
1260-PK5	442.97	442.9672	24.625	0.000	838403	------

==========

Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

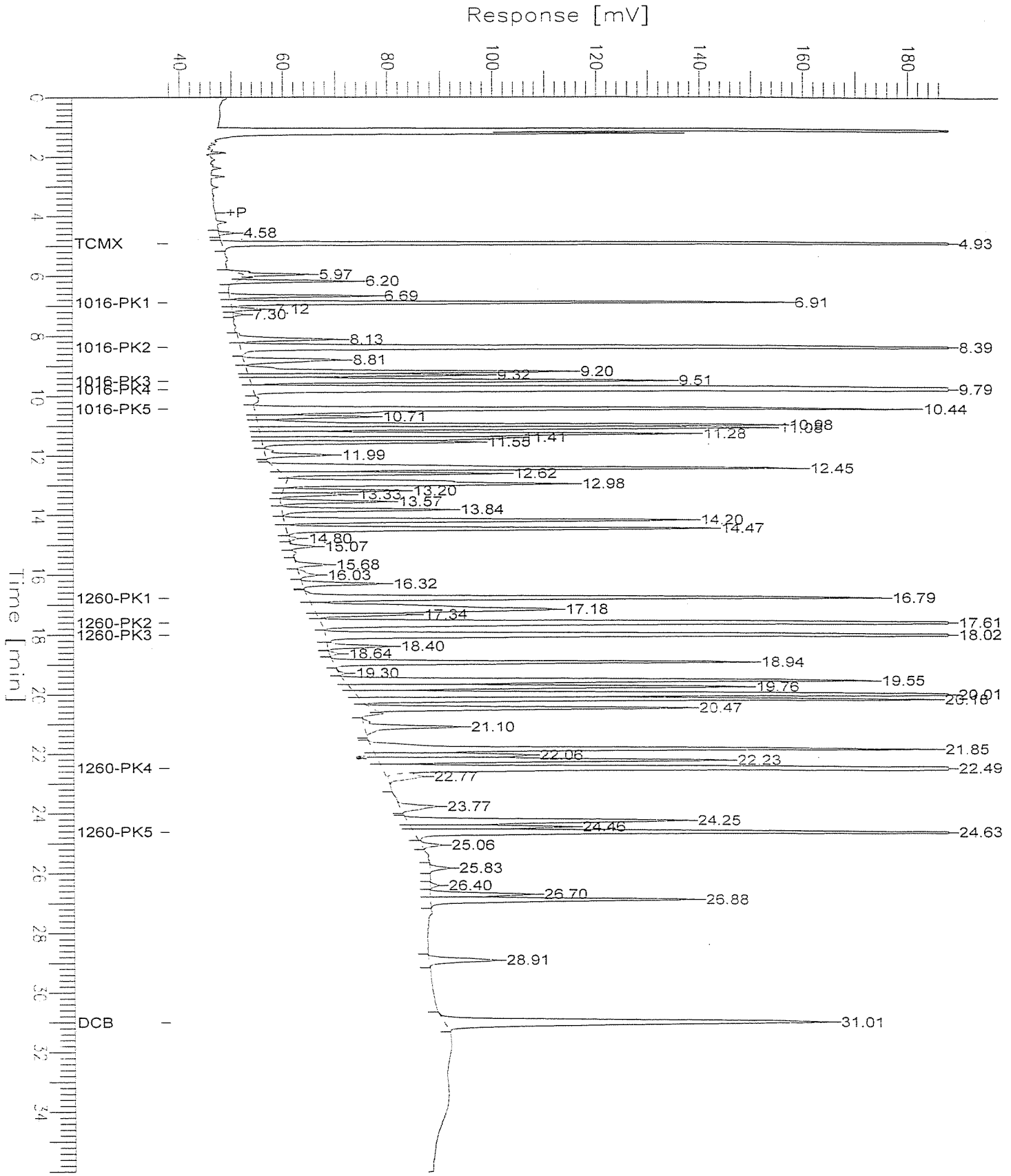
==========

Report stored in ASCII file: C:\TC4\DATA_9\O07A025.TX1

Chromatogram

Sample Name : AR1660 00-111, 0.5UG/ML
FileName : C:\TC4\DATA_9\007A025.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 38 mV

Sample #: .5 PPM 2ND
Date : 10/13/00 09:11 AM
Time of Injection: 10/13/00 08:35 AM
Low Point : 37.81 mV High Point : 187.81 mV
Plot Scale: 150.0 mV



001292

Software Version: 4.1<2F12>
Sample Name : AR1660 00-111, 0.5UG/ML Time : 10/13/00 03:48 PM
Sample Number: .5 PPM 2ND Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 03:12 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A035.RAW
Result File : C:\TC4\DATA_9\O07A035.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A035.RST
Proc Method : C:\TC4\DATA_9\PEST9AQC
Calib Method : C:\TC4\DATA_9\1660_9A
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 66

8082 STD CHECK - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
TCMX	29.579	25	18.32	4.928	4.770	5.086
AROCLOR1016	565.592	500	13.12	9.786	9.786	9.786
AROCLOR1260	498.591	500	-0.28	22.490	22.490	22.490
DCB	24.737	25	-1.05	31.008	30.270	31.746

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High

Group Report For : AROCLOR1016

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
1016-PK1	594.129	0	------	6.907	6.745	7.069
1016-PK2	572.706	0	------	8.392	8.230	8.554
1016-PK3	573.033	0	------	9.512	9.350	9.674
1016-PK4	553.226	0	------	9.786	9.624	9.948
1016-PK5	565.900	0	------	10.439	10.277	10.601

Group Report For : AROCLOR1260

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
1260-PK3	507.646	0	------	18.016	17.803	18.229
1260-PK1	493.758	0	------	16.790	16.577	17.003
1260-PK2	504.554	0	------	17.614	17.401	17.827
1260-PK4	491.485	0	------	22.490	22.277	22.703
1260-PK5	496.110	0	------	24.626	24.413	24.839

Report stored in ASCII file: C:\TC4\DATA_9\O07A035.TX0

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
TCMX	29.58	29.5793	4.928	-0.000	1306331	147.9
	0.07	0.0706	5.972	------	70600	------
	0.10	0.1029	6.197	------	102876	------
	0.14	0.1423	6.690	------	142303	------
	0.03	0.0311	7.120	------	31145	------
	0.13	0.1328	8.131	------	132764	------
	0.15	0.1523	8.806	------	152298	------
	0.40	0.4048	9.201	------	404811	------
	0.25	0.2530	9.317	------	253032	------
AROCLOR1016	565.59	565.5921	9.786	0.000	5542593	------
	0.14	0.1443	10.707	------	144301	------
	0.69	0.6936	10.984	------	693591	------
	0.58	0.5798	11.083	------	579836	------
	0.62	0.6194	11.285	------	619372	------
	0.37	0.3741	11.406	------	374073	------
	0.26	0.2640	11.556	------	264003	------
	0.09	0.0877	11.991	------	87722	------
	0.87	0.8678	12.448	------	867760	------
	0.29	0.2924	12.622	------	292412	------
	0.58	0.5798	12.977	------	579761	------
	0.16	0.1578	13.197	------	157811	------
	0.08	0.0834	13.327	------	83449	------
	0.13	0.1306	13.564	------	130594	------
	0.22	0.2180	13.839	------	217980	------
	0.55	0.5520	14.197	------	552047	------
	0.57	0.5712	14.476	------	571155	------
	0.01	0.0090	14.800	------	9003	------
	0.03	0.0269	15.069	------	26913	------
	0.05	0.0454	15.679	------	45363	------
	0.04	0.0413	16.025	------	41276	------
	0.10	0.1030	16.317	------	102970	------
	0.41	0.4100	17.178	------	410002	------
	0.09	0.0885	18.394	------	88451	------
	0.01	0.0122	18.636	------	12208	------
	0.56	0.5561	18.936	------	556131	------
	0.01	0.0083	19.299	------	8293	------
	0.88	0.8788	19.546	------	878846	------
	0.58	0.5800	19.763	------	580019	------
	1.27	1.2692	20.010	------	1269186	------
	0.78	0.7816	20.177	------	781552	------
	0.44	0.4381	20.474	------	438096	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.18	0.1757	21.102	------	175705	------
	0.88	0.8814	21.849	------	881363	------
	0.26	0.2558	22.054	------	255761	------
	0.57	0.5697	22.233	------	569733	------
AROCLOR1260	498.59	498.5911	22.490	0.000	6335265	------
	0.09	0.0889	22.768	------	88920	------
	0.09	0.0872	23.773	------	87226	------
	0.56	0.5560	24.252	------	555981	------
	0.23	0.2291	24.458	------	229146	------
	0.04	0.0354	25.057	------	35361	------
	0.03	0.0309	25.827	------	30915	------
	0.01	0.0142	26.400	------	14165	------
	0.16	0.1611	26.700	------	161080	------
	0.44	0.4355	26.884	------	435540	------
	0.13	0.1310	28.907	------	130984	------
DCB	24.74	24.7367	31.008	0.006	894039	123.7
	0.16	0.1556	35.251	------	155554	------

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	594.13	594.1290	6.907	0.000	571181	------
1016-PK2	572.71	572.7060	8.392	0.002	1221394	------
1016-PK3	573.03	573.0327	9.512	0.001	573904	------
1016-PK4	553.23	553.2259	9.786	0.002	2261680	------
1016-PK5	565.90	565.8995	10.439	0.001	914435	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	507.65	507.6458	18.016	0.001	1341545	------
1260-PK1	493.76	493.7576	16.790	0.002	795309	------
1260-PK2	504.55	504.5536	17.614	0.002	1357869	------
1260-PK4	491.49	491.4852	22.490	0.005	1901557	------
1260-PK5	496.11	496.1095	24.626	0.001	938986	------

Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

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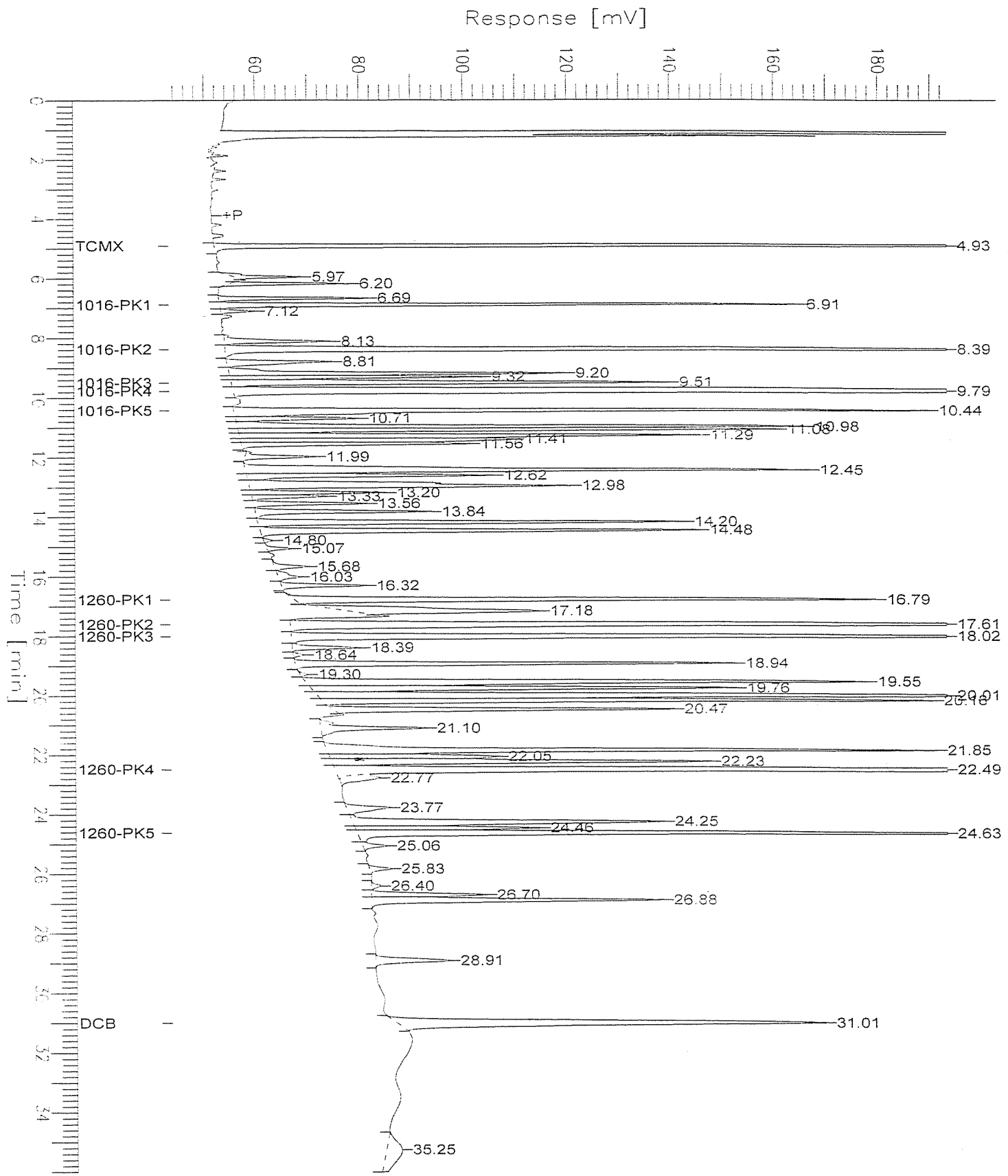
Report stored in ASCII file: C:\TC4\DATA_9\O07A035.TX1

Chromatogram

Sample Name : AR1660 00-111, 0.5UG/ML
FileName : C:\TC4\DATA_9\007A035.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 43 mV

Sample #: .5 PPM 2ND
Date : 10/13/00 03:48 PM
Time of Injection: 10/13/00 03:12 PM
Low Point : 43.21 mV High Point : 193.21 mV
Plot Scale: 150.0 mV



001298

PDE120 Severn Trent Laboratories, Inc. Date 10/13/2000
Page: 1 Data Review Time 16:18:17

Lot/Sample: E0J110000-588B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DM1D4-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 71 QH 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / PCBs (8082) / SW846 / 8082

Analysis Date: 10/13/00
Inject Time..: 9:14 Inject Vol: 1.0 Units: uL
Analyst.....: 018568 Lynne Bidwell
Dil Factor: 1.00 Instr File: O07A026.R
Instr ID: G9A Column: DB608 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 17:16:20
Prep Comments.....:
Analysis Comments...:
Result Units.....:ug/kg

Prep Date....: 10/11/00
QC Batch.....: 0285588
MS Run Number:
Prep Time....: 16:00-17:00
Init Wgt/Vol.: 30 Units: g
Final Wgt/Vol: 10.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2:AC Amt..: 30
Exchange Solv: HEXANE Amt..: 4
Spike....:
Surrogate: PEST1563-2SCS/0.2PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
02082	Aroclor 1016			ND	33	10		
02085	Aroclor 1221			ND	33	10		
02088	Aroclor 1232			ND	33	10		
02091	Aroclor 1242			ND	33	10		
02094	Aroclor 1248			ND	33	10		
02097	Aroclor 1254			ND	33	10		
02100	Aroclor 1260			ND	33	10		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
02732	Decachlorobiphenyl		6.6667	6.8640	102.959485		
02739	Tetrachloro-m-xylene		6.6667	8.3057	124.584877		

Software Version: 4.1<2F12>
Sample Name : 0285588-MB
Sample Number: DM1D41AA B
Operator :

Time : 10/13/00 09:50 AM
Study : ICAL 10/07/00

Instrument : GC-09
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 09:14 AM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A026.RAW
Result File : C:\TC4\DATA_9\O07A026.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A026.RST
Proc Method : C:\TC4\DATA_9\PEST9A
Calib Method : C:\TC4\DATA_9\1660_9A
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 5000.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 5000
Bunch Factor: 1
Multiplier : 10.0000
Divisor : 30.0000
Addend : 0.0000
User1 : 8080
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 9

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.02	0.0056	4.574	------	16815	------
TCMX	24.92	8.3057	4.927	-0.001	1100434	124.6
	0.02	0.0057	6.068	------	17202	------
	0.01	0.0042	9.093	------	12595	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.03	0.0105	11.121	------	31513	------
	0.01	0.0048	19.084	------	14516	------
	0.02	0.0051	20.935	------	15204	------
	0.12	0.0387	25.834	------	116129	------
DCB	20.59	6.8640	31.010	0.008	744235	103.0

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	0.00	0.0000	6.907	------	0	------
1016-PK2	0.00	0.0000	8.390	------	0	------
1016-PK3	0.00	0.0000	9.511	------	0	------
1016-PK4	0.00	0.0000	9.784	------	0	------
1016-PK5	0.00	0.0000	10.438	------	0	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	0.00	0.0000	18.015	------	0	------
1260-PK1	0.00	0.0000	16.788	------	0	------
1260-PK2	0.00	0.0000	17.613	------	0	------
1260-PK4	0.00	0.0000	22.485	------	0	------
1260-PK5	0.00	0.0000	24.625	------	0	------

Capillary GC -

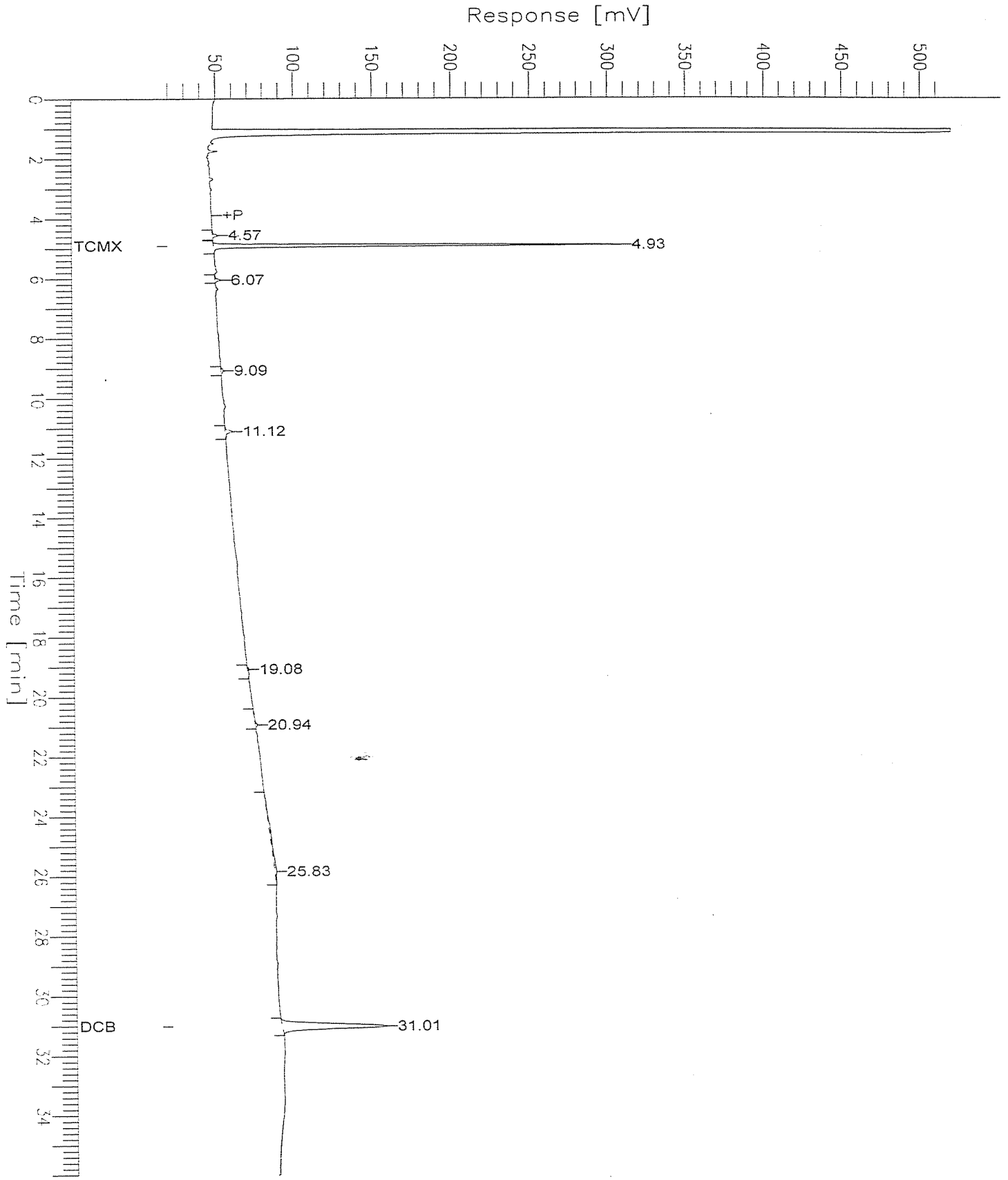
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A026.TX0

Chromatogram

Sample Name : 0285588-MB
FileName : C:\TC4\DATA_9\007A026.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 20 mV

Sample #: DM1D41AA B Page 1 of 1
Date : 10/13/00 09:50 AM
Time of Injection: 10/13/00 09:14 AM
Low Point : 19.68 mV High Point : 519.68 mV
Plot Scale: 500.0 mV



001303

Lot/Sample: E0J110000-588C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DM1D4-1-AC Est. Results: Sig Fig Alg...: A
SAC.....: XX A 71 QH 01 Dry Weight..: Upload.....: Y
Method....: SOLID / PCBs (8082) / SW846 / 8082

Analysis Date: 10/13/00
Inject Time..: 9:54 Inject Vol: 1.0 Units: uL
Analyst.....: 018568 Lynne Bidwell
Dil Factor: 1.00 Instr File: O07A027.R
Instr ID: G9A Column: DB608 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/11 19:55:26
Prep Comments.....:
Analysis Comments...:
Result Units.....:ug/kg

Prep Date....: 10/11/00
QC Batch.....: 0285588
MS Run Number:
Prep Time....: 16:00-16:00
Init Wgt/Vol.: 30 Units: g
Final Wgt/Vol: 10.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2:AC Amt..: 30
Exchange Solv: HEXANE Amt..: 4
Spike....: PCB1563-1DCS/10PPM/1ML
Surrogate: PEST1563-2SCS/0.2PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
02082	Aroclor 1016			333.3333	287.0086	86.1	0		
02100	Aroclor 1260			333.3333	304.3939	91.31	0		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
02732	Decachlorobiphenyl		6.6667	6.7997	101.99499		
02739	Tetrachloro-m-xylene		6.6667	7.8569	117.852910		

Software Version: 4.1<2F12>
Sample Name : 0285588-LCS
Sample Number: DM1D41AC C
Operator :

Time : 10/13/00 04:00 PM
Study : ICAL 10/07/00

Instrument : GC-09
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 09:54 AM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A027.RAW
Result File : C:\TC4\DATA_9\O07A027.rst
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A027.rst
Proc Method : C:\TC4\DATA_9\PEST9AQC.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 5000.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 5000
Bunch Factor: 1
Multiplier : 10.0000
Divisor : 30.0000
Addend : 0.0000
User1 : 8080
User2 :
User3 :
User4 :
User5 :

Instrument Conditions: 1260 mg

Total number of peaks detected: 68 LB 10/13/00

8082 QC - HP 9A - Column: DB608

STL - LOS ANGELES

Units: MG UG / KG L

Component Name	Final Result	Amount Spiked	Percent Recovery
TCMX	7.8569	6.6667	117.85
AROCLOR1016	287.0086	333.3333	86.10

Component Name	Final Result	Amount Spiked	Percent Recovery
AROCLOR1260	304.3939	333.3333	91.32
DCB	6.7997	6.6667	102.00

Group Report For : AROCLOR1016

Component Name	Final Result	Amount Spiked	Percent Recovery
1016-PK1	237.3061	333.3333	71.19
1016-PK2	267.8587	333.3333	80.36
1016-PK3	298.7467	333.3333	89.62
1016-PK4	297.7939	333.3333	89.34
1016-PK5	307.2916	333.3333	92.19

Group Report For : AROCLOR1260

Component Name	Final Result	Amount Spiked	Percent Recovery
1260-PK3	301.8098	333.3333	90.54
1260-PK1	318.4478	333.3333	95.53
1260-PK2	299.2623	333.3333	89.78
1260-PK4	303.0608	333.3333	90.92
1260-PK5	306.0637	333.3333	91.82

Report stored in ASCII file: C:\TC4\DATA_9\O07A027.TX0

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.02	0.0055	4.573	------	16523	------
TCMX	23.57	7.8569	4.929	0.001	1040972	117.9
	0.05	0.0174	5.974	------	52217	------
	0.12	0.0387	6.199	------	115957	------
	0.17	0.0557	6.691	------	167249	------
	0.04	0.0136	7.122	------	40809	------
	0.02	0.0050	7.291	------	15042	------
	0.17	0.0574	8.133	------	172157	------
	0.23	0.0770	8.809	------	231091	------
	0.62	0.2067	9.204	------	620193	------
	0.42	0.1401	9.319	------	420376	------
AROCLOR1016	861.03	287.0086	9.790	0.000	8437734	------
	0.23	0.0760	10.710	------	228073	------
	1.12	0.3726	10.986	------	1117940	------
	0.95	0.3153	11.083	------	945902	------
	1.01	0.3378	11.286	------	1013327	------
	0.62	0.2062	11.405	------	618542	------
	0.45	0.1513	11.560	------	453839	------
	0.16	0.0544	11.995	------	163286	------
	1.47	0.4905	12.451	------	1471466	------
	0.51	0.1713	12.625	------	513829	------
	1.04	0.3468	12.981	------	1040311	------
	0.30	0.1007	13.201	------	301962	------
	0.14	0.0467	13.330	------	140112	------
	0.24	0.0816	13.568	------	244892	------
	0.41	0.1357	13.842	------	407120	------
	0.98	0.3261	14.199	------	978338	------
	1.03	0.3434	14.479	------	1030074	------
	0.02	0.0066	14.803	------	19790	------
	0.06	0.0213	15.073	------	64009	------
	0.08	0.0275	15.682	------	82454	------
	0.06	0.0201	16.031	------	60297	------
	0.20	0.0682	16.322	------	204663	------
	1.14	0.3788	17.180	------	1136256	------
	0.20	0.0678	17.345	------	203342	------
	0.16	0.0536	18.400	------	160757	------
	0.02	0.0078	18.643	------	23323	------
	1.07	0.3559	18.939	------	1067777	------
	0.01	0.0048	19.301	------	14520	------
	1.58	0.5264	19.549	------	1579198	------
	1.08	0.3617	19.766	------	1084966	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	2.34	0.7795	20.012	------	2338604	------
	1.43	0.4774	20.179	------	1432288	------
	0.82	0.2735	20.475	------	820578	------
	0.27	0.0886	21.103	------	265880	------
	1.62	0.5391	21.850	------	1617156	------
	0.48	0.1598	22.060	------	479450	------
	1.05	0.3515	22.234	------	1054510	------
AROCLOR1260	913.18	304.3939	22.491	0.000	11603193	------
	0.15	0.0508	22.770	------	152252	------
	0.15	0.0492	23.773	------	147467	------
	1.00	0.3321	24.254	------	996314	------
	0.42	0.1390	24.459	------	416877	------
	0.06	0.0202	25.058	------	60643	------
	0.06	0.0191	25.824	------	57159	------
	0.02	0.0072	26.403	------	21510	------
	0.32	0.1077	26.701	------	323160	------
	0.80	0.2660	26.885	------	798012	------
	0.25	0.0830	28.906	------	249095	------
DCB	20.40	6.7997	31.009	0.007	737264	102.0

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	711.92	237.3061	6.909	0.002	684420	------
1016-PK2	803.58	267.8587	8.394	0.004	1713764	------
1016-PK3	896.24	298.7467	9.514	0.002	897602	------
1016-PK4	893.38	297.7939	9.790	0.006	3652294	------
1016-PK5	921.87	307.2916	10.442	0.004	1489654	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	905.43	301.8098	18.020	0.005	2392760	------
1260-PK1	955.34	318.4478	16.795	0.006	1538798	------
1260-PK2	897.79	299.2623	17.618	0.005	2416150	------
1260-PK4	909.18	303.0608	22.491	0.006	3517627	------
1260-PK5	918.19	306.0637	24.626	0.001	1737859	------

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Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

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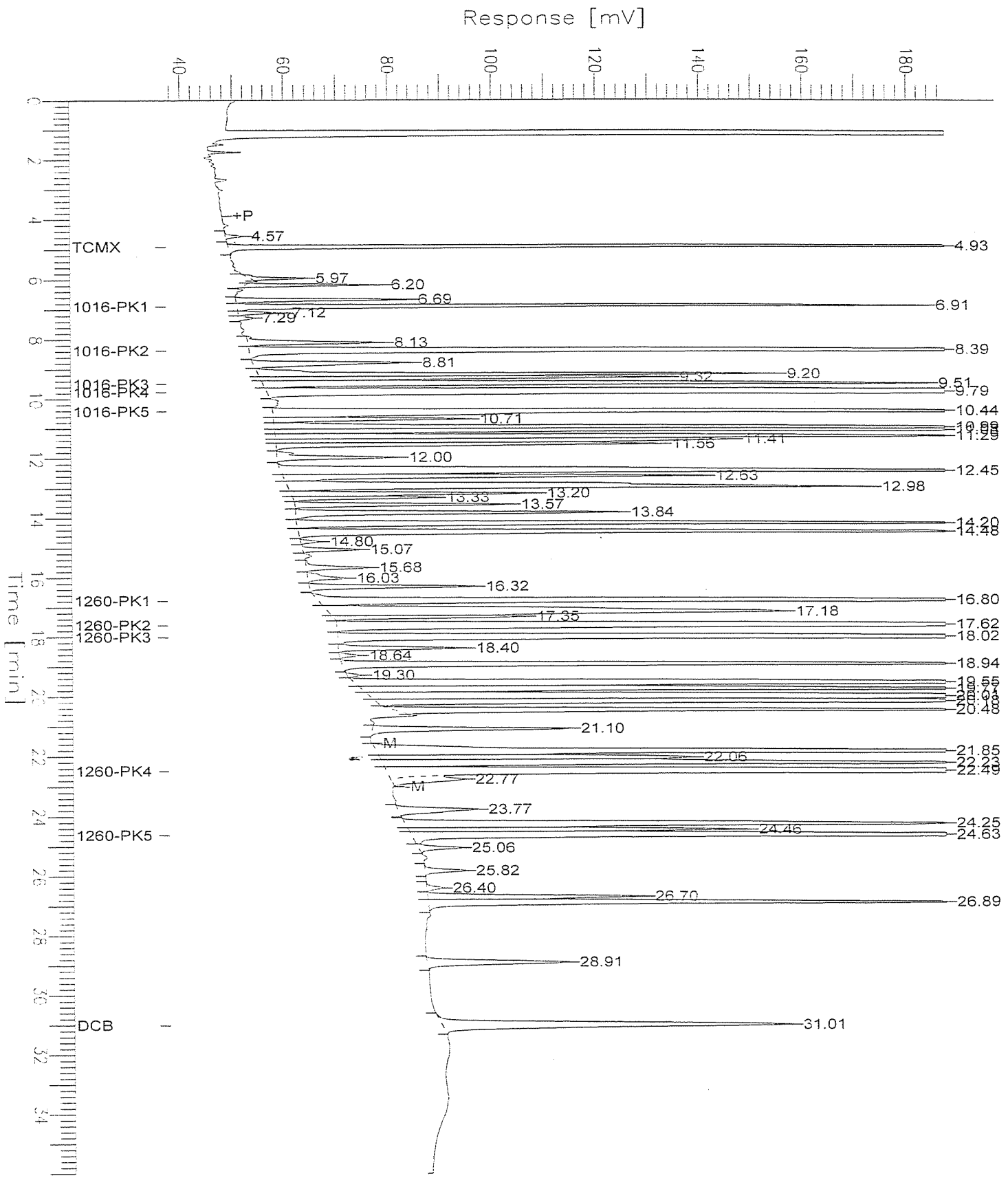
Report stored in ASCII file: C:\TC4\DATA_9\O07A027.TX1

Chromatogram

Sample Name : 0285588-LCS
FileName : C:\TC4\DATA_9\007A027.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 37 mV

Sample #: DM1D41AC C Page 1 of 1
Date : 10/13/00 04:00 PM
Time of Injection: 10/13/00 09:54 AM
Low Point : 37.31 mV High Point : 187.31 mV
Plot Scale: 150.0 mV



001310

Software Version: 4.1<2F12>
Sample Name : 0285588-LCS Time : 10/13/00 10:30 AM
Sample Number: DM1D41AC C Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 09:54 AM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A027.RAW
Result File : C:\TC4\DATA_9\O07A027.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A027.RST
Proc Method : C:\TC4\DATA_9\PEST9AQC
Calib Method : C:\TC4\DATA_9\1660_9A
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 10.0000 Divisor : 30.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 68

8082 QC - HP 9A - Column: DB608

STL - LOS ANGELES

Units: MG UG / KG L

Component Name	Final Result	Amount Spiked	Percent Recovery
TCMX	7.8569	6.6667	117.85
AROCLOR1016	287.0086	333.3333	86.10

Component Name	Final Result	Amount Spiked	Percent Recovery
AROCLOR1260	300.0201	333.3333	90.01
DCB	6.7997	6.6667	102.00

Group Report For : AROCLOR1016

Component Name	Final Result	Amount Spiked	Percent Recovery
1016-PK1	237.3061	333.3333	71.19
1016-PK2	267.8587	333.3333	80.36
1016-PK3	298.7467	333.3333	89.62
1016-PK4	297.7939	333.3333	89.34
1016-PK5	307.2916	333.3333	92.19

Group Report For : AROCLOR1260

Component Name	Final Result	Amount Spiked	Percent Recovery
1260-PK3	301.8098	333.3333	90.54
1260-PK1	318.4478	333.3333	95.53
1260-PK2	299.2623	333.3333	89.78
1260-PK4	288.6965	333.3333	86.61
1260-PK5	306.0637	333.3333	91.82

Report stored in ASCII file: C:\TC4\DATA_9\O07A027.TX0

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.02	0.0055	4.573	------	16523	------
TCMX	23.57	7.8569	4.929	0.001	1040972	117.9
	0.05	0.0174	5.974	------	52217	------
	0.12	0.0387	6.199	------	115957	------
	0.17	0.0557	6.691	------	167249	------
	0.04	0.0136	7.122	------	40809	------
	0.02	0.0050	7.291	------	15042	------
	0.17	0.0574	8.133	------	172157	------
	0.23	0.0770	8.809	------	231091	------
	0.62	0.2067	9.204	------	620193	------
	0.42	0.1401	9.319	------	420376	------
AROCLOR1016	861.03	287.0086	9.790	0.000	8437734	------
	0.23	0.0760	10.710	------	228073	------
	1.12	0.3726	10.986	------	1117940	------
	0.95	0.3153	11.083	------	945902	------
	1.01	0.3378	11.286	------	1013327	------
	0.62	0.2062	11.405	------	618542	------
	0.45	0.1513	11.560	------	453839	------
	0.16	0.0544	11.995	------	163286	------
	1.47	0.4905	12.451	------	1471466	------
	0.51	0.1713	12.625	------	513829	------
	1.04	0.3468	12.981	------	1040311	------
	0.30	0.1007	13.201	------	301962	------
	0.14	0.0467	13.330	------	140112	------
	0.24	0.0816	13.568	------	244892	------
	0.41	0.1357	13.842	------	407120	------
	0.98	0.3261	14.199	------	978338	------
	1.03	0.3434	14.479	------	1030074	------
	0.02	0.0066	14.803	------	19790	------
	0.06	0.0213	15.073	------	64009	------
	0.08	0.0275	15.682	------	82454	------
	0.06	0.0201	16.031	------	60297	------
	0.20	0.0682	16.322	------	204663	------
	1.14	0.3788	17.180	------	1136256	------
	0.20	0.0678	17.345	------	203342	------
	0.16	0.0536	18.400	------	160757	------
	0.02	0.0078	18.643	------	23323	------
	1.07	0.3559	18.939	------	1067777	------
	0.01	0.0048	19.301	------	14520	------
	1.58	0.5264	19.549	------	1579198	------
	1.08	0.3617	19.766	------	1084966	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	2.34	0.7795	20.012	------	2338604	------
	1.43	0.4774	20.179	------	1432288	------
	0.82	0.2735	20.475	------	820578	------
	0.27	0.0886	21.103	------	265880	------
	1.55	0.5177	21.850	------	1552990	------
	0.42	0.1398	22.060	------	419408	------
	0.92	0.3074	22.234	------	922053	------
AROCLOR1260	900.06	300.0201	22.491	0.000	11436468	------
	0.10	0.0343	22.770	------	102753	------
	0.15	0.0492	23.773	------	147467	------
	1.00	0.3321	24.254	------	996314	------
	0.42	0.1390	24.459	------	416877	------
	0.06	0.0202	25.058	------	60643	------
	0.06	0.0191	25.824	------	57159	------
	0.02	0.0072	26.403	------	21510	------
	0.32	0.1077	26.701	------	323160	------
	0.80	0.2660	26.885	------	798012	------
	0.25	0.0830	28.906	------	249095	------
DCB	20.40	6.7997	31.009	0.007	737264	102.0

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	711.92	237.3061	6.909	0.002	684420	------
1016-PK2	803.58	267.8587	8.394	0.004	1713764	------
1016-PK3	896.24	298.7467	9.514	0.002	897602	------
1016-PK4	893.38	297.7939	9.790	0.006	3652294	------
1016-PK5	921.87	307.2916	10.442	0.004	1489654	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	905.43	301.8098	18.020	0.005	2392760	------
1260-PK1	955.34	318.4478	16.795	0.006	1538798	------
1260-PK2	897.79	299.2623	17.618	0.005	2416150	------
1260-PK4	866.09	288.6965	22.491	0.006	3350901	------
1260-PK5	918.19	306.0637	24.626	0.001	1737859	------

==========

Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

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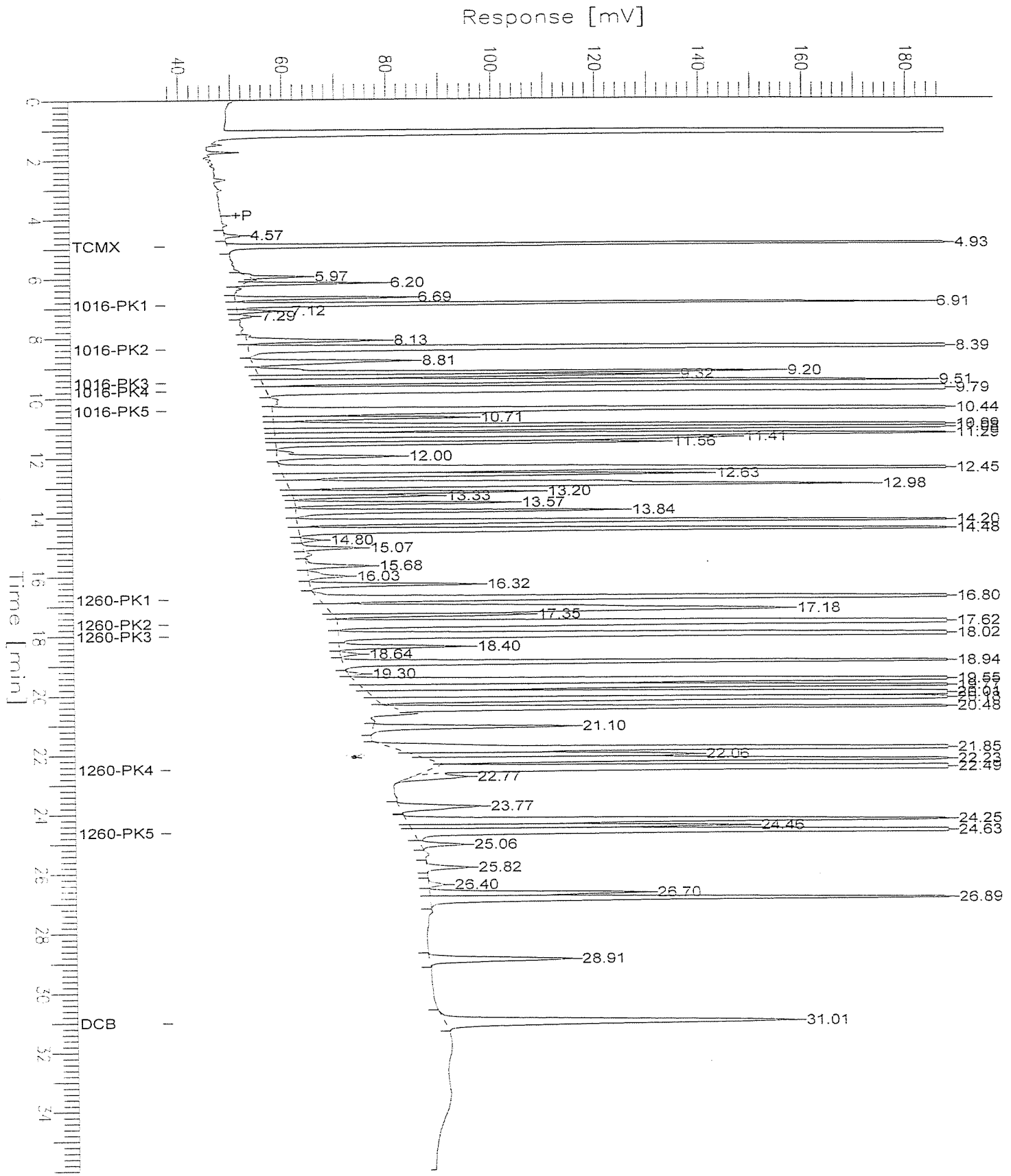
Report stored in ASCII file: C:\TC4\DATA_9\O07A027.TX1

Chromatogram

Sample Name : 0285588-LCS
FileName : C:\TC4\DATA_9\007A027.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 37 mV

Sample #: DM1D41AC C
Date : 10/13/00 10:30 AM
Time of Injection: 10/13/00 09:54 AM
Low Point : 37.31 mV High Point : 187.31 mV
Plot Scale: 150.0 mV



001316

Lot/Sample: E0J110284-008 C-2-124-2 TICs.....: N Report Results: Y
WO#.....: DM090-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 71 QH 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / PCBs (8082) / SW846 / 8082

Analysis Date: 10/13/00
Inject Time..: 13:13 Inject Vol: 1.0 Units: uL
Analyst.....: 018568 Lynne Bidwell
Dil Factor: 1.00 Instr File: O07A032.R
Instr ID: G9A Column: DB608 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 17:18:07
Prep Comments.....:
Analysis Comments...:
Result Units.....:ug/kg

Prep Date....: 10/11/00
QC Batch.....: 0285588
MS Run Number: 0285290
Prep Time....: 16:00-17:00
Init Wgt/Vol.: 30 Units: g
Final Wgt/Vol: 10.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2:AC Amt..: 30
Exchange Solv: HEXANE Amt..: 4
Spike....:
Surrogate: PEST1563-2SCS/0.2PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
02082	Aroclor 1016			ND	33	10		
02085	Aroclor 1221			ND	33	10		
02088	Aroclor 1232			ND	33	10		
02091	Aroclor 1242			ND	33	10		
02094	Aroclor 1248			ND	33	10		
02097	Aroclor 1254			ND	33	10		
02100	Aroclor 1260			ND	33	10		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
02732	Decachlorobiphenyl		6.6667	6.0587	90.8800455		
02739	Tetrachloro-m-xylene		6.6667	7.9922	119.882400		

Software Version: 4.1<2F12>
Sample Name : 284-8 Time : 10/13/00 01:49 PM
Sample Number: DM0901AA Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 01:13 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A032.RAW
Result File : C:\TC4\DATA_9\O07A032.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A032.RST
Proc Method : C:\TC4\DATA_9\PEST9A
Calib Method : C:\TC4\DATA_9\1660_9A
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 10.0000 Divisor : 30.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 31

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.02	0.0071	3.988	------	21184	------
	0.02	0.0056	4.118	------	16856	------
	0.01	0.0043	4.754	------	12897	------
TCMX	23.98	7.9922	4.930	0.002	1058898	119.9

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.02	0.0057	6.070	------	17002	------
	0.30	0.0998	6.470	------	299298	------
	0.01	0.0040	7.904	------	12017	------
	0.01	0.0030	8.738	------	8854	------
	0.02	0.0065	9.076	------	19600	------
AROCLOR1016	0.99	0.3293	10.289	0.000	9681	------
	0.02	0.0054	11.132	------	16159	------
	0.01	0.0046	12.314	------	13736	------
	0.01	0.0040	13.567	------	11867	------
	0.01	0.0042	13.838	------	12476	------
	0.01	0.0029	14.484	------	8742	------
	0.01	0.0033	15.074	------	9836	------
	0.01	0.0033	16.122	------	9871	------
AROCLOR1260	7.97	2.6556	17.513	0.000	101230	------
	0.01	0.0028	19.082	------	8544	------
	0.01	0.0033	19.566	------	9897	------
	0.05	0.0151	20.176	------	45224	------
	0.01	0.0034	20.935	------	10275	------
	0.04	0.0119	21.718	------	35714	------
	0.01	0.0025	22.239	------	7472	------
	0.04	0.0141	24.240	------	42244	------
	0.02	0.0080	25.827	------	24035	------
	0.02	0.0060	26.882	------	17902	------
	0.04	0.0143	28.911	------	42769	------
DCB	18.18	6.0587	31.012	0.010	656919	90.9

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	0.00	0.0000	6.907	------	0	------
1016-PK2	0.00	0.0000	8.390	------	0	------
1016-PK3	0.00	0.0000	9.511	------	0	------
1016-PK4	0.00	0.0000	9.784	------	0	------
1016-PK5	5.99	1.9970	10.289	-0.147	9681	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	0.00	0.0000	18.015	------	0	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK1	0.00	0.0000	16.788	------	0	------
1260-PK2	17.77	5.9241	17.513	-0.100	47830	------
1260-PK4	7.81	2.6036	22.489	0.004	30220	------
1260-PK5	12.25	4.0824	24.461	-0.162	23180	------

Capillary GC -

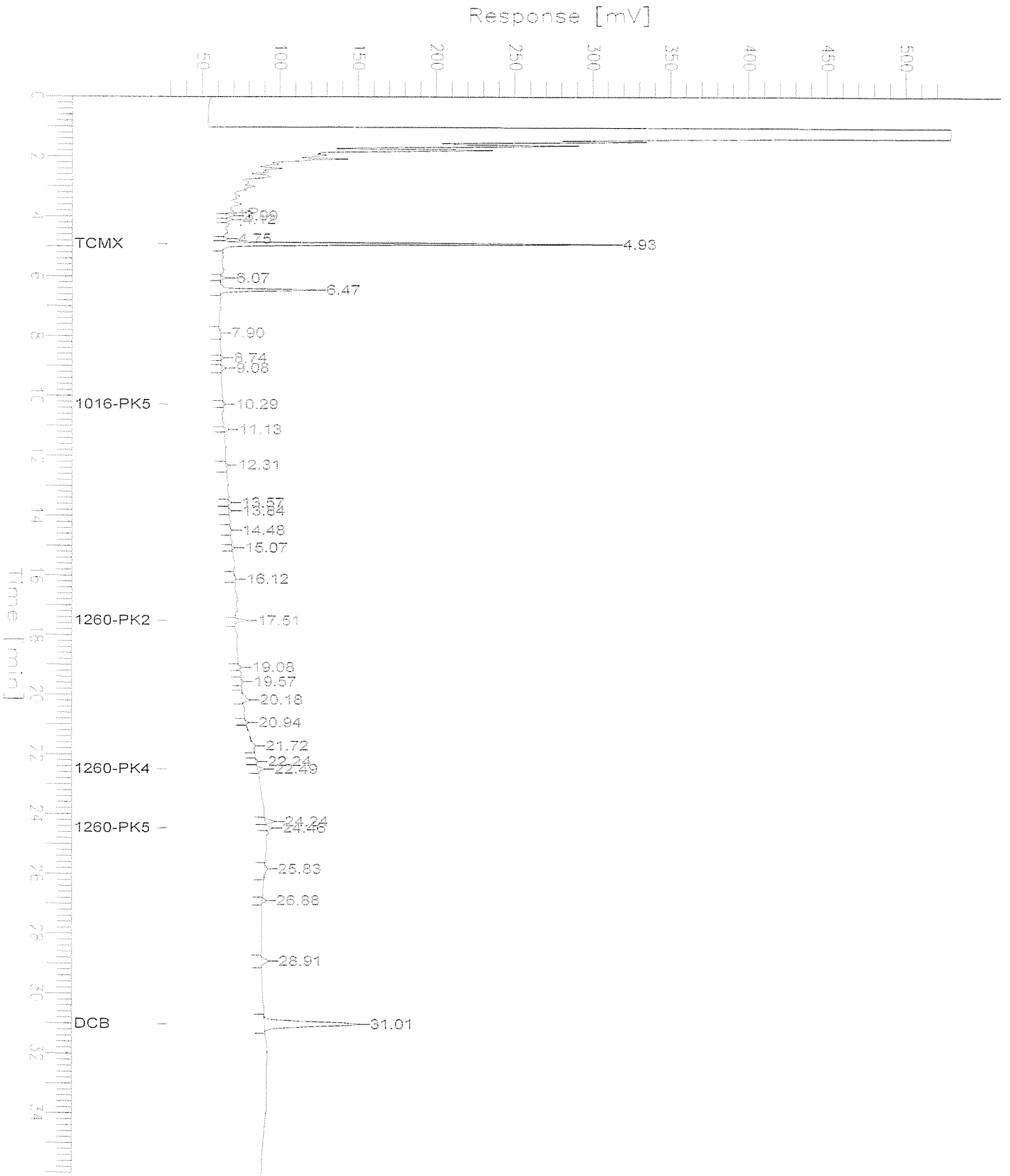
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A032.TX0

Chromatogram

Sample Name : 284-8
FileName : C:\TC4\DATA_9\007A032.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 29 mV

Sample #: DM0901AA Page 1 of 1
Date : 10/13/00 01:49 PM
Time of Injection: 10/13/00 01:13 PM
Low Point : 28.74 mV High Point : 528.74 mV
Plot Scale: 500.0 mV



001321

PDE120 Severn Trent Laboratories, Inc. Date 10/13/2000
Page: 1 Data Review Time 16:18:17

Lot/Sample: E0J100249-001 WDR#63555-SPENT TICs.....: N Report Results: Y
WO#.....: DLW0K-1-05 Est. Results: N Sig Fig Alg...: A
SAC.....: XX A 71 QH 01 Dry Weight..: Y Upload.....: Y
Method....: SOLID / PCBs (8082) / SW846 / 8082

Analysis Date: 10/13/00
Inject Time..: 11:14 Inject Vol: 1.0 Units: uL
Analyst.....: 018568 Lynne Bidwell
Dil Factor: 1.00 Instr File: O07A029.R
Instr ID: G9A Column: DB608 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 17:16:57
Prep Comments.....:
Analysis Comments...:
Result Units.....:ug/kg

Prep Date....: 10/11/00
QC Batch.....: 0285588
MS Run Number: 0285290
Prep Time....: 16:00-17:00
Init Wgt/Vol.: 30 Units: g
Final Wgt/Vol: 10.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2:AC Amt..: 30
Exchange Solv: HEXANE Amt..: 4
Spike....:
Surrogate: PEST1563-2SCS/0.2PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
02082	Aroclor 1016			ND	33	10	DW	
02085	Aroclor 1221			ND	33	10	DW	
02088	Aroclor 1232			ND	33	10	DW	
02091	Aroclor 1242			ND	33	10	DW	
02094	Aroclor 1248			ND	33	10	DW	
02097	Aroclor 1254			ND	33	10	DW	
02100	Aroclor 1260			ND	33	10	DW	

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
02732	Decachlorobiphenyl		6.6667	5.5041	82.5610871		
02739	Tetrachloro-m-xylene		6.6667	6.1717	92.5750371		

Notes:
Results and reporting limits have been adjusted for dry weight.
HIGH SULFUR CONTENT.

Software Version: 4.1<2F12>
Sample Name : 249-1 Time : 10/13/00 11:50 AM
Sample Number: DLW0K105 Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 11:14 AM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A029.RAW
Result File : C:\TC4\DATA_9\O07A029.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A029.RST
Proc Method : C:\TC4\DATA_9\PEST9A
Calib Method : C:\TC4\DATA_9\1660_9A
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 10.0000 Divisor : 30.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 52

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.03	0.0110	3.991	------	32860	------
	0.02	0.0083	4.115	------	24896	------
	0.02	0.0070	4.533	------	21006	------
	0.03	0.0091	4.758	------	27158	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
TCMX	18.52	6.1717	4.931	0.003	817694	92.6
	0.06	0.0191	5.601	------	57372	------
	0.04	0.0126	5.888	------	37949	------
	0.81	0.2708	6.167	------	812438	------
	0.21	0.0701	6.459	------	210229	------
	0.05	0.0152	8.035	------	45722	------
	0.07	0.0239	9.093	------	71732	------
AROCLOR1016	31.43	10.4770	9.799	0.000	308011	------
	0.03	0.0114	10.209	------	34186	------
	0.13	0.0449	11.099	------	134628	------
	0.04	0.0121	11.286	------	36280	------
	1.16	0.3853	11.695	------	1155812	------
	0.15	0.0514	12.457	------	154122	------
	0.09	0.0305	12.657	------	91424	------
	0.16	0.0532	13.001	------	159573	------
	0.07	0.0233	13.173	------	69807	------
	0.14	0.0463	13.346	------	138829	------
	0.31	0.1043	13.571	------	312817	------
	0.23	0.0766	13.843	------	229867	------
	0.25	0.0819	14.191	------	245591	------
	0.27	0.0903	14.486	------	270804	------
	0.15	0.0515	14.836	------	154453	------
	0.28	0.0920	15.078	------	276098	------
	0.23	0.0783	15.708	------	234988	------
	0.02	0.0065	16.039	------	19395	------
	0.08	0.0264	16.323	------	79299	------
	0.21	0.0696	16.614	------	208914	------
	0.41	0.1369	17.125	------	410847	------
AROCLOR1260	520.51	173.5018	17.508	0.000	6613715	------
	0.06	0.0209	19.299	------	62809	------
	0.02	0.0077	19.537	------	23064	------
	0.05	0.0152	20.016	------	45582	------
	0.01	0.0048	21.850	------	14378	------
	0.02	0.0051	24.254	------	15176	------
	0.02	0.0052	26.883	------	15656	------
	0.05	0.0178	29.480	------	53268	------
	0.06	0.0214	30.518	------	64285	------
DCB	16.51	5.5041	31.007	0.005	596788	82.6
	0.01	0.0041	32.541	------	12338	------
	0.01	0.0035	33.172	------	10413	------

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec

1016-PK1	11.31	3.7696	6.870	-0.037	10872	------
1016-PK2	20.37	6.7916	8.402	0.012	43453	------
1016-PK3	70.21	23.4040	9.518	0.006	70319	------
1016-PK4	31.30	10.4323	9.799	0.014	127947	------
1016-PK5	34.30	11.4325	10.508	0.071	55421	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	8.71	2.9022	18.013	-0.002	23009	------
1260-PK1	234.91	78.3021	16.808	0.020	378370	------
1260-PK2	2274.02	758.0062	17.508	-0.104	6119904	------
1260-PK4	17.07	5.6891	22.488	0.003	66033	------
1260-PK5	13.95	4.6494	24.629	0.004	26400	------

Capillary GC -

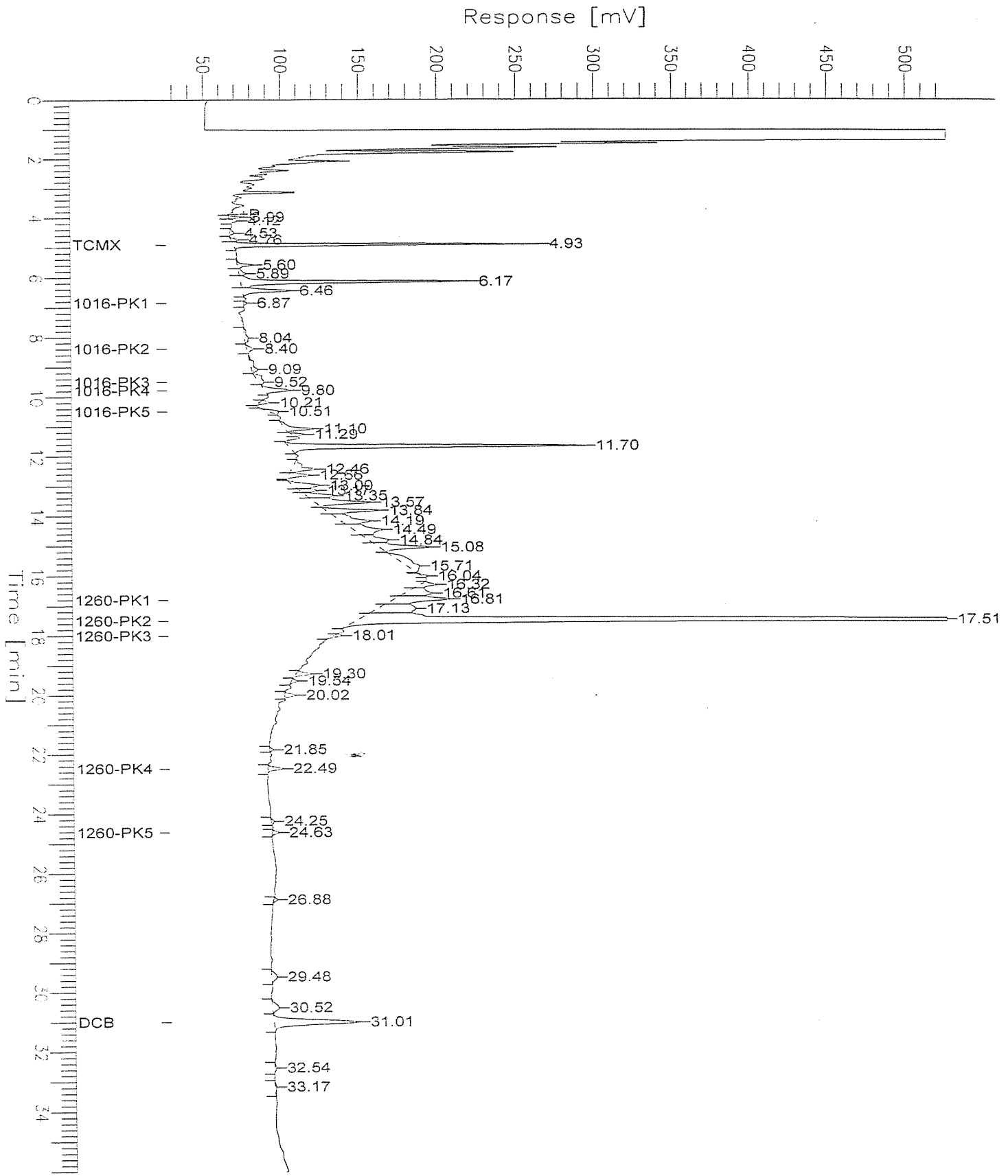
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A029.TX0

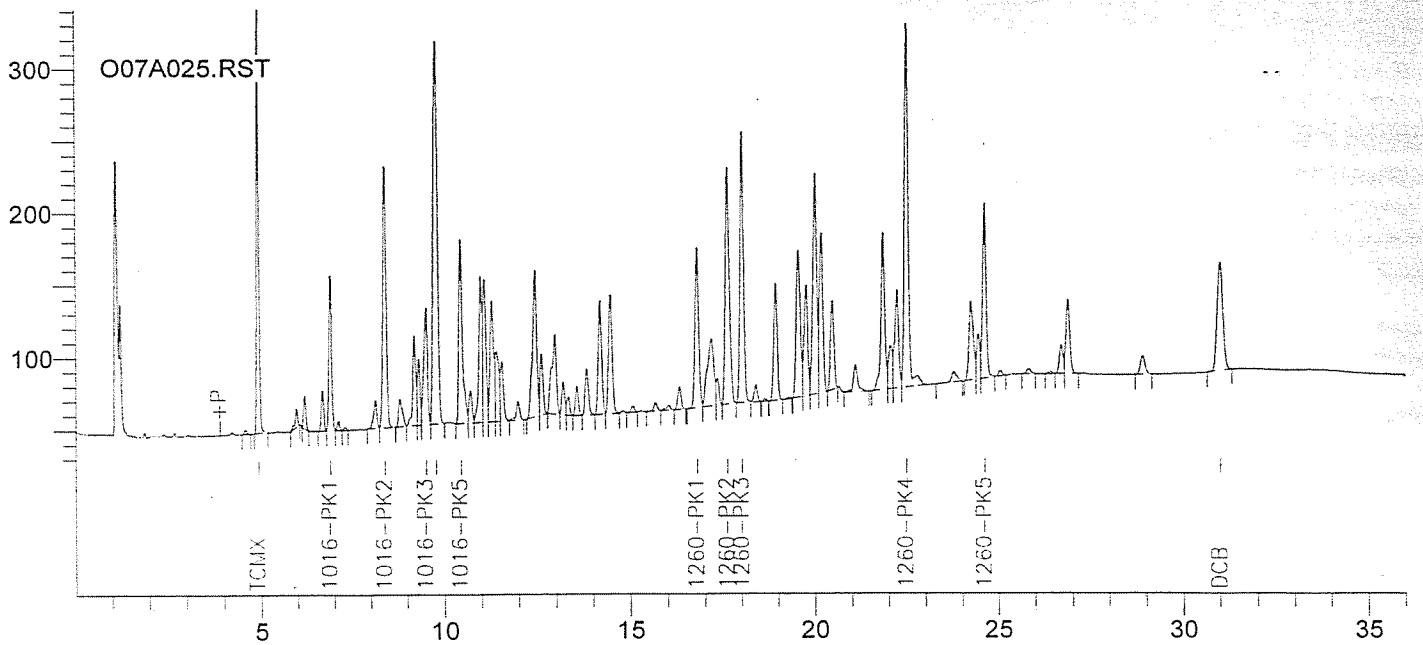
Chromatogram

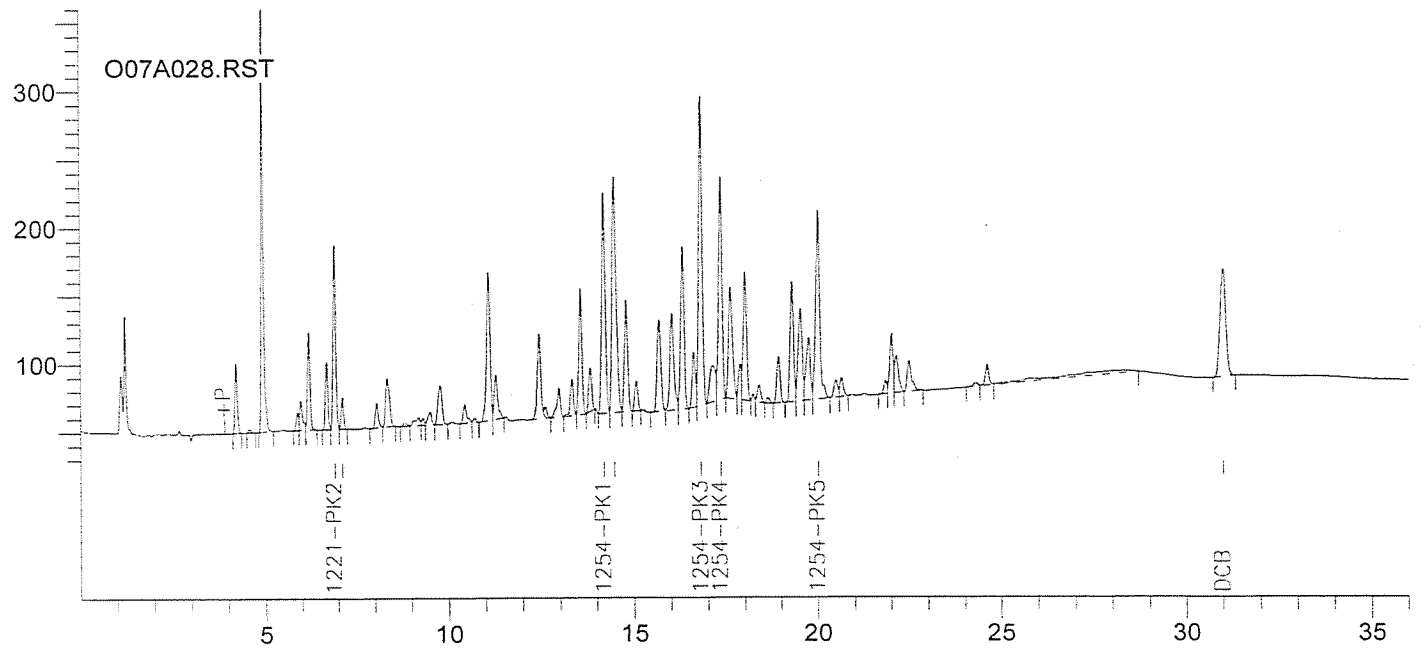
Sample Name : 249-1
FileName : C:\TC4\DATA_9\007A029.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 26 mV

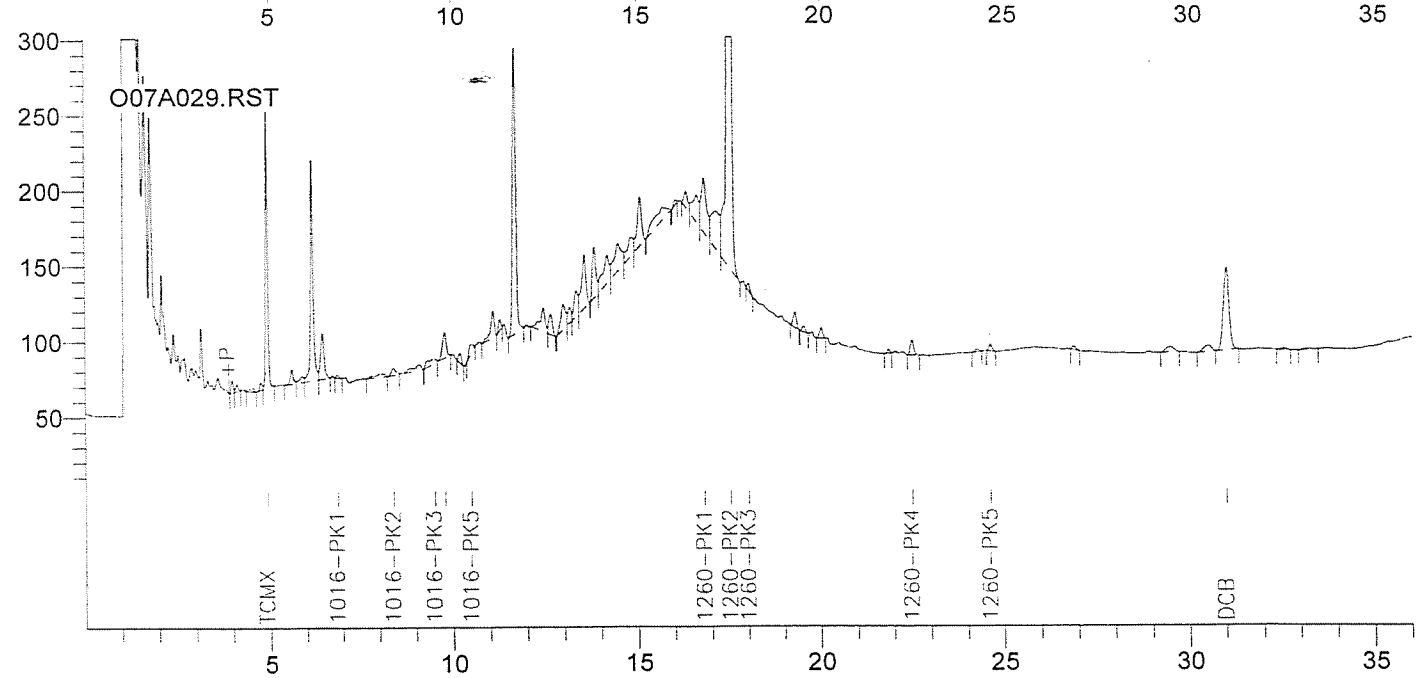
Sample #: DLW0K105 Page 1 of 1
Date : 10/13/00 11:50 AM
Time of Injection: 10/13/00 11:14 AM
Low Point : 26.08 mV High Point : 526.08 mV
Plot Scale: 500.0 mV



001326


O07A025.RST
300
200
100
+P
TCMX
1016--PK1--
1016--PK2--
1016--PK3--
1016--PK5--
1260--PK1--
1260--PK2--
1260--PK3--
1260--PK4--
1260--PK5--
DCB
5
10
15
20
25
30
35


O07A028.RST
300
200
100
+P
1221--PK2--
1254--PK1--
1254--PK3--
1254--PK4--
1254--PK5--
DCB
5
10
15
20
25
30
35


O07A029.RST
300
250
200
150
100
50
+P
TCMX
1016--PK1--
1016--PK2--
1016--PK3--
1016--PK5--
1260--PK1--
1260--PK2--
1260--PK3--
1260--PK4--
1260--PK5--
DCB
5
10
15
20
25
30
35

001327

Plot Title	Start Time	End Time	Scale (mV)	Offset (mV)
O07A025.RST	0.00	36.00	311.73	29.72

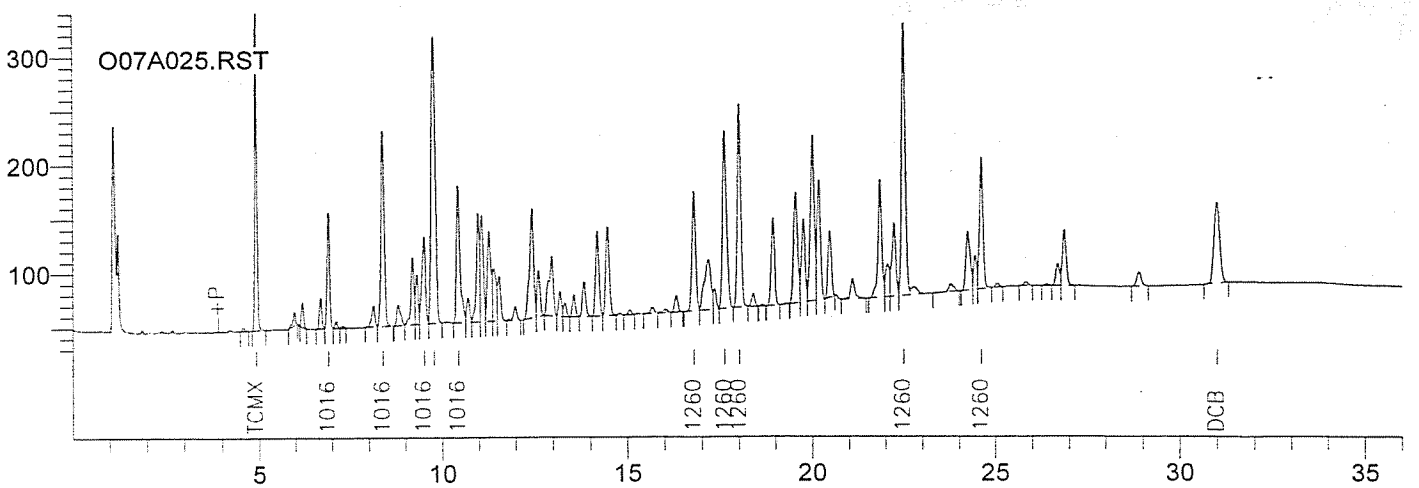
Sample Name : AR1660 00-111, 0.5UG/ML
Sample Number : .5 PPM 2ND
Instrument File Name : C:\TC4\DATA_9\PEST9A

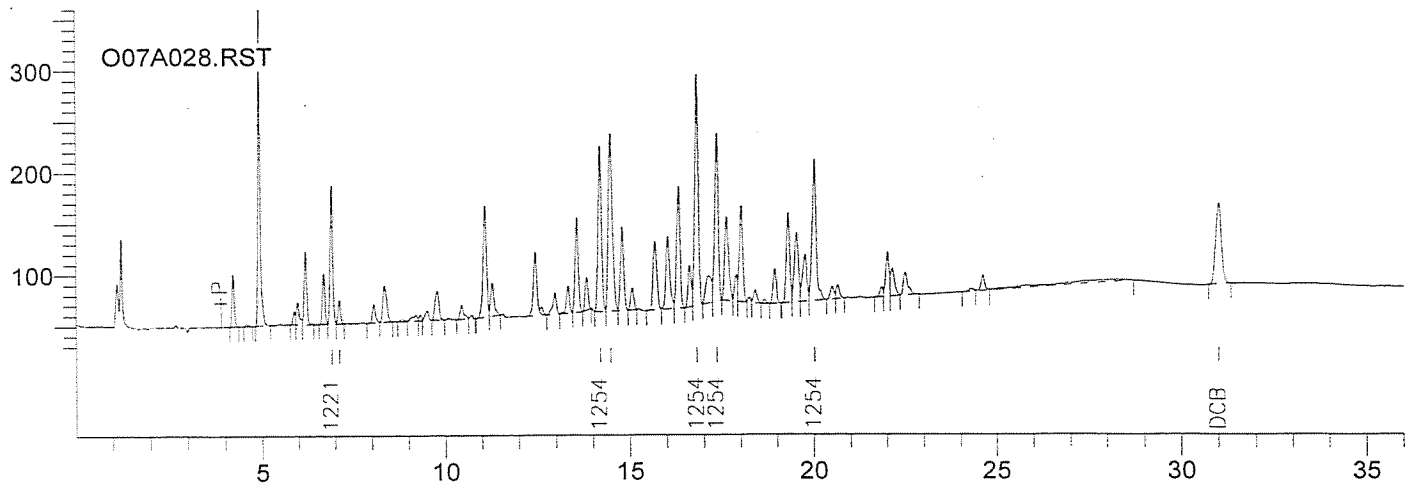
O07A028.RST	0.00	36.00	331.74	28.43

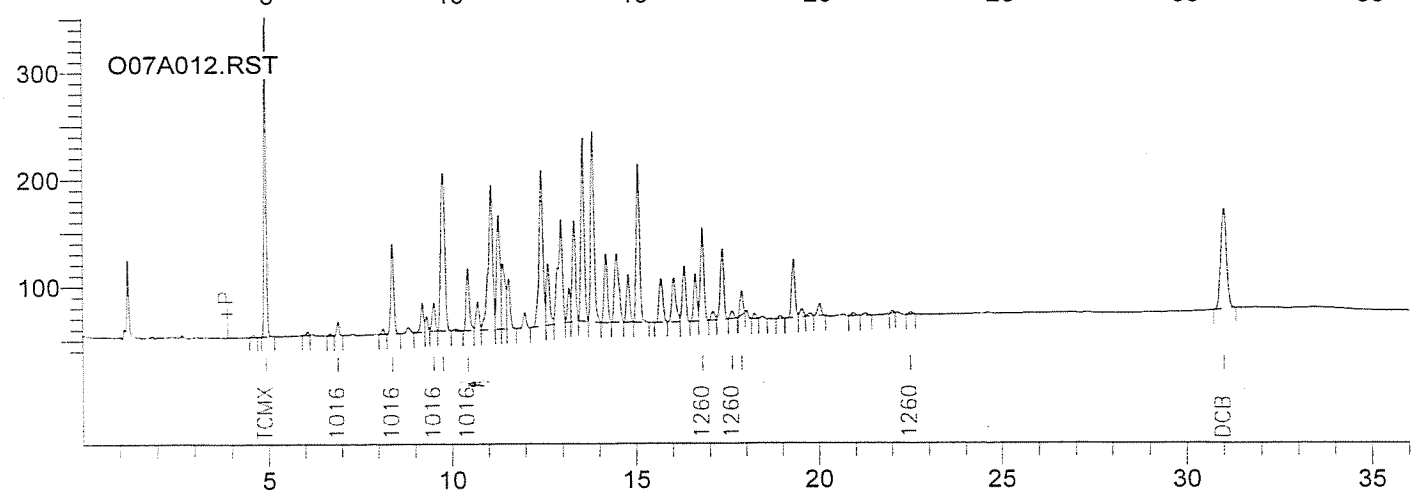
Sample Name : AR2154 00-142, 0.5UG/ML
Sample Number : .5 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

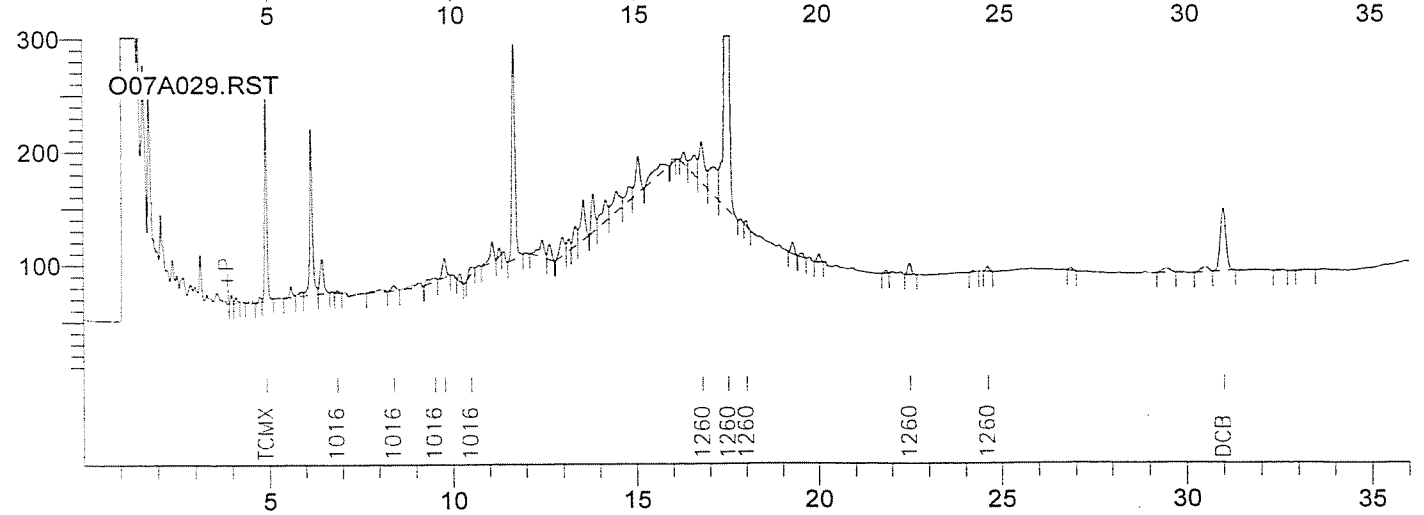
O07A029.RST	0.00	36.00	300.00	1.13

Sample Name : 249-1
Sample Number : DLW0K105
Instrument File Name : C:\TC4\DATA_9\PEST9A


O07A025.RST
300
200
100
+P
TCMX
1016
1016
1016
1016
1260
1260
1260
1260
1260
DCB
5
10
15
20
25
30
35


O07A028.RST
300
200
100
+P
1221
1254
1254
1254
1254
DCB
5
10
15
20
25
30
35


O07A012.RST
300
200
100
+P
TCMX
1016
1016
1016
1016
1260
1260
1260
DCB
5
10
15
20
25
30
35


O07A029.RST
300
200
100
+P
TCMX
1016
1016
1016
1016
1260
1260
1260
1260
1260
DCB
5
10
15
20
25
30
35

Plot Title	Start Time	End Time	Scale (mV)	Offset (mV)
O07A025.RST	0.00	36.00	311.73	29.72

Sample Name : AR1660 00-111, 0.5UG/ML
Sample Number : .5 PPM 2ND
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A028.RST	0.00	36.00	331.74	28.43

Sample Name : AR2154 00-142, 0.5UG/ML
Sample Number : .5 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A012.RST	0.00	36.00	316.16	35.55

Sample Name : AR1248 00-107,0.5UG/ML
Sample Number : .5 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A029.RST	0.00	36.00	300.00	1.13

Sample Name : 249-1
Sample Number : DLW0K105
Instrument File Name : C:\TC4\DATA_9\PEST9A

PDE120S
Page: 1

Severn Trent Laboratories, Inc.
Data Review

Date 10/13/2000
Time 16:18:18

Lot/Sample: E0J100249-001S WDR#63555-SPENT TICs.....: N Report Results: Y
WO#.....: DLW0K-1-1D Est. Results: Sig Fig Alg...: A
SAC.....: XX A 71 QH 01 Dry Weight..: Upload.....: Y
Method....: SOLID / PCBs (8082) / SW846 / 8082

Analysis Date: 10/13/00
Inject Time..: 11:53 Inject Vol: 1.0 Units: uL
Analyst.....: 018568 Lynne Bidwell
Dil Factor: 1.00 Instr File: O07A030.R
Instr ID: G9A Column: DB608 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/11 17:20:39
Prep Comments.....:
Analysis Comments...:
Result Units.....:ug/kg

Prep Date....: 10/11/00
QC Batch.....: 0285588
MS Run Number: 0285290
Prep Time....: 16:00-16:00
Init Wgt/Vol.: 30 Units: g
Final Wgt/Vol: 10.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2:AC Amt..: 30
Exchange Solv: HEXANE Amt..: 4
Spike....: PCB1563-1DCS/10PPM/1ML
Surrogate: PEST1563-2SCS/0.2PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
02082	Aroclor 1016			333.3333	276.4729	82.94	7.44	DW	
	Sample amount: ND								
02100	Aroclor 1260			333.3333	411.4067	123.4	15.31	DW	
	Sample amount: ND								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
02732	Decachlorobiphenyl		6.6667	6.6037	99.0550047		
02739	Tetrachloro-m-xylene		6.6667	6.9102	103.652481		

Notes:

Results and reporting limits have been adjusted for dry weight.
HIGH SULFUR CONTENT.

Software Version: 4.1<2F12>
Sample Name : 249-1S
Sample Number: DL20K11D S
Operator :

Time : 10/13/00 04:00 PM
Study : ICAL 10/07/00

Instrument : GC-09
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 11:53 AM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A030.RAW
Result File : C:\TC4\DATA_9\O07A030.rst
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A030.rst
Proc Method : C:\TC4\DATA_9\PEST9AQC.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 10.0000 Divisor : 30.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Baselines
10/13/00

Total number of peaks detected: 77

8082 QC - HP 9A - Column: DB608

STL - LOS ANGELES

Units: MG UG / KG L

Component Name	Final Result	Amount Spiked	Percent Recovery
TCMX	6.9102	6.6667	103.65
AROCLOR1016	276.4729	333.3333	82.94

Component Name	Final Result	Amount Spiked	Percent Recovery
AROCLOR1260	411.4067	333.3333	123.42
DCB	6.6037	6.6667	99.06

Group Report For : AROCLOR1016

Component Name	Final Result	Amount Spiked	Percent Recovery
1016-PK1	279.2947	333.3333	83.79
1016-PK2	271.7245	333.3333	81.52
1016-PK3	267.9026	333.3333	80.37
1016-PK4	279.2531	333.3333	83.78
1016-PK5	279.3389	333.3333	83.80

Group Report For : AROCLOR1260

Component Name	Final Result	Amount Spiked	Percent Recovery
1260-PK3	269.2611	333.3333	80.78
1260-PK1	269.5380	333.3333	80.86
1260-PK2	900.0678	333.3333	270.02
1260-PK4	282.3920	333.3333	84.72
1260-PK5	299.5115	333.3333	89.85

Report stored in ASCII file: C:\TC4\DATA_9\O07A030.TXO

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.06	0.0188	3.990	------	56282	------
	0.04	0.0119	4.114	------	35574	------
	0.04	0.0118	4.534	------	35449	------
	0.05	0.0177	4.757	------	52962	------
TCMX	20.73	6.9102	4.930	0.002	915534	103.7
	0.06	0.0195	5.601	------	58387	------
	0.18	0.0592	5.978	------	177679	------
	1.01	0.3354	6.170	------	1006147	------
	0.05	0.0154	6.468	------	46053	------
	0.17	0.0579	6.694	------	173764	------
	0.06	0.0217	7.117	------	64980	------
	0.26	0.0862	8.135	------	258715	------
	0.18	0.0608	8.811	------	182279	------
	0.49	0.1629	9.204	------	488777	------
	0.34	0.1126	9.320	------	337758	------
AROCLOR1016	829.42	276.4729	9.791	0.000	8127995	------
	0.04	0.0119	10.203	------	35702	------
	0.27	0.0893	10.712	------	267890	------
	1.03	0.3431	10.987	------	1029388	------
	0.92	0.3054	11.085	------	916259	------
	0.91	0.3032	11.288	------	909575	------
	0.55	0.1841	11.405	------	552259	------
	0.24	0.0784	11.566	------	235107	------
	1.36	0.4534	11.692	------	1360220	------
	0.09	0.0284	11.999	------	85266	------
	1.27	0.4226	12.452	------	1267887	------
	0.46	0.1521	12.631	------	456422	------
	0.87	0.2908	12.984	------	872491	------
	0.27	0.0887	13.198	------	266181	------
	0.25	0.0845	13.337	------	253587	------
	0.49	0.1630	13.571	------	489054	------
	0.56	0.1861	13.842	------	558377	------
	1.02	0.3397	14.200	------	1019202	------
	1.09	0.3622	14.481	------	1086738	------
	0.23	0.0763	14.824	------	228845	------
	0.45	0.1495	15.078	------	448637	------
	0.49	0.1622	15.692	------	486486	------
	0.27	0.0915	16.034	------	274523	------
	0.26	0.0858	16.325	------	257322	------
	0.56	0.1883	17.179	------	564894	------
	0.04	0.0117	17.350	------	35228	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
AROCLOR1260	1234.22	411.4067	17.492	0.000	15682413	------
	0.11	0.0380	18.400	------	113860	------
	0.97	0.3234	18.938	------	970324	------
	0.15	0.0509	19.303	------	152798	------
	1.42	0.4725	19.550	------	1417528	------
	0.99	0.3295	19.766	------	988605	------
	2.22	0.7409	20.014	------	2222619	------
	1.32	0.4409	20.180	------	1322844	------
	0.76	0.2545	20.476	------	763556	------
	0.24	0.0786	21.104	------	235843	------
	1.48	0.4946	21.851	------	1483754	------
	0.47	0.1554	22.055	------	466212	------
	0.85	0.2825	22.236	------	847380	------
	0.09	0.0315	22.773	------	94383	------
	0.14	0.0482	23.772	------	144518	------
	0.97	0.3233	24.254	------	969883	------
	0.40	0.1331	24.461	------	399385	------
	0.06	0.0186	25.059	------	55786	------
	0.06	0.0197	25.828	------	58984	------
	0.02	0.0061	26.398	------	18221	------
	0.32	0.1052	26.701	------	315492	------
	0.79	0.2637	26.885	------	791204	------
	0.24	0.0802	28.905	------	240726	------
	0.05	0.0171	29.475	------	51391	------
	0.09	0.0305	30.513	------	91581	------
DCB	19.81	6.6037	31.008	0.006	716018	99.1
	0.02	0.0054	32.536	------	16138	------
	0.01	0.0038	33.163	------	11332	------

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	837.88	279.2947	6.911	0.003	805521	------
1016-PK2	815.17	271.7245	8.395	0.004	1738497	------
1016-PK3	803.71	267.9026	9.516	0.004	804929	------
1016-PK4	837.76	279.2531	9.791	0.007	3424900	------
1016-PK5	838.02	279.3389	10.447	0.009	1354149	------

Group Report For : AROCLOR1260

Component	Raw	Final	Time	Time Diff	Area	Surrogate

Name	Amount	Result (ppb)	[min]	[min]	[uV*sec]	% Rec
1260-PK3	807.78	269.2611	18.020	0.005	2134712	------
1260-PK1	808.61	269.5380	16.798	0.009	1302457	------
1260-PK2	2700.20	900.0678	17.492	-0.120	7266864	------
1260-PK4	847.18	282.3920	22.490	0.005	3277725	------
1260-PK5	898.53	299.5115	24.627	0.002	1700655	------

Capillary GC -

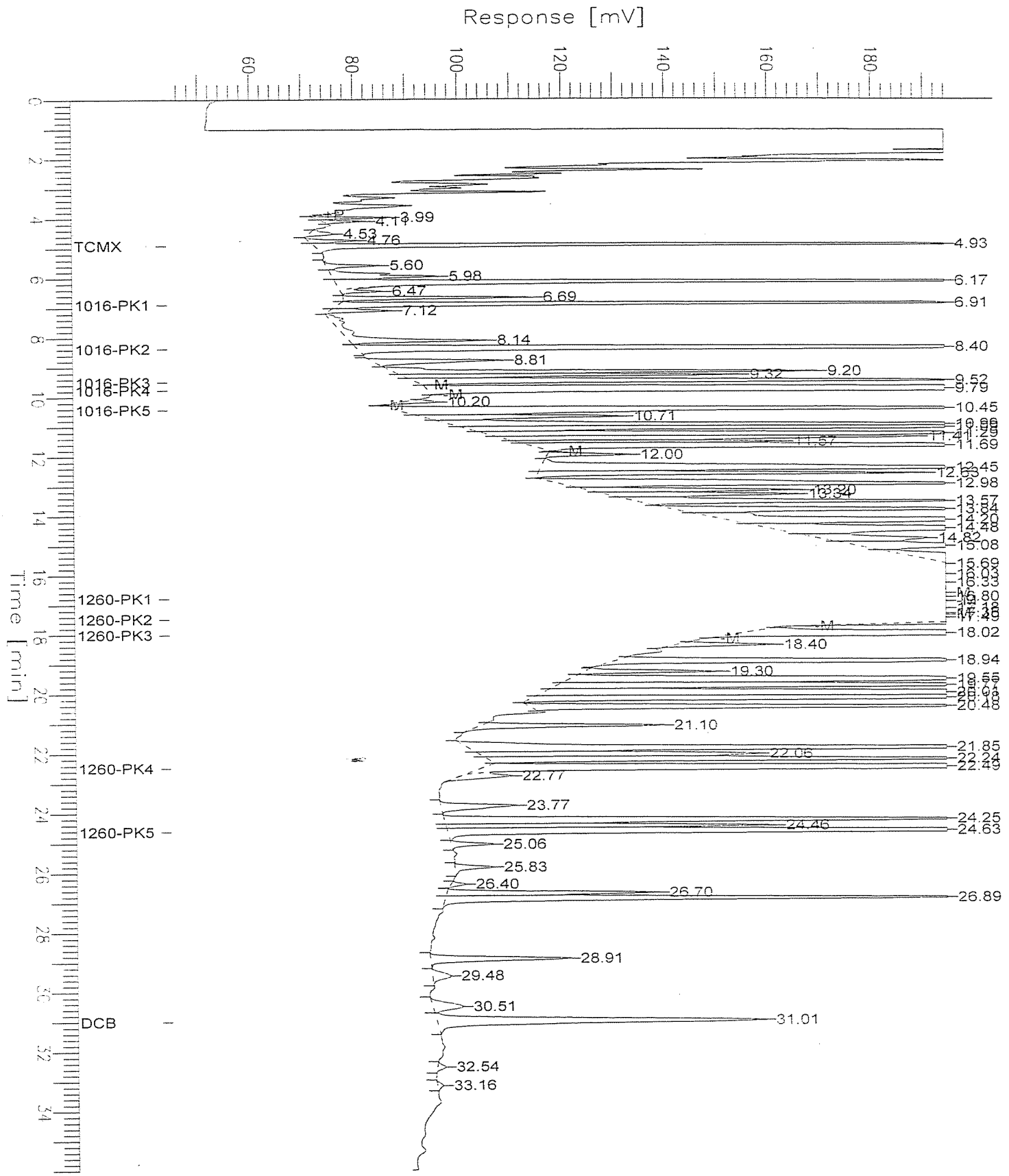
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A030.TX1

Chromatogram

Sample Name : 249-1S
FileName : C:\TC4\DATA_9\007A030.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 44 mV

Sample #: DL20K11D S Page 1 of 1
Date : 10/13/00 04:01 PM
Time of Injection: 10/13/00 11:53 AM
Low Point : 44.04 mV High Point : 194.04 mV
Plot Scale: 150.0 mV



001337

Software Version: 4.1<2F12>
Sample Name : 249-1S Time : 10/13/00 12:29 PM
Sample Number: DL20K11D S Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 11:53 AM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A030.RAW
Result File : C:\TC4\DATA_9\O07A030.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A030.RST
Proc Method : C:\TC4\DATA_9\PEST9AQC
Calib Method : C:\TC4\DATA_9\1660_9A
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 10.0000 Divisor : 30.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 78

Dly

8082 QC - HP 9A - Column: DB608

STL - LOS ANGELES

Units: MG UG / KG L

Component Name	Final Result	Amount Spiked	Percent Recovery
TCMX	6.9102	6.6667	103.65
AROCLOR1016	280.5743	333.3333	84.17

Component Name	Final Result	Amount Spiked	Percent Recovery
AROCLOR1260	515.2077	333.3333	154.56
DCB	6.6037	6.6667	99.06

Group Report For : AROCLOR1016

Component Name	Final Result	Amount Spiked	Percent Recovery
1016-PK1	279.2947	333.3333	83.79
1016-PK2	271.7245	333.3333	81.52
1016-PK3	267.9026	333.3333	80.37
1016-PK4	285.4626	333.3333	85.64
1016-PK5	288.5024	333.3333	86.55

Group Report For : AROCLOR1260

Component Name	Final Result	Amount Spiked	Percent Recovery
1260-PK3	329.6467	333.3333	98.89
1260-PK1	589.5406	333.3333	176.86
1260-PK2	1139.3317	333.3333	341.80
1260-PK4	282.3920	333.3333	84.72
1260-PK5	299.5115	333.3333	89.85

Report stored in ASCII file: C:\TC4\DATA_9\O07A030.TX0

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.06	0.0188	3.990	------	56282	------
	0.04	0.0119	4.114	------	35574	------
	0.04	0.0118	4.534	------	35449	------
	0.05	0.0177	4.757	------	52962	------
TCMX	20.73	6.9102	4.930	0.002	915534	103.7
	0.06	0.0195	5.601	------	58387	------
	0.18	0.0592	5.978	------	177679	------
	1.01	0.3354	6.170	------	1006147	------
	0.05	0.0154	6.468	------	46053	------
	0.17	0.0579	6.694	------	173764	------
	0.06	0.0217	7.117	------	64980	------
	0.26	0.0862	8.135	------	258715	------
	0.18	0.0608	8.811	------	182279	------
	0.49	0.1629	9.204	------	488777	------
	0.34	0.1126	9.320	------	337758	------
AROCLOR1016	841.72	280.5743	9.791	0.000	8248574	------
	0.10	0.0342	10.203	------	102662	------
	0.33	0.1114	10.712	------	334215	------
	1.15	0.3821	10.987	------	1146164	------
	1.03	0.3448	11.085	------	1034389	------
	1.05	0.3508	11.288	------	1052315	------
	0.70	0.2339	11.405	------	701768	------
	0.33	0.1089	11.566	------	326781	------
	1.69	0.5640	11.692	------	1691964	------
	0.41	0.1370	11.999	------	411092	------
	1.74	0.5806	12.452	------	1741769	------
	0.67	0.2228	12.631	------	668453	------
	1.20	0.3984	12.984	------	1195261	------
	0.48	0.1602	13.198	------	480646	------
	0.50	0.1663	13.337	------	498802	------
	0.98	0.3255	13.571	------	976488	------
	1.07	0.3565	13.842	------	1069373	------
	1.92	0.6398	14.200	------	1919525	------
	2.11	0.7045	14.481	------	2113497	------
	1.06	0.3541	14.824	------	1062326	------
	1.49	0.4980	15.078	------	1494072	------
	3.05	1.0180	15.692	------	3053972	------
	2.17	0.7221	16.034	------	2166363	------
	1.60	0.5323	16.325	------	1596772	------
	1.27	0.4228	16.624	------	1268278	------
	2.43	0.8092	17.179	------	2427727	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.70	0.2329	17.350	------	698715	------
AROCLOR1260	1545.62	515.2077	17.492	0.000	19639205	------
	0.22	0.0739	18.400	------	221708	------
	0.97	0.3234	18.938	------	970324	------
	0.15	0.0509	19.303	------	152798	------
	1.42	0.4725	19.550	------	1417528	------
	0.99	0.3295	19.766	------	988605	------
	2.22	0.7409	20.014	------	2222619	------
	1.32	0.4409	20.180	------	1322844	------
	0.76	0.2545	20.476	------	763556	------
	0.24	0.0786	21.104	------	235843	------
	1.48	0.4946	21.851	------	1483754	------
	0.47	0.1554	22.055	------	466212	------
	0.85	0.2825	22.236	------	847380	------
	0.09	0.0315	22.773	------	94383	------
	0.14	0.0482	23.772	------	144518	------
	0.97	0.3233	24.254	------	969883	------
	0.40	0.1331	24.461	------	399385	------
	0.06	0.0186	25.059	------	55786	------
	0.06	0.0197	25.828	------	58984	------
	0.02	0.0061	26.398	------	18221	------
	0.32	0.1052	26.701	------	315492	------
	0.79	0.2637	26.885	------	791204	------
	0.24	0.0802	28.905	------	240726	------
	0.05	0.0171	29.475	------	51391	------
	0.09	0.0305	30.513	------	91581	------
DCB	19.81	6.6037	31.008	0.006	716018	99.1
	0.02	0.0054	32.536	------	16138	------
	0.01	0.0038	33.163	------	11332	------

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	837.88	279.2947	6.911	0.003	805521	------
1016-PK2	815.17	271.7245	8.395	0.004	1738497	------
1016-PK3	803.71	267.9026	9.516	0.004	804929	------
1016-PK4	856.39	285.4626	9.791	0.007	3501057	------
1016-PK5	865.51	288.5024	10.447	0.009	1398570	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	988.94	329.6467	18.020	0.005	2613452	------
1260-PK1	1768.62	589.5406	16.798	0.009	2848768	------
1260-PK2	3418.00	1139.3317	17.492	-0.120	9198606	------
1260-PK4	847.18	282.3920	22.490	0.005	3277725	------
1260-PK5	898.53	299.5115	24.627	0.002	1700655	------

Capillary GC -

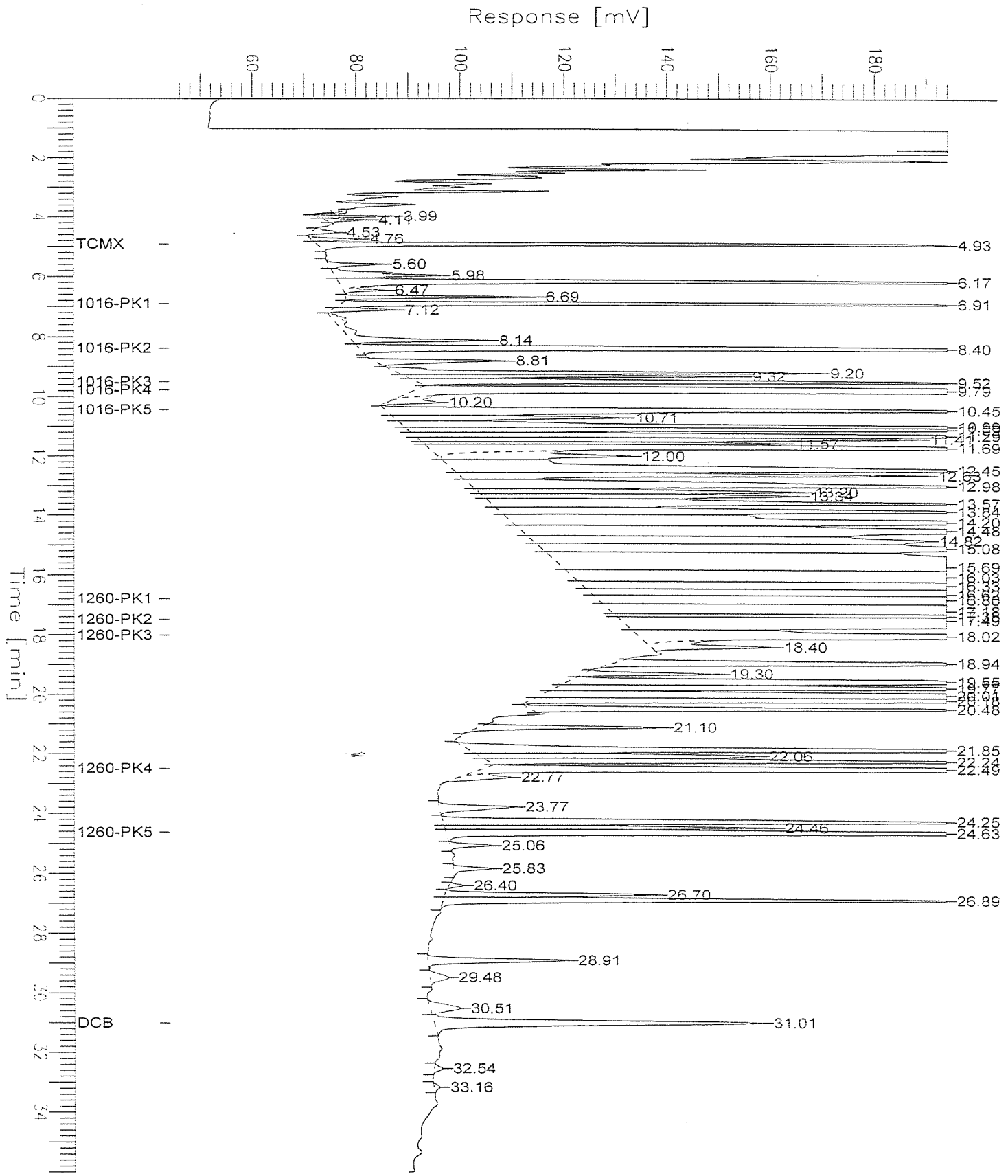
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A030.TX1

Chromatogram

Sample Name : 249-1S
FileName : C:\TC4\DATA_9\007A030.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 44 mV

Sample #: DL20K11D S
Date : 10/13/00 12:29 PM
Time of Injection: 10/13/00 11:53 AM
Low Point : 44.04 mV High Point : 194.04 mV
Plot Scale: 150.0 mV



001343

Lot/Sample: E0J100249-001D WDR#63555-SPENT TICs.....: N Report Results: Y
WO#.....: DLW0K-1-1E Est. Results: Sig Fig Alg...: A
SAC.....: XX A 71 QH 01 Dry Weight..: Upload.....: Y
Method....: SOLID / PCBs (8082) / SW846 / 8082

Analysis Date: 10/13/00
Inject Time..: 12:33 Inject Vol: 1.0 Units: uL
Analyst.....: 018568 Lynne Bidwell
Dil Factor: 1.00 Instr File: O07A031.R
Instr ID: G9A Column: DB608 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/11 17:20:41
Prep Comments.....:
Analysis Comments...:
Result Units.....:ug/kg

Prep Date....: 10/11/00
QC Batch.....: 0285588
MS Run Number: 0285290
Prep Time....: 16:00-16:00
Init Wgt/Vol.: 30 Units: g
Final Wgt/Vol: 10.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2:AC Amt..: 30
Exchange Solv: HEXANE Amt..: 4
Spike....: PCB1563-1DCS/10PPM/1ML
Surrogate: PEST1563-2SCS/0.2PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
02082	Aroclor 1016			333.3333	297.8514	89.35	7.44	DW	
	Sample amount: ND								
02100	Aroclor 1260			333.3333	479.6121	143.8	15.31	a DW	a
	Sample amount: ND								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
02732	Decachlorobiphenyl		6.6667	7.2613	108.918955		a
02739	Tetrachloro-m-xylene		6.6667	7.9115	118.671906		a

Notes:

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

HIGH SULFUR CONTENT; MATRIX INTERFERENCE WITH AR1260.

Software Version: 4.1<2F12>
Sample Name : 249-1D Time : 10/13/00 04:01 PM
Sample Number: DLW0K11E D Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 12:33 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A031.RAW
Result File : C:\TC4\DATA_9\O07A031.rst
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A031.rst
Proc Method : C:\TC4\DATA_9\PEST9AQC.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 10.0000 Divisor : 30.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Baselines
B 10,31 N

Total number of peaks detected: 80

8082 QC - HP 9A - Column: DB608

STL - LOS ANGELES

Units: MG UG / KG L

Component Name	Final Result	Amount Spiked	Percent Recovery
TCMX	7.9115	6.6667	118.67
AROCLOR1016	297.8514	333.3333	89.36

001345

Component Name	Final Result	Amount Spiked	Percent Recovery
AROCLOR1260	479.6121	333.3333	143.88
DCB	7.2613	6.6667	108.92

Group Report For : AROCLOR1016

Component Name	Final Result	Amount Spiked	Percent Recovery
1016-PK1	307.4814	333.3333	92.24
1016-PK2	299.5377	333.3333	89.86
1016-PK3	294.9503	333.3333	88.49
1016-PK4	307.3869	333.3333	92.22
1016-PK5	267.5700	333.3333	80.27

Group Report For : AROCLOR1260

Component Name	Final Result	Amount Spiked	Percent Recovery
1260-PK3	297.2236	333.3333	89.17
1260-PK1	296.0505	333.3333	88.82
1260-PK2	1082.5512	333.3333	324.77
1260-PK4	328.8016	333.3333	98.64
1260-PK5	341.4500	333.3333	102.44

Report stored in ASCII file: C:\TC4\DATA_9\O07A031.TX0

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.06	0.0214	3.990	------	64207	------
	0.04	0.0137	4.114	------	41005	------
	0.04	0.0142	4.534	------	42629	------
	0.06	0.0206	4.758	------	61911	------
TCMX	23.73	7.9115	4.930	0.002	1048201	118.7
	0.08	0.0254	5.600	------	76106	------
	0.08	0.0258	5.882	------	77487	------
	0.13	0.0427	5.979	------	128171	------
	1.19	0.3976	6.170	------	1192697	------
	0.05	0.0171	6.468	------	51191	------
	0.20	0.0667	6.694	------	200060	------
	0.07	0.0236	7.117	------	70745	------
	0.03	0.0084	7.494	------	25213	------
	0.21	0.0692	8.135	------	207499	------
	0.20	0.0675	8.811	------	202598	------
	0.54	0.1784	9.203	------	535335	------
	0.37	0.1225	9.320	------	367426	------
AROCLOR1016	893.55	297.8514	9.791	0.000	8756499	------
	0.07	0.0247	10.242	------	74189	------
	0.16	0.0527	10.712	------	158060	------
	1.03	0.3418	10.987	------	1025347	------
	0.93	0.3113	11.085	------	933827	------
	1.00	0.3323	11.287	------	996863	------
	0.61	0.2036	11.403	------	610739	------
	0.27	0.0910	11.566	------	273142	------
	1.81	0.6019	11.693	------	1805798	------
	0.17	0.0567	11.999	------	170053	------
	1.53	0.5100	12.452	------	1530016	------
	0.52	0.1744	12.631	------	523348	------
	0.98	0.3268	12.983	------	980397	------
	0.31	0.1044	13.197	------	313081	------
	0.29	0.0969	13.336	------	290708	------
	0.54	0.1816	13.569	------	544922	------
	0.62	0.2056	13.841	------	616915	------
	1.14	0.3784	14.198	------	1135284	------
	1.21	0.4018	14.480	------	1205367	------
	0.27	0.0906	14.825	------	271913	------
	0.57	0.1898	15.076	------	569342	------
	2.14	0.7127	15.566	------	2138005	------
	0.18	0.0588	16.030	------	176433	------
	0.33	0.1104	16.320	------	331191	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	1.17	0.3911	17.173	------	1173257	------
	0.39	0.1302	17.348	------	390558	------
AROCLOR1260	1438.84	479.6121	17.475	0.000	18282335	------
	0.13	0.0418	18.398	------	125391	------
	1.08	0.3588	18.934	------	1076252	------
	0.10	0.0319	19.297	------	95588	------
	1.55	0.5171	19.545	------	1551387	------
	1.09	0.3647	19.763	------	1094160	------
	2.48	0.8263	20.008	------	2478915	------
	1.46	0.4878	20.175	------	1463355	------
	1.09	0.3628	20.474	------	1088437	------
	0.49	0.1628	20.666	------	488276	------
	0.36	0.1190	21.097	------	357025	------
	1.71	0.5715	21.847	------	1714496	------
	0.52	0.1744	22.053	------	523256	------
	1.10	0.3681	22.231	------	1104367	------
	0.15	0.0498	22.769	------	149427	------
	0.16	0.0541	23.770	------	162280	------
	1.10	0.3675	24.249	------	1102482	------
	0.46	0.1537	24.458	------	461116	------
	0.11	0.0362	25.055	------	108713	------
	0.45	0.1505	25.824	------	451427	------
	0.05	0.0167	26.397	------	50204	------
	0.35	0.1160	26.701	------	348073	------
	0.92	0.3068	26.883	------	920442	------
	0.27	0.0907	28.905	------	272163	------
	0.06	0.0188	29.472	------	56342	------
	0.10	0.0340	30.515	------	102016	------
DCB	21.78	7.2613	31.004	0.001	787317	108.9
	0.05	0.0158	31.886	------	47392	------
	0.01	0.0036	33.159	------	10804	------

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	922.44	307.4814	6.911	0.003	886814	------
1016-PK2	898.61	299.5377	8.394	0.004	1916446	------
1016-PK3	884.85	294.9503	9.515	0.004	886196	------
1016-PK4	922.16	307.3869	9.791	0.007	3769947	------
1016-PK5	802.71	267.5700	10.447	0.009	1297096	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	891.67	297.2236	18.017	0.002	2356400	------
1260-PK1	888.15	296.0505	16.793	0.004	1430570	------
1260-PK2	3247.65	1082.5512	17.475	-0.137	8740178	------
1260-PK4	986.40	328.8016	22.488	0.002	3816401	------
1260-PK5	1024.35	341.4500	24.624	-0.001	1938786	------

Capillary GC -

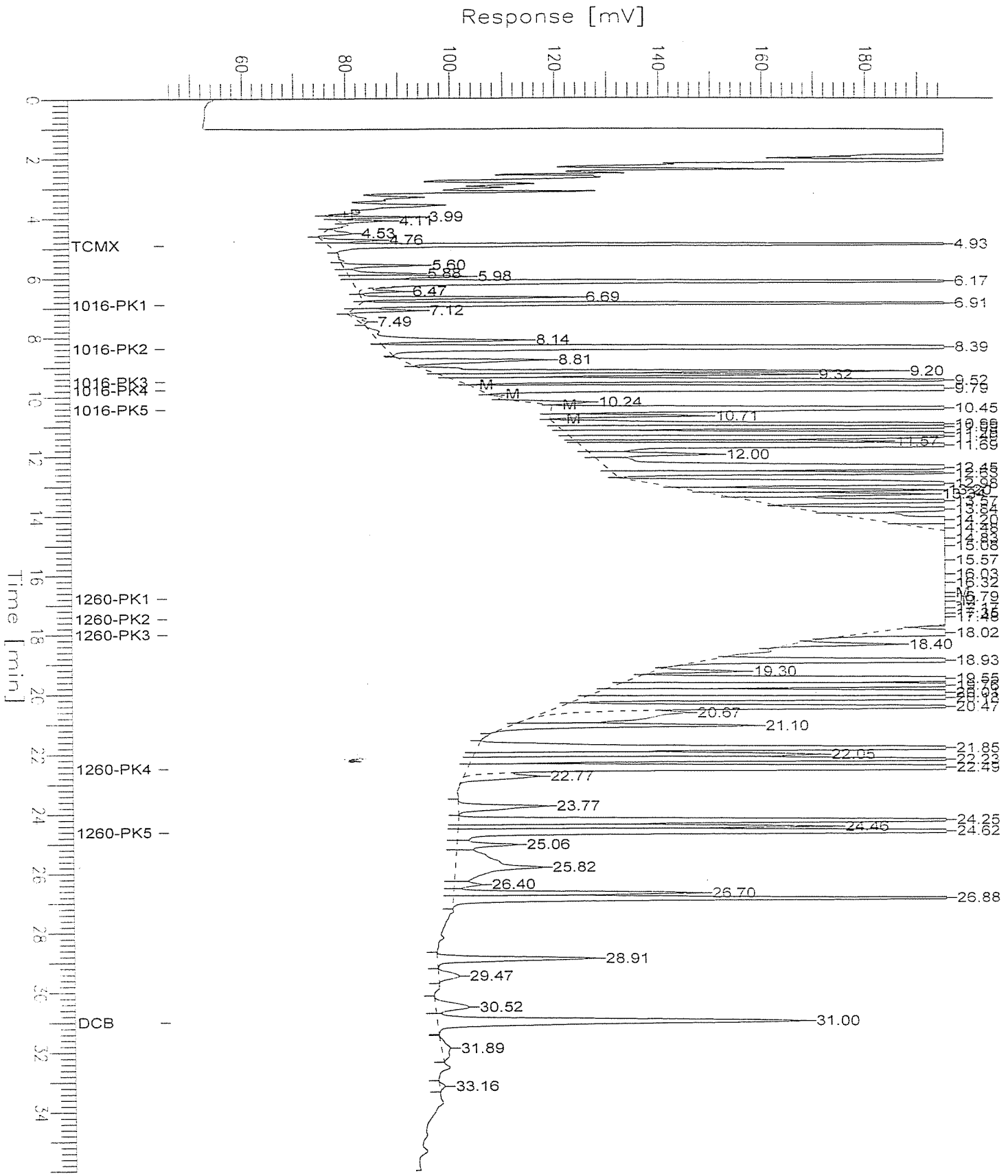
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A031.TX1

Chromatogram

Sample Name : 249-1D
FileName : C:\TC4\DATA_9\007A031.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 45 mV

Sample #: DLW0K11E D Page 1 of 1
Date : 10/13/00 04:01 PM
Time of Injection: 10/13/00 12:33 PM
Low Point : 44.98 mV High Point : 194.98 mV
Plot Scale: 150.0 mV



001350

Software Version: 4.1<2F12>
Sample Name : 249-1D
Sample Number: DLW0K11E D
Operator :

Time : 10/13/00 01:09 PM
Study : ICAL 10/07/00

Instrument : GC-09
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2351570991 Data Acquisition Time: 10/13/00 12:33 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A031.RAW
Result File : C:\TC4\DATA_9\O07A031.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A031.RST
Proc Method : C:\TC4\DATA_9\PEST9AQC
Calib Method : C:\TC4\DATA_9\1660_9A
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 5000.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 5000
Bunch Factor: 1
Multiplier : 10.0000
Divisor : 30.0000
Addend : 0.0000
User1 : 8080
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 81

Dry

8082 QC - HP 9A - Column: DB608

STL - LOS ANGELES

Units: MG UG / KG L

Component Name	Final Result	Amount Spiked	Percent Recovery
TCMX	7.9115	6.6667	118.67
AROCLOR1016	309.0847	333.3333	92.73

Component Name	Final Result	Amount Spiked	Percent Recovery
AROCLOR1260	490.2806	333.3333	147.08
DCB	7.2613	6.6667	108.92

Group Report For : AROCLOR1016

Component Name	Final Result	Amount Spiked	Percent Recovery
1016-PK1	307.4814	333.3333	92.24
1016-PK2	299.5377	333.3333	89.86
1016-PK3	310.6618	333.3333	93.20
1016-PK4	314.3132	333.3333	94.29
1016-PK5	308.4334	333.3333	92.53

Group Report For : AROCLOR1260

Component Name	Final Result	Amount Spiked	Percent Recovery
1260-PK3	297.2236	333.3333	89.17
1260-PK1	359.1847	333.3333	107.76
1260-PK2	1095.1350	333.3333	328.54
1260-PK4	328.8016	333.3333	98.64
1260-PK5	341.4500	333.3333	102.44

Report stored in ASCII file: C:\TC4\DATA_9\O07A031.TXO

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.06	0.0214	3.990	------	64207	------
	0.04	0.0137	4.114	------	41005	------
	0.04	0.0142	4.534	------	42629	------
	0.06	0.0206	4.758	------	61911	------
TCMX	23.73	7.9115	4.930	0.002	1048201	118.7
	0.08	0.0254	5.600	------	76106	------
	0.08	0.0258	5.882	------	77487	------
	0.13	0.0427	5.979	------	128171	------
	1.19	0.3976	6.170	------	1192697	------
	0.05	0.0171	6.468	------	51191	------
	0.20	0.0667	6.694	------	200060	------
	0.07	0.0236	7.117	------	70745	------
	0.03	0.0084	7.494	------	25213	------
	0.21	0.0692	8.135	------	207499	------
	0.21	0.0689	8.811	------	206646	------
	0.55	0.1848	9.203	------	554315	------
	0.39	0.1287	9.320	------	386038	------
AROCLOR1016	927.25	309.0847	9.791	0.000	9086747	------
	0.24	0.0786	10.242	------	235877	------
	0.25	0.0830	10.712	------	249105	------
	1.11	0.3714	10.987	------	1114263	------
	0.99	0.3298	11.085	------	989256	------
	1.06	0.3526	11.287	------	1057801	------
	0.66	0.2183	11.403	------	655027	------
	0.30	0.0985	11.566	------	295580	------
	1.84	0.6149	11.693	------	1844767	------
	0.23	0.0777	11.999	------	233215	------
	1.57	0.5248	12.452	------	1574304	------
	0.53	0.1762	12.631	------	528578	------
	0.98	0.3268	12.983	------	980397	------
	0.31	0.1044	13.197	------	313081	------
	0.29	0.0969	13.336	------	290708	------
	0.54	0.1816	13.569	------	544922	------
	0.62	0.2056	13.841	------	616915	------
	1.14	0.3784	14.198	------	1135284	------
	1.21	0.4018	14.480	------	1205367	------
	0.27	0.0906	14.825	------	271913	------
	0.57	0.1898	15.076	------	569342	------
	2.14	0.7127	15.566	------	2138005	------
	0.18	0.0588	16.030	------	176433	------
	0.33	0.1104	16.320	------	331191	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.14	0.0477	16.619	------	143070	------
	1.43	0.4752	17.173	------	1425749	------
	0.44	0.1476	17.348	------	442860	------
AROCLOR1260	1470.84	490.2806	17.475	0.000	18689009	------
	0.13	0.0418	18.398	------	125391	------
	1.08	0.3588	18.934	------	1076252	------
	0.10	0.0319	19.297	------	95588	------
	1.55	0.5171	19.545	------	1551387	------
	1.09	0.3647	19.763	------	1094160	------
	2.48	0.8263	20.008	------	2478915	------
	1.46	0.4878	20.175	------	1463355	------
	1.09	0.3628	20.474	------	1088437	------
	0.49	0.1628	20.666	------	488276	------
	0.36	0.1190	21.097	------	357025	------
	1.71	0.5715	21.847	------	1714496	------
	0.52	0.1744	22.053	------	523256	------
	1.10	0.3681	22.231	------	1104367	------
	0.15	0.0498	22.769	------	149427	------
	0.16	0.0541	23.770	------	162280	------
	1.10	0.3675	24.249	------	1102482	------
	0.46	0.1537	24.458	------	461116	------
	0.11	0.0362	25.055	------	108713	------
	0.45	0.1505	25.824	------	451427	------
	0.05	0.0167	26.397	------	50204	------
	0.35	0.1160	26.701	------	348073	------
	0.92	0.3068	26.883	------	920442	------
	0.27	0.0907	28.905	------	272163	------
	0.06	0.0188	29.472	------	56342	------
	0.10	0.0340	30.515	------	102016	------
DCB	21.78	7.2613	31.004	0.001	787317	108.9
	0.05	0.0158	31.886	------	47392	------
	0.01	0.0036	33.159	------	10804	------

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	922.44	307.4814	6.911	0.003	886814	------
1016-PK2	898.61	299.5377	8.394	0.004	1916446	------
1016-PK3	931.99	310.6618	9.515	0.004	933402	------
1016-PK4	942.94	314.3132	9.791	0.007	3854895	------
1016-PK5	925.30	308.4334	10.447	0.009	1495190	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	891.67	297.2236	18.017	0.002	2356400	------
1260-PK1	1077.55	359.1847	16.793	0.004	1735646	------
1260-PK2	3285.41	1095.1350	17.475	-0.137	8841776	------
1260-PK4	986.40	328.8016	22.488	0.002	3816401	------
1260-PK5	1024.35	341.4500	24.624	-0.001	1938786	------

Capillary GC -

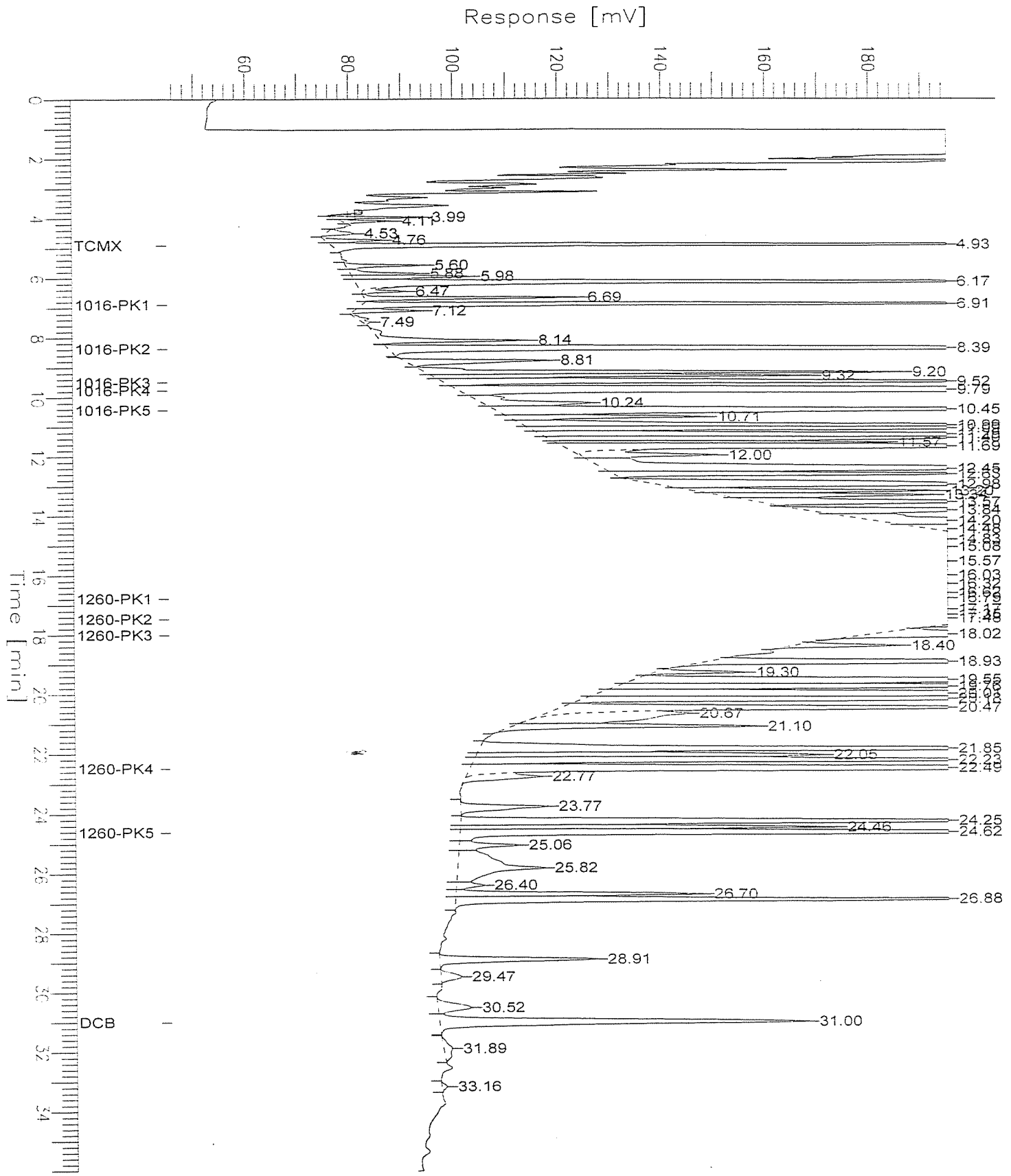
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A031.TX1

Chromatogram

Sample Name : 249-1D
FileName : C:\TC4\DATA_9\007A031.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 45 mV

Sample #: DLW0K11E D Page 1 of 1
Date : 10/13/00 01:09 PM
Time of Injection: 10/13/00 12:33 PM
Low Point : 44.98 mV High Point : 194.98 mV
Plot Scale: 150.0 mV



001356

INITIAL CALIBRATION DATA

Date Analyzed: 10-7-00

Instrument ID: G9A

Turbochrom Method File : C:\TC4\DATA_9\1660_9A.MTH <Modified>
Created by : VZW on : 10/12/98 10:28 AM
Edited by : manager on : 10/9/00 08:56 AM
Description :

Number of Times Edited : 92
Number of Times Calibrated : 830

1 CAL
10-7-00
ALL AUG CF
2nd SRC OK

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 50 µV
Area Threshold : 5000.00 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 0.000
Event #2 - +P at 3.900

Annotated Replot Parameters :
Offset & Scale determined automatically
Scale Factor : 1.000000

Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time
Start Time : 0.00
End Time : 36.00

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\TC4\DATA_9\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 :

TCMX

Component Type : Single Peak Component
Retention Time : 4.928 min Search Window: 0.20 s, 1.50 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 25.000000
Value 2: 20.000000
Value 3: 20.000000
Value 4: 0.158000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	212560.50	52917.33	----------	----------	1
2	10.0000	449036.00	111612.03	----------	----------	1
3	25.0000	1124399.50	275123.09	----------	----------	1
4	37.5000	1691784.00	406104.08	----------	----------	1
5	50.0000	2267502.50	540438.71	----------	----------	1
6	75.0000	3272240.00	768352.86	----------	----------	1
7	100.0000	4265968.00	962407.94	----------	----------	1

Average Calibration Factor = 44163.645238 (%RSD = 2.74)

1016-PK1

Component Type : Single Peak Component
Retention Time : 6.907 min Search Window: 0.20 s, 1.50 %
Reference Component: TCMX
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.162000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	102729.00	22095.73	----------	----------	1
2	200.0000	213605.00	44683.96	----------	----------	1
3	500.0000	499745.20	102471.04	----------	----------	1
4	750.0000	727660.00	146821.26	----------	----------	1
5	1000.0000	947361.80	190724.09	----------	----------	1
6	1500.0000	1325518.96	263272.68	----------	----------	1
7	2000.0000	1667124.72	329241.54	----------	----------	1

Average Calibration Factor = 961.374599 (%RSD = 8.47)

1016-PK2

Component Type : Single Peak Component
Retention Time : 8.390 min Search Window: 0.20 s, 1.50 %
Reference Component: TCMX
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.162000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	238892.73	40126.48	----------	----------	1
2	200.0000	484403.68	80357.17	----------	----------	1
3	500.0000	1105892.57	179952.69	----------	----------	1
4	750.0000	1590284.83	254715.00	----------	----------	1
5	1000.0000	2069903.47	325472.08	----------	----------	1
6	1500.0000	2873911.20	452457.85	----------	----------	1
7	2000.0000	3599485.16	559519.82	----------	----------	1

Average Calibration Factor = 2132.671073 (%RSD = 10.79)

1016-PK3
Component Type : Single Peak Component
Retention Time : 9.511 min Search Window: 0.20 s, 1.50 %
Reference Component: TCMX
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.162000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	93656.39	14906.28	----------	----------	1
2	200.0000	210979.56	32279.12	----------	----------	1
3	500.0000	513613.06	77853.84	----------	----------	1
4	750.0000	774537.50	112877.07	----------	----------	1
5	1000.0000	1040148.89	149346.43	----------	----------	1
6	1500.0000	1450806.62	211554.67	----------	----------	1
7	2000.0000	1903760.24	265976.91	----------	----------	1

Average Calibration Factor = 1001.519692 (%RSD = 4.79)

1016-PK4
Component Type : Single Peak Component
Retention Time : 9.784 min Search Window: 0.20 s, 1.50 %
Reference Component: TCMX
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000

Value 4: 0.162000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	449368.00	57378.52	----------	----------	1
2	200.0000	912407.87	114220.90	----------	----------	1
3	500.0000	2099910.39	261061.89	----------	----------	1
4	750.0000	3046680.86	379016.31	----------	----------	1
5	1000.0000	3994201.30	490157.00	----------	----------	1
6	1500.0000	5626019.65	685775.28	----------	----------	1
7	2000.0000	7109021.40	864444.84	----------	----------	1

Average Calibration Factor = 4088.167581 (%RSD = 8.99)

AROCLOR1016

Component Type : Named Group

Group Members:

1016-PK1
1016-PK2
1016-PK3
1016-PK4
1016-PK5

Use Average Calibration Factor (Area / Amount)

User Values:

Label :
Value 1: 500.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	1052632.10	161277.05	----------	----------	1
2	200.0000	2163863.44	325666.80	----------	----------	1
3	500.0000	5046649.58	747055.10	----------	----------	1
4	750.0000	7356030.28	1.08e+06	----------	----------	1
5	1000.0000	9672077.71	1.39e+06	----------	----------	1
6	1500.0000	13583351.10	1.95e+06	----------	----------	1
7	2000.0000	17245571.47	2.45e+06	----------	----------	1

Average Calibration Factor = 9799.629807 (%RSD = 7.91)

1016-PK5

Component Type : Single Peak Component
Retention Time : 10.438 min Search Window: 0.20 s, 1.50 %
Reference Component: TCMX
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)

User Values:

Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.162000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	167985.98	26770.05	----------	----------	1
2	200.0000	342467.33	54125.64	----------	----------	1
3	500.0000	827488.36	125715.65	----------	----------	1

4	750.0000	1216867.09	183555.59	----------	----------	1
5	1000.0000	1620462.25	238994.59	----------	----------	1
6	1500.0000	2307094.67	336623.51	----------	----------	1
7	2000.0000	2966179.95	426343.63	----------	----------	1

Average Calibration Factor = 1615.896861 (%RSD = 4.97)

1260-PK1

Component Type : Single Peak Component
Retention Time : 16.788 min Search Window: 0.20 s, 1.50 %
Reference Component: DCB
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.213000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	167546.50	24688.90	----------	----------	1
2	200.0000	332694.00	48514.89	----------	----------	1
3	500.0000	803310.00	114786.44	----------	----------	1
4	750.0000	1218546.56	169558.63	----------	----------	1
5	1000.0000	1638748.95	227987.19	----------	----------	1
6	1500.0000	2340603.01	328295.59	----------	----------	1
7	2000.0000	3011317.90	415876.55	----------	----------	1

Average Calibration Factor = 1610.727665 (%RSD = 3.72)

1260-PK2

Component Type : Single Peak Component
Retention Time : 17.613 min Search Window: 0.20 s, 1.50 %
Reference Component: DCB
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.213000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	305589.00	40718.56	----------	----------	1
2	200.0000	588970.00	78598.25	----------	----------	1
3	500.0000	1368505.50	178419.90	----------	----------	1
4	750.0000	1972359.50	252987.25	----------	----------	1
5	1000.0000	2626333.29	338261.53	----------	----------	1
6	1500.0000	3725413.30	473823.79	----------	----------	1
7	2000.0000	4722186.90	599016.61	----------	----------	1

Average Calibration Factor = 2691.228468 (%RSD = 9.10)

1260-PK3

Component Type : Single Peak Component
Retention Time : 18.015 min Search Window: 0.20 s, 1.50 %
Reference Component: DCB
Find peak closest to expected RT in window

Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.213000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	295594.13	46036.75	----------	----------	1
2	200.0000	578390.35	87367.19	----------	----------	1
3	500.0000	1353225.55	198596.02	----------	----------	1
4	750.0000	1950375.81	288484.53	----------	----------	1
5	1000.0000	2579346.43	383676.86	----------	----------	1
6	1500.0000	3663759.90	538969.02	----------	----------	1
7	2000.0000	4644117.37	689853.47	----------	----------	1

Average Calibration Factor = 2642.679561 (%RSD = 8.64)

AROCLOR1260
Component Type : Named Group
Group Members:
1260-PK3
1260-PK1
1260-PK2
1260-PK4
1260-PK5

Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 500.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	1361640.69	199387.34	----------	----------	1
2	200.0000	2709534.49	390092.85	----------	----------	1
3	500.0000	6417216.73	910629.27	----------	----------	1
4	750.0000	9459691.06	1.33e+06	----------	----------	1
5	1000.0000	12649372.08	1.79e+06	----------	----------	1
6	1500.0000	18149626.95	2.56e+06	----------	----------	1
7	2000.0000	23167571.23	3.18e+06	----------	----------	1

Average Calibration Factor = 12706.334739 (%RSD = 5.74)

1260-PK4
Component Type : Single Peak Component
Retention Time : 22.485 min Search Window: 0.20 s, 1.50 %
Reference Component: DCB
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000

Value 4: 0.213000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	410434.06	59906.65	----------	----------	1
2	200.0000	818141.02	117538.59	----------	----------	1
3	500.0000	1944836.55	281106.50	----------	----------	1
4	750.0000	2874914.89	408347.07	----------	----------	1
5	1000.0000	3872927.74	551769.31	----------	----------	1
6	1500.0000	5597976.40	806610.92	----------	----------	1
7	2000.0000	7120307.06	947002.20	----------	----------	1

Average Calibration Factor = 3869.000600 (%RSD = 4.95)

1260-PK5

Component Type : Single Peak Component
Retention Time : 24.625 min Search Window: 0.20 s, 1.50 %
Reference Component: DCB
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 1000.000000
Value 3: 0.000000
Value 4: 0.213000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	182477.00	28036.48	----------	----------	1
2	200.0000	391339.12	58073.94	----------	----------	1
3	500.0000	947339.13	137720.41	----------	----------	1
4	750.0000	1443494.29	208859.63	----------	----------	1
5	1000.0000	1932015.67	285651.29	----------	----------	1
6	1500.0000	2821874.33	410460.82	----------	----------	1
7	2000.0000	3669642.00	532629.65	----------	----------	1

Average Calibration Factor = 1892.698445 (%RSD = 2.62)

DCB

Component Type : Single Peak Component
Retention Time : 31.002 min Search Window: 0.20 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 25.000000
Value 2: 20.000000
Value 3: 20.000000
Value 4: 0.738000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	189198.50	17756.01	----------	----------	1
2	10.0000	345540.90	33719.54	----------	----------	1
3	25.0000	924326.50	85329.63	----------	----------	1
4	37.5000	1377486.00	126216.88	----------	----------	1
5	50.0000	1848321.00	170463.85	----------	----------	1
6	75.0000	2658661.00	241855.43	----------	----------	1
7	100.0000	3447997.00	310562.77	----------	----------	1

Average Calibration Factor = 36142.144808 (%RSD = 3.64)

Software Version: 4.1<2F12>
Sample Name : AR1660 00-143, 2ND SRC Time : 10/9/00 09:01 AM
Sample Number: .5 PPM 2ND Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 09:59 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A009.RAW
Result File : C:\TC4\DATA_9\O07A009.rst
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A009.rst
Proc Method : C:\TC4\DATA_9\PEST9AQC.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 65

DC04X, Baseline, 10-9-00

8082 STD CHECK - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
TCMX	27.750	25	11.00	4.927	4.769	5.085
AROCLOR1016	536.412	500	7.28	9.781	9.781	9.781
AROCLOR1260	524.925	500	4.99	22.485	22.485	22.485
DCB	27.402	25	9.61	30.999	30.261	31.737

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High

Group Report For : AROCLOR1016

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
1016-PK1	541.422	0	------	6.906	6.744	7.068
1016-PK2	536.071	0	------	8.390	8.228	8.552
1016-PK3	550.866	0	------	9.511	9.349	9.673
1016-PK4	531.387	0	------	9.781	9.619	9.943
1016-PK5	537.635	0	------	10.437	10.275	10.599

Group Report For : AROCLOR1260

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
1260-PK3	517.545	0	------	18.014	17.801	18.227
1260-PK1	495.321	0	------	16.785	16.572	16.998
1260-PK2	511.394	0	------	17.611	17.398	17.824
1260-PK4	548.584	0	------	22.485	22.272	22.698
1260-PK5	531.301	0	------	24.621	24.408	24.834

Report stored in ASCII file: C:\TC4\DATA_9\O07A009.TX0

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.01	0.0133	4.592	------	13346	------
TCMX	27.75	27.7504	4.927	-0.001	1225557	138.8
	0.06	0.0589	5.971	------	58880	------
	0.09	0.0896	6.196	------	89560	------
	0.12	0.1224	6.689	------	122360	------
	0.03	0.0265	7.119	------	26520	------
	0.01	0.0107	7.297	------	10698	------
	0.11	0.1136	8.129	------	113595	------
	0.14	0.1396	8.807	------	139592	------
	0.38	0.3841	9.199	------	384108	------
	0.22	0.2181	9.314	------	218113	------
AROCLOR1016	536.41	536.4117	9.781	0.000	5256636	------
	0.13	0.1303	10.704	------	130327	------
	0.67	0.6673	10.980	------	667342	------
	0.52	0.5216	11.078	------	521587	------
	0.55	0.5482	11.281	------	548225	------
	0.39	0.3939	11.403	------	393901	------
	0.24	0.2435	11.552	------	243487	------
	0.08	0.0794	11.989	------	79376	------
	0.82	0.8225	12.446	------	822517	------
	0.24	0.2435	12.619	------	243463	------
	0.53	0.5320	12.976	------	531963	------
	0.15	0.1453	13.195	------	145324	------
	0.07	0.0717	13.322	------	71664	------
	0.12	0.1245	13.562	------	124499	------
	0.22	0.2188	13.836	------	218782	------
	0.49	0.4860	14.195	------	486036	------
	0.51	0.5093	14.473	------	509315	------
	0.03	0.0280	15.066	------	27981	------
	0.03	0.0308	15.676	------	30783	------
	0.08	0.0772	16.314	------	77203	------
	0.45	0.4482	17.178	------	448183	------
	0.08	0.0782	18.392	------	78198	------
	0.01	0.0112	18.632	------	11194	------
	0.56	0.5561	18.933	------	556087	------
	0.01	0.0080	19.286	------	8028	------
	0.93	0.9339	19.545	------	933923	------
	0.56	0.5649	19.760	------	564862	------
	1.24	1.2363	20.005	------	1236286	------
	0.91	0.9107	20.173	------	910659	------
	0.50	0.4962	20.470	------	496185	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.21	0.2097	21.097	------	209676	------
	1.02	1.0175	21.847	------	1017539	------
	0.25	0.2510	22.062	------	250991	------
	0.62	0.6178	22.230	------	617818	------
AROCLOR1260	524.93	524.9253	22.485	0.000	6669876	------
	0.09	0.0873	22.762	------	87257	------
	0.11	0.1095	23.767	------	109471	------
	0.66	0.6579	24.245	------	657883	------
	0.31	0.3129	24.453	------	312895	------
	0.03	0.0303	25.051	------	30257	------
	0.02	0.0229	25.820	------	22930	------
	0.02	0.0178	26.397	------	17828	------
	0.21	0.2103	26.697	------	210292	------
	0.55	0.5495	26.879	------	549492	------
	0.14	0.1364	28.898	------	136379	------
DCB	27.40	27.4021	30.999	-0.004	990369	137.0

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	541.42	541.4221	6.906	-0.001	520509	------
1016-PK2	536.07	536.0707	8.390	-0.001	1143262	------
1016-PK3	550.87	550.8656	9.511	-0.001	551703	------
1016-PK4	531.39	531.3869	9.781	-0.003	2172399	------
1016-PK5	537.63	537.6348	10.437	-0.001	868762	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	517.55	517.5454	18.014	-0.001	1367707	------
1260-PK1	495.32	495.3215	16.785	-0.003	797828	------
1260-PK2	511.39	511.3936	17.611	-0.002	1376277	------
1260-PK4	548.58	548.5843	22.485	-0.000	2122473	------
1260-PK5	531.30	531.3007	24.621	-0.004	1005592	------

Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

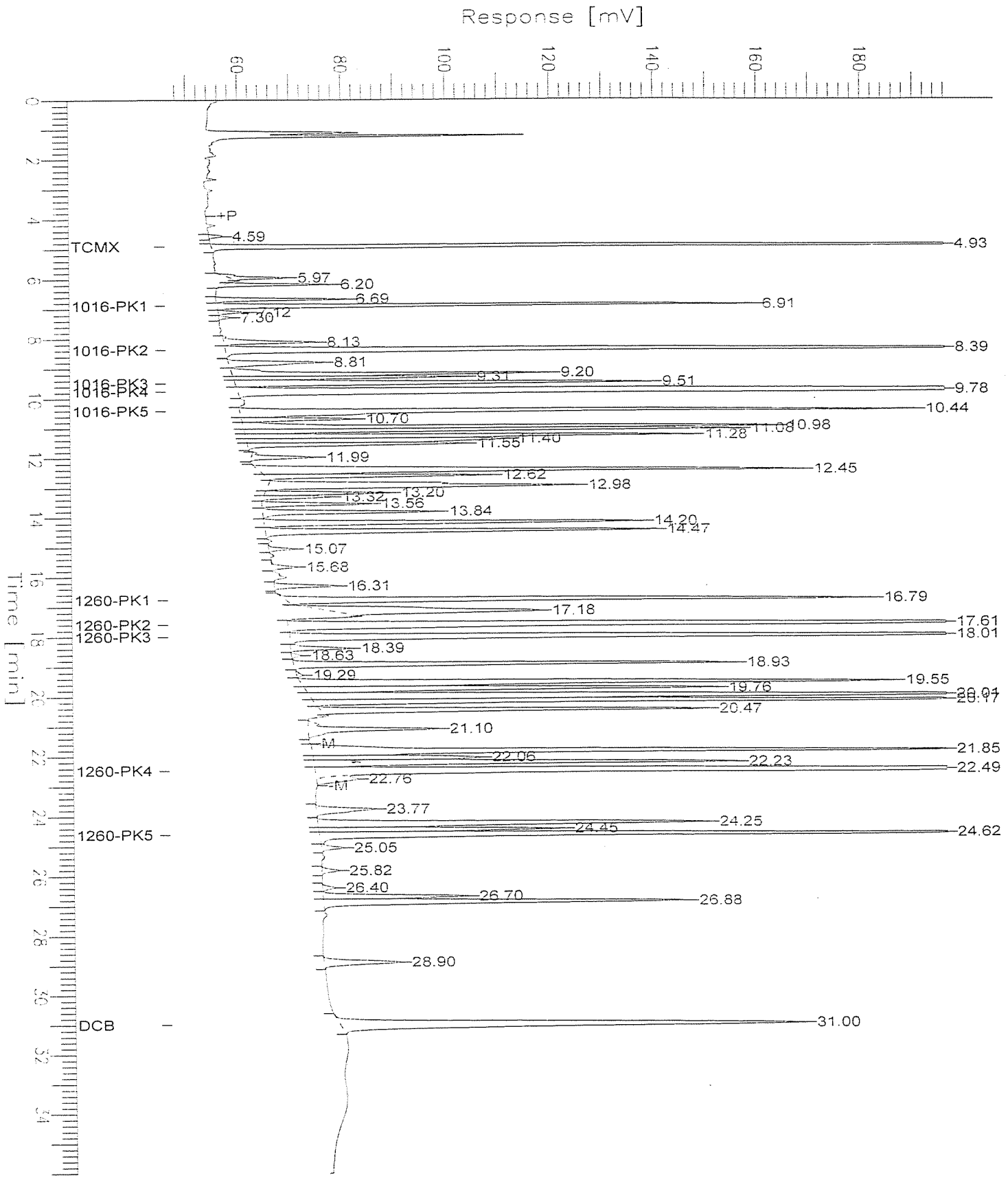
==========

Report stored in ASCII file: C:\TC4\DATA_9\O07A009.TX1

Chromatogram

Sample Name : AR1660 00-143, 2ND SRC
FileName : C:\TC4\DATA_9\007A009.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 46 mV

Sample #: .5 PPM 2ND
Date : 10/9/00 09:01 AM
Time of Injection: 10/7/00 09:59 PM
Low Point : 46.06 mV High Point : 196.07 mV
Plot Scale: 150.0 mV



001371

Software Version: 4.1<2F12>
Sample Name : AR1660 00-143, 2ND SRC Time : 10/9/00 08:57 AM
Sample Number: .5 PPM 2ND Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 09:59 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A009.RAW
Result File : C:\TC4\DATA_9\O07A009.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A009.RST
Proc Method : C:\TC4\DATA_9\PEST9AQC.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 65

8082 STD CHECK - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
TCMX	27.750	25	11.00	4.927	4.769	5.085
AROCLOR1016	536.412	500	7.28	9.781	9.781	9.781
AROCLOR1260	517.605	500	3.52	22.485	22.485	22.485
DCB	27.402	25	9.61	30.999	30.261	31.737

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High

Group Report For : AROCLOR1016

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
1016-PK1	541.422	0	------	6.906	6.744	7.068
1016-PK2	536.071	0	------	8.390	8.228	8.552
1016-PK3	550.866	0	------	9.511	9.349	9.673
1016-PK4	531.387	0	------	9.781	9.619	9.943
1016-PK5	537.635	0	------	10.437	10.275	10.599

Group Report For : AROCLOR1260

Component Name	Final Result	Std Level	Percent Diff.	Time [min]	RT Win Low	RT Win High
1260-PK3	517.545	0	------	18.014	17.801	18.227
1260-PK1	495.321	0	------	16.785	16.572	16.998
1260-PK2	511.394	0	------	17.611	17.398	17.824
1260-PK4	524.545	0	------	22.485	22.272	22.698
1260-PK5	531.301	0	------	24.621	24.408	24.834

Report stored in ASCII file: C:\TC4\DATA_9\O07A009.TX0

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.01	0.0133	4.592	------	13346	------
TCMX	27.75	27.7504	4.927	-0.001	1225557	138.8
	0.06	0.0589	5.971	------	58880	------
	0.09	0.0896	6.196	------	89560	------
	0.12	0.1224	6.689	------	122360	------
	0.03	0.0265	7.119	------	26520	------
	0.01	0.0107	7.297	------	10698	------
	0.11	0.1136	8.129	------	113595	------
	0.14	0.1396	8.807	------	139592	------
	0.38	0.3841	9.199	------	384108	------
	0.22	0.2181	9.314	------	218113	------
AROCLOR1016	536.41	536.4117	9.781	0.000	5256636	------
	0.13	0.1303	10.704	------	130327	------
	0.67	0.6673	10.980	------	667342	------
	0.52	0.5216	11.078	------	521587	------
	0.55	0.5482	11.281	------	548225	------
	0.39	0.3939	11.403	------	393901	------
	0.24	0.2435	11.552	------	243487	------
	0.08	0.0794	11.989	------	79376	------
	0.82	0.8225	12.446	------	822517	------
	0.24	0.2435	12.619	------	243463	------
	0.53	0.5320	12.976	------	531963	------
	0.15	0.1453	13.195	------	145324	------
	0.07	0.0717	13.322	------	71664	------
	0.12	0.1245	13.562	------	124499	------
	0.22	0.2188	13.836	------	218782	------
	0.49	0.4860	14.195	------	486036	------
	0.51	0.5093	14.473	------	509315	------
	0.03	0.0280	15.066	------	27981	------
	0.03	0.0308	15.676	------	30783	------
	0.08	0.0772	16.314	------	77203	------
	0.45	0.4482	17.178	------	448183	------
	0.08	0.0782	18.392	------	78198	------
	0.01	0.0112	18.632	------	11194	------
	0.56	0.5561	18.933	------	556087	------
	0.01	0.0080	19.286	------	8028	------
	0.93	0.9339	19.545	------	933923	------
	0.56	0.5649	19.760	------	564862	------
	1.24	1.2363	20.005	------	1236286	------
	0.91	0.9107	20.173	------	910659	------
	0.50	0.4962	20.470	------	496185	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.21	0.2097	21.097	------	209676	------
	0.98	0.9814	21.847	------	981442	------
	0.22	0.2165	22.062	------	216488	------
	0.54	0.5414	22.230	------	541418	------
AROCLOR1260	517.61	517.6054	22.485	0.000	6576867	------
	0.06	0.0587	22.762	------	58740	------
	0.11	0.1095	23.767	------	109471	------
	0.66	0.6579	24.245	------	657883	------
	0.31	0.3129	24.453	------	312895	------
	0.03	0.0303	25.051	------	30257	------
	0.02	0.0229	25.820	------	22930	------
	0.02	0.0178	26.397	------	17828	------
	0.21	0.2103	26.697	------	210292	------
	0.55	0.5495	26.879	------	549492	------
	0.14	0.1364	28.898	------	136379	------
DCB	27.40	27.4021	30.999	-0.004	990369	137.0

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	541.42	541.4221	6.906	-0.001	520509	------
1016-PK2	536.07	536.0707	8.390	-0.001	1143262	------
1016-PK3	550.87	550.8656	9.511	-0.001	551703	------
1016-PK4	531.39	531.3869	9.781	-0.003	2172399	------
1016-PK5	537.63	537.6348	10.437	-0.001	868762	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	517.55	517.5454	18.014	-0.001	1367707	------
1260-PK1	495.32	495.3215	16.785	-0.003	797828	------
1260-PK2	511.39	511.3936	17.611	-0.002	1376277	------
1260-PK4	524.54	524.5446	22.485	-0.000	2029463	------
1260-PK5	531.30	531.3007	24.621	-0.004	1005592	------

Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

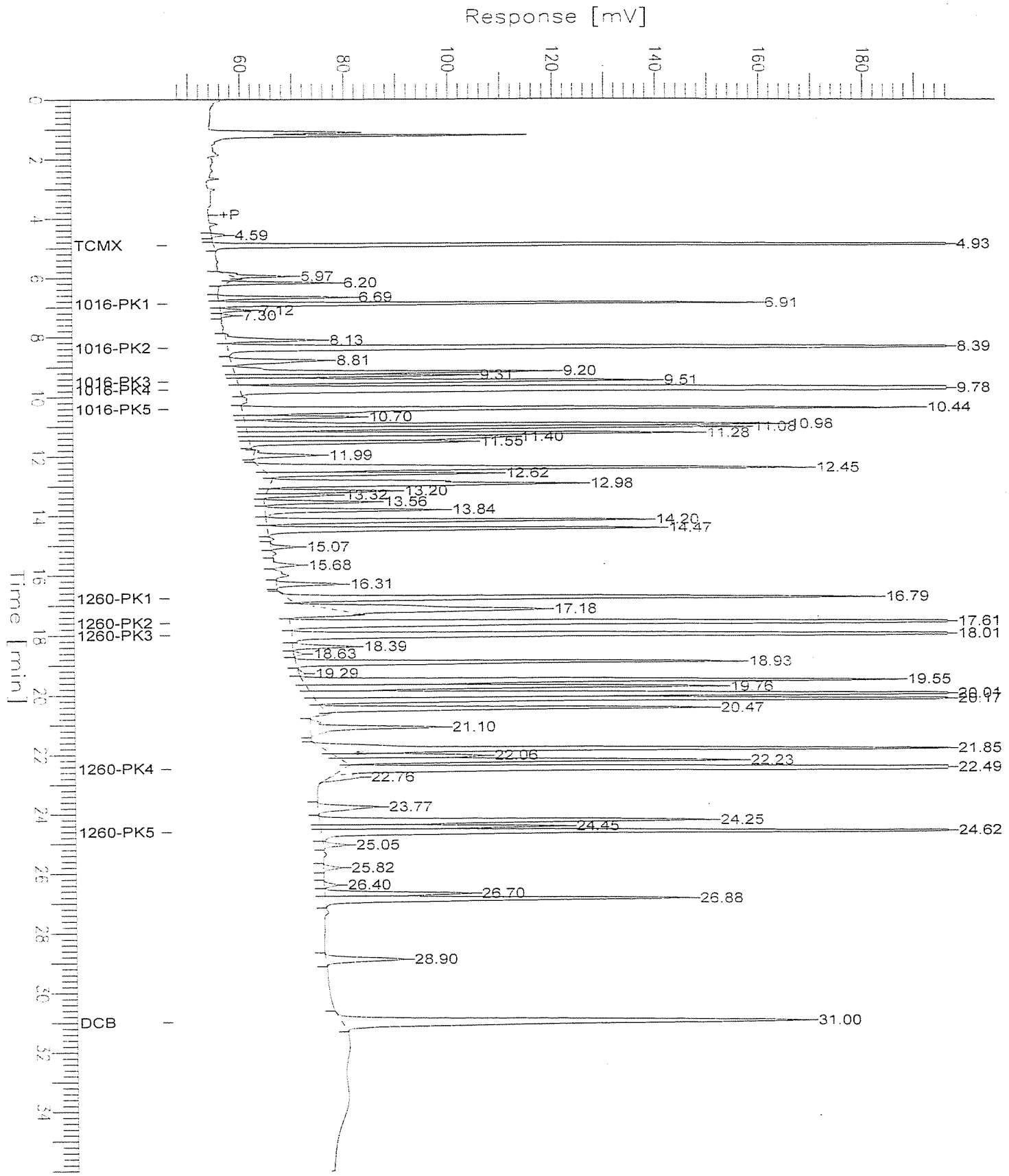
==========

Report stored in ASCII file: C:\TC4\DATA_9\O07A009.TX1

Chromatogram

Sample Name : AR1660 00-143, 2ND SRC
FileName : C:\TC4\DATA_9\007A009.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 46 mV

Sample #: .5 PPM 2ND
Date : 10/9/00 08:57 AM
Time of Injection: 10/7/00 09:59 PM
Low Point : 46.06 mV High Point : 196.07 mV
Plot Scale: 150.0 mV



001377

Software Version: 4.1<2F12>
Date: 10/9/00 08:52 AM
Sample Name : AR1660 50UL-->1ML 00-99
)ata File : C:\TC4\DATA_9\007A002.RAW Date: 10/7/00 05:21 PM
Sequence File: C:\TC4\DATA_9\007.SEQ Cycle: 2 Channel : A
Instrument : GC-09 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_9\1660_9A.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
TCMX	4.928	5.00000	212560.500000	42512.100000	0.03	7	------	------	1	0
1016-PK1	6.907	100.00000	102729.000000	1027.290000	0.02	7	------	------	1	0
1016-PK2	8.390	100.00000	238892.734940	2388.927349	0.02	7	------	------	1	0
1016-PK3	9.511	100.00000	93656.385542	936.563855	0.02	7	------	------	1	0
AROCLOR1016	9.783	100.00000	1052632.104353	10526.321044	------	1	------	------	1	0
1016-PK4	9.784	100.00000	449368.000000	4493.680000	0.02	7	------	------	1	0
1016-PK5	10.438	100.00000	167985.983871	1679.859839	0.02	7	------	------	1	0
1260-PK1	16.788	100.00000	167546.500000	1675.465000	0.01	7	------	------	1	0
1260-PK2	17.613	100.00000	305589.000000	3055.890000	0.01	7	------	------	1	0
1260-PK3	18.015	100.00000	295594.128205	2955.941282	0.01	7	------	------	1	0
1260-PK4	22.485	100.00000	410434.058511	4104.340585	0.02	7	------	------	1	0
AROCLOR1260	22.492	100.00000	1361640.686716	13616.406867	------	1	------	------	1	0
1260-PK5	24.625	100.00000	182477.000000	1824.770000	0.01	7	------	------	1	0
DCB	31.002	5.00000	189198.500000	37839.700000	0.01	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
TCMX	0.000000	44163.645238	----------	----------	--------	9
1016-PK1	0.000000	961.374599	----------	----------	--------	9
1016-PK2	0.000000	2132.671073	----------	----------	--------	9
1016-PK3	0.000000	1001.519692	----------	----------	--------	9
AROCLOR1016	0.000000	9799.629807	----------	----------	--------	9
1016-PK4	0.000000	4088.167581	----------	----------	--------	9
1016-PK5	0.000000	1615.896861	----------	----------	--------	9
1260-PK1	0.000000	1610.727665	----------	----------	--------	9
1260-PK2	0.000000	2691.228468	----------	----------	--------	9
1260-PK3	0.000000	2642.679561	----------	----------	--------	9
1260-PK4	0.000000	3754.593445	----------	----------	--------	9
AROCLOR1260	0.000000	12591.927584	----------	----------	--------	9
1260-PK5	0.000000	1892.698445	----------	----------	--------	9
DCB	0.000000	45557.484228	----------	----------	--------	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 : AR1660 50UL-->1ML 00-99 Time : 10/9/00 08:52 AM
Sample Number: .1 PPM Study : ICAL 10/07/00
perator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 05:21 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A002.RAW
Result File : C:\TC4\DATA_9\O07A002.rst
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A002.rst
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 56

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
TCMX	4.81	4.8130	4.928	-0.001	212560	24.1
	0.01	0.0147	6.196	------	14670	------
	0.02	0.0209	6.688	------	20946	------
	0.02	0.0172	8.130	------	17219	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.02	0.0237	8.812	------	23655	------
	0.06	0.0619	9.199	------	61926	------
	0.03	0.0346	9.315	------	34562	------
AROCLOR1016	107.42	107.4155	9.783	0.000	1052632	------
	0.02	0.0172	10.705	------	17238	------
	0.11	0.1105	10.982	------	110475	------
	0.11	0.1064	11.085	------	106372	------
	0.05	0.0534	11.282	------	53383	------
	0.01	0.0133	11.991	------	13292	------
	0.16	0.1618	12.447	------	161822	------
	0.06	0.0552	12.621	------	55212	------
	0.10	0.0972	12.974	------	97163	------
	0.02	0.0165	13.197	------	16542	------
	0.02	0.0205	13.563	------	20517	------
	0.04	0.0419	13.838	------	41912	------
	0.11	0.1082	14.197	------	108220	------
	0.12	0.1161	14.476	------	116097	------
	0.01	0.0069	15.687	------	6850	------
	0.02	0.0171	16.316	------	17105	------
	0.09	0.0894	17.180	------	89368	------
	0.01	0.0146	18.396	------	14603	------
	0.11	0.1139	18.935	------	113893	------
	0.18	0.1764	19.549	------	176351	------
	0.11	0.1120	19.763	------	112039	------
	0.28	0.2762	20.013	------	276190	------
	0.17	0.1728	20.178	------	172790	------
	0.09	0.0884	20.473	------	88437	------
	0.01	0.0110	20.936	------	11044	------
	0.02	0.0150	21.107	------	15022	------
	0.21	0.2102	21.850	------	210190	------
	0.07	0.0663	22.054	------	66318	------
	0.12	0.1172	22.234	------	117188	------
AROCLOR1260	108.14	108.1360	22.492	0.000	1361641	------
	0.02	0.0168	22.767	------	16830	------
	0.12	0.1168	24.256	------	116782	------
	0.04	0.0444	24.456	------	44387	------
	0.21	0.2100	25.045	------	210025	------
	0.04	0.0421	25.811	------	42114	------
	0.21	0.2130	26.712	------	212959	------
	0.26	0.2581	26.882	------	258120	------
	0.07	0.0683	27.860	------	68296	------
	0.02	0.0152	28.914	------	15151	------
DCB	4.15	4.1530	31.010	0.008	189198	20.8
	0.15	0.1546	31.759	------	154552	------

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	106.86	106.8564	6.907	-0.000	102729	------
1016-PK2	112.02	112.0157	8.389	-0.001	238893	------
1016-PK3	93.51	93.5143	9.511	-0.001	93656	------
1016-PK4	109.92	109.9192	9.783	-0.002	449368	------
1016-PK5	103.96	103.9584	10.437	-0.001	167986	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	111.85	111.8539	18.017	0.002	295594	------
1260-PK1	104.02	104.0191	16.790	0.001	167546	------
1260-PK2	113.55	113.5500	17.614	0.001	305589	------
1260-PK4	109.32	109.3152	22.492	0.007	410434	------
1260-PK5	96.41	96.4110	24.628	0.003	182477	------

Capillary GC -

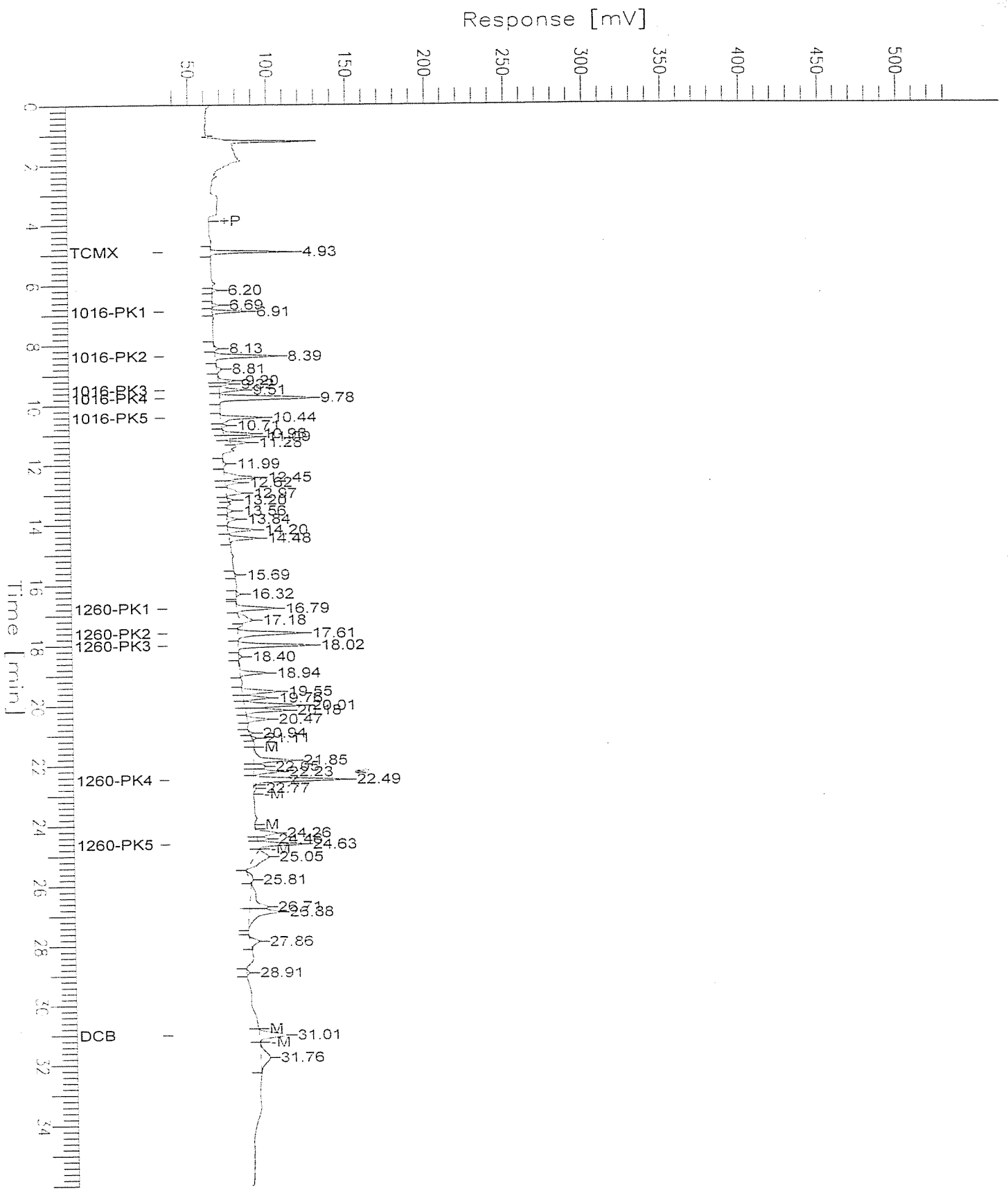
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A002.TX0

Chromatogram

Sample Name : AR1660 50UL-->1ML 00-99
FileName : C:\TC4\DATA_9\007A002.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 34 mV

Sample #: .1 PPM
Date : 10/9/00 08:52 AM
Time of Injection: 10/7/00 05:21 PM
Low Point : 33.92 mV High Point : 533.92 mV
Plot Scale: 500.0 mV



001383

Software Version: 4.1<2F12>
Date: 10/9/00 08:52 AM
Sample Name : AR1660 100UL-->1ML 00-99
Data File : C:\TC4\DATA_9\O07A003.RAW Date: 10/7/00 06:01 PM
Sequence File: C:\TC4\DATA_9\O07.SEQ Cycle: 3 Channel : A
Instrument : GC-09 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_9\1660_9A.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
TCMX	4.928	10.00000	449036.000000	44903.600000	0.03	7	------	------	1	0
1016-PK1	6.907	200.00000	213605.000000	1068.025000	0.02	7	------	------	1	0
1016-PK2	8.390	200.00000	484403.682540	2422.018413	0.02	7	------	------	1	0
1016-PK3	9.511	200.00000	210979.555556	1054.897778	0.02	7	------	------	1	0
1016-PK4	9.784	200.00000	912407.873016	4562.039365	0.02	7	------	------	1	0
AROCLOR1016	9.785	200.00000	2163863.444444	10819.317222	------	1	------	------	1	0
1016-PK5	10.438	200.00000	342467.333333	1712.336667	0.02	7	------	------	1	0
1260-PK1	16.788	200.00000	332694.000000	1663.470000	0.01	7	------	------	1	0
1260-PK2	17.613	200.00000	588970.000000	2944.850000	0.01	7	------	------	1	0
1260-PK3	18.015	200.00000	578390.350000	2891.951750	0.01	7	------	------	1	0
1260-PK4	22.485	200.00000	818141.022222	4090.705111	0.02	7	------	------	1	0
AROCLOR1260	22.487	200.00000	2709534.489869	13547.672449	------	1	------	------	1	0
1260-PK5	24.625	200.00000	391339.117647	1956.695588	0.01	7	------	------	1	0
DCB	31.002	10.00000	345540.903226	34554.090323	0.01	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
TCMX	0.000000	44163.645238	----------	----------	--------	9
1016-PK1	0.000000	961.374599	----------	----------	--------	9
1016-PK2	0.000000	2132.671073	----------	----------	--------	9
1016-PK3	0.000000	1001.519692	----------	----------	--------	9
1016-PK4	0.000000	4088.167581	----------	----------	--------	9
AROCLOR1016	0.000000	9799.629807	----------	----------	--------	9
1016-PK5	0.000000	1615.896861	----------	----------	--------	9
1260-PK1	0.000000	1610.727665	----------	----------	--------	9
1260-PK2	0.000000	2691.228468	----------	----------	--------	9
1260-PK3	0.000000	2642.679561	----------	----------	--------	9
1260-PK4	0.000000	3793.777785	----------	----------	--------	9
AROCLOR1260	0.000000	12631.111924	----------	----------	--------	9
1260-PK5	0.000000	1892.698445	----------	----------	--------	9
DCB	0.000000	36142.144808	----------	----------	--------	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 : AR1660 100UL-->1ML 00-99 Time : 10/9/00 08:52 AM
Sample Number: .2 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 06:01 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\007A003.RAW
Result File : C:\TC4\DATA_9\007A003.rst
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\007A003.rst
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\007.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 58

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
TCMX	10.17	10.1675	4.929	0.001	449036	50.8
	0.02	0.0207	5.972	------	20690	------
	0.03	0.0328	6.198	------	32796	------
	0.05	0.0458	6.690	------	45754	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.04	0.0392	8.131	------	39177	------
	0.05	0.0511	8.810	------	51126	------
	0.14	0.1398	9.201	------	139758	------
	0.09	0.0867	9.316	------	86708	------
AROCLOR1016	220.81	220.8107	9.785	0.000	2163863	------
	0.04	0.0394	10.707	------	39425	------
	0.23	0.2319	10.983	------	231853	------
	0.20	0.1986	11.083	------	198575	------
	0.12	0.1201	11.284	------	120141	------
	0.03	0.0289	11.555	------	28940	------
	0.03	0.0305	11.992	------	30512	------
	0.33	0.3259	12.448	------	325890	------
	0.09	0.0948	12.622	------	94840	------
	0.20	0.1953	12.977	------	195276	------
	0.04	0.0360	13.197	------	36031	------
	0.05	0.0460	13.565	------	46034	------
	0.08	0.0822	13.837	------	82178	------
	0.22	0.2206	14.197	------	220589	------
	0.23	0.2328	14.477	------	232835	------
	0.01	0.0103	15.069	------	10326	------
	0.01	0.0131	15.680	------	13131	------
	0.04	0.0369	16.317	------	36940	------
	0.17	0.1713	17.182	------	171277	------
	0.03	0.0314	18.395	------	31447	------
	0.22	0.2208	18.934	------	220784	------
	0.38	0.3778	19.547	------	377824	------
	0.23	0.2342	19.762	------	234155	------
	0.54	0.5381	20.010	------	538087	------
	0.33	0.3332	20.175	------	333230	------
	0.18	0.1798	20.472	------	179802	------
	0.02	0.0174	20.933	------	17410	------
	0.07	0.0658	21.102	------	65775	------
	0.36	0.3590	21.848	------	358950	------
	0.10	0.1008	22.053	------	100783	------
	0.23	0.2342	22.232	------	234231	------
AROCLOR1260	214.51	214.5127	22.487	0.000	2709534	------
	0.05	0.0496	22.765	------	49626	------
	0.03	0.0298	23.771	------	29758	------
	0.23	0.2295	24.250	------	229542	------
	0.09	0.0937	24.457	------	93732	------
	0.02	0.0160	25.054	------	16047	------
	0.07	0.0692	26.701	------	69153	------
	0.18	0.1836	26.881	------	183560	------
	0.03	0.0268	27.871	------	26764	------
	0.05	0.0508	28.903	------	50843	------
DCB	9.56	9.5606	31.004	0.001	345541	47.8

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	222.19	222.1871	6.909	0.001	213605	------
1016-PK2	227.13	227.1347	8.391	0.001	484404	------
1016-PK3	210.66	210.6594	9.513	0.002	210980	------
1016-PK4	223.18	223.1826	9.785	0.001	912408	------
1016-PK5	211.94	211.9364	10.439	0.001	342467	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	218.87	218.8651	18.016	0.001	578390	------
1260-PK1	206.55	206.5489	16.789	0.001	332694	------
1260-PK2	218.85	218.8480	17.614	0.001	588970	------
1260-PK4	215.65	215.6534	22.487	0.001	818141	------
1260-PK5	206.76	206.7625	24.624	-0.000	391339	------

Capillary GC -

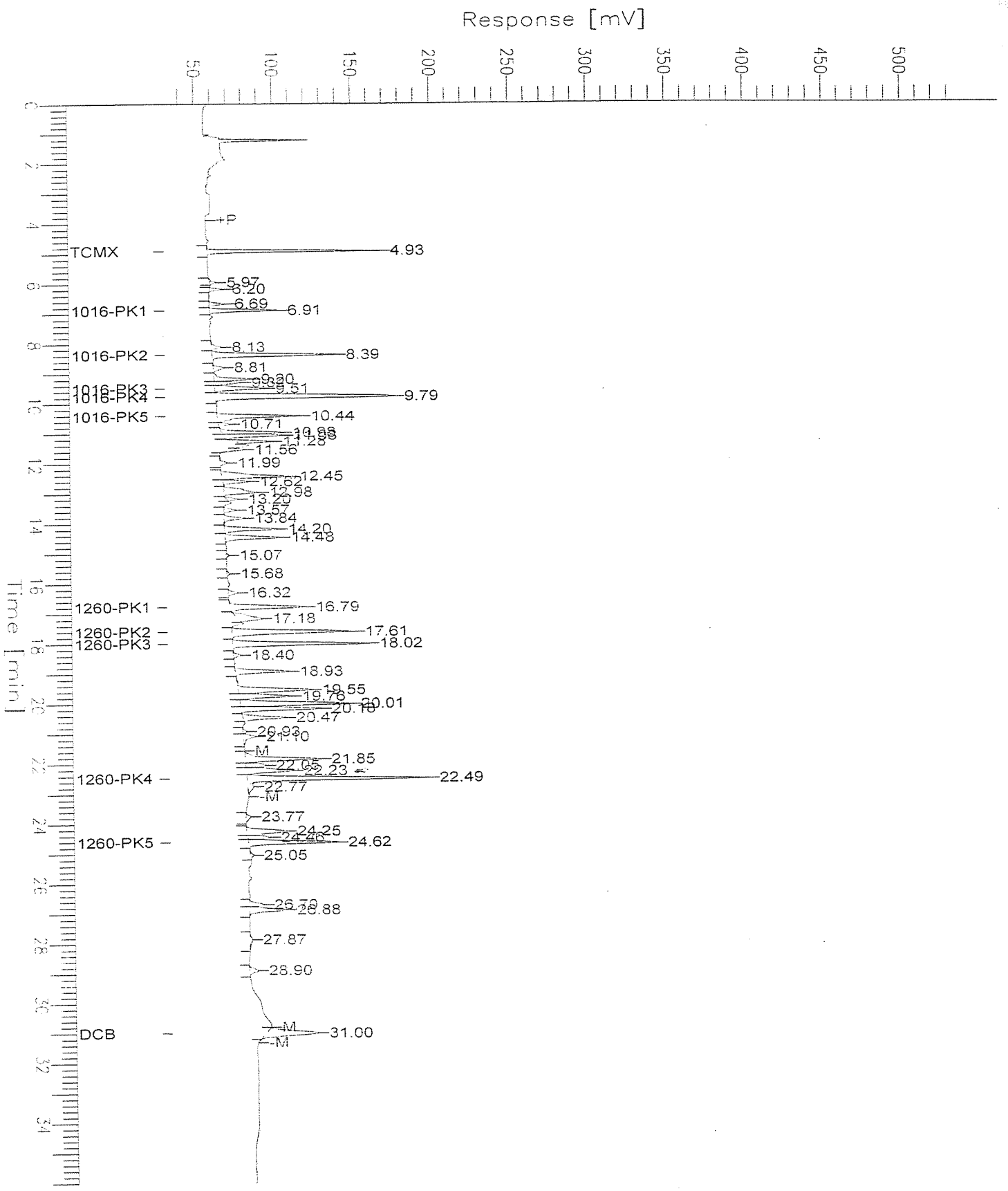
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A003.TX0

Chromatogram

Sample Name : AR1660 100UL-->1ML 00-99
FileName : C:\TC4\DATA_9\007A003.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 31 mV

Sample #: .2 PPM Page 1 of 1
Date : 10/9/00 08:52 AM
Time of Injection: 10/7/00 06:01 PM
Low Point : 30.81 mV High Point : 530.81 mV
Plot Scale: 500.0 mV



Software Version: 4.1<2F12>
Date: 10/9/00 08:39 AM
Sample Name : AR1660 250UL-->1ML 00-99
Data File : C:\TC4\DATA_9\O07A004.RAW Date: 10/7/00 06:40 PM
Sequence File: C:\TC4\DATA_9\O07.SEQ Cycle: 4 Channel : A
Instrument : GC-09 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_9\1660_9A.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
TCMX	4.929	25.00000	1124399.500000	44975.980000	0.03	3	------	------	1	0
1016-PK1	6.908	500.00000	499745.197368	999.490395	0.02	3	------	------	1	0
1016-PK2	8.391	500.00000	1105892.565217	2211.785130	0.02	3	------	------	1	0
1016-PK3	9.512	500.00000	513613.063291	1027.226127	0.01	3	------	------	1	0
1016-PK4	9.784	500.00000	2099910.392405	4199.820785	0.02	3	------	------	1	0
AROCLOR1016	9.786	500.00000	5046649.581918	10093.299164	------	1	------	------	1	0
1016-PK5	10.439	500.00000	827488.363636	1654.976727	0.01	3	------	------	1	0
1260-PK1	16.789	500.00000	803310.000000	1606.620000	0.01	3	------	------	1	0
1260-PK2	17.614	500.00000	1368505.500000	2737.011000	0.00	3	------	------	1	0
1260-PK3	18.016	500.00000	1353225.550000	2706.451100	0.01	3	------	------	1	0
AROCLOR1260	22.487	500.00000	6417216.727322	12834.433455	------	1	------	------	1	0
1260-PK4	22.489	500.00000	1944836.550562	3889.673101	0.01	3	------	------	1	0
1260-PK5	24.625	500.00000	947339.126761	1894.678254	0.01	3	------	------	1	0
DCB	31.006	25.00000	924326.500000	36973.060000	0.01	3	------	------	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
TCMX	0.000000	38739.507143	----------	----------	--------	9
1016-PK1	0.000000	472.423392	----------	----------	--------	9
1016-PK2	0.000000	1836.522121	----------	----------	--------	9
1016-PK3	0.000000	2112.839874	----------	----------	--------	9
1016-PK4	0.000000	2029.916221	----------	----------	--------	9
AROCLOR1016	0.000000	8718.926380	----------	----------	--------	9
1016-PK5	0.000000	1002.740416	----------	----------	--------	9
1260-PK1	0.000000	1610.727665	----------	----------	--------	9
1260-PK2	0.000000	2691.228468	----------	----------	--------	9
1260-PK3	0.000000	2642.679561	----------	----------	--------	9
AROCLOR1260	0.000000	11857.470685	----------	----------	--------	9
1260-PK4	0.000000	3722.589076	----------	----------	--------	9
1260-PK5	0.000000	1190.245915	----------	----------	--------	9
DCB	0.000000	50525.875225	----------	----------	--------	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 : AR1660 250UL-->1ML 00-99 Time : 10/9/00 08:39 AM
Sample Number: .5 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 06:40 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A004.RAW
Result File : C:\TC4\DATA_9\O07A004.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A004.RST
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 66

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.01	0.0127	4.582	------	12685	------
TCMX	29.02	29.0246	4.930	0.002	1124400	145.1
	0.05	0.0538	5.973	------	53765	------
	0.08	0.0834	6.199	------	83378	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.11	0.1149	6.691	------	114909	------
	0.02	0.0235	7.122	------	23465	------
	0.01	0.0090	7.301	------	8976	------
	0.10	0.1029	8.133	------	102870	------
	0.13	0.1279	8.811	------	127882	------
	0.35	0.3488	9.201	------	348752	------
	0.22	0.2161	9.317	------	216126	------
AROCLOR1016	578.82	578.8155	9.786	0.000	5046650	------
	0.12	0.1200	10.707	------	119958	------
	0.62	0.6241	10.983	------	624118	------
	0.52	0.5167	11.081	------	516653	------
	0.51	0.5140	11.283	------	514030	------
	0.37	0.3699	11.405	------	369927	------
	0.23	0.2316	11.555	------	231600	------
	0.08	0.0804	11.990	------	80442	------
	0.78	0.7803	12.448	------	780264	------
	0.23	0.2324	12.621	------	232399	------
	0.50	0.4999	12.975	------	499857	------
	0.13	0.1344	13.196	------	134374	------
	0.07	0.0675	13.324	------	67531	------
	0.12	0.1160	13.564	------	115960	------
	0.20	0.2027	13.837	------	202657	------
	0.53	0.5280	14.196	------	527972	------
	0.56	0.5566	14.475	------	556631	------
	0.03	0.0255	15.068	------	25460	------
	0.04	0.0365	15.677	------	36472	------
	0.03	0.0296	16.025	------	29578	------
	0.10	0.1003	16.316	------	100253	------
	0.42	0.4170	17.177	------	416994	------
	0.08	0.0832	18.394	------	83154	------
	0.01	0.0124	18.639	------	12450	------
	0.57	0.5672	18.933	------	567154	------
	0.01	0.0084	19.295	------	8356	------
	0.90	0.8997	19.546	------	899708	------
	0.59	0.5947	19.759	------	594732	------
	1.32	1.3167	20.007	------	1316678	------
	0.80	0.7962	20.175	------	796233	------
	0.45	0.4528	20.470	------	452785	------
	0.17	0.1704	21.100	------	170406	------
	0.91	0.9088	21.847	------	908849	------
	0.26	0.2622	22.054	------	262247	------
	0.58	0.5753	22.231	------	575275	------
AROCLOR1260	541.20	541.1961	22.487	0.000	6417217	------
	0.08	0.0790	22.770	------	78962	------
	0.08	0.0783	23.768	------	78322	------
	0.55	0.5523	24.249	------	552334	------
	0.23	0.2303	24.455	------	230295	------
	0.03	0.0307	25.053	------	30749	------
	0.03	0.0303	25.820	------	30304	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.01	0.0121	26.396	------	12069	------
	0.16	0.1568	26.700	------	156816	------
	0.42	0.4226	26.882	------	422587	------
	0.13	0.1309	28.906	------	130929	------
DCB	18.29	18.2941	31.004	-0.003	924326	91.5

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	1057.83	1057.8333	6.909	0.001	499745	------
1016-PK2	602.17	602.1668	8.392	0.002	1105893	------
1016-PK3	243.09	243.0913	9.513	0.001	513613	------
1016-PK4	1034.48	1034.4813	9.786	0.002	2099910	------
1016-PK5	825.23	825.2269	10.440	0.001	827488	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	512.07	512.0657	18.015	-0.002	1353226	------
1260-PK1	498.72	498.7249	16.788	-0.001	803310	------
1260-PK2	508.51	508.5059	17.613	-0.001	1368506	------
1260-PK4	522.44	522.4419	22.487	-0.002	1944837	------
1260-PK5	795.92	795.9188	24.624	-0.002	947339	------

Capillary GC -

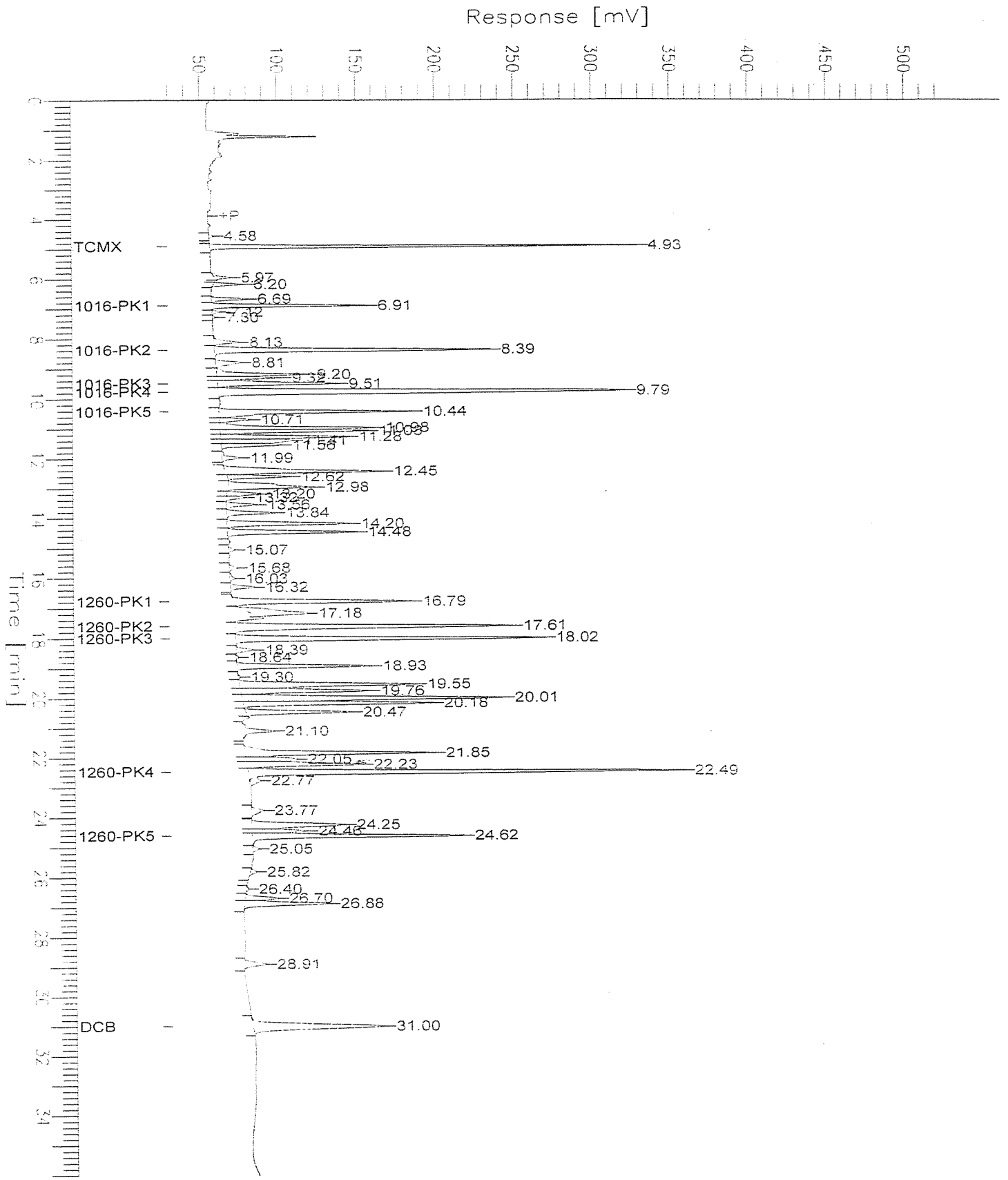
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A004.TX0

Chromatogram

Sample Name : AR1660 250UL-->1ML 00-99
FileName : C:\TC4\DATA_9\007A004.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 30 mV

Sample #: .5 PPM
Date : 10/9/00 08:39 AM
Time of Injection: 10/7/00 06:40 PM
Low Point : 29.51 mV High Point : 529.51 mV
Plot Scale: 500.0 mV



001396

Software Version: 4.1<2F12>
Date: 10/9/00 08:52 AM
Sample Name : AR1660 375UL-->1ML 00-99
Data File : C:\TC4\DATA_9\007A005.RAW Date: 10/7/00 07:20 PM
Sequence File: C:\TC4\DATA_9\007.SEQ Cycle: 5 Channel : A
Instrument : GC-09 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_9\1660_9A.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
TCMX	4.928	37.50000	1691784.000000	45114.240000	0.03	7	------	------	1	0
1016-PK1	6.907	750.00000	727660.000000	970.213333	0.02	7	------	------	1	0
1016-PK2	8.390	750.00000	1590284.826087	2120.379768	0.02	7	------	------	1	0
1016-PK3	9.511	750.00000	774537.500000	1032.716667	0.02	7	------	------	1	0
AROCLOR1016	9.782	750.00000	7356030.279496	9808.040373	------	1	------	------	1	0
1016-PK4	9.784	750.00000	3046680.862500	4062.241150	0.02	7	------	------	1	0
1016-PK5	10.438	750.00000	1216867.090909	1622.489455	0.02	7	------	------	1	0
1260-PK1	16.788	750.00000	1218546.561404	1624.728749	0.01	7	------	------	1	0
1260-PK2	17.613	750.00000	1972359.500000	2629.812667	0.01	7	------	------	1	0
1260-PK3	18.015	750.00000	1950375.812500	2600.501083	0.01	7	------	------	1	0
1260-PK4	22.485	750.00000	2874914.894118	3833.219859	0.02	7	------	------	1	0
AROCLOR1260	22.486	750.00000	9459691.055150	12612.921407	------	1	------	------	1	0
1260-PK5	24.625	750.00000	1443494.287129	1924.659050	0.01	7	------	------	1	0
DCB	31.002	37.50000	1377486.000000	36732.960000	0.01	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
TCMX	0.000000	44163.645238	----------	----------	--------	9
1016-PK1	0.000000	961.374599	----------	----------	--------	9
1016-PK2	0.000000	2132.671073	----------	----------	--------	9
1016-PK3	0.000000	1001.519692	----------	----------	--------	9
AROCLOR1016	0.000000	9799.629807	----------	----------	--------	9
1016-PK4	0.000000	4088.167581	----------	----------	--------	9
1016-PK5	0.000000	1615.896861	----------	----------	--------	9
1260-PK1	0.000000	1610.727665	----------	----------	--------	9
1260-PK2	0.000000	2691.228468	----------	----------	--------	9
1260-PK3	0.000000	2642.679561	----------	----------	--------	9
1260-PK4	0.000000	3817.571670	----------	----------	--------	9
AROCLOR1260	0.000000	12654.905809	----------	----------	--------	9
1260-PK5	0.000000	1892.698445	----------	----------	--------	9
DCB	0.000000	36142.144808	----------	----------	--------	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 : AR1660 375UL-->1ML 00-99 Time : 10/9/00 08:52 AM
Sample Number: .75 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 07:20 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A005.RAW
Result File : C:\TC4\DATA_9\O07A005.rst
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A005.rst
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 69

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.01	0.0090	4.218	------	9048	------
	0.02	0.0151	4.592	------	15051	------
TCMX	38.31	38.3072	4.926	-0.002	1691784	191.5
	0.08	0.0818	5.969	------	81773	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.13	0.1282	6.195	------	128232	------
	0.17	0.1739	6.687	------	173947	------
	0.04	0.0391	7.117	------	39096	------
	0.01	0.0131	7.294	------	13080	------
	0.16	0.1571	8.128	------	157058	------
	0.19	0.1929	8.804	------	192861	------
	0.54	0.5385	9.197	------	538459	------
	0.30	0.3033	9.313	------	303276	------
AROCLOR1016	750.64	750.6437	9.782	0.000	7356030	------
	0.18	0.1795	10.703	------	179459	------
	0.95	0.9505	10.979	------	950485	------
	0.72	0.7220	11.077	------	721958	------
	0.77	0.7655	11.280	------	765496	------
	0.55	0.5472	11.402	------	547179	------
	0.34	0.3359	11.551	------	335923	------
	0.12	0.1246	11.988	------	124557	------
	1.15	1.1511	12.444	------	1151117	------
	0.34	0.3415	12.618	------	341501	------
	0.75	0.7531	12.972	------	753093	------
	0.21	0.2085	13.193	------	208546	------
	0.10	0.1006	13.322	------	100646	------
	0.18	0.1755	13.561	------	175547	------
	0.31	0.3055	13.835	------	305463	------
	0.77	0.7723	14.193	------	772296	------
	0.81	0.8129	14.473	------	812868	------
	0.01	0.0119	14.797	------	11857	------
	0.04	0.0407	15.065	------	40687	------
	0.06	0.0577	15.675	------	57708	------
	0.05	0.0454	16.023	------	45446	------
	0.15	0.1548	16.314	------	154838	------
	0.92	0.9187	17.176	------	918702	------
	0.15	0.1458	17.336	------	145829	------
	0.13	0.1268	18.393	------	126823	------
	0.02	0.0186	18.637	------	18576	------
	0.85	0.8484	18.933	------	848354	------
	0.01	0.0115	19.295	------	11460	------
	1.31	1.3088	19.541	------	1308806	------
	0.88	0.8770	19.761	------	876996	------
	1.93	1.9292	20.007	------	1929166	------
	1.15	1.1453	20.173	------	1145277	------
	0.67	0.6668	20.470	------	666846	------
	0.26	0.2643	21.099	------	264272	------
	1.34	1.3419	21.846	------	1341879	------
	0.40	0.3987	22.055	------	398690	------
	0.86	0.8591	22.230	------	859135	------
AROCLOR1260	747.51	747.5118	22.486	0.000	9459691	------
	0.12	0.1229	22.769	------	122946	------
	0.13	0.1312	23.769	------	131239	------
	0.85	0.8510	24.248	------	850994	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.36	0.3554	24.456	------	355370	------
	0.05	0.0532	25.053	------	53174	------
	0.05	0.0472	25.823	------	47160	------
	0.02	0.0226	26.401	------	22637	------
	0.26	0.2599	26.699	------	259887	------
	0.68	0.6836	26.880	------	683553	------
	0.22	0.2202	28.903	------	220221	------
DCB	38.11	38.1130	30.999	-0.003	1377486	190.6

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	756.90	756.8954	6.905	-0.002	727660	------
1016-PK2	745.68	745.6775	8.388	-0.003	1590285	------
1016-PK3	773.36	773.3622	9.509	-0.002	774538	------
1016-PK4	745.24	745.2436	9.782	-0.003	3046681	------
1016-PK5	753.06	753.0599	10.435	-0.003	1216867	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	738.03	738.0296	18.013	-0.002	1950376	------
1260-PK1	756.52	756.5193	16.786	-0.002	1218547	------
1260-PK2	732.88	732.8845	17.611	-0.002	1972359	------
1260-PK4	753.07	753.0742	22.486	0.000	2874915	------
1260-PK5	762.66	762.6647	24.625	0.001	1443494	------

Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C

Detector Temp : 320C
Injection Vol : 1 ul per column

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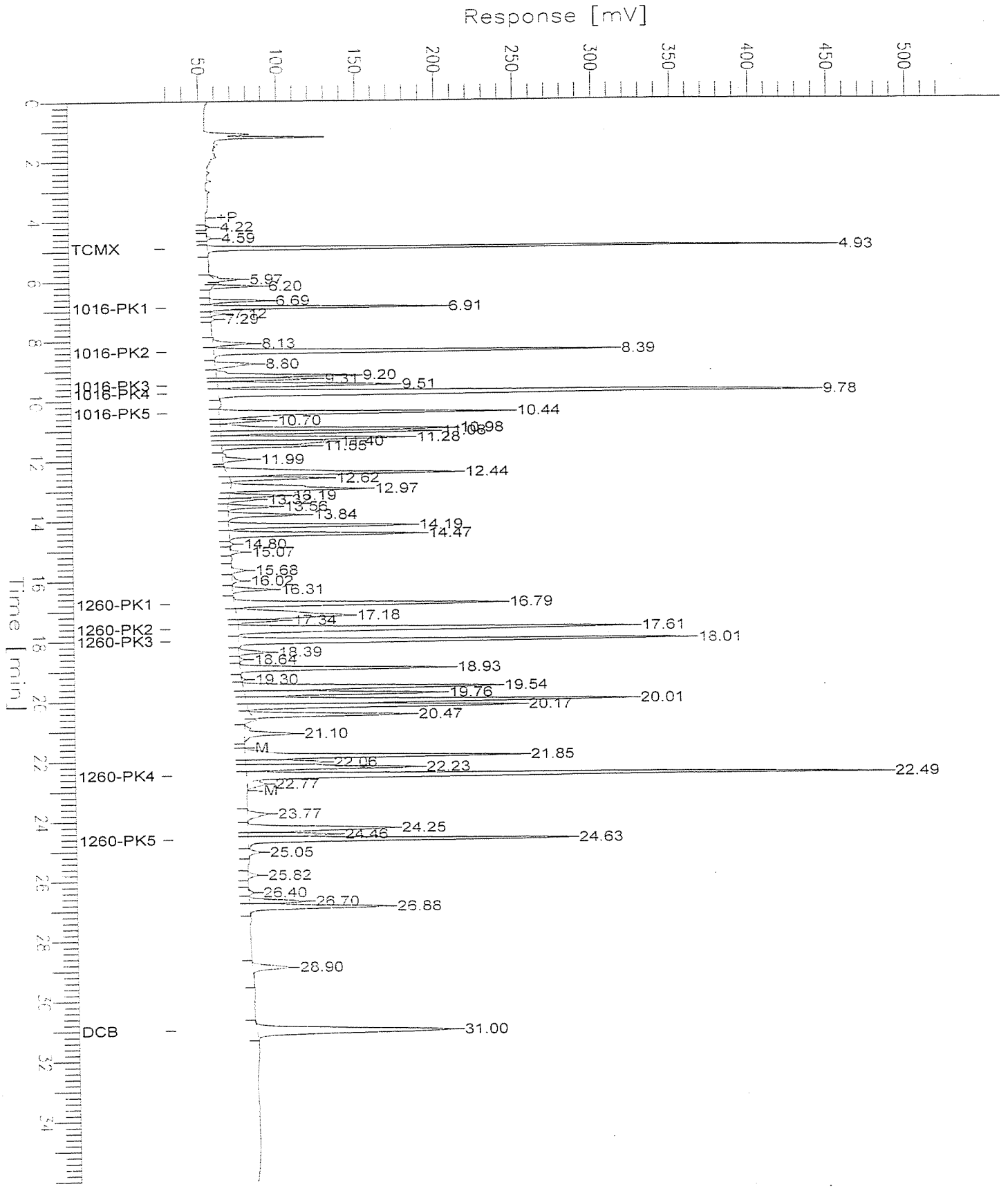
Report stored in ASCII file: C:\TC4\DATA_9\O07A005.TXO

Chromatogram

Sample Name : AR1660 375UL-->1ML 00-99
FileName : C:\TC4\DATA_9\007A005.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 29 mV

Sample #: .75 PPM
Date : 10/9/00 08:52 AM
Time of Injection: 10/7/00 07:20 PM
Low Point : 28.82 mV High Point : 528.82 mV
Plot Scale: 500.0 mV



Software Version: 4.1<2F12>
Date: 10/9/00 08:52 AM
Sample Name : AR1660 500UL-->1ML 00-99
Data File : C:\TC4\DATA_9\007A006.RAW Date: 10/7/00 08:00 PM
Sequence File: C:\TC4\DATA_9\007.SEQ Cycle: 6 Channel : A
Instrument : GC-09 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_9\1660_9A.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
TCMX	4.928	50.00000	2267502.500000	45350.050000	0.03	7	------	------	1	0
1016-PK1	6.907	1000.00000	947361.800000	947.361800	0.02	7	------	------	1	0
1016-PK2	8.390	1000.00000	2069903.469388	2069.903469	0.02	7	------	------	1	0
1016-PK3	9.511	1000.00000	1040148.886076	1040.148886	0.02	7	------	------	1	0
1016-PK4	9.784	1000.00000	3994201.303797	3994.201304	0.02	7	------	------	1	0
AROCLOR1016	9.784	1000.00000	9672077.712135	9672.077712	------	1	------	------	1	0
1016-PK5	10.438	1000.00000	1620462.252874	1620.462253	0.02	7	------	------	1	0
1260-PK1	16.788	1000.00000	1638748.950617	1638.748951	0.01	7	------	------	1	0
1260-PK2	17.613	1000.00000	2626333.290123	2626.333290	0.01	7	------	------	1	0
1260-PK3	18.015	1000.00000	2579346.426829	2579.346427	0.01	7	------	------	1	0
1260-PK4	22.485	1000.00000	3872927.744186	3872.927744	0.02	7	------	------	1	0
AROCLOR1260	22.486	1000.00000	1.26493721e+07	12649.372078	------	1	------	------	1	0
1260-PK5	24.625	1000.00000	1932015.666667	1932.015667	0.01	7	------	------	1	0
DCB	31.002	50.00000	1848321.000000	36966.420000	0.01	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
TCMX	0.000000	44163.645238	----------	----------	--------	9
1016-PK1	0.000000	961.374599	----------	----------	--------	9
1016-PK2	0.000000	2132.671073	----------	----------	--------	9
1016-PK3	0.000000	1001.519692	----------	----------	--------	9
1016-PK4	0.000000	4088.167581	----------	----------	--------	9
AROCLOR1016	0.000000	9799.629807	----------	----------	--------	9
1016-PK5	0.000000	1615.896861	----------	----------	--------	9
1260-PK1	0.000000	1610.727665	----------	----------	--------	9
1260-PK2	0.000000	2691.228468	----------	----------	--------	9
1260-PK3	0.000000	2642.679561	----------	----------	--------	9
1260-PK4	0.000000	3843.632276	----------	----------	--------	9
AROCLOR1260	0.000000	12680.966415	----------	----------	--------	9
1260-PK5	0.000000	1892.698445	----------	----------	--------	9
DCB	0.000000	36142.144808	----------	----------	--------	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 : AR1660 500UL-->1ML 00-99 Time : 10/9/00 08:52 AM
Sample Number: 1 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 08:00 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A006.RAW
Result File : C:\TC4\DATA_9\O07A006.rst
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A006.rst
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 69

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.01	0.0126	4.221	------	12594	------
	0.02	0.0163	4.595	------	16298	------
TCMX	51.34	51.3432	4.929	0.001	2267502	256.7
	0.11	0.1094	5.972	------	109361	------

BOE-C6-0164599

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.48	0.4831	24.453	------	483131	------
	0.07	0.0695	25.050	------	69525	------
	0.07	0.0673	25.821	------	67336	------
	0.03	0.0300	26.396	------	29997	------
	0.36	0.3592	26.696	------	359186	------
	0.92	0.9203	26.879	------	920308	------
	0.29	0.2939	28.899	------	293893	------
DCB	51.14	51.1403	30.997	-0.005	1848321	255.7

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	985.42	985.4242	6.907	0.000	947362	------
1016-PK2	970.57	970.5685	8.391	0.001	2069903	------
1016-PK3	1038.57	1038.5706	9.511	5e-05	1040149	------
1016-PK4	977.02	977.0151	9.784	6e-05	3994201	------
1016-PK5	1002.83	1002.8253	10.439	0.001	1620462	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	976.03	976.0345	18.015	-0.000	2579346	------
1260-PK1	1017.40	1017.3967	16.789	0.001	1638749	------
1260-PK2	975.89	975.8864	17.613	0.000	2626333	------
1260-PK4	1007.62	1007.6218	22.486	0.001	3872928	------
1260-PK5	1020.77	1020.7731	24.622	-0.002	1932016	------

Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C

Detector Temp : 320C
Injection Vol : 1 ul per column

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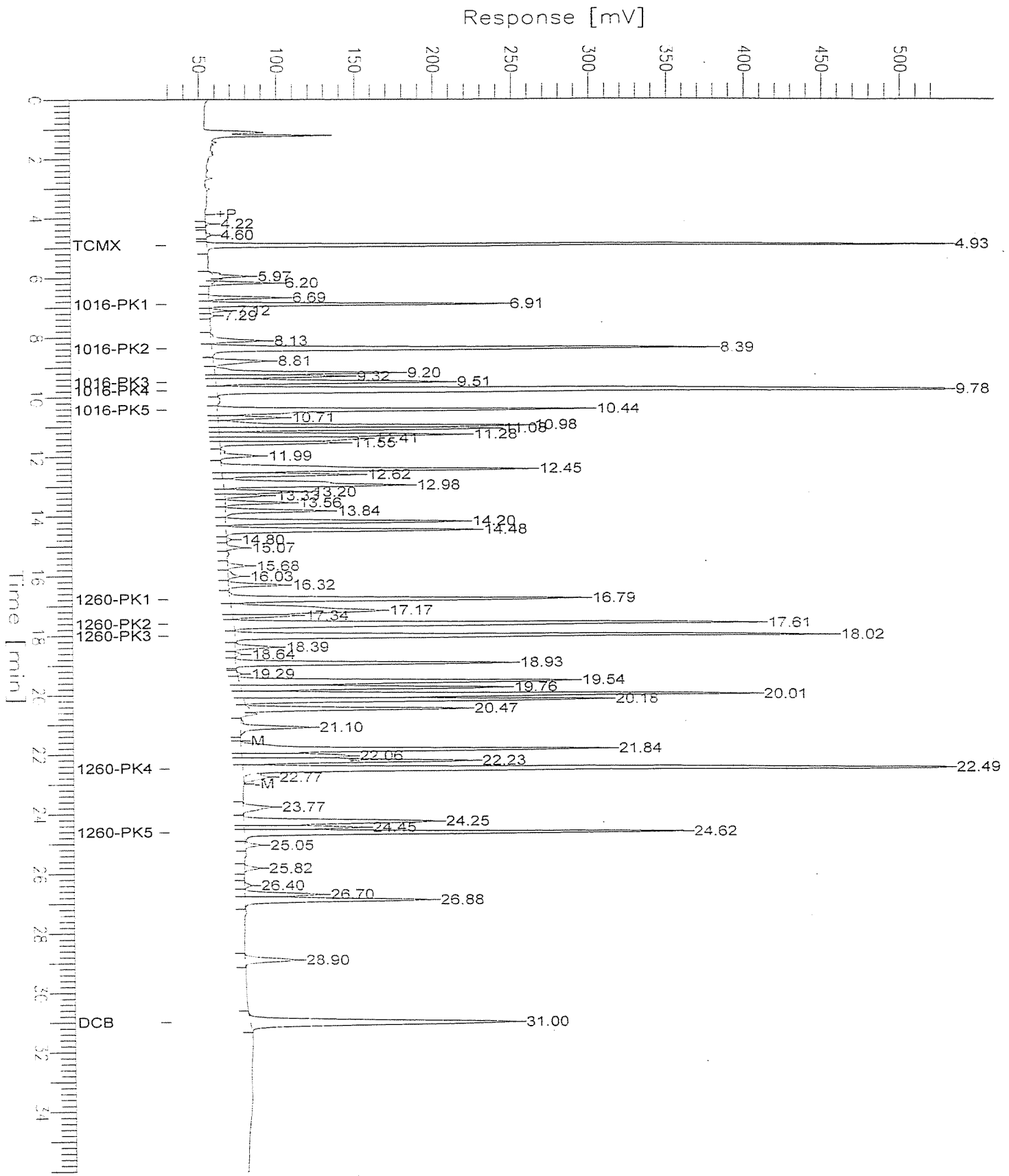
Report stored in ASCII file: C:\TC4\DATA_9\O07A006.TX0

Chromatogram

Sample Name : AR1660 500UL-->1ML 00-99
FileName : C:\TC4\DATA_9\007A006.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 28 mV

Sample #: 1 PPM Page 1 of 1
Date : 10/9/00 08:52 AM
Time of Injection: 10/7/00 08:00 PM
Low Point : 28.50 mV High Point : 528.50 mV
Plot Scale: 500.0 mV



001410

Software Version: 4.1<2F12>
Date: 10/9/00 08:53 AM
Sample Name : AR1660 750UL-->1ML 00-99
Data File : C:\TC4\DATA_9\007A007.RAW Date: 10/7/00 08:40 PM
Sequence File: C:\TC4\DATA_9\007.SEQ Cycle: 7 Channel : A
Instrument : GC-09 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_9\1660_9A.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
TCMX	4.928	75.00000	3272240.000000	43629.866667	0.03	7	------	------	1	0
1016-PK1	6.907	1500.00000	1325518.961538	883.679308	0.02	7	------	------	1	0
1016-PK2	8.390	1500.00000	2873911.204082	1915.940803	0.02	7	------	------	1	0
1016-PK3	9.511	1500.00000	1450806.620253	967.204414	0.02	7	------	------	1	0
1016-PK4	9.784	1500.00000	5626019.645570	3750.679764	0.02	7	------	------	1	0
AROCLOR1016	9.788	1500.00000	1.35833511e+07	9055.567399	------	1	------	------	1	0
1016-PK5	10.438	1500.00000	2307094.666667	1538.063111	0.02	7	------	------	1	0
1260-PK1	16.788	1500.00000	2340603.012346	1560.402008	0.01	7	------	------	1	0
1260-PK2	17.613	1500.00000	3725413.302469	2483.608868	0.01	7	------	------	1	0
1260-PK3	18.015	1500.00000	3663759.902439	2442.506602	0.01	7	------	------	1	0
AROCLOR1260	22.485	1500.00000	1.81496270e+07	12099.751300	------	1	------	------	1	0
1260-PK4	22.485	1500.00000	5597976.400000	3731.984267	0.02	7	------	------	1	0
1260-PK5	24.625	1500.00000	2821874.333333	1881.249556	0.01	7	------	------	1	0
DCB	31.002	75.00000	2658661.000000	35448.813333	0.01	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:

0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
TCMX	0.000000	44163.645238	----------	----------	--------	9
1016-PK1	0.000000	961.374599	----------	----------	--------	9
1016-PK2	0.000000	2132.671073	----------	----------	--------	9
1016-PK3	0.000000	1001.519692	----------	----------	--------	9
1016-PK4	0.000000	4088.167581	----------	----------	--------	9
AROCLOR1016	0.000000	9799.629807	----------	----------	--------	9
1016-PK5	0.000000	1615.896861	----------	----------	--------	9
1260-PK1	0.000000	1610.727665	----------	----------	--------	9
1260-PK2	0.000000	2691.228468	----------	----------	--------	9
1260-PK3	0.000000	2642.679561	----------	----------	--------	9
AROCLOR1260	0.000000	12706.334739	----------	----------	--------	9
1260-PK4	0.000000	3869.000600	----------	----------	--------	9
1260-PK5	0.000000	1892.698445	----------	----------	--------	9
DCB	0.000000	36142.144808	----------	----------	--------	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 : AR1660 750UL-->1ML 00-99 Time : 10/9/00 08:53 AM
Sample Number: 1.5 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 08:40 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A007.RAW
Result File : C:\TC4\DATA_9\O07A007.rst
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A007.rst
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 68

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.02	0.0188	4.220	------	18823	------
TCMX	74.09	74.0935	4.929	0.001	3272240	370.5
	0.15	0.1537	5.972	------	153678	------
	0.26	0.2556	6.198	------	255607	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.34	0.3352	6.691	------	335237	------
	0.08	0.0765	7.122	------	76469	------
	0.33	0.3288	8.132	------	328843	------
	0.38	0.3790	8.806	------	378989	------
	1.04	1.0379	9.202	------	1037858	------
	0.63	0.6337	9.316	------	633679	------
AROCLOR1016	1386.11	1386.1086	9.788	0.000	13583351	------
	0.36	0.3567	10.706	------	356715	------
	1.78	1.7814	10.983	------	1781388	------
	1.36	1.3614	11.079	------	1361386	------
	1.54	1.5416	11.283	------	1541593	------
	0.94	0.9428	11.406	------	942815	------
	0.67	0.6726	11.554	------	672570	------
	0.25	0.2509	11.992	------	250881	------
	2.24	2.2394	12.448	------	2239369	------
	0.76	0.7595	12.621	------	759519	------
	1.63	1.6307	12.977	------	1630679	------
	0.45	0.4533	13.198	------	453254	------
	0.22	0.2239	13.327	------	223887	------
	0.35	0.3534	13.564	------	353368	------
	0.61	0.6104	13.837	------	610404	------
	1.46	1.4644	14.194	------	1464396	------
	1.53	1.5347	14.475	------	1534740	------
	0.03	0.0275	14.800	------	27477	------
	0.09	0.0901	15.069	------	90139	------
	0.01	0.0130	15.284	------	13036	------
	0.13	0.1261	15.676	------	126109	------
	0.09	0.0909	16.025	------	90870	------
	0.32	0.3232	16.317	------	323231	------
	1.81	1.8129	17.174	------	1812915	------
	0.32	0.3196	17.338	------	319603	------
	0.25	0.2530	18.396	------	252978	------
	0.04	0.0398	18.639	------	39839	------
	1.71	1.7142	18.934	------	1714200	------
	0.02	0.0224	19.296	------	22370	------
	2.51	2.5091	19.544	------	2509122	------
	1.74	1.7361	19.761	------	1736140	------
	3.75	3.7496	20.007	------	3749566	------
	2.20	2.1950	20.174	------	2195043	------
	1.32	1.3187	20.472	------	1318719	------
	0.48	0.4774	21.100	------	477404	------
	2.63	2.6252	21.847	------	2625205	------
	0.81	0.8106	22.051	------	810641	------
	1.69	1.6852	22.230	------	1685250	------
AROCLOR1260	1428.39	1428.3920	22.485	0.000	18149627	------
	0.25	0.2465	22.769	------	246509	------
	0.26	0.2627	23.771	------	262720	------
	1.67	1.6694	24.250	------	1669360	------
	0.70	0.7049	24.457	------	704945	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.10	0.1006	25.053	------	100567	------
	0.10	0.1018	25.823	------	101780	------
	0.05	0.0460	26.401	------	46019	------
	0.52	0.5222	26.700	------	522178	------
	1.35	1.3542	26.881	------	1354188	------
	0.43	0.4349	28.903	------	434948	------
DCB	73.56	73.5612	31.002	-1e-04	2658661	367.8

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	1378.77	1378.7747	6.908	0.001	1325519	------
1016-PK2	1347.56	1347.5642	8.392	0.001	2873911	------
1016-PK3	1448.61	1448.6052	9.512	0.001	1450807	------
1016-PK4	1376.17	1376.1715	9.788	0.003	5626020	------
1016-PK5	1427.75	1427.7487	10.439	0.001	2307095	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	1386.38	1386.3807	18.015	0.000	3663760	------
1260-PK1	1453.13	1453.1339	16.787	-0.001	2340603	------
1260-PK2	1384.28	1384.2798	17.612	-0.000	3725413	------
1260-PK4	1446.88	1446.8792	22.485	-0.000	5597976	------
1260-PK5	1490.93	1490.9265	24.625	-0.000	2821874	------

Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C

Injection Vol : 1 ul per column

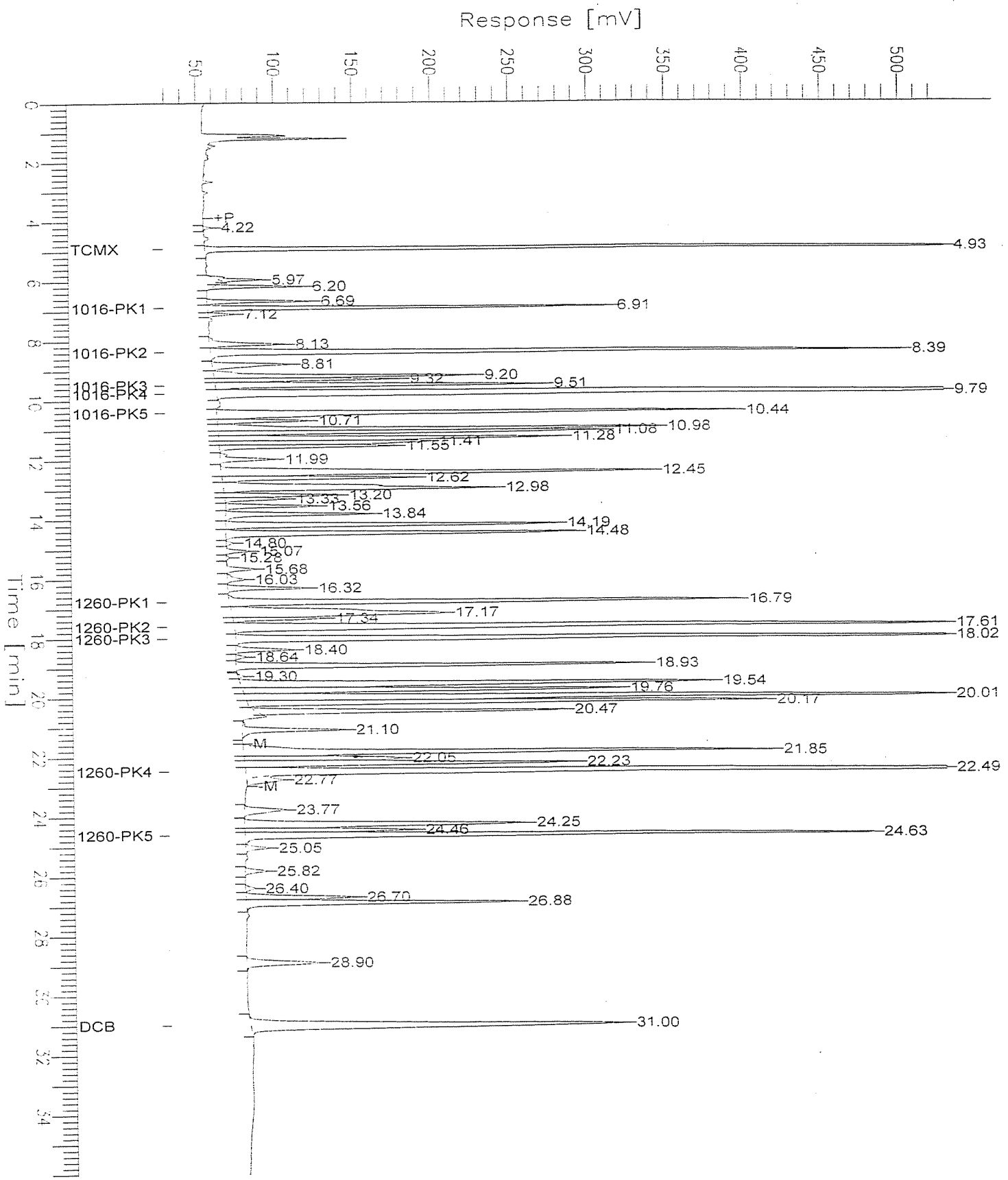
==========

Report stored in ASCII file: C:\TC4\DATA_9\O07A007.TX0

Chromatogram

Sample Name : AR1660 750UL-->1ML 00-99
FileName : C:\TC4\DATA_9\007A007.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 29 mV

Sample #: 1.5 PPM
Date : 10/9/00 08:53 AM
Time of Injection: 10/7/00 08:40 PM
Low Point : 28.83 mV High Point : 528.83 mV
Plot Scale: 500.0 mV



001417

Software Version: 4.1<2F12>
Date: 10/9/00 08:39 AM
Sample Name : AR1660 00-99
Data File : C:\TC4\DATA_9\007A008.RAW Date: 10/7/00 09:19 PM
Sequence File: C:\TC4\DATA_9\007.SEQ Cycle: 8 Channel : A
Instrument : GC-09 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

==========

Updating method : C:\TC4\DATA_9\1660_9A.mth
Calibration performed at level: 7
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
TCMX	4.928	100.00000	4265968.000000	42659.680000	0.03	7	------	------	1	0
1016-PK1	6.907	2000.00000	1667124.720930	833.562360	0.02	7	------	------	1	0
1016-PK2	8.390	2000.00000	3599485.160305	1799.742580	0.02	7	------	------	1	0
1016-PK3	9.511	2000.00000	1903760.236641	951.880118	0.02	7	------	------	1	0
AROCLOR1016	9.783	2000.00000	1.72455715e+07	8622.785736	------	1	------	------	1	0
1016-PK4	9.784	2000.00000	7109021.404580	3554.510702	0.02	7	------	------	1	0
1016-PK5	10.438	2000.00000	2966179.948864	1483.089974	0.02	7	------	------	1	0
1260-PK1	16.788	2000.00000	3011317.900000	1505.658950	0.01	7	------	------	1	0
1260-PK2	17.613	2000.00000	4722186.900000	2361.093450	0.01	7	------	------	1	0
1260-PK3	18.015	2000.00000	4644117.369048	2322.058685	0.01	7	------	------	1	0
AROCLOR1260	22.475	2000.00000	2.31675712e+07	11583.785616	------	1	------	------	1	0
1260-PK4	22.485	2000.00000	7120307.062500	3560.153531	0.02	7	------	------	1	0
1260-PK5	24.625	2000.00000	3669642.000000	1834.821000	0.01	7	------	------	1	0
DCB	31.002	100.00000	3447997.000000	34479.970000	0.01	7	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:

0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
TCMX	0.000000	44163.645238	----------	----------	--------	9
1016-PK1	0.000000	961.374599	----------	----------	--------	9
1016-PK2	0.000000	2131.815721	----------	----------	--------	9
1016-PK3	0.000000	1000.744538	----------	----------	--------	9
AROCLOR1016	0.000000	9797.999301	----------	----------	--------	9
1016-PK4	0.000000	4088.167581	----------	----------	--------	9
1016-PK5	0.000000	1615.896861	----------	----------	--------	9
1260-PK1	0.000000	1610.727665	----------	----------	--------	9
1260-PK2	0.000000	2691.228468	----------	----------	--------	9
1260-PK3	0.000000	2642.679561	----------	----------	--------	9
AROCLOR1260	0.000000	12669.290477	----------	----------	--------	9
1260-PK4	0.000000	3722.589076	----------	----------	--------	9
1260-PK5	0.000000	2002.065707	----------	----------	--------	9
DCB	0.000000	50525.875225	----------	----------	--------	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 : AR1660 00-99 Time : 10/9/00 08:39 AM
Sample Number: 2 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 09:19 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A008.RAW
Result File : C:\TC4\DATA_9\O07A008.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A008.RST
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 69

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.03	0.0252	4.219	------	25160	------
TCMX	96.59	96.5946	4.927	-0.002	4265968	483.0
	0.36	0.3569	5.971	------	356890	------
	0.38	0.3815	6.197	------	381515	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.44	0.4371	6.688	------	437054	------
	0.11	0.1096	7.120	------	109615	------
	0.40	0.3954	8.131	------	395374	------
	0.48	0.4767	8.804	------	476712	------
	1.37	1.3668	9.199	------	1366792	------
	0.75	0.7484	9.314	------	748388	------
AROCLOR1016	1760.11	1760.1115	9.783	0.000	17245571	------
	0.46	0.4623	10.705	------	462268	------
	2.32	2.3184	10.981	------	2318387	------
	1.70	1.6963	11.077	------	1696291	------
	1.83	1.8318	11.281	------	1831821	------
	1.34	1.3364	11.400	------	1336424	------
	0.84	0.8423	11.551	------	842292	------
	0.32	0.3242	11.988	------	324212	------
	2.87	2.8700	12.446	------	2870049	------
	0.97	0.9726	12.619	------	972579	------
	2.13	2.1277	12.974	------	2127708	------
	0.60	0.6020	13.196	------	602020	------
	0.28	0.2797	13.322	------	279663	------
	0.46	0.4624	13.562	------	462367	------
	0.79	0.7929	13.836	------	792860	------
	1.86	1.8631	14.193	------	1863142	------
	1.96	1.9550	14.472	------	1955014	------
	0.05	0.0453	14.795	------	45279	------
	0.12	0.1244	15.067	------	124440	------
	0.18	0.1777	15.676	------	177737	------
	0.13	0.1250	16.025	------	125024	------
	0.45	0.4453	16.315	------	445259	------
	2.32	2.3250	17.176	------	2324992	------
	0.41	0.4124	17.339	------	412430	------
	0.32	0.3246	18.396	------	324576	------
	0.05	0.0513	18.639	------	51312	------
	2.24	2.2356	18.933	------	2235558	------
	0.04	0.0389	19.296	------	38854	------
	3.25	3.2521	19.543	------	3252142	------
	2.30	2.2956	19.760	------	2295589	------
	4.90	4.9046	20.005	------	4904641	------
	2.91	2.9119	20.173	------	2911928	------
	1.97	1.9697	20.470	------	1969667	------
	0.10	0.1037	20.648	------	103683	------
	0.68	0.6784	21.097	------	678422	------
	3.41	3.4137	21.846	------	3413715	------
	1.07	1.0718	22.055	------	1071785	------
	2.20	2.1991	22.230	------	2199096	------
AROCLOR1260	1828.64	1828.6400	22.475	0.000	23167571	------
	0.34	0.3375	22.771	------	337481	------
	0.35	0.3507	23.770	------	350695	------
	2.18	2.1752	24.250	------	2175231	------
	0.93	0.9262	24.455	------	926170	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.13	0.1340	25.053	------	134049	------
	0.14	0.1377	25.822	------	137740	------
	0.07	0.0663	26.399	------	66348	------
	0.70	0.7035	26.701	------	703494	------
	1.80	1.8001	26.882	------	1800137	------
	0.03	0.0274	27.314	------	27391	------
	0.57	0.5733	28.901	------	573301	------
DCB	68.24	68.2422	31.001	-0.002	3447997	341.2

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	1734.11	1734.1052	6.906	-0.001	1667125	------
1016-PK2	1688.46	1688.4598	8.390	-0.000	3599485	------
1016-PK3	1902.34	1902.3439	9.510	-0.002	1903760	------
1016-PK4	1738.93	1738.9261	9.783	-0.001	7109021	------
1016-PK5	1835.62	1835.6246	10.437	-0.001	2966180	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	1757.35	1757.3517	18.013	-0.002	4644117	------
1260-PK1	1869.54	1869.5388	16.788	-0.000	3011318	------
1260-PK2	1754.66	1754.6585	17.612	-0.001	4722187	------
1260-PK4	1912.73	1912.7298	22.475	-0.012	7120307	------
1260-PK5	1832.93	1832.9279	24.624	-0.001	3669642	------

Capillary GC -

Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C

Detector Temp : 320C
Injection Vol : 1 ul per column

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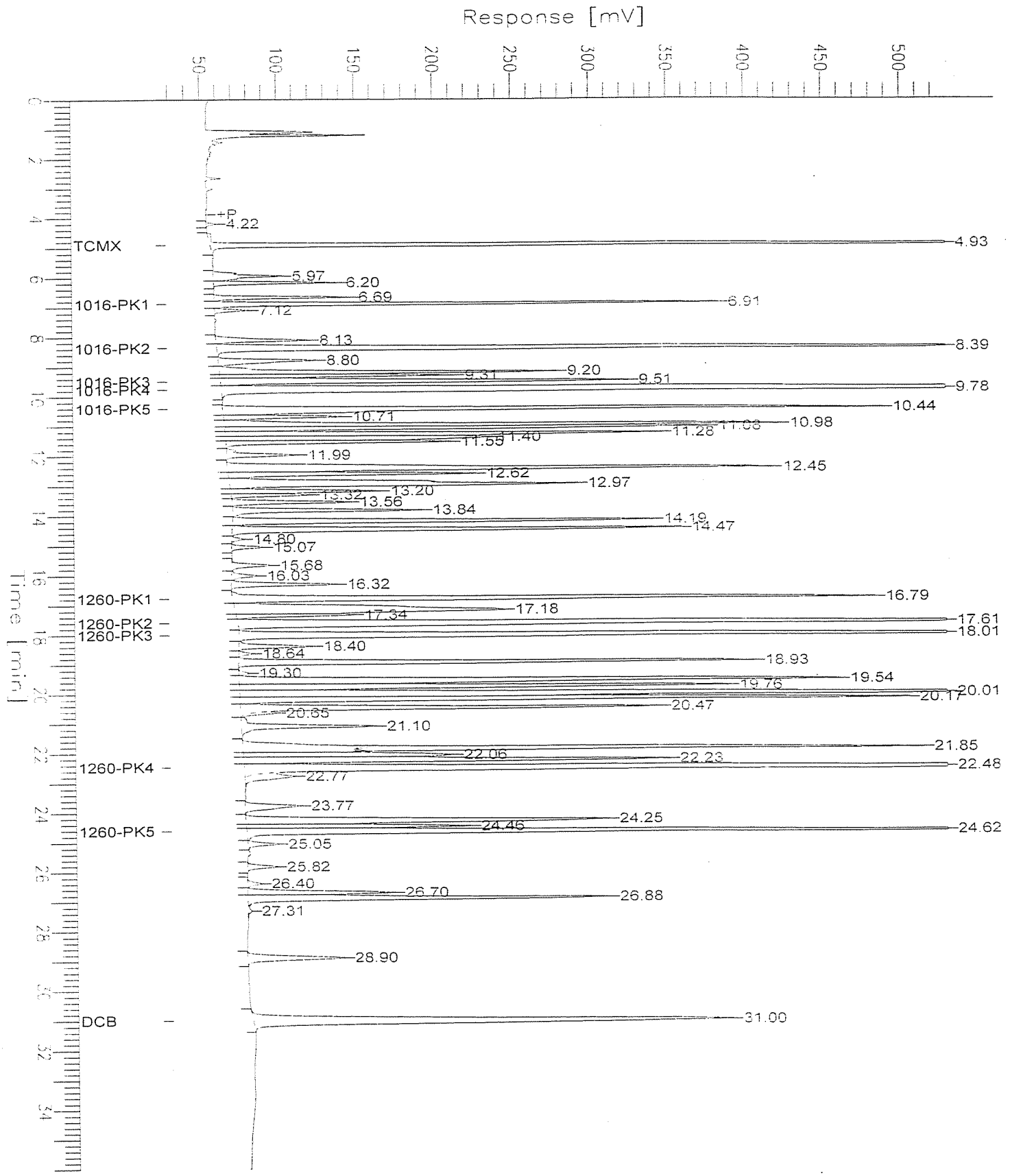
Report stored in ASCII file: C:\TC4\DATA_9\O07A008.TXO

Chromatogram

Sample Name : AR1660 00-99
FileName : C:\TC4\DATA_9\007A008.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 29 mV

Sample #: 2 PPM
Date : 10/9/00 08:39 AM
Time of Injection: 10/7/00 09:19 PM
Low Point : 28.83 mV High Point : 528.83 mV
Plot Scale: 500.0 mV



001424

Software Version: 4.1<2F12>
Sample Name : AR1232 00-138, 0.5UG/ML Time : 10/9/00 08:57 AM
Sample Number: .5 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 10:39 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A010.RAW
Result File : C:\TC4\DATA_9\O07A010.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A010.RST
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 48

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.14	0.1363	4.220	------	136319	------
	0.01	0.0131	4.592	------	13074	------
TCMX	29.18	29.1754	4.929	0.001	1288494	145.9
	0.09	0.0937	5.973	------	93697	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.21	0.2111	6.196	------	211103	------
	0.19	0.1874	6.690	------	187378	------
	0.07	0.0697	7.121	------	69681	------
	0.10	0.0986	8.061	------	98614	------
	0.07	0.0691	8.812	------	69078	------
	0.18	0.1805	9.201	------	180498	------
	0.11	0.1058	9.317	------	105794	------
AROCLOR1016	301.50	301.4989	9.786	0.000	2954578	------
	0.04	0.0439	10.707	------	43944	------
	0.27	0.2746	10.982	------	274580	------
	0.20	0.1993	11.081	------	199273	------
	0.13	0.1268	11.284	------	126766	------
	0.03	0.0304	11.555	------	30412	------
	0.03	0.0274	11.991	------	27426	------
	0.43	0.4345	12.446	------	434549	------
	0.14	0.1425	12.621	------	142529	------
	0.28	0.2763	12.976	------	276278	------
	0.09	0.0883	13.193	------	88303	------
	0.18	0.1831	13.326	------	183066	------
	0.33	0.3329	13.564	------	332856	------
	0.39	0.3893	13.833	------	389332	------
	0.08	0.0752	14.193	------	75169	------
	0.10	0.1038	14.481	------	103790	------
	0.04	0.0426	14.798	------	42632	------
	0.30	0.2962	15.068	------	296201	------
	0.05	0.0476	15.682	------	47578	------
	0.05	0.0536	16.027	------	53576	------
	0.05	0.0510	16.314	------	51026	------
	0.06	0.0619	16.617	------	61862	------
AROCLOR1260	10.22	10.2208	16.804	0.000	129869	------
	0.01	0.0098	17.089	------	9779	------
	0.07	0.0651	17.342	------	65082	------
	0.05	0.0548	19.295	------	54835	------
	0.01	0.0108	19.535	------	10777	------
	0.01	0.0144	20.009	------	14372	------
	0.02	0.0155	20.930	------	15466	------
DCB	27.96	27.9621	30.997	-0.006	1010609	139.8

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	618.72	618.7202	6.909	0.001	594822	------
1016-PK2	294.72	294.7228	8.391	0.000	628547	------
1016-PK3	270.28	270.2801	9.513	0.002	270691	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK4	255.77	255.7676	9.786	0.001	1045621	------
1016-PK5	256.76	256.7598	10.439	0.001	414897	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	6.60	6.5975	17.872	-0.142	17435	------
1260-PK1	56.51	56.5144	16.804	0.016	91029	------
1260-PK2	4.24	4.2427	17.613	-0.000	11418	------
1260-PK4	2.58	2.5813	22.482	-0.003	9987	------
1260-PK5	0.00	0.0000	24.625	------	0	------

Capillary GC -

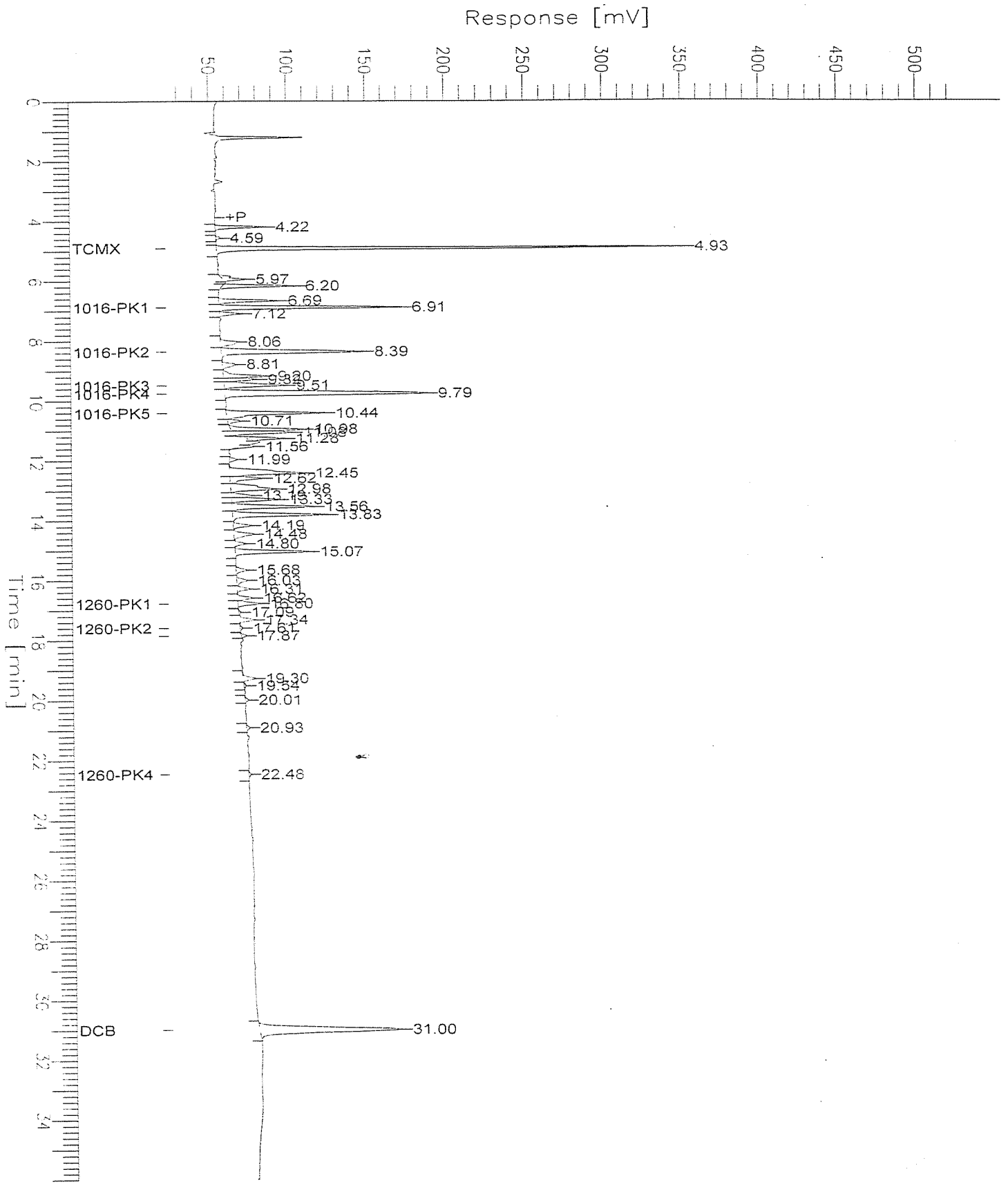
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A010.TX0

Chromatogram

Sample Name : AR1232 00-138, 0.5UG/ML
FileName : C:\TC4\DATA_9\007A010.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 23 mV

Sample #: .5 PPM
Date : 10/9/00 08:58 AM
Time of Injection: 10/7/00 10:39 PM
Low Point : 22.81 mV High Point : 522.81 mV
Plot Scale: 500.0 mV



001428

Software Version: 4.1<2F12>
Sample Name : AR1242 00-108,0.5UG/ML Time : 10/9/00 08:58 AM
Sample Number: .5 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 11:19 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A011.RAW
Result File : C:\TC4\DATA_9\O07A011.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A011.RST
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 50

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.01	0.0106	4.219	------	10559	------
	0.01	0.0133	4.593	------	13280	------
TCMX	28.24	28.2372	4.927	-0.001	1247059	141.2
	0.06	0.0593	5.971	------	59338	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.09	0.0928	6.195	------	92771	------
	0.13	0.1262	6.688	------	126209	------
	0.03	0.0305	7.118	------	30497	------
	0.01	0.0101	7.297	------	10135	------
	0.10	0.0989	8.128	------	98914	------
	0.12	0.1171	8.806	------	117093	------
	0.32	0.3227	9.198	------	322729	------
	0.19	0.1855	9.314	------	185521	------
AROCLOR1016	464.22	464.2192	9.782	0.000	4549176	------
	0.11	0.1075	10.703	------	107496	------
	0.58	0.5831	10.980	------	583076	------
	0.47	0.4653	11.078	------	465317	------
	0.46	0.4649	11.280	------	464905	------
	0.32	0.3172	11.400	------	317249	------
	0.19	0.1907	11.552	------	190736	------
	0.08	0.0805	11.987	------	80476	------
	0.86	0.8638	12.442	------	863838	------
	0.27	0.2712	12.617	------	271249	------
	0.58	0.5770	12.972	------	576994	------
	0.15	0.1544	13.190	------	154372	------
	0.38	0.3803	13.322	------	380334	------
	0.68	0.6840	13.560	------	684005	------
	0.78	0.7783	13.830	------	778345	------
	0.18	0.1777	14.191	------	177662	------
	0.24	0.2367	14.477	------	236700	------
	0.11	0.1058	14.794	------	105763	------
	0.62	0.6173	15.066	------	617323	------
	0.12	0.1176	15.679	------	117592	------
	0.13	0.1253	16.024	------	125264	------
	0.13	0.1283	16.312	------	128300	------
	0.13	0.1347	16.614	------	134714	------
AROCLOR1260	22.82	22.8185	16.803	0.000	289940	------
	0.02	0.0217	17.087	------	21655	------
	0.17	0.1662	17.343	------	166229	------
	0.13	0.1254	19.294	------	125357	------
	0.02	0.0178	19.526	------	17799	------
	0.03	0.0271	20.007	------	27115	------
	0.02	0.0232	20.932	------	23239	------
	0.02	0.0204	21.260	------	20371	------
DCB	27.70	27.6999	31.004	0.002	1001132	138.5

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec

1016-PK1	521.20	521.2045	6.906	-0.001	501073	------
016-PK2	458.35	458.3546	8.388	-0.003	977520	------
1016-PK3	472.26	472.2636	9.510	-0.001	472981	------
1016-PK4	452.46	452.4642	9.782	-0.002	1849749	------
1016-PK5	462.81	462.8100	10.435	-0.002	747853	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	17.96	17.9598	17.871	-0.143	47462	------
1260-PK1	138.71	138.7104	16.803	0.015	223425	------
1260-PK2	7.08	7.0797	17.608	-0.005	19053	------
1260-PK4	0.00	0.0000	22.485	------	0	------
1260-PK5	0.00	0.0000	24.625	------	0	------

Capillary GC -

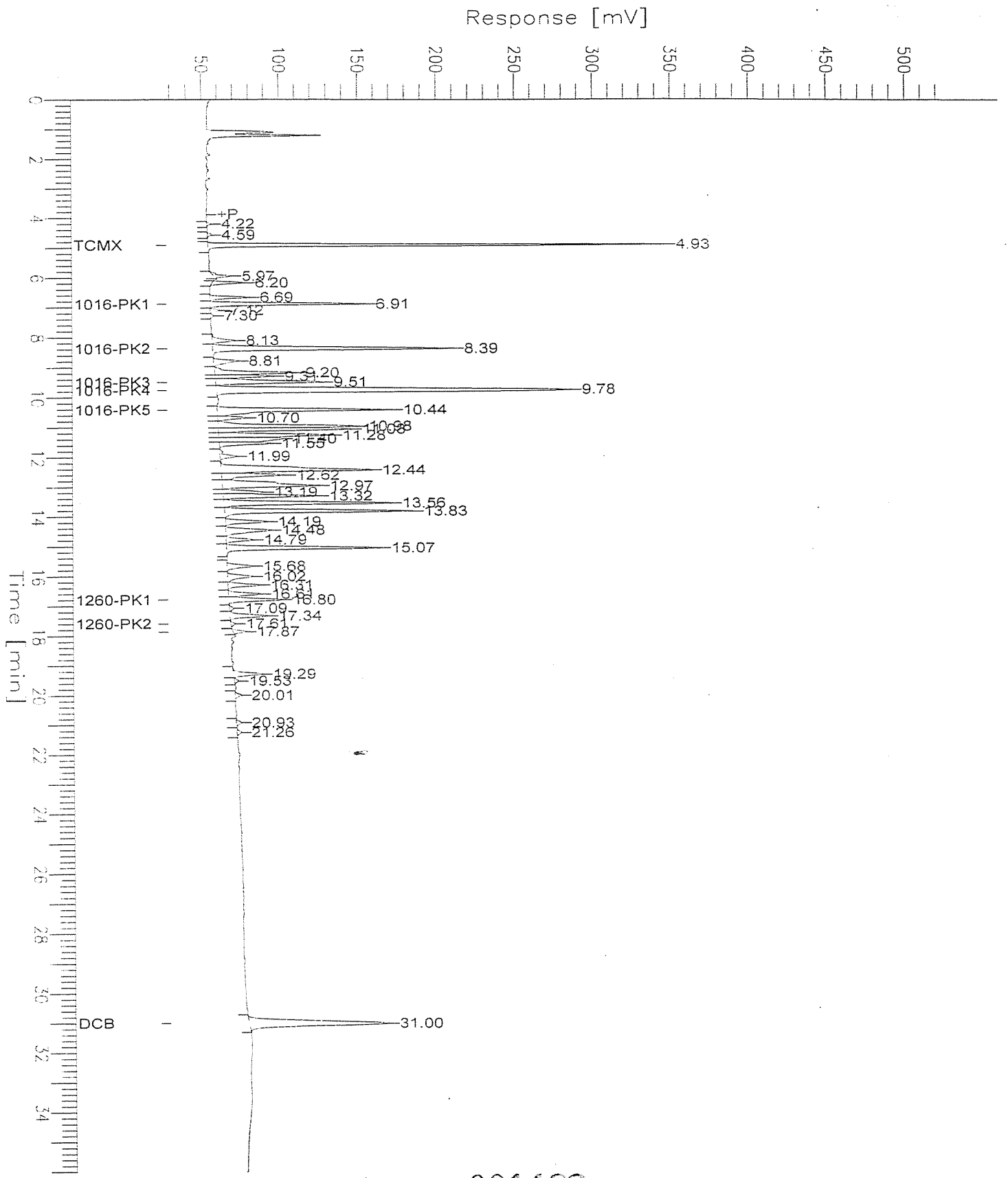
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A011.TX0

Chromatogram

Sample Name : AR1242 00-108,0.5UG/ML
'ileName : C:\TC4\DATA_9\007A011.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 28 mV

Sample #: .5 PPM
Date : 10/9/00 08:58 AM
Time of Injection: 10/7/00 11:19 PM
Low Point : 27.96 mV High Point : 527.96 mV
Plot Scale: 500.0 mV



001432

Software Version: 4.1<2F12>
Sample Name : AR1248 00-107,0.5UG/ML Time : 10/9/00 08:58 AM
Sample Number: .5 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/7/00 11:58 PM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A012.RAW
Result File : C:\TC4\DATA_9\O07A012.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A012.RST
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 52

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.01	0.0134	4.593	------	13406	------
TCMX	28.78	28.7805	4.926	-0.002	1271054	143.9
	0.02	0.0165	6.068	------	16504	------
	0.01	0.0105	6.689	------	10507	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.03	0.0275	8.129	------	27515	------
	0.04	0.0389	8.813	------	38871	------
	0.16	0.1598	9.198	------	159762	------
	0.07	0.0678	9.313	------	67839	------
AROCLOR1016	230.63	230.6312	9.769	0.000	2260100	------
	0.02	0.0181	10.083	------	18064	------
	0.16	0.1600	10.704	------	160011	------
	1.13	1.1342	11.080	------	1134240	------
	0.68	0.6850	11.279	------	684979	------
	0.45	0.4491	11.396	------	449090	------
	0.26	0.2614	11.550	------	261439	------
	0.09	0.0892	11.988	------	89215	------
	1.06	1.0564	12.446	------	1056402	------
	0.34	0.3442	12.617	------	344170	------
	0.85	0.8484	12.974	------	848421	------
	0.18	0.1763	13.189	------	176287	------
	0.56	0.5600	13.323	------	560018	------
	1.06	1.0557	13.561	------	1055717	------
	1.13	1.1349	13.831	------	1134882	------
	0.42	0.4208	14.191	------	420843	------
	0.53	0.5273	14.476	------	527324	------
	0.27	0.2713	14.797	------	271293	------
	0.92	0.9171	15.067	------	917100	------
	0.30	0.2952	15.682	------	295156	------
	0.32	0.3198	16.029	------	319781	------
	0.33	0.3258	16.314	------	325848	------
	0.28	0.2765	16.617	------	276530	------
AROCLOR1260	59.19	59.1872	16.805	0.000	752052	------
	0.06	0.0564	17.088	------	56446	------
	0.44	0.4382	17.345	------	438178	------
	0.03	0.0280	18.225	------	28043	------
	0.02	0.0161	18.445	------	16060	------
	0.02	0.0175	18.932	------	17522	------
	0.35	0.3519	19.297	------	351860	------
	0.05	0.0548	19.529	------	54837	------
	0.02	0.0244	19.752	------	24382	------
	0.08	0.0796	20.010	------	79620	------
	0.02	0.0195	20.931	------	19488	------
	0.02	0.0157	21.262	------	15747	------
	0.02	0.0150	22.006	------	15031	------
DCB	28.19	28.1867	30.999	-0.003	1018728	140.9

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec

1016-PK1	62.88	62.8829	6.906	-0.001	60454	------
1016-PK2	230.24	230.2427	8.387	-0.004	491032	------
1016-PK3	154.81	154.8056	9.511	6e-05	155041	------
1016-PK4	296.38	296.3786	9.769	-0.015	1211645	------
1016-PK5	211.60	211.6026	10.436	-0.002	341928	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	46.80	46.8014	17.874	-0.139	123681	------
1260-PK1	350.92	350.9196	16.805	0.017	565236	------
1260-PK2	18.30	18.2963	17.613	-0.000	49240	------
1260-PK4	3.59	3.5916	22.485	-0.001	13896	------
1260-PK5	0.00	0.0000	24.625	------	0	------

Capillary GC -

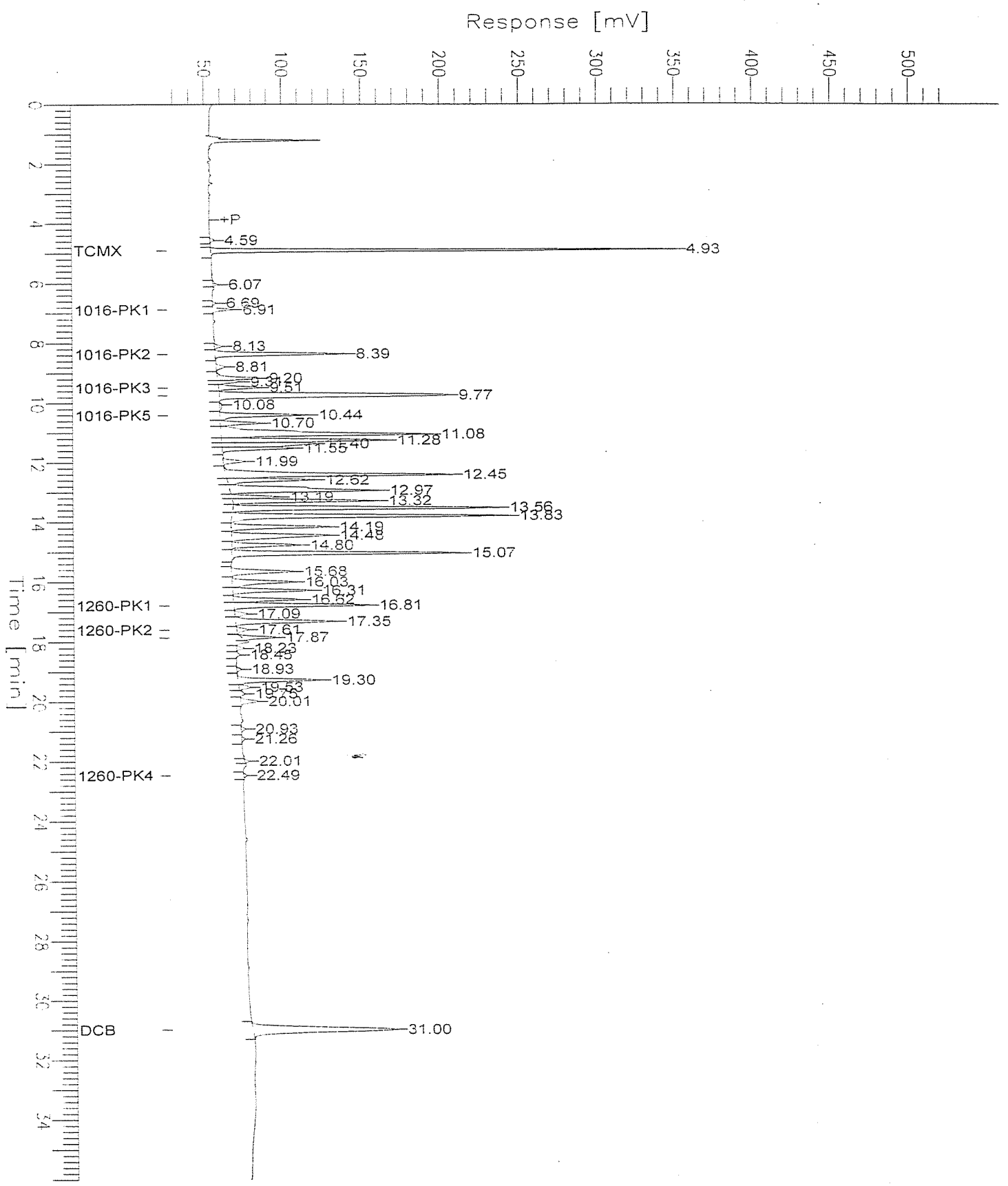
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A012.TX0

Chromatogram

Sample Name : AR1248 00-107,0.5UG/ML
ileName : C:\TC4\DATA_9\007A012.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 26 mV

Sample #: .5 PPM
Date : 10/9/00 08:58 AM
Time of Injection: 10/7/00 11:58 PM
Low Point : 26.36 mV High Point : 526.36 mV
Plot Scale: 500.0 mV



001436

Software Version: 4.1<2F12>
Sample Name : AR2154 00-142, 0.5UG/ML Time : 10/9/00 08:58 AM
Sample Number: .5 PPM Study : ICAL 10/07/00
Operator :

Instrument : GC-09 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2351570991 Data Acquisition Time: 10/8/00 12:38 AM
Delay Time : 0.00 min.
End Time : 36.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_9\O07A013.RAW
Result File : C:\TC4\DATA_9\O07A013.RST
Inst Method : C:\TC4\DATA_9\PEST9A from C:\TC4\DATA_9\O07A013.RST
Proc Method : C:\TC4\DATA_9\PEST9A.mth
Calib Method : C:\TC4\DATA_9\1660_9A.mth
Sequence File : C:\TC4\DATA_9\O07.SEQ

Sample Volume : 1.0000 uL Area Reject : 5000.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 5000 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : 8080 User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 58

8082 - HP 9A - Column: DB608

STL - LOS ANGELES

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.22	0.2199	4.218	------	219937	------
	0.01	0.0132	4.583	------	13179	------
TCMX	30.30	30.3006	4.928	-0.001	1338183	151.5
	0.06	0.0584	5.876	------	58408	------

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
	0.12	0.1214	5.971	------	121423	------
	0.34	0.3391	6.194	------	339130	------
	0.24	0.2400	6.688	------	239962	------
AROCLOR1016	133.84	133.8375	6.907	0.000	1311558	------
	0.11	0.1070	7.120	------	107046	------
	0.09	0.0947	8.053	------	94740	------
	0.02	0.0169	8.814	------	16923	------
	0.05	0.0451	9.196	------	45147	------
	0.03	0.0266	9.316	------	26622	------
	0.01	0.0095	10.082	------	9512	------
	0.02	0.0181	10.705	------	18072	------
	0.73	0.7343	11.082	------	734256	------
	0.21	0.2147	11.280	------	214734	------
	0.44	0.4378	12.448	------	437837	------
	0.04	0.0413	12.614	------	41284	------
	0.16	0.1611	12.975	------	161109	------
	0.17	0.1743	13.325	------	174312	------
	0.60	0.5965	13.563	------	596515	------
	0.19	0.1930	13.830	------	192975	------
	1.17	1.1710	14.191	------	1170997	------
	1.40	1.3961	14.473	------	1396105	------
	0.56	0.5580	14.795	------	557956	------
	0.14	0.1373	15.067	------	137301	------
	0.53	0.5270	15.678	------	526969	------
	0.60	0.5955	16.026	------	595480	------
	0.85	0.8514	16.314	------	851424	------
	0.30	0.2995	16.616	------	299486	------
AROCLOR1260	286.86	286.8604	16.804	0.000	3644945	------
	0.43	0.4268	17.121	------	426759	------
	1.26	1.2638	17.342	------	1263849	------
	0.21	0.2098	17.873	------	209815	------
	0.05	0.0547	18.225	------	54664	------
	0.12	0.1205	18.394	------	120489	------
	0.03	0.0320	18.644	------	32036	------
	0.25	0.2507	18.931	------	250655	------
	0.65	0.6465	19.294	------	646528	------
	0.61	0.6121	19.525	------	612075	------
	0.43	0.4274	19.754	------	427368	------
	1.26	1.2553	20.007	------	1255297	------
	0.11	0.1074	20.489	------	107396	------
	0.11	0.1123	20.647	------	112328	------
	0.08	0.0807	21.841	------	80730	------
	0.36	0.3641	22.003	------	364134	------
	0.24	0.2353	22.135	------	235334	------
	0.03	0.0275	24.299	------	27461	------
DCB	28.18	28.1799	30.997	-0.006	1018482	140.9

Group Report For : AROCLOR1016

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1016-PK1	706.08	706.0825	6.907	-0.000	678810	------
1016-PK2	120.84	120.8444	8.340	-0.050	257721	------
1016-PK3	64.46	64.4637	9.508	-0.004	64562	------
1016-PK4	53.00	52.9961	9.780	-0.005	216657	------
1016-PK5	58.05	58.0536	10.438	0.000	93809	------

Group Report For : AROCLOR1260

Component Name	Raw Amount	Final Result (ppb)	Time [min]	Time Diff [min]	Area [uV*sec]	Surrogate % Rec
1260-PK3	279.87	279.8713	18.012	-0.003	739610	------
1260-PK1	1059.34	1059.3392	16.804	0.015	1706307	------
1260-PK2	303.55	303.5485	17.610	-0.003	816918	------
1260-PK4	65.89	65.8932	22.484	-0.001	254941	------
1260-PK5	67.19	67.1890	24.617	-0.007	127169	------

Capillary GC -

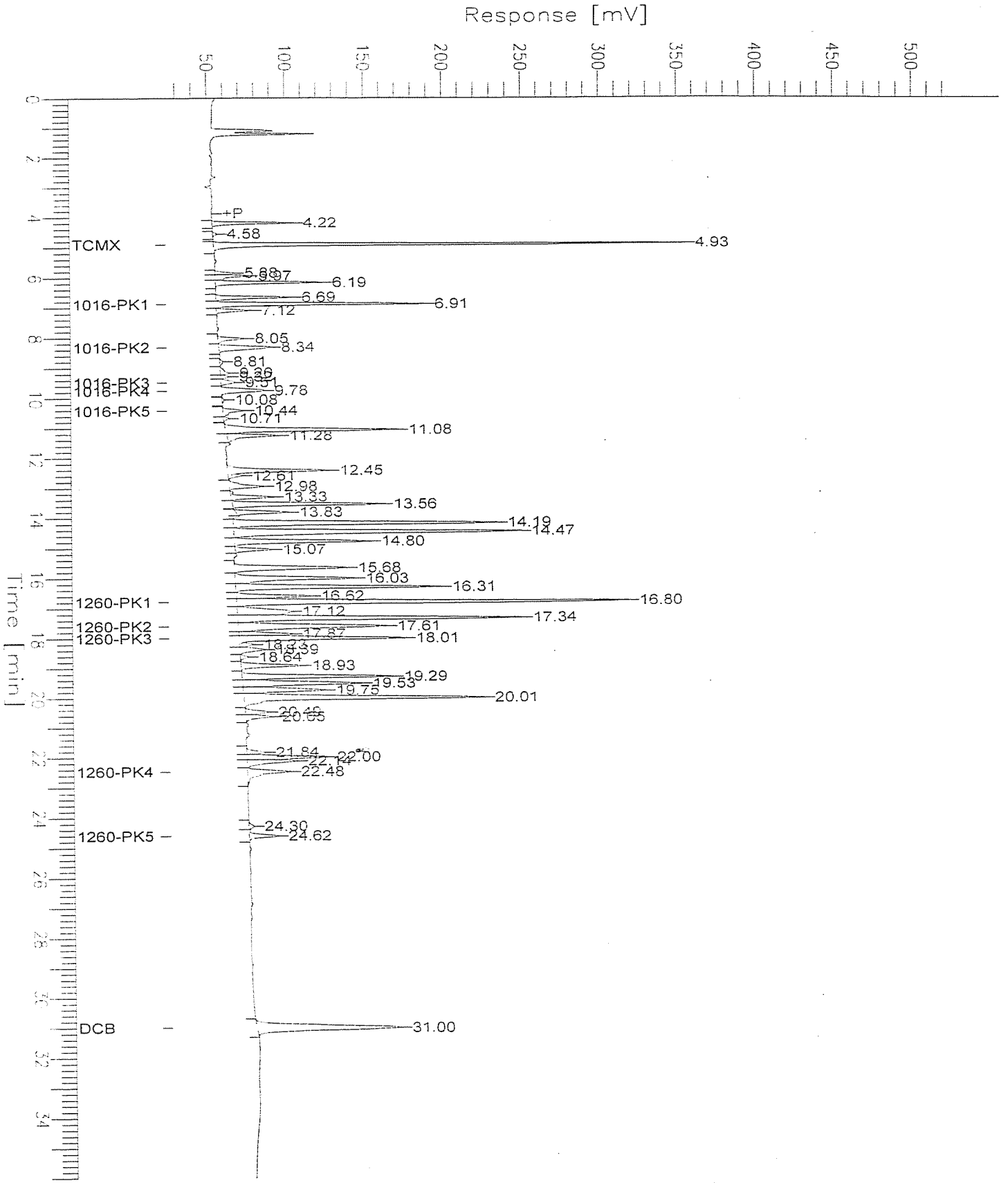
Instrument	:	TA (GC12A)
Column	:	DB608
Column Length	:	30 M
Column I.D.	:	0.53 mm
Carrier Gas	:	UHP Helium
Makeup Gas	:	UHP Nitrogen
Temperature	:	170C,0.5MIN,4C/MIN->270C,19.5MIN HOLD
Injection Temp	:	220C
Detector Temp	:	320C
Injection Vol	:	1 ul per column

Report stored in ASCII file: C:\TC4\DATA_9\O07A013.TX0

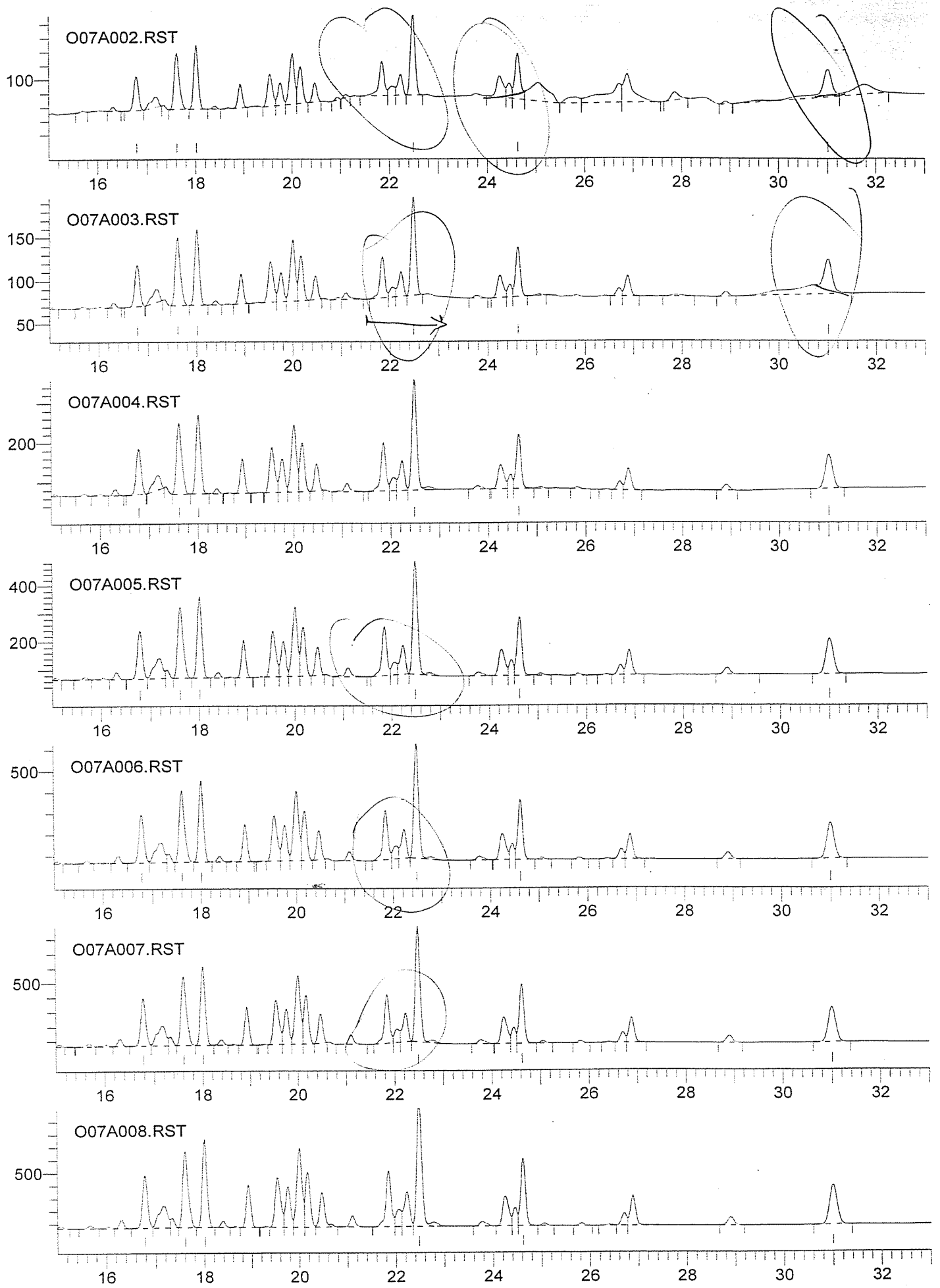
Chromatogram

Sample Name : AR2154 00-142, 0.5UG/ML
FileName : C:\TC4\DATA_9\007A013.raw
Method : PEST9A
Start Time : 0.00 min End Time : 36.00 min
Scale Factor: -1.0 Plot Offset: 24 mV

Sample #: .5 PPM
Date : 10/9/00 08:58 AM
Time of Injection: 10/8/00 12:38 AM
Low Point : 23.99 mV High Point : 523.99 mV
Plot Scale: 500.0 mV



001440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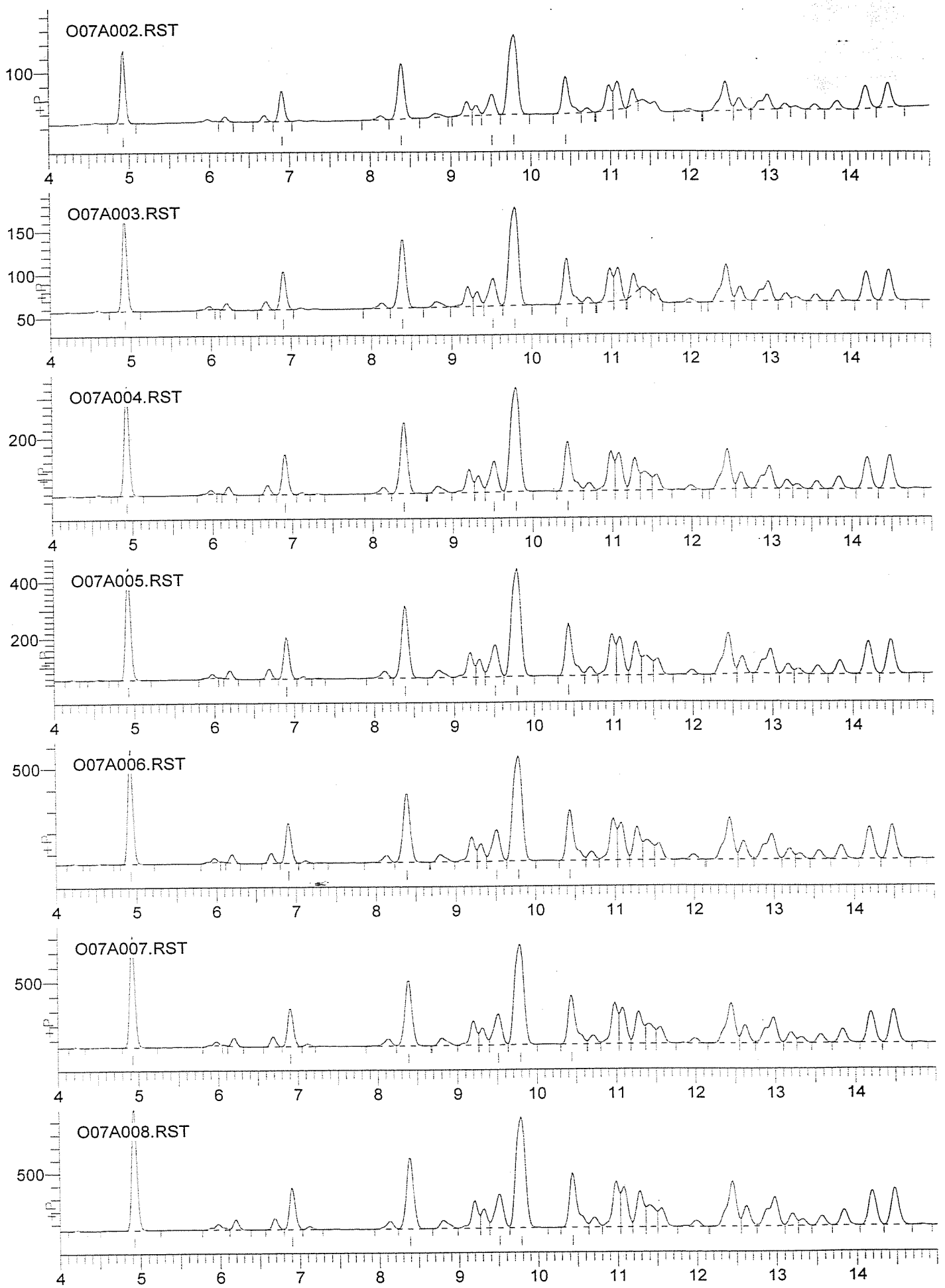
16 18 20 22 24 26 28 30 32
O07A003.RST
150
100
50
16 18 20 22 24 26 28 30 32
O07A004.RST
200
16 18 20 22 24 26 28 30 32
O07A005.RST
400
200
16 18 20 22 24 26 28 30 32
O07A006.RST
500
16 18 20 22 24 26 28 30 32
O07A007.RST
500
16 18 20 22 24 26 28 30 32
O07A008.RST
500
16 18 20 22 24 26 28 30 32

Plot Title	Start Time	End Time	Scale (mV)	Offset (mV)
O07A002.RST	15.00	33.00	92.15	54.32
Sample Name : AR1660 50UL-->1ML 00-99				
Sample Number : .1 PPM				
Instrument File Name : C:\TC4\DATA_9\PEST9A				
O07A003.RST	15.00	33.00	148.84	48.37
Sample Name : AR1660 100UL-->1ML 00-99				
Sample Number : .2 PPM				
Instrument File Name : C:\TC4\DATA_9\PEST9A				
O07A004.RST	15.00	33.00	320.63	38.48
Sample Name : AR1660 250UL-->1ML 00-99				
Sample Number : .5 PPM				
Instrument File Name : C:\TC4\DATA_9\PEST9A				
O07A005.RST	15.00	33.00	452.64	31.18
Sample Name : AR1660 375UL-->1ML 00-99				
Sample Number : .75 PPM				
Instrument File Name : C:\TC4\DATA_9\PEST9A				
O07A006.RST	15.00	33.00	603.76	23.31
Sample Name : AR1660 500UL-->1ML 00-99				
Sample Number : 1 PPM				
Instrument File Name : C:\TC4\DATA_9\PEST9A				
O07A007.RST	15.00	33.00	874.00	10.13
Sample Name : AR1660 750UL-->1ML 00-99				
Sample Number : 1.5 PPM				
Instrument File Name : C:\TC4\DATA_9\PEST9A				
O07A008.RST	15.00	33.00	995.97	4.03
Sample Name : AR1660 00-99				
Sample Number : 2 PPM				
Instrument File Name : C:\TC4\DATA_9\PEST9A				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O07A003.RST
150
100
50
O07A004.RST
200
O07A005.RST
400
200
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500
O07A007.RST
500
O07A008.RST
500
4
5
6
7
8
9
10
11
12
13
14

001443

Plot Title	Start Time	End Time	Scale (mV)	Offset (mV)
O07A002.RST	4.00	15.00	92.15	54.32

Sample Name : AR1660 50UL-->1ML 00-99
Sample Number : .1 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A003.RST	4.00	15.00	148.84	48.37

Sample Name : AR1660 100UL-->1ML 00-99
Sample Number : .2 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A004.RST	4.00	15.00	320.63	38.48

Sample Name : AR1660 250UL-->1ML 00-99
Sample Number : .5 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A005.RST	4.00	15.00	452.64	31.18

Sample Name : AR1660 375UL-->1ML 00-99
Sample Number : .75 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A006.RST	4.00	15.00	603.76	23.31

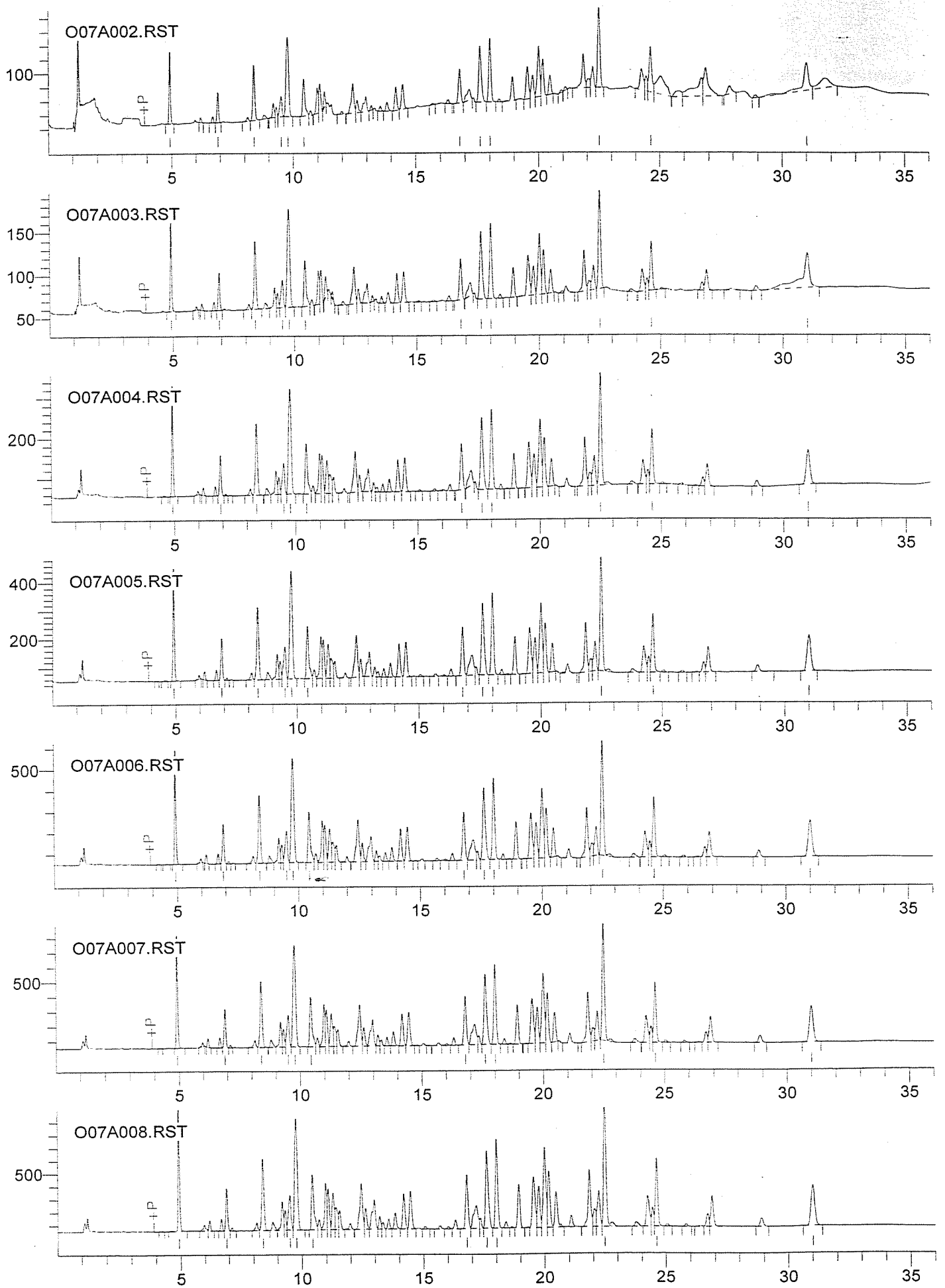
Sample Name : AR1660 500UL-->1ML 00-99
Sample Number : 1 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A007.RST	4.00	15.00	874.00	10.13

Sample Name : AR1660 750UL-->1ML 00-99
Sample Number : 1.5 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A008.RST	4.00	15.00	995.97	4.03

Sample Name : AR1660 00-99
Sample Number : 2 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A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5
10
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150
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50
+P
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200
+P
O07A005.RST
400
200
+P
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500
+P
O07A007.RST
500
+P
O07A008.RST
500
+P

Plot Title	Start Time	End Time	Scale (mV)	Offset (mV)
O07A002.RST	0.00	36.00	92.15	54.32

Sample Name : AR1660 50UL-->1ML 00-99
Sample Number : .1 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A003.RST	0.00	36.00	148.84	48.37

Sample Name : AR1660 100UL-->1ML 00-99
Sample Number : .2 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A004.RST	0.00	36.00	320.63	38.48

Sample Name : AR1660 250UL-->1ML 00-99
Sample Number : .5 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A005.RST	0.00	36.00	452.64	31.18

Sample Name : AR1660 375UL-->1ML 00-99
Sample Number : .75 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A006.RST	0.00	36.00	603.76	23.31

Sample Name : AR1660 500UL-->1ML 00-99
Sample Number : 1 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A007.RST	0.00	36.00	874.00	10.13

Sample Name : AR1660 750UL-->1ML 00-99
Sample Number : 1.5 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

O07A008.RST	0.00	36.00	995.97	4.03

Sample Name : AR1660 00-99
Sample Number : 2 PPM
Instrument File Name : C:\TC4\DATA_9\PEST9A

Turbochrom Sequence File : C:\TC4\DATA_9\O07.SEQ
Created by : LB on : 10/7/00 04:05 PM
Edited by : LB on : 10/7/00 04:35 PM
Description :

Number of Times Edited : 2

Sequence File Header Information:

Number of Rows : 189
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	HEXANE	REG LNR	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Cal:Replace	AR1660 50UL-->1	.1 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	AR1660 100UL-->	.2 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	AR1660 250UL-->	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	AR1660 375UL-->	.75 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	AR1660 500UL-->	1 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	AR1660 750UL-->	1.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	AR1660 00-99	2 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Std Check	AR1660 00-143,	.5 PPM 2ND	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	AR1232 00-138,	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	AR1242 00-108,0	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	AR1248 00-107,0	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	AR2154 00-142,	.5 PPM	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	0280469-MB	DLPNF101 B	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
15	Sample	0280469-LCS	DLPNF102 C	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
16	Sample	125-14	DLH41101	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
17	Sample	316-1	DLM30101	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
18	Sample	216-1	DLNAX101	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
19	Sample	216-1S	DLNAX102 S	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
20	Sample	216-1D	DLNAX103 D	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
21	Sample	216-2	DLNCX101	ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
22	Sample	HEXANE	BLANK	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Std Check	AR1660 00-111,	.5 PPM 2ND	ICAL 10/07	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
25	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
26	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
27	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
28	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
29	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
30	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
31	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
32	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
33	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
34	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
35	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
36	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
37	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
38	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
39	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
40	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
41	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
42	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
43	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
44	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
45	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
46	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
47	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
48	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
49	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
50	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
51	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
52	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
53	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
54	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
55	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
56	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
57	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
58	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
59	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000
60	Sample			ICAL 10/07	1.000	1.000	1.000	1.000	10.000	30.000	0.000	100.000

Supporting Raw Data

Metals

Lot # E0J110284

001448

STL Los Angeles
Précis
ICAP Data Summary Cover Sheet

Instrument ID: ICPT - M01 Analyst: KY
Analytical Date: 10/16/00

Analysis by SOP: 6010B - 200.7 - CORP-MT-0001 Rev 2 ✓

Data File: P101600

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
	WP 69			
0290341	EOJ110280	KY 10/17/00	10/18/00	
0288128	EOI280315		10/18/00	L3 10/24
	LOI190323			
	LOI200335			
	EOJ110215 Rel		Rel	
	EOJ120274		10/17/00	
	EOJ120278		10/18/00	
	EOJ120322			L3 10/28
	EOJ120326			
	EOJ130207			
	EOJ130239 Rel		Rel	
0287268	EOJ110234		10/18/00	L3 10/28
0287270	EOJ110292			
	EOJ120311			
	EOJ120326			
	EOJ120324			L3 10/28
0285532	EOJ100249		10/17/00	

Standards

Calibration Stds:	Lot #	Calibration Check Stds:	Lot #
1. Blank	100300-T1	ICV	100300-T4
2. STD1	100300-T2	CCV	100300-T5
3.		ICSA	100300-T7
4.		ICSAB 4-0	100500-T8
5.		5.	
6.		6.	

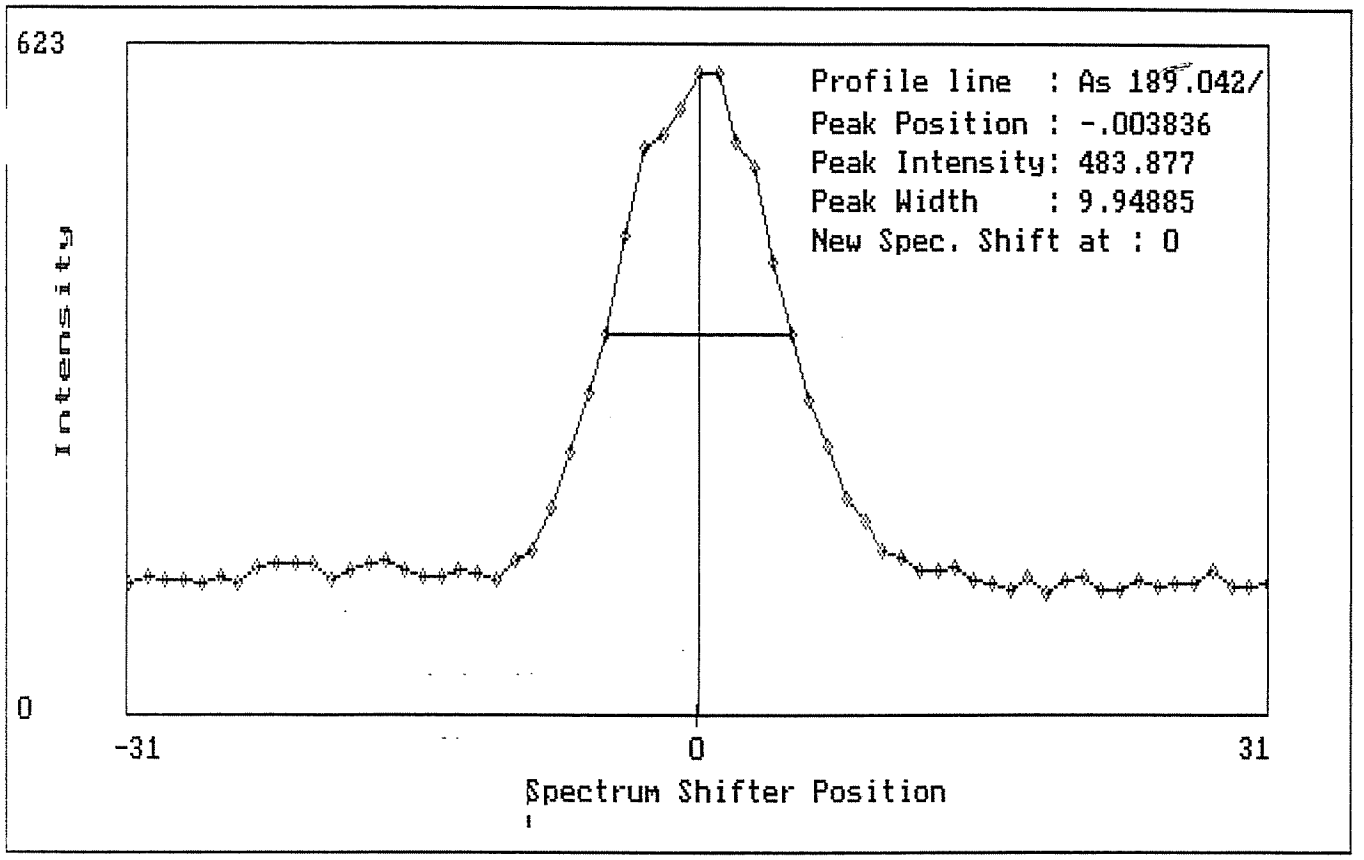
Notes/Comments:

N:\metals\forms\dscs.doc
10/13/00

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P101600	QTESTNAK	10/16/00	12:29		X	IR
2	STD1	P101600	QTESTNAK	10/16/00	12:36		X	IR
3	ICVHP	P101600	QTESTNAK	10/16/00	12:42	KT	S	CONC
4	ICB	P101600	QTESTNAK	10/16/00	12:50	KT	S	CONC
5	ICSA	P101600	QTESTNAK	10/16/00	12:56	KT	S	CONC
6	ICSAB4.0	P101600	QTESTNAK	10/16/00	13:06	KT	S	CONC
7	TEST-CRI	P101600	QTESTNAK	10/16/00	13:14	KT	S	CONC
8	WP68-BLK	P101600	QTESTNAK	10/16/00	13:22	KT	S	CONC
9	WP68-TR.MET	P101600	QTESTNAK	10/16/00	13:28	KT	S	CONC
10	WP68-TR.MET	P101600	QTESTNAK	10/16/00	13:36	KT	S	CONC
11	WP68-TR.MET .1~~X~~ .5X KT 10/17/00	P101600	QTESTNAK	10/16/00	13:44	KT	S	CONC
12	WP68-TR.MET .~~1~~X .5X 10/17/00	P101600	QTESTNAK	10/16/00	13:52	KT	S	CONC
13	DK59K1	P101600	QTESTNAK	10/16/00	14:00	KT	S	CONC
14	DK59K1	P101600	QTESTNAK	10/16/00	14:10	KT	S	CONC
15	CCVT	P101600	QTESTNAK	10/16/00	14:18	KT	S	CONC
16	CCBT	P101600	QTESTNAK	10/16/00	14:26	KT	Q	CONC
17	DK59K1 .1~~X~~ .5X KT 10/17/00	P101600	QTESTNAK	10/16/00	14:34	KT	S	CONC
18	DK59K1 .~~1~~X .5X	P101600	QTESTNAK	10/16/00	14:42	KT	S	CONC
19	DK59K1	P101600	QTESTNAK	10/16/00	14:50	KT	S	CONC
20	DK59K2	P101600	QTESTNAK	10/16/00	14:58	KT	S	CONC
21	DK59K2	P101600	QTESTNAK	10/16/00	15:04	KT	S	CONC
22	DK59K2 .1~~X~~ .5X KT 10/17/00	P101600	QTESTNAK	10/16/00	15:12	KT	S	CONC
23	DK59K2 .~~1~~X .5X	P101600	QTESTNAK	10/16/00	15:20	KT	S	CONC
24	WP68-BLK-CA,MG	P101600	QTESTNAK	10/16/00	15:28	KT	S	CONC
25	WP68-CA,MG 2X	P101600	QTESTNAK	10/16/00	15:34	KT	S	CONC
26	WP68-CA,MG 2X	P101600	QTESTNAK	10/16/00	15:42	KT	S	CONC
27	CCVT	P101600	QTESTNAK	10/16/00	15:50	KT	S	CONC
28	CCBT	P101600	QTESTNAK	10/16/00	15:58	KT	Q	CONC
29	DK59M	P101600	QTESTNAK	10/16/00	16:04	KT	S	CONC
30	DK59M	P101600	QTESTNAK	10/16/00	16:12	KT	S	CONC
31	DK59M .~~1~~X .5X KT 10/17/00	P101600	QTESTNAK	10/16/00	16:20	KT	S	CONC
32	CCVT	P101600	QTESTNAK	10/16/00	16:28	KT	S	CONC
33	CCBT	P101600	QTESTNAK	10/16/00	16:36	KT	Q	CONC
34	DM60EB-0288128	P101600	QTESTNAK	10/16/00	16:42	KT	S	CONC
35	DM60EC	P101600	QTESTNAK	10/16/00	16:48	KT	S	CONC
36	DL8JR	P101600	QTESTNAK	10/16/00	16:56	KT	S	CONC
37	DL8JRP	P101600	QTESTNAK	10/16/00	17:04	KT	S	CONC
38	DL8JRS	P101600	QTESTNAK	10/16/00	17:10	KT	S	CONC
39	DL8JRD	P101600	QTESTNAK	10/16/00	17:18	KT	S	CONC
40	DKMJK	P101600	QTESTNAK	10/16/00	17:26	KT	S	CONC
41	DKMJL	P101600	QTESTNAK	10/16/00	17:34	KT	S	CONC
42	DKMJM	P101600	QTESTNAK	10/16/00	17:42	KT	S	CONC
43	DKMJN	P101600	QTESTNAK	10/16/00	17:58	KT	S	CONC
44	CCVT	P101600	QTESTNAK	10/16/00	18:06	KT	S	CONC
45	CCBT	P101600	QTESTNAK	10/16/00	18:14	KT	Q	CONC
46	DKMJP	P101600	QTESTNAK	10/16/00	18:20	KT	S	CONC
47	DKMJR	P101600	QTESTNAK	10/16/00	18:28	KT	S	CONC
48	DKMJV	P101600	QTESTNAK	10/16/00	18:36	KT	S	CONC
49	DKQ2A	P101600	QTESTNAK	10/16/00	18:44	KT	S	CONC
50	DKQ2C	P101600	QTESTNAK	10/16/00	18:52	KT	S	CONC
51	DLXN6 - Ba	P101600	QTESTNAK	10/16/00	19:00	KT	S	CONC
52	DLXQP Ca	P101600	QTESTNAK	10/16/00	19:10	KT	S	CONC
53	DM242 Zn	P101600	QTESTNAK	10/16/00	19:16	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	DM25K	P101600	QTESTNAK	10/16/00	19:24	KT	S	CONC
55	DM3H8F	P101600	QTESTNAK	10/16/00	19:32	KT	S	CONC
56	CCVT	P101600	QTESTNAK	10/16/00	19:40	KT	S	CONC
57	CCBT.	P101600	QTESTNAK	10/16/00	19:48	KT	Q	CONC
58	DM3LG	P101600	QTESTNAK	10/16/00	19:54	KT	S	CONC
59	DM426F	P101600	QTESTNAK	10/16/00	20:02	KT	S	CONC
60	DM42KF	P101600	QTESTNAK	10/16/00	20:10	KT	S	CONC
61	DM48E - Ref	P101600	QTESTNAK	10/16/00	20:18	KT	S	CONC
62	STLC-BLK 10X	P101600	QTESTNAK	10/16/00	20:26	KT	S	CONC
63	STLC-LCS 10X	P101600	QTESTNAK	10/16/00	20:36	KT	S	CONC
64	DM08L 10X	P101600	QTESTNAK	10/16/00	20:44	KT	S	CONC
65	DM08LP 10X	P101600	QTESTNAK	10/16/00	20:52	KT	S	CONC
66	DM08LS 10X	P101600	QTESTNAK	10/16/00	20:58	KT	S	CONC
67	DM08LD 10X	P101600	QTESTNAK	10/16/00	21:06	KT	S	CONC
68	CCVT	P101600	QTESTNAK	10/16/00	21:14	KT	S	CONC
69	CCBT.	P101600	QTESTNAK	10/16/00	21:22	KT	Q	CONC
70	DM08LX 10X	P101600	QTESTNAK	10/16/00	21:28	KT	S	CONC
71	DM4L5B-0287268	P101600	QTESTNAK	10/16/00	21:36	KT	S	CONC
72	DM4L5C	P101600	QTESTNAK	10/16/00	21:42	KT	S	CONC
73	DM091	P101600	QTESTNAK	10/16/00	21:50	KT	S	CONC
74	DM093	P101600	QTESTNAK	10/16/00	21:58	KT	S	CONC
75	DM098	P101600	QTESTNAK	10/16/00	22:06	KT	S	CONC
76	DM09M	P101600	QTESTNAK	10/16/00	22:14	KT	S	CONC
77	DM09MP	P101600	QTESTNAK	10/16/00	22:22	KT	S	CONC
78	DM09MS	P101600	QTESTNAK	10/16/00	22:30	KT	S	CONC
79	DM09MD	P101600	QTESTNAK	10/16/00	22:38	KT	S	CONC
80	CCVT	P101600	QTESTNAK	10/16/00	22:46	KT	S	CONC
81	CCBT.	P101600	QTESTNAK	10/16/00	22:54	KT	Q	CONC
82	DM09R	P101600	QTESTNAK	10/16/00	23:00	KT	S	CONC
83	DM09V	P101600	QTESTNAK	10/16/00	23:08	KT	S	CONC
84	DM1A1	P101600	QTESTNAK	10/16/00	23:16	KT	S	CONC
85	DM1A3	P101600	QTESTNAK	10/16/00	23:25	KT	S	CONC
86	DM1A5	P101600	QTESTNAK	10/16/00	23:33	KT	S	CONC
87	DM1A6	P101600	QTESTNAK	10/16/00	23:38	KT	S	CONC
88	DM1AA	P101600	QTESTNAK	10/16/00	23:47	KT	S	CONC
89	DM1AE	P101600	QTESTNAK	10/16/00	23:55	KT	S	CONC
90	DM1AJ	P101600	QTESTNAK	10/17/00	00:03	KT	S	CONC
91	DM1AM	P101600	QTESTNAK	10/17/00	00:11	KT	S	CONC
92	CCVT	P101600	QTESTNAK	10/17/00	00:19	KT	S	CONC
93	CCBT'	P101600	QTESTNAK	10/17/00	00:27	KT	Q	CONC
94	DM1AR	P101600	QTESTNAK	10/17/00	00:33	KT	S	CONC
95	DM1AV	P101600	QTESTNAK	10/17/00	00:41	KT	S	CONC
96	DM1AX	P101600	QTESTNAK	10/17/00	00:49	KT	S	CONC
97	DM4MPB-0287270 Ref	P101600	QTESTNAK	10/17/00	00:57	KT	S	CONC
98	DM4MPC	P101600	QTESTNAK	10/17/00	01:05	KT	S	CONC
99	DM1D8	P101600	QTESTNAK	10/17/00	01:15	KT	S	CONC
100	DM1DQ	P101600	QTESTNAK	10/17/00	01:21	KT	S	CONC
101	DM1DQP	P101600	QTESTNAK	10/17/00	01:29	KT	S	CONC
102	DM1DQS	P101600	QTESTNAK	10/17/00	01:35	KT	S	CONC
103	DM1DQD	P101600	QTESTNAK	10/17/00	01:43	KT	S	CONC
104	CCVT	P101600	QTESTNAK	10/17/00	01:51	KT	S	CONC
105	CCBT'	P101600	QTESTNAK	10/17/00	01:59	KT	Q	CONC
106	DM1DT - Ref	P101600	QTESTNAK	10/17/00	02:05	KT	S	CONC
107	DM1EA	P101600	QTESTNAK	10/17/00	02:13	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	DM1EC Ref	P101600	QTESTNAK	10/17/00	02:21	KT	S	CONC
109	DM1ED NW Ref	P101600	QTESTNAK	10/17/00	02:31	KT	S	CONC
110	DM1EE	P101600	QTESTNAK	10/17/00	02:39	KT	S	CONC
111	DM1EF Ref	P101600	QTESTNAK	10/17/00	02:45	KT	S	CONC
112	DM1EG	P101600	QTESTNAK	10/17/00	02:53	KT	S	CONC
113	DM1EJ Ref	P101600	QTESTNAK	10/17/00	02:59	KT	S	CONC
114	DM1EQ	P101600	QTESTNAK	10/17/00	03:07	KT	S	CONC
115	DM1ER Ref	P101600	QTESTNAK	10/17/00	03:15	KT	S	CONC
116	CCVT	P101600	QTESTNAK	10/17/00	03:23	KT	S	CONC
117	CCBT,	P101600	QTESTNAK	10/17/00	03:33	KT	Q	CONC
118	DM1ET	P101600	QTESTNAK	10/17/00	03:39	KT	S	CONC
119	DM3HG	P101600	QTESTNAK	10/17/00	03:45	KT	S	CONC
120	DM3J6	P101600	QTESTNAK	10/17/00	03:53	KT	S	CONC
121	DM3KP	P101600	QTESTNAK	10/17/00	03:59	KT	S	CONC
122	DM3KV	P101600	QTESTNAK	10/17/00	04:05	KT	S	CONC
123	DM3L4	P101600	QTESTNAK	10/17/00	04:13	KT	S	CONC
124	CCVT	P101600	QTESTNAK	10/17/00	04:21	KT	S	CONC
125	CCBT,	P101600	QTESTNAK	10/17/00	04:29	KT	Q	CONC
126	DM085BT-0285532	P101600	QTESTNAK	10/17/00	04:35	KT	S	CONC
127	DM085CT	P101600	QTESTNAK	10/17/00	04:43	KT	S	CONC
128	DLW0KT 30X	P101600	QTESTNAK	10/17/00	04:51	KT	S	CONC
129	DLW0KPT 30X	P101600	QTESTNAK	10/17/00	04:59	KT	S	CONC
130	DLW0KST 30X	P101600	QTESTNAK	10/17/00	05:05	KT	S	CONC
131	DLW0KDT 30X	P101600	QTESTNAK	10/17/00	05:13	KT	S	CONC
132	DM242 5X 4x 3w	P101600	QTESTNAK	10/17/00	05:23	KT	S	CONC
133	CCVT	P101600	QTESTNAK	10/17/00	05:31	KT	S	CONC
134	CCBT'	P101600	QTESTNAK	10/17/00	05:40	KT	Q	CONC



10/16/00

001453

Method: QTESTNAK Standard: STDBLK
Run Time: 10/16/00 12:29:57

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.05265	-.01571	.00031	-.00077	.02017	.00216	.00400
SDev	.00049	.00524	.00000	.00022	.00455	.00000	.00043
%RSD	.92369	33.367	.09666	28.191	22.576	.09666	10.782
#1	.05300	-.01941	.00031	-.00062	.01695	.00216	.00370
#2	.05231	-.01200	.00031	-.00092	.02339	.00215	.00431

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	-.00031	.01016	.00015	.00092	.00046	.00031	.00015
SDev	.00000	.00001	.00022	.00044	.00022	.00000	.00022
%RSD	.09666	.09667	141.42	47.226	47.055	.09666	141.42
#1	-.00031	.01017	.00031	.00123	.00031	.00031	.00031
#2	-.00031	.01015	.00000	.00062	.00062	.00031	.00000

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	.00031	.00339	-.02679	-.00123	.00046	.00092	-.00092
SDev	.00131	.00044	.00133	.00000	.00022	.00000	.00044
%RSD	425.04	12.952	4.9731	.09666	47.226	.09667	47.226
#1	-.00062	.00370	-.02773	-.00123	.00062	.00092	-.00123
#2	.00123	.00308	-.02585	-.00123	.00031	.00092	-.00062

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.00570	.00369	.05496	.00154	-.01139	.00924	.0000
SDev	.00022	.00087	.00462	.00261	.00042	.00262	.0000
%RSD	3.9188	23.476	8.4152	169.66	3.7256	28.377	.0000
#1	-.00585	.00308	.05823	.00339	-.01109	.01109	.0000
#2	-.00554	.00431	.05169	-.00031	-.01169	.00738	.0000

Elem	Sr4215	Si2881
Avge	.0003	.0574
SDev	.0000	.0003
%RSD	.0967	.4758
#1	.0003	.0576
#2	.0003	.0572

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6495	--	--	--	--	--	--
SDev	6.279026	--	--	--	--	--	--
%RSD	.0966688	--	--	--	--	--	--
#1	6491	--	--	--	--	--	--
#2	6500	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
Run Time: 10/16/00 12:36:18

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	15.236	2.1912	3.5996	6.9637	18.059	2.6674	8.7083
SDev	.012	.0234	.0089	.0035	.032	.0005	.0007
%RSD	.08044	1.0671	.24642	.05073	.17536	.01831	.00792
#1	15.227	2.2077	3.5933	6.9662	18.036	2.6677	8.7078
#2	15.245	2.1746	3.6059	6.9612	18.081	2.6670	8.7087

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	1.2082	3.0204	3.5313	21.906	3.7335	.46782	1.2864
SDev	.0009	.0009	.0027	.045	.0014	.00507	.0015
%RSD	.07779	.03125	.07755	.20692	.03829	1.0847	.11818
#1	1.2075	3.0211	3.5332	21.874	3.7325	.46423	1.2853
#2	1.2089	3.0197	3.5293	21.938	3.7345	.47141	1.2875

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	5.8918	3.5976	2.4415	2.2408	1.8493	1.0967	.19063
SDev	.0021	.0006	.0079	.0019	.0015	.0015	.00044
%RSD	.03483	.01620	.32216	.08385	.07978	.14021	.22842
#1	5.8904	3.5972	2.4359	2.2395	1.8483	1.0956	.19032
#2	5.8933	3.5980	2.4471	2.2422	1.8503	1.0978	.19094

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.3378	.66135	5.4572	2.2680	.28571	.37516	.6156
SDev	.0040	.00006	.0007	.0016	.00122	.00133	.0022
%RSD	.29878	.00837	.01251	.06891	.42746	.35532	.3506
#1	1.3406	.66131	5.4567	2.2691	.28484	.37422	.6140
#2	1.3350	.66139	5.4576	2.2669	.28657	.37610	.6171

Elem	Sr4215	Si2881
Avge	7.367	1.477
SDev	.011	.010
%RSD	.1454	.7013
#1	7.360	1.470
#2	7.375	1.485

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6227	--	--	--	--	--	--
SDev	8.032637	--	--	--	--	--	--
%RSD	.1290035	--	--	--	--	--	--
#1	6221	--	--	--	--	--	--
#2	6232	--	--	--	--	--	--

Standardization Report 10/16/00 12:42:10 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

ement	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Pb2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	3.30192	-.173856	10/16/00 12:36:18
As1890	189.042	STD1	STDBLK	.453915	.007129	10/16/00 12:36:18
Ba4934	493.409	STD1	STDBLK	1.11133	-.000342	10/16/00 12:36:18
Be3130	313.042	STD1	STDBLK	.574709	.000442	10/16/00 12:36:18
Cd_tr	226.502	STD1	STDBLK	.055901	-.001127	10/16/00 12:36:18
Ca3179	317.933	STD1	STDBLK	75.0477	-.161756	10/16/00 12:36:18
Cr_tr	267.716	STD1	STDBLK	.459640	-.001840	10/16/00 12:36:18
Co2286	228.616	STD1	STDBLK	3.31859	.001022	10/16/00 12:36:18
Cu3247	324.753	STD1	STDBLK	1.32844	-.013498	10/16/00 12:36:18
Fe2714	271.441	STD1	STDBLK	14.2783	-.002200	10/16/00 12:36:18
Mg2790	279.078	STD1	STDBLK	9.12483	-.008431	10/16/00 12:36:18
Mn2576	257.610	STD1	STDBLK	1.07150	-.000495	10/16/00 12:36:18
Mo2020	202.030	STD1	STDBLK	8.54508	-.002631	10/16/00 12:36:18
Ni2316	231.604	STD1	STDBLK	3.10983	-.000479	10/16/00 12:36:18
Ag_tr	328.068	STD1	STDBLK	.339695	-.000104	10/16/00 12:36:18
Na3302	330.232	STD1	STDBLK	1.06486	.008156	10/16/00 12:36:18
Tl1908	190.864	STD1	STDBLK	.815757	.021853	10/16/00 12:36:18
Ti3349	334.941	STD1	STDBLK	1.78446	.002198	10/16/00 12:36:18
V_2924	292.402	STD1	STDBLK	2.16491	-.001000	10/16/00 12:36:18
Zn2138	213.856	STD1	STDBLK	3.67610	-.003396	10/16/00 12:36:18
Sn1899	189.989	STD1	STDBLK	20.8991	.019310	10/16/00 12:36:18
068_1	206.831	STD1	STDBLK	.719448	.004098	10/16/00 12:36:18
068_2	206.832	STD1	STDBLK	1.50314	-.005553	10/16/00 12:36:18
2203_1	220.351	STD1	STDBLK	.188237	-.010346	10/16/00 12:36:18
2203_2	220.352	STD1	STDBLK	.437666	-.000674	10/16/00 12:36:18
1960_1	196.021	STD1	STDBLK	3.37308	.038428	10/16/00 12:36:18
1960_2	196.022	STD1	STDBLK	2.66227	-.024596	10/16/00 12:36:18
B_2496	249.678	STD1	STDBLK	6.49798	.000000	10/16/00 12:36:18
Sr4215	421.552	STD1	STDBLK	.542961	-.000167	10/16/00 12:36:18
Si2881	288.158	STD1	STDBLK	2.81738	-.161789	10/16/00 12:36:18

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 10/16/00 12:42:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98220	.98412	.99552	9.9664	.96905	1.0117	1.0267
SDev	.00033	.01077	.00002	.0212	.00314	.0012	.0002
%RSD	.03345	1.0942	.00162	.21315	.32415	.12273	.02208
#1	.98244	.97651	.99553	9.9514	.97127	1.0125	1.0268
#2	.98197	.99174	.99551	9.9814	.96682	1.0108	1.0265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	11.000	1.1000	1.1000	1.1000
Low	.90000	.90000	.90000	9.0000	.90000	.90000	.90000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99487	40.637	1.0212	1.0048	.98402	10.297	39.648
SDev	.00014	.017	.0022	.0010	.00078	.028	.065
%RSD	.01441	.04150	.21382	.09890	.07936	.27231	.16452
#1	.99497	40.649	1.0227	1.0055	.98347	10.277	39.694
#2	.99477	40.626	1.0197	1.0041	.98457	10.317	39.602
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	44.000	1.1000	1.1000	1.1000	11.000	44.000
Low	.90000	36.000	.90000	.90000	.90000	9.0000	36.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0369	.99178	1.0189	.39188	38.595	4.9945	1.0367
SDev	.0016	.00696	.0025	.00046	.102	.0078	.0014
%RSD	.15259	.70228	.24333	.11805	.26454	.15598	.13512
#1	1.0381	.98686	1.0207	.39155	38.522	4.9890	1.0357
#2	1.0358	.99671	1.0172	.39220	38.667	5.0000	1.0377
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	.44000		5.5000	1.1000
Low	.90000	.90000	.90000	.36000		4.5000	.90000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0226	1.0194	.95276	.99456	.99745	.98179	.98242
SDev	.0004	.0017	.00227	.00347	.00700	.00609	.00353
%RSD	.03541	.16673	.23862	.34873	.70136	.61990	.35942
#1	1.0223	1.0206	.95437	.99210	1.0024	.97749	.98492
#2	1.0228	1.0182	.95115	.99701	.99250	.98609	.97993
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.1000	1.1000	1.1000				
Low	.90000	.90000	.90000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.97748	.98744	.9783	1.023	L.8195
SDev	.01030	.01100	.0052	.002	.0036
%RSD	1.0539	1.1142	.5348	.1500	.4422
#1	.97019	.97966	.9820	1.024	L.8220
#2	.98476	.99522	.9746	1.022	L.8169
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	LC Low
High			1.100		1.100
Low			.9000		.9000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6443	--	--	--	--	--	--
SDev	15.66960	--	--	--	--	--	--
%RSD	.2432065	--	--	--	--	--	--
#1	6432	--	--	--	--	--	--
#2	6454	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 10/16/00 12:50:49
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00041	-.00055	.00143	-.00226	-.00565	-.00017	-.00000
SDev	.00056	.00101	.00099	.00036	.00017	.00024	.00012
%RSD	137.66	183.79	69.339	16.131	3.0470	143.15	7510.3
#1	.00080	.00016	.00073	-.00200	-.00553	.00000	.00009
#2	.00001	-.00127	.00213	-.00252	-.00577	-.00034	-.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	.00074	.00008	.00051	.00047	.00217	.00006
SDev	.00012	.00034	.00010	.00072	.00003	.00629	.00400
%RSD	43.245	45.896	129.66	142.28	6.2402	289.98	7229.5
#1	.00019	.00098	.00015	.00102	.00049	-.00228	-.00277
#2	.00036	.00050	.00001	-.00000	.00045	.00662	.00289
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00133	.00000	-.00016	.29835	.00318	.00027
SDev	.00000	.00186	.00068	.00007	.04209	.00005	.00039
%RSD	.42430	139.75	26438.	47.254	14.107	1.4262	145.03
#1	-.00016	.00002	.00048	-.00010	.32811	.00315	.00054
#2	-.00016	.00265	-.00048	-.00021	.26859	.00321	-.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00033	.00001	.00316	.00189	.00050	.00121	.00000
SDev	.00000	.00001	.01368	.00181	.00065	.00015	.00076
%RSD	.08611	45.124	432.56	95.770	130.87	12.141	19710.
#1	-.00033	.00002	.01284	.00061	.00096	.00132	.00054
#2	-.00033	.00001	-.00651	.00317	.00004	.00111	-.00054
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00434	.00134	.0000	.0000	.0003
SDev	.00876	.00286	.0000	.0000	.0016
%RSD	201.88	212.99	.0000	45.87	513.2
#1	.00186	-.00068	.0000	.0000	.0014
#2	-.01054	.00336	.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6466	--	--	--	--	--	--
SDev	13.51996	--	--	--	--	--	--
%RSD	.2090996	--	--	--	--	--	--
#1	6456	--	--	--	--	--	--
#2	6475	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 10/16/00 12:56:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00195	.00470	-.00281	503.33	-.00084	.00042	.00005
SDev	.00056	.00367	.00984	.78	.00343	.00000	.00000
%RSD	28.780	78.190	350.48	.15443	408.54	.35718	.64300
#1	-.00235	.00210	-.00977	503.88	-.00326	.00042	.00005
#2	-.00156	.00729	.00415	502.79	.00158	.00042	.00005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.01000	.06000	600.00	.02000	.02000	.01000
Low	-.01000	-.01000	-.06000	400.00	-.02000	-.02000	-.01000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00340	480.54	-.00276	.00155	-.00010	193.96	494.97
SDev	.00027	.60	.00056	.00000	.00002	.09	.49
%RSD	7.9220	.12477	20.191	.12144	15.507	.04509	.09837
#1	.00359	480.96	-.00237	.00155	-.00009	194.02	495.31
#2	.00321	480.12	-.00316	.00155	-.00011	193.90	494.62
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	600.00	.02000	.05000	.02500	240.00	600.00
Low	-.01000	400.00	-.02000	-.05000	-.02500	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00343	-.00205	-.00101	-.00080	-.15212	.00872	-.00024
SDev	.00001	.00204	.00075	.00000	.12273	.00170	.00086
%RSD	.16815	99.574	74.470	.17359	80.684	19.505	352.51
#1	-.00343	-.00061	-.00154	-.00080	-.06533	.00993	.00036
#2	-.00342	-.00349	-.00048	-.00080	-.23890	.00752	-.00085
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.02000	5.0000	.02000	.05000
Low	-.01500	-.04000	-.04000	-.02000	-5.0000	-.02000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00033	.00020	-.00402	-.00203	-.00436	.01239	-.00911
SDev	.00051	.00095	.00509	.01658	.00366	.00166	.00001
%RSD	156.34	468.38	126.78	815.00	83.977	13.384	.16376
#1	-.00069	.00087	-.00762	-.01376	-.00177	.01122	-.00912
#2	.00003	-.00047	-.00042	.00969	-.00694	.01356	-.00910
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.01870	-.00230	.0067	.0151	.0103
SDev	.00077	.00589	.0000	.0000	.0003
%RSD	4.1370	256.58	.1965	.1987	3.328
#1	.01925	-.00646	.0067	.0151	.0101
#2	.01816	.00187	.0067	.0150	.0106
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5844	--	--	--	--	--	--
SDev	11.48358	--	--	--	--	--	--
%RSD	.1965088	--	--	--	--	--	--
#1	5836	--	--	--	--	--	--
#2	5852	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSAB4.0 Operator: KT
Run Time: 10/16/00 13:06:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04767	.05191	.62835	505.46	.09629	.52263	.51403
SDev	.00109	.00174	.00140	2.85	.00464	.00357	.00396
%RSD	2.2835	3.3506	.22287	.56409	4.8207	.68335	.77065
#1	.04690	.05068	.62736	507.47	.09300	.52516	.51683
#2	.04844	.05314	.62934	503.44	.09957	.52011	.51123
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.06000	.72000	600.00	.12000	.60000	.60000
Low	.04000	.04000	.48000	400.00	.08000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97366	488.80	.49404	.50251	.55791	196.81	498.96
SDev	.01251	4.13	.00527	.00584	.00304	1.42	3.97
%RSD	1.2849	.84510	1.0673	1.1618	.54524	.72388	.79587
#1	.98251	491.72	.49777	.50664	.56006	197.82	501.77
#2	.96481	485.88	.49031	.49838	.55576	195.80	496.15
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	600.00	.60000	.60000	.60000	240.00	600.00
Low	.80000	400.00	.40000	.40000	.40000	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50556	1.0120	.98800	.21468	H13.264	.10782	-.00033
SDev	.00448	.0054	.01196	.00171	.102	.00305	.00001
%RSD	.88647	.53509	1.2100	.79563	.77070	2.8274	4.2021
#1	.50873	1.0159	.99645	.21588	H13.336	.10998	-.00034
#2	.50239	1.0082	.97954	.21347	H13.192	.10567	-.00032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	.24000	12.000	.12000	.10000
Low	.40000	.80000	.80000	.16000	8.0000	.08000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49422	1.0534	.01014	.62473	.63559	.06352	.03976
SDev	.00469	.0108	.00508	.00271	.00122	.00558	.00442
%RSD	.94925	1.0252	50.046	.43342	.19163	8.7883	11.114
#1	.49753	1.0611	.00655	.62281	.63646	.06746	.03663
#2	.49090	1.0458	.01373	.62664	.63473	.05957	.04288
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	1.2000	.20000				
Low	.40000	.80000	-.20000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.06135	.04719	.0099	.0152	.0012
sDev	.00635	.00056	.0016	.0002	.0015
%RSD	10.357	1.1966	16.24	1.392	123.3
#1	.05686	.04759	.0111	.0154	.0023
#2	.06584	.04679	.0088	.0151	.0002
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.4000	.1000	1.000
Low			-.4000	-.1000	-1.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5893	--	--	--	--	--	--
SDev	31.22595	--	--	--	--	--	--
%RSD	.5299000	--	--	--	--	--	--
#1	5871	--	--	--	--	--	--
#2	5915	--	--	--	--	--	--

Method: QTESTNAK Sample Name: TEST-CRI Operator: KT
Run Time: 10/16/00 13:14:52
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00488	.00863	.01766	.37862	.01690	.02008	.00971
SDev	.00026	.00196	.00059	.00472	.00287	.00004	.00002
%RSD	5.2467	22.739	3.3449	1.2476	16.983	.20881	.19929
#1	.00470	L.00724	.01724	.38196	.01893	.02011	.00972
#2	.00506	.01002	.01807	.37528	L.01487	.02005	.00969
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00750	.01250	.02500	.50000	.02500	.02500	.01250
Low	.00450	.00750	.01500	.30000	.01500	.01500	.00750

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00410	9.9053	.00990	.09706	.04813	.20429	9.5726
SDev	.00022	.0118	.00007	.00092	.00016	.00891	.0177
%RSD	5.3320	.11950	.75678	.94378	.33557	4.3592	.18488
#1	.00425	9.8969	.00985	.09770	.04802	.19800	9.5851
#2	.00394	9.9136	.00996	.09641	.04825	.21059	9.5601
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	12.500	.01250	.12500	.06250	.25000	12.500
Low	.00300	7.5000	.00750	.07500	.03750	.15000	7.5000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03101	.07591	.07953	.00934	9.5774	.01513	.00001
SDev	.00006	.00016	.00016	.00031	.0038	.00740	.00000
%RSD	.20859	.21119	.20655	3.3580	.03973	48.941	47.479
#1	.03106	.07602	.07965	.00956	9.5747	.02036	.00001
#2	.03097	.07579	.07941	.00912	9.5801	L.00989	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	.03750	.10000	.10000	.01250		.02500	
Low	.02250	.06000	.06000	.00750		.01500	

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.09750	.04067	L.01290	.01728	.01842	.00600	.00432
SDev	.00027	.00089	.00001	.00091	.00005	.00130	.00103
%RSD	.27318	2.1788	.10064	5.2682	.26867	21.620	23.864
#1	.09731	.04130	L.01289	.01663	.01845	.00692	.00359
#2	.09769	.04005	L.01291	.01792	.01838	.00508	.00505
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.12500	.05000	.25000				
Low	.07500	.03000	.15000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01099	.00746	L.0000	L.0000	L.0043
SDev	.00371	.00109	.0014	.0000	.0015
%RSD	33.748	14.637	141.4	38.73	34.46
#1	.00837	.00668	L.0000	L.0000	L.0033
#2	.01361	.00823	L.0000	L.0000	L.0054
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low
High			.5000	.1250	1.250
Low			.3000	.0750	.7500

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6530	--	--	--	--	--	--
SDev	13.40672	--	--	--	--	--	--
%RSD	.2053146	--	--	--	--	--	--
#1	6520	--	--	--	--	--	--
#2	6539	--	--	--	--	--	--

Method: QTESTNAK Sample Name: WP68-BLK Operator: KT
Run Time: 10/16/00 13:22:53
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00046	.00226	.00169	-.02263	-.00355	-.00000	-.00009
SDev	.00144	.00079	.00125	.00188	.00132	.00000	.00000
%RSD	313.18	34.954	73.997	8.3188	37.122	166.74	2.1552
#1	-.00148	.00282	.00258	-.02130	-.00448	.00000	-.00009
#2	.00056	.00170	.00081	-.02396	-.00261	-.00000	-.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00083	.01126	.00049	.00051	.00038	-.01101	.00001
SDev	.00008	.01684	.00029	.00072	.00004	.00010	.00006
%RSD	9.5049	149.62	59.465	140.58	11.110	.89795	541.70
#1	.00089	.02317	.00028	.00102	.00041	-.01108	.00005
#2	.00078	-.00065	.00070	.00000	.00035	-.01094	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	.00131	-.00096	-.00005	.22977	-.00109	.00055
SDev	.00000	.00187	.00068	.00007	.07477	.00046	.00001
%RSD	1.2457	142.69	70.698	140.99	32.542	42.253	.91142
#1	.00017	.00263	-.00144	-.00010	.28264	-.00076	.00055
#2	.00016	-.00001	-.00048	-.00000	.17690	-.00141	.00056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00067	-.00000	.00004	.00288	-.00070	.00025	-.00081
SDev	.00047	.00001	.00006	.00235	.00095	.00128	.00152
%RSD	70.932	1294.5	146.92	81.538	136.52	518.71	187.31
#1	-.00033	.00001	-.00000	.00454	-.00137	-.00066	-.00189
#2	-.00100	-.00001	.00008	.00122	-.00002	.00115	.00026
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00525	.00077	.0000	<.0000	<.0000
SDev	.00010	.00124	.0000	.0000	.0005
%RSD	1.9671	161.37	.0000	166.7	20.03
#1	.00518	.00164	.0000	.0000	<.0000
#2	.00533	-.00011	.0000	<.0000	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6508	--	--	--	--	--	--
SDev	20.16670	--	--	--	--	--	--
%RSD	.3098994	--	--	--	--	--	--
#1	6493	--	--	--	--	--	--
#2	6522	--	--	--	--	--	--

Method: QTESTNAK Sample Name: WP68-TR.MET Operator: KT
Run Time: 10/16/00 13:28:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21924	.43486	.63776	.82707	.15810	2.1605	.70969
SDev	.00142	.00034	.00369	.00199	.00252	.0084	.00113
%RSD	.64953	.07711	.57915	.24032	1.5931	.39075	.15969
#1	.21823	.43462	.63515	.82567	.15632	2.1665	.71049
#2	.22024	.43510	.64037	.82848	.15988	2.1545	.70889
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45318	.02128	.21281	.81936	.03878	1.0473	.00024
SDev	.00218	.00016	.00079	.00217	.00024	.0101	.00195
%RSD	.48127	.76748	.37052	.26503	.61680	.96345	808.22
#1	.45473	.02140	.21337	.82089	.03861	1.0545	.00162
#2	.45164	.02117	.21225	.81782	.03895	1.0402	-.00114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2994	.38904	2.1695	.42933	.36795	.19607	-.00004
SDev	.0087	.00520	.0067	.00006	.03995	.00314	.00000
%RSD	.37759	1.3376	.30721	.01334	10.856	1.6042	5.8330
#1	2.3055	.38536	2.1742	.42929	.33971	.19830	-.00004
#2	2.2933	.39272	2.1648	.42937	.39620	.19385	-.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.0000	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.7354	.98472	.00325	.63999	.63327	.21820	.21975
SDev	.0030	.00166	.00454	.00336	.00436	.00333	.00047
%RSD	.17059	.16896	139.68	.52552	.68771	1.5253	.21538
#1	1.7375	.98590	.00004	.63762	.63019	.21585	.21942
#2	1.7333	.98355	.00647	.64237	.63635	.22055	.22009
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.43594	.43432	.4551	.1997	.1003
SDev	.00184	.00042	.0046	.0006	.0033
%RSD	.42163	.09553	1.018	.3255	3.278
#1	.43464	.43461	.4584	.2002	.1026
#2	.43724	.43403	.4518	.1992	.0980
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6525	--	--	--	--	--	--
SDev	5.854692	--	--	--	--	--	--
%RSD	.0897263	--	--	--	--	--	--
#1	6521	--	--	--	--	--	--
#2	6529	--	--	--	--	--	--

Method: QTESTNAK Sample Name: WP68-TR.MET Operator: KT
Run Time: 10/16/00 13:36:49
mment:
..ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21816	.43710	.64201	.83106	.16925	2.1549	.71246
SDev	.00249	.00343	.00234	.00286	.00164	.0087	.00006
%RSD	1.1421	.78477	.36529	.34402	.96917	.40224	.00838
#1	.21992	.43953	.64035	.82904	.16809	2.1610	.71241
#2	.21640	.43467	.64367	.83308	.17041	2.1487	.71250
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45593	.00974	.21331	.82012	.03856	1.0424	.00317
SDev	.00095	.01661	.00016	.00165	.00010	.0257	.00196
%RSD	.20799	170.56	.07705	.20098	.26872	2.4626	61.745
#1	.45660	.02148	.21319	.82128	.03863	1.0242	.00179
#2	.45526	-.00201	.21342	.81895	.03848	1.0605	.00455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3009	.39546	2.1640	.43060	.36072	.20462	-.00004
SDev	.0039	.00080	.0004	.00020	.05107	.00705	.00000
%RSD	.17084	.20170	.01684	.04736	14.158	3.4451	12.103
#1	2.3037	.39603	2.1638	.43074	.39683	.19963	-.00004
#2	2.2981	.39490	2.1643	.43045	.32461	.20960	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.7422	.98499	-.00314	.64288	.64026	.21576	.21936
SDev	.0007	.00361	.00448	.00417	.00130	.00128	.00310
%RSD	.04109	.36603	142.86	.64797	.20321	.59118	1.4127
#1	1.7416	.98754	.00003	.63994	.64118	.21666	.22155
#2	1.7427	.98244	-.00631	.64583	.63934	.21485	.21717
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.43478	.43826	.4510	.1996	.0678
SDev	.00153	.00438	.0023	.0005	.0017
%RSD	.35152	.99935	.5133	.2602	2.480
#1	.43586	.44135	.4526	.1999	.0690
#2	.43370	.43516	.4493	.1992	.0667
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6527	--	--	--	--	--	--
SDev	13.12394	--	--	--	--	--	--
%RSD	.2010679	--	--	--	--	--	--
#1	6518	--	--	--	--	--	--
#2	6536	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: WP68-TR.MET ~~.1X~~ .5X WT 10/10/00 Operator: KT
Run Time: 10/16/00 13:44:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43925	.87365	1.2854	1.6959	.34071	4.2910	1.4246
SDev	.00311	.00472	.0061	.0032	.00460	.0028	.0011
%RSD	.70712	.53988	.47276	.18934	1.3508	.06529	.07633
#1	.44145	.87031	1.2811	1.6982	.34396	4.2890	1.4253
#2	.43706	.87698	1.2897	1.6936	.33745	4.2930	1.4238
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.90618	.04332	.42639	1.6415	.07702	2.0968	.00317
SDev	.00098	.00041	.00034	.0011	.00047	.0168	.00378
%RSD	.10874	.94716	.08099	.06708	.61026	.80351	119.08
#1	.90688	.04361	.42614	1.6422	.07735	2.1087	.00584
#2	.90548	.04303	.42663	1.6407	.07668	2.0849	.00050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5775	.78080	4.3447	.86111	.40368	.40382	-.00008
SDev	.0019	.00585	.0008	.00149	.05061	.00453	.00000
%RSD	.04128	.74952	.01863	.17311	12.536	1.1214	5.1022
#1	4.5789	.77666	4.3442	.86216	.43947	.40061	-.00009
#2	4.5762	.78494	4.3453	.86005	.36790	.40702	-.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	3.4792	1.9578	.00643	1.2805	1.2953	.43738	.44019
SDev	.0008	.0016	.00903	.0074	.0033	.00132	.00400
%RSD	.02302	.08417	140.60	.58163	.25719	.30169	.90824
#1	3.4798	1.9567	.01281	1.2752	1.2930	.43831	.44301
#2	3.4786	1.9590	.00004	1.2858	1.2977	.43645	.43736
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.86768	.87663	.9014	.3997	.1258
Dev	.00274	.00571	.0053	.0007	.0006
%RSD	.31537	.65083	.5828	.1841	.4539
#1	.86575	.87259	.8976	.3992	.1262
#2	.86962	.88066	.9051	.4002	.1254
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6524	--	--	--	--	--	--
SDev	12.95407	--	--	--	--	--	--
%RSD	.1985530	--	--	--	--	--	--
#1	6515	--	--	--	--	--	--
#2	6533	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: WP68-TR.MET ~~1X~~ -5X 10/16/00 Operator: KT
Run Time: 10/16/00 13:52:52
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43885	.87545	1.2790	1.6968	.34087	4.3001	1.4240
SDev	.00072	.00342	.0036	.0035	.00201	.0042	.0009
%RSD	.16309	.39011	.28103	.20351	.59113	.09750	.06008
#1	.43936	.87303	1.2765	1.6993	.33944	4.2971	1.4234
#2	.43834	.87786	1.2815	1.6944	.34229	4.3030	1.4246
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.90553	.02087	.42655	1.6413	.07708	2.1059	.00305
SDev	.00349	.00052	.00059	.0004	.00026	.0090	.00365
%RSD	.38569	2.4912	.13837	.02580	.33339	.42594	119.49
#1	.90307	.02123	.42613	1.6410	.07727	2.0996	.00563
#2	.90800	.02050	.42696	1.6416	.07690	2.1123	.00047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5780	.78184	4.3468	.86010	.52316	.40853	-.00009
SDev	.0070	.00708	.0114	.00154	.09882	.00313	.00001
%RSD	.15328	.90558	.26261	.17920	18.890	.76678	6.7061
#1	4.5731	.77683	4.3387	.86119	.59304	.40631	-.00009
#2	4.5830	.78685	4.3549	.85901	.45328	.41074	-.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	3.4777	1.9615	.00957	1.2749	1.2872	.43891	.43882
SDev	.0001	.0032	.01366	.0049	.0010	.00318	.00266
%RSD	.00263	.16108	142.70	.38393	.07689	.72521	.60667
#1	3.4776	1.9593	-.00009	1.2714	1.2865	.43666	.44070
#2	3.4777	1.9638	.01923	1.2784	1.2879	.44116	.43694
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.88160	.87238	.9041	.4010	.1228
SDev	.00092	.00558	.0045	.0010	.0002
%RSD	.10411	.63945	.4996	.2480	.1542
#1	.88225	.86843	.9009	.4003	.1229
#2	.88095	.87632	.9073	.4017	.1226
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6505	--	--	--	--	--	--
SDev	18.32815	--	--	--	--	--	--
%RSD	.2817687	--	--	--	--	--	--
#1	6492	--	--	--	--	--	--
#2	6518	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DK59K1 Operator: KT
Run Time: 10/16/00 14:00:53
mment:
de: CONC Corr. Factor: 1

Red

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06239	.06609	.00169	.01360	.07727	1.0661	.00470
SDev	.00072	.00202	.00413	.00177	.00245	.0007	.00001
%RSD	1.1603	3.0637	244.89	12.987	3.1672	.06859	.15736
#1	.06188	.06753	-.00123	.01485	.07554	1.0656	.00470
#2	.06290	.06466	.00461	.01235	.07900	1.0666	.00469
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01610	25.399	.08082	.00049	.07565	.25094	.00238
SDev	.00075	.046	.00015	.00072	.00045	.00350	.00201
%RSD	4.6600	.18265	.18560	146.53	.59706	1.3968	84.341
#1	.01663	25.431	.08093	.00101	.07597	.25342	.00380
#2	.01557	25.366	.08072	-.00002	.07534	.24846	.00096
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09520	.00267	.06668	.12706	.25351	.00272	-.00030
SDev	.00006	.00001	.00012	.00029	.02144	.00139	.00039
%RSD	.06309	.37212	.18279	.22670	8.4577	50.872	132.35
#1	.09516	.00267	.06676	.12685	.26867	.00370	-.00058
#2	.09525	.00266	.06659	.12726	.23835	.00174	-.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00067	1.1853	-.00004	.00301	-.00096	.06342	.06187
SDev	.00047	.0003	.00004	.00439	.00360	.00336	.00059
%RSD	70.466	.02108	89.032	146.02	373.34	5.2928	.95459
#1	-.00034	1.1851	-.00006	-.00010	-.00351	.06105	.06229
#2	-.00101	1.1855	-.00001	.00612	.00158	.06580	.06145
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm		
·ge	.06911	.06459	.0180	.0071	.1255		
..Dev	.00226	.00191	.0000	.0001	.0024		
%RSD	3.2744	2.9511	.1815	1.478	1.885		
#1	.07071	.06594	.0181	.0070	.1271		
#2	.06751	.06324	.0180	.0072	.1238		
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass		
High			110.0	5.500	55.00		
Low			-.2000	-.0500	-.5000		
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6483	--	--	--	--	--	--
SDev	11.76601	--	--	--	--	--	--
%RSD	.1814924	--	--	--	--	--	--
#1	6475	--	--	--	--	--	--
#2	6491	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DK59K1 Operator: KT
Run Time: 10/16/00 14:10:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07111	.07315	.00060	.01690	.09221	1.2274	.00541
SDev	.00131	.00208	.00054	.00297	.00619	.0030	.00000
%RSD	1.8436	2.8410	90.110	17.594	6.7078	.24405	.04251
#1	.07204	.07462	.00022	.01900	.09659	1.2296	.00541
#2	.07019	.07169	.00098	.01480	.08784	1.2253	.00541
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01842	29.206	.09277	-.00002	.08663	.29978	-.00175
SDev	.00011	.112	.00006	.00000	.00005	.00326	.00000
%RSD	.61658	.38326	.06075	3.5839	.05364	1.0868	.02292
#1	.01834	29.285	.09273	-.00002	.08667	.30208	-.00175
#2	.01850	29.127	.09281	-.00002	.08660	.29748	-.00175
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10954	.00004	.07540	.14609	.44098	.00069	-.00003
SDev	.00018	.00000	.00139	.00044	.09980	.00391	.00000
%RSD	.16712	4.0424	1.8481	.30027	22.632	570.26	3.7243
#1	.10941	.00004	.07639	.14640	.51155	.00345	-.00003
#2	.10967	.00004	.07441	.14578	.37041	-.00208	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00101	1.3649	.00962	.00222	-.00264	.06905	.07214
SDev	.00000	.0046	.00457	.00081	.00000	.00234	.00080
%RSD	.00920	.34002	47.502	36.616	.07781	3.3847	1.1071
#1	-.00101	1.3681	.00639	.00165	-.00264	.07071	.07270
#2	-.00101	1.3616	.01285	.00280	-.00265	.06740	.07158
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.07278	.07334	.0171	.0080	.1341
SDev	.00149	.00237	.0014	.0000	.0014
%RSD	2.0463	3.2347	8.273	.0473	1.020
#1	.07384	.07502	.0161	.0081	.1350
#2	.07173	.07166	.0181	.0080	.1331
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6475	--	--	--	--	--	--
SDev	2.998298	--	--	--	--	--	--
%RSD	.0463023	--	--	--	--	--	--
#1	6473	--	--	--	--	--	--
#2	6478	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/16/00 14:18:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49500	.49587	.49647	24.541	.48813	2.0150	2.0394
SDev	.00043	.00476	.00186	.030	.01073	.0026	.0011
%RSD	.08615	.95979	.37549	.12196	2.1985	.13051	.05382
#1	.49530	.49923	.49515	24.562	.49572	2.0169	2.0401
#2	.49470	.49250	.49779	24.520	.48054	2.0132	2.0386
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50476	101.77	2.0353	2.0179	1.9718	25.496	100.68
SDev	.00044	.01	.0017	.0009	.0029	.021	.20
%RSD	.08678	.01161	.08374	.04572	.14848	.08100	.19439
#1	.50507	101.78	2.0365	2.0186	1.9738	25.510	100.81
#2	.50445	101.76	2.0341	2.0173	1.9697	25.481	100.54
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0366	1.9876	2.0194	.99764	49.979	.96900	2.0319
SDev	.0010	.0228	.0004	.00120	.036	.01069	.0011
%RSD	.05137	1.1477	.02052	.12004	.07195	1.1033	.05484
#1	2.0373	1.9714	2.0197	.99848	49.953	.97656	2.0327
#2	2.0358	2.0037	2.0191	.99679	50.004	.96145	2.0311
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0276	2.0420	1.9483	.49704	.49532	.49405	.49548
SDev	.0020	.0007	.0084	.00519	.00479	.00411	.00141
%RSD	.09635	.03282	.42878	1.0437	.96768	.83203	.28516
#1	2.0290	2.0424	1.9542	.49337	.49871	.49696	.49448
#2	2.0262	2.0415	1.9424	.50071	.49193	.49114	.49648
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.50077	.49342	1.983	2.056	1.862
SDev	.00164	.00632	.003	.003	.001
%RSD	.32798	1.2799	.1728	.1595	.0738
#1	.50194	.49788	1.980	2.059	1.863
#2	.49961	.48895	1.985	2.054	1.861
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6354	--	--	--	--	--	--
SDev	12.19034	--	--	--	--	--	--
%RSD	.1918500	--	--	--	--	--	--
#1	6345	--	--	--	--	--	--
#2	6363	--	--	--	--	--	--

Analysis Report QC Standard 10/16/00 02:32:14 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/16/00 14:26:23
mment:
de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00061	-.00032	-.00261	-.03018	.00240	-.00000	.00009
SDev	.00066	.00315	.00214	.00323	.00217	.00000	.00000
%RSD	107.93	997.77	82.014	10.712	90.797	55.604	1.4908
#1	-.00014	.00191	-.00413	-.02789	.00086	-.00000	.00009
#2	-.00107	-.00254	-.00110	-.03246	.00393	-.00000	.00009
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.02224	.00063	.00102	.00034	-.00011	.00422
SDev	.00011	.00048	.00049	.00000	.00004	.00309	.00198
%RSD	376.18	2.1781	78.720	.09039	10.747	2842.6	46.819
#1	.00011	.02258	.00028	.00102	.00037	-.00230	.00562
#2	-.00005	.02189	.00097	.00102	.00032	.00208	.00283
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	.00391	.00047	-.00016	.21316	-.00465	.00028
SDev	.00000	.00184	.00000	.00007	.11768	.00679	.00039
%RSD	.51997	46.886	.52987	47.028	55.208	145.90	138.31
#1	-.00017	.00262	.00048	-.00021	.29638	-.00946	.00001
#2	-.00017	.00521	.00047	-.00010	.12995	.00015	.00056
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00000	-.00002	.00010	-.00196	-.00392	-.00155	-.00014
SDev	.00047	.00001	.00005	.00142	.00359	.00159	.00019
%RSD	19020.	67.847	52.678	72.450	91.582	102.55	138.28
#1	.00033	-.00001	.00006	-.00296	-.00646	-.00043	-.00000
#2	-.00034	-.00003	.00013	-.00095	-.00138	-.00268	-.00027
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00173	-.00134	.0000	<.0000	<.0000
SDev	.00356	.00295	.0000	.0002	.0010
%RSD	205.13	219.92	.0000	49270.	17.18
#1	.00425	.00074	.0000	.0002	<.0000
#2	-.00078	-.00342	.0000	<.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6526	--	--	--	--	--	--
SDev	17.19671	--	--	--	--	--	--
%RSD	.2635027	--	--	--	--	--	--
#1	6514	--	--	--	--	--	--
#2	6538	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DK59K1 ~~.1X~~ 0.5X Operator: KT
Run Time: 10/16/00 14:34:28
Comment:
Mode: CONC Corr. Factor: 1

wrong chart, table flags are NA

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.14607	H.15138	.00137	.04809	H.18200	H2.4749	H.01101
SDev	.00068	.00234	.00178	.00640	.00185	.0036	.00012
%RSD	.46196	1.5437	129.74	13.314	1.0173	.14595	1.1050
#1	H.14559	H.15303	.00263	.05262	H.18069	H2.4723	H.01109
#2	H.14655	H.14973	.00011	.04356	H.18331	H2.4774	H.01092
Errors	LC High	LC High	LC Pass	LC Pass	LC High	LC High	LC High
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.03714	H59.806	H.18839	.00098	H.17618	H.59088	-.00064
SDev	.00027	.108	.00043	.00000	.00007	.01537	.00003
%RSD	.73754	.18122	.22819	.01291	.04086	2.6010	3.9245
#1	H.03695	H59.883	H.18869	.00098	H.17613	H.60174	-.00062
#2	H.03734	H59.730	H.18808	.00098	H.17623	H.58001	-.00066
Errors	LC High	LC High	LC High	LC Pass	LC High	LC High	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.22217	.00139	H.15423	H.29393	.63521	-.00060	-.00005
SDev	.00032	.00187	.00006	.00100	.00022	.00498	.00000
%RSD	.14348	134.44	.03814	.34072	.03431	832.50	1.5187
#1	H.22194	.00271	H.15419	H.29464	.63506	-.00412	-.00005
#2	H.22239	.00007	H.15427	H.29322	.63537	.00292	-.00005
Errors	LC High	LC Pass	LC High	LC High	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00035	H2.7678	.00638	.00204	.00004	.14505	.14658
SDev	.00000	.0014	.00913	.00152	.00231	.00173	.00015
%RSD	.08313	.04894	143.08	74.391	6261.6	1.1906	.10199
#1	-.00035	H2.7688	-.00007	.00311	.00167	.14382	.14647
#2	-.00035	H2.7669	.01283	.00097	-.00160	.14627	.14669
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.15668	.14874	.0361	.0165	.2783
SDev	.00364	.00169	.0000	.0001	.0017
%RSD	2.3233	1.1337	.0380	.7562	.6035
#1	.15925	.14993	.0361	.0164	.2795
#2	.15410	.14755	.0362	.0166	.2771
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6473	--	--	--	--	--	--
SDev	2.460718	--	--	--	--	--	--
%RSD	.0380178	--	--	--	--	--	--
#1	6474	--	--	--	--	--	--
#2	6471	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DK59K1 .5X ~~.1X~~ 10/16/00 Operator: KT
Run Time: 10/16/00 14:42:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14554	.15551	-.00244	.04727	.18588	2.4793	.01106
SDev	.00041	.00554	.00094	.00074	.00209	.0097	.00000
%RSD	.28274	3.5633	38.361	1.5705	1.1240	.39219	.00668
#1	.14583	.15943	-.00178	.04675	.18440	2.4862	.01106
#2	.14524	.15159	-.00310	.04780	.18735	2.4724	.01106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03766	59.878	.18894	-.00004	.17689	.58872	.00070
SDev	.00029	.005	.00069	.00000	.00027	.00306	.00195
%RSD	.76645	.00785	.36291	.63203	.15485	.51931	279.42
#1	.03786	59.875	.18942	-.00004	.17708	.59088	-.00068
#2	.03745	59.881	.18845	-.00004	.17670	.58656	.00208
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.22247	-.00126	.15364	.29443	.54432	-.00051	-.00004
SDev	.00045	.00186	.00134	.00047	.02919	.00142	.00000
%RSD	.20182	148.03	.87327	.15855	5.3624	276.71	.05366
#1	.22279	.00006	.15459	.29410	.52368	-.00151	-.00004
#2	.22215	-.00257	.15269	.29476	.56496	.00049	-.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00102	2.7703	.01286	-.00181	-.00371	.14350	.14655
SDev	.00000	.0030	.00910	.00417	.00555	.00351	.00237
%RSD	.08815	.10747	70.738	231.16	149.62	2.4498	1.6185
#1	-.00102	2.7724	.00643	.00115	-.00763	.14101	.14823
#2	-.00102	2.7682	.01929	-.00476	.00021	.14598	.14488
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.15726	.15463	.0340	.0165	.2697
SDev	.00074	.00868	.0028	.0000	.0043
%RSD	.47301	5.6127	8.327	.0079	1.579
#1	.15674	.16077	.0320	.0165	.2727
#2	.15779	.14849	.0360	.0165	.2667
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6497	--	--	--	--	--	--
SDev	.5089235	--	--	--	--	--	--
%RSD	.0078328	--	--	--	--	--	--
#1	6498	--	--	--	--	--	--
#2	6497	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DK59K1 Operator: KT
Run Time: 10/16/00 14:50:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07345	.07807	-.00093	.00247	.08940	1.2501	.00554
SDev	.00053	.00419	.00077	.00362	.00090	.0034	.00000
%RSD	.72561	5.3715	82.912	146.57	1.0041	.27248	.02068
#1	.07308	.07511	-.00038	.00502	.09003	1.2477	.00554
#2	.07383	.08104	-.00147	-.00009	.08876	1.2525	.00554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01914	30.147	.09575	.00100	.08833	.30558	.00381
SDev	.00005	.005	.00098	.00000	.00027	.00933	.00000
%RSD	.26001	.01610	1.0224	.00648	.30662	3.0517	.06212
#1	.01917	30.150	.09506	.00100	.08814	.31218	.00381
#2	.01910	30.143	.09644	.00100	.08853	.29899	.00381
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11244	.00001	.07707	.14923	.44462	.00113	-.00001
SDev	.00021	.00000	.00066	.00002	.02964	.00424	.00000
%RSD	.19009	9.6192	.85690	.01606	6.6656	375.76	1.9312
#1	.11229	.00002	.07660	.14925	.46557	-.00187	-.00001
#2	.11259	.00001	.07753	.14922	.42366	.00412	-.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00068	1.4037	.00332	.00075	-.00429	.07411	.07313
SDev	.00047	.0022	.00452	.00034	.00163	.00143	.00008
%RSD	69.129	.15373	136.24	45.680	37.942	1.9341	.11415
#1	-.00101	1.4022	.00651	.00099	-.00314	.07310	.07307
#2	-.00035	1.4052	.00012	.00051	-.00545	.07512	.07319
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.08123	.07649	.0169	.0084	.1434
SDev	.00802	.00228	.0014	.0001	.0001
%RSD	9.8733	2.9849	8.303	1.417	.0341
#1	.07556	.07488	.0159	.0085	.1434
#2	.08690	.07811	.0179	.0083	.1433
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6537	--	--	--	--	--	--
SDev	1.046504	--	--	--	--	--	--
%RSD	.0160091	--	--	--	--	--	--
#1	6536	--	--	--	--	--	--
#2	6538	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DK59K2 Operator: KT
Run Time: 10/16/00 14:58:52
mment:
de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	-.00276	.04067	-.03563	-.00656	.00033	.00010
SDev	.00042	.00160	.00060	.00140	.00078	.00000	.00000
%RSD	549.39	58.009	1.4787	3.9278	11.919	.02003	.12815
#1	.00022	-.00390	.04024	-.03464	-.00601	.00033	.00010
#2	-.00037	-.00163	.04109	-.03662	-.00712	.00033	.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00006	.34007	.00020	.00052	.00021	-.01540	-.00281
SDev	.00001	.00005	.00010	.00071	.00000	.00608	.00199
%RSD	20.445	.01464	48.098	137.84	.77759	39.441	70.835
#1	.00005	.34004	.00027	.00102	.00021	-.01111	-.00140
#2	.00007	.34011	.00013	.00001	.00021	-.01970	-.00422
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
.igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	.08437	.00047	.00005	.28636	-.00469	.00003
SDev	.00000	.00183	.00000	.00007	.01021	.00964	.00000
%RSD	.01904	2.1672	.02005	151.87	3.5647	205.52	.68234
#1	-.00017	.08567	.00047	.00010	.29358	L-.01151	.00003
#2	-.00017	.08308	.00047	-.00000	.27914	.00213	.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00095	.01391	.00025	.04097	.04005	.00097	-.00060
SDev	.00000	.00079	.00000	.00139	.00098	.00026	.00075
%RSD	.08301	5.6796	.67134	3.3917	2.4412	27.198	126.03
#1	-.00095	.01447	.00026	.03999	.04074	.00078	-.00007
#2	-.00096	.01335	.00025	.04196	.03936	.00116	-.00113
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00048	-.00438	.6567	.0002	.0407
SDev	.00435	.00458	.0043	.0001	.0006
%RSD	901.36	104.40	.6479	47.54	1.437
#1	.00356	-.00762	.6537	.0003	.0411
#2	-.00260	-.00115	.6597	.0002	.0403
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6580	--	--	--	--	--	--
SDev	.6504830	--	--	--	--	--	--
%RSD	.0098855	--	--	--	--	--	--
#1	6581	--	--	--	--	--	--
#2	6580	--	--	--	--	--	--

Analysis Report 10/16/00 03:10:36 PM

Method: QTESTNAK Sample Name: DK59K2 Operator: KT
Run Time: 10/16/00 15:04:45
Comment:
Code: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00040	-.00095	.04092	-.03482	-.00376	-.00000	.00010
SDev	.00036	.00272	.00021	.00059	.00165	.00000	.00000
%RSD	90.557	287.86	.50245	1.6823	43.971	8.8884	.76630
#1	.00014	.00098	.04107	-.03524	-.00259	-.00000	.00010
#2	.00066	-.00287	.04078	-.03441	-.00493	-.00000	.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00028	.08974	-.00000	.00102	.00024	-.00678	.00003
SDev	.00029	.00024	.00020	.00000	.00001	.01845	.00194
%RSD	103.16	.26636	41034.	.01577	5.9612	272.13	7277.7
#1	.00048	.08991	-.00014	.00102	.00025	.00627	.00140
#2	.00008	.08957	.00014	.00102	.00023	-.01982	-.00134
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.08718	-.00143	-.00026	.24261	-.00661	.00002
SDev	.00023	.00175	.00000	.00037	.07327	.00349	.00000
%RSD	4394.1	2.0113	.06324	139.42	30.199	52.735	8.7036
#1	-.00017	.08594	-.00143	-.00052	.29442	-.00415	.00002
#2	.00016	.08842	-.00143	-.00000	.19081	-.00908	.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00062	.00276	.00657	.04198	.03880	-.00134	.00127
SDev	.00047	.00079	.00902	.00013	.00035	.00222	.00056
%RSD	74.583	28.635	137.19	.31301	.91299	166.02	44.470
#1	-.00029	.00220	.00020	.04208	.03905	-.00291	.00167
#2	-.00095	.00332	.01295	.04189	.03855	.00023	.00087
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00502	-.00392	.6632	<.0000	.0403
SDev	.00221	.00519	.0034	.0000	.0008
%RSD	44.073	132.24	.5174	8.888	1.981
#1	.00345	-.00025	.6656	<.0000	.0409
#2	.00658	-.00759	.6607	<.0000	.0398
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6565	--	--	--	--	--	--
SDev	6.250713	--	--	--	--	--	--
%RSD	.0952130	--	--	--	--	--	--
#1	6561	--	--	--	--	--	--
#2	6569	--	--	--	--	--	--

Analysis Report 10/16/00 03:18:38 PM page 1

Method: QTESTNAK Sample Name: DK59K2 ~~.1X~~ .5X 10/16/00 Operator: KT
Run Time: 10/16/00 15:12:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00032	.00121	.07872	-.03088	-.00253	.00033	.00001
SDev	.00145	.00021	.00128	.00111	.00168	.00000	.00012
%RSD	459.26	17.514	1.6201	3.5940	66.374	.42856	846.74
#1	-.00071	.00106	.07962	-.03009	-.00134	.00033	-.00007
#2	.00134	.00136	.07782	-.03166	-.00372	.00033	.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.02079	.00036	.00102	.00039	-.00911	.00144
SDev	.00033	.00039	.00010	.00000	.00031	.00308	.00191
%RSD	2178.1	1.8598	28.603	.01874	80.279	33.810	132.53
#1	-.00025	.02051	.00029	.00102	.00017	-.00693	.00279
#2	.00022	.02106	.00044	.00102	.00061	-.01129	.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	.17014	-.00095	.00010	.24997	-.00223	.00003
SDev	.00000	.00220	.00067	.00000	.02026	.00030	.00001
%RSD	.40783	1.2944	70.293	.41143	8.1039	13.583	16.769
#1	-.00017	.16859	-.00048	.00010	.26429	-.00244	.00003
#2	-.00017	.17170	-.00143	.00010	.23564	-.00202	.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00058	.00050	.00977	.07706	.08204	.00119	-.00012
SDev	.00046	.00078	.00451	.00266	.00149	.00436	.00000
%RSD	79.761	156.97	46.175	3.4474	1.8179	366.52	2.8236
#1	-.00025	.00105	.01297	.07894	.08099	-.00189	-.00012
#2	-.00091	-.00005	.00658	.07518	.08310	.00427	-.00012
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00056	.00209	1.321	<.0000	.0896
SDev	.00282	.00109	.013	.0001	.0037
%RSD	500.48	52.130	.9520	137.5	4.138
#1	-.00256	.00286	1.312	<.0000	.0922
#2	.00143	.00132	1.330	<.0000	.0870
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6578	--	--	--	--	--	--
SDev	13.91599	--	--	--	--	--	--
%RSD	.2115535	--	--	--	--	--	--
#1	6588	--	--	--	--	--	--
#2	6568	--	--	--	--	--	--

Analysis Report 10/16/00 03:26:39 PM

Method: QTESTNAK Sample Name: DK59K2 ~~1X~~ 5X Operator: KT
Run Time: 10/16/00 15:20:49
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	-.00080	.07919	-.03949	-.00059	.00016	.00010
SDev	.00058	.00404	.00210	.00085	.00108	.00024	.00000
%RSD	1172.8	506.39	2.6545	2.1563	182.45	145.11	.00182
#1	.00046	.00206	.08068	-.04009	.00017	.00033	.00010
#2	-.00036	-.00365	.07771	-.03889	-.00136	-.00000	.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	.02068	.00015	.00001	.00038	-.00901	-.00414
SDev	.00052	.00017	.00059	.00000	.00027	.00307	.00196
%RSD	189.52	.83994	388.31	8.2666	71.077	34.063	47.374
#1	.00064	.02055	.00057	.00001	.00058	-.01118	-.00275
#2	-.00009	.02080	-.00027	.00001	.00019	-.00684	-.00552
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00033	.16874	-.00095	-.00016	.32148	-.00519	.00003
SDev	.00023	.00016	.00067	.00007	.10148	.00173	.00000
%RSD	69.277	.09664	70.194	45.348	31.565	33.333	6.6789
#1	-.00017	.16862	-.00142	-.00021	.24973	-.00641	.00003
#2	-.00049	.16885	-.00048	-.00011	.39324	-.00396	.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00058	.00050	.00026	.08111	.07535	-.00174	.00094
SDev	.00046	.00079	.00002	.00271	.00089	.00100	.00038
%RSD	79.901	159.20	7.0107	3.3379	1.1811	57.717	39.765
#1	-.00025	.00105	.00027	.08302	.07598	-.00103	.00121
#2	-.00091	-.00006	.00025	.07919	.07473	-.00245	.00068
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
⁄ge	.00560	-.00399	1.320	<.0000	.0839
⊃Dev	.00873	.00170	.017	.0000	.0002
%RSD	155.75	42.454	1.258	.0000	.2781
#1	.01178	-.00279	1.308	<.0000	.0837
#2	-.00057	-.00519	1.332	<.0000	.0841
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6582	--	--	--	--	--	--
SDev	6.251059	--	--	--	--	--	--
%RSD	.0949712	--	--	--	--	--	--
#1	6586	--	--	--	--	--	--
#2	6578	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: WP68-BLK-CA,MG Operator: KT
n Time: 10/16/00 15:28:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00076	.00035	.00013	-.05110	-.00296	.00000	.00026
SDev	.00059	.00647	.00123	.00023	.00425	.00000	.00000
%RSD	77.557	1834.5	927.41	.44956	143.84	38.106	.17303
#1	.00034	-.00422	.00100	-.05126	.00005	.00000	.00026
#2	.00117	.00492	-.00074	-.05094	-.00597	.00000	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00056	.02501	.00066	.00051	.00076	-.00669	.00010
SDev	.00026	.00072	.00031	.00073	.00035	.00635	.00401
%RSD	46.834	2.8968	47.161	143.45	45.842	94.950	3962.7
#1	.00037	.02552	.00088	.00102	.00100	-.01118	-.00273
#2	.00075	.02450	.00044	-.00001	.00051	-.00220	.00294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00135	.00001	-.00021	.47922	L-.01227	-.00002
SDev	.00000	.00186	.00205	.00015	.11116	.00255	.00001
%RSD	.80011	137.95	23970.	71.232	23.196	20.810	38.164
#1	-.00016	.00003	.00146	-.00032	.55783	L-.01047	-.00003
#2	-.00016	.00267	-.00144	-.00010	.40062	L-.01408	-.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00066	.00347	-.00668	-.00042	.00124	.00240	-.00007
SDev	.00048	.00002	.00909	.00035	.00299	.00157	.00010
%RSD	71.706	.53909	136.20	82.909	240.57	65.267	146.56
#1	-.00100	.00348	-.00025	-.00017	.00335	.00129	-.00013
#2	-.00033	.00346	-.01311	-.00067	-.00087	.00351	.00000
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00356	.00231	.0000	.0000	.0021
SDev	.00907	.00517	.0000	.0000	.0019
%RSD	254.53	224.06	.0000	38.11	89.15
#1	-.00997	-.00135	.0000	.0000	.0034
#2	.00285	.00596	.0000	.0000	.0008
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6429	--	--	--	--	--	--
SDev	24.91861	--	--	--	--	--	--
%RSD	.3875741	--	--	--	--	--	--
#1	6412	--	--	--	--	--	--
#2	6447	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: WP68-CA,MG 2X Operator: KT
Run Time: 10/16/00 15:34:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00128	.00015	-.00074	-.05240	-.00230	.00068	.00009
SDev	.00049	.00301	.00156	.00515	.00683	.00000	.00000
%RSD	37.985	2065.2	211.03	9.8213	296.41	.16260	.79632
#1	.00162	-.00198	-.00184	-.04877	-.00713	.00068	.00009
#2	.00093	.00227	.00036	-.05604	.00252	.00068	.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	14.122	.00028	.00051	.00142	-.00003	9.4939
SDev	.00026	.327	.00060	.00072	.00027	.00316	.2399
%RSD	372.49	2.3188	211.90	141.52	19.171	10133.	2.5268
#1	-.00011	13.890	-.00014	-.00000	.00123	.00221	9.3243
#2	.00025	14.353	.00070	.00102	.00162	-.00227	9.6636
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	-.00000	-.00048	-.00016	.36906	-.00676	.00000
SDev	.00000	.00000	.00135	.00007	.04003	.00423	.00000
%RSD	.21652	215.79	282.93	47.161	10.847	62.557	193.55
#1	-.00016	.00000	.00048	-.00021	.34075	-.00377	-.00000
#2	-.00017	-.00000	-.00144	-.00010	.39737	-.00976	.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00067	.00113	.00645	-.00029	-.00162	.00062	.00161
SDev	.00047	.00000	.00908	.00119	.00228	.00007	.00076
%RSD	70.695	.16047	140.75	404.57	140.67	11.748	47.485
#1	-.00033	.00113	.01287	-.00114	-.00324	.00056	.00215
#2	-.00100	.00113	.00003	.00055	-.00001	.00067	.00107
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001503

nits			ppm	ppm	ppm
Avge	.00521	-.00238	.0000	.0079	.0368
SDev	.00444	.00230	.0000	.0002	.0014
%RSD	85.255	96.371	.0000	2.898	3.921
#1	.00207	-.00400	.0000	.0077	.0378
#2	.00835	-.00076	.0000	.0080	.0357
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6499	--	--	--	--	--	--
SDev	7.042756	--	--	--	--	--	--
%RSD	.1083664	--	--	--	--	--	--
#1	6494	--	--	--	--	--	--
#2	6504	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: WP68-CA,MG 2X Operator: KT
Run Time: 10/16/00 15:42:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00107	.00150	-.00209	-.06104	-.00125	.00068	.00009
SDev	.00074	.00332	.00010	.00171	.00061	.00000	.00000
%RSD	68.767	221.96	4.7020	2.7948	48.863	.33827	.52968
#1	.00055	-.00085	-.00216	-.05983	-.00168	.00069	.00009
#2	.00159	.00385	-.00202	-.06224	-.00082	.00068	.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00029	14.157	.00028	.00000	.00183	-.00219	9.5422
SDev	.00038	.000	.00081	.00000	.00032	.00001	.0460
%RSD	129.79	.00264	284.09	358.66	17.658	.32054	.48187
#1	.00056	14.157	.00085	-.00000	.00206	-.00218	9.5097
#2	.00002	14.157	-.00029	.00000	.00160	-.00219	9.5748
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	-.00000	-.00048	.00016	.33318	-.00890	.00000
SDev	.00000	.00001	.00000	.00022	.05173	.00082	.00001
%RSD	.45053	384.14	.00000	141.39	15.527	9.2051	491.89
#1	-.00016	.00000	-.00048	.00031	.36975	-.00832	-.00000
#2	-.00017	-.00001	-.00048	.00000	.29660	-.00948	.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00067	.00113	-.00320	-.00290	-.00046	.00175	.00073
SDev	.00047	.00001	.00450	.00015	.00001	.00294	.00257
%RSD	70.470	.83552	140.73	5.2173	1.7401	167.60	351.86
#1	-.00100	.00114	-.00002	-.00301	-.00046	.00383	-.00109
#2	-.00033	.00113	-.00638	-.00279	-.00047	-.00032	.00255
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
Avge	.01092	-.00320	<.0000	.0079	.0437
SDev	.00080	.00459	.0014	.0000	.0094
%RSD	7.2915	143.16	141.4	.2303	21.39
#1	.01035	-.00645	<.0000	.0079	.0371
#2	.01148	.00004	.0000	.0078	.0503
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6499	--	--	--	--	--	--
SDev	14.65140	--	--	--	--	--	--
%RSD	.2254520	--	--	--	--	--	--
#1	6488	--	--	--	--	--	--
#2	6509	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/16/00 15:50:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49201	.49739	.49440	24.527	.48884	2.0158	2.0323
SDev	.00011	.00588	.00278	.052	.00139	.0012	.0031
%RSD	.02192	1.1821	.56305	.21388	.28450	.05829	.15395
#1	.49194	.49323	.49244	24.564	.48785	2.0149	2.0345
#2	.49209	.50154	.49637	24.490	.48982	2.0166	2.0301
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49653	100.96	2.0262	2.0072	1.9649	25.367	101.02
SDev	.00001	.20	.0027	.0001	.0048	.024	.02
%RSD	.00216	.20094	.13302	.00333	.24280	.09550	.02142
#1	.49652	101.10	2.0281	2.0072	1.9682	25.384	101.03
#2	.49654	100.81	2.0243	2.0071	1.9615	25.350	101.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0300	1.9786	2.0043	.99911	49.892	.97596	2.0425
SDev	.0009	.0218	.0039	.00360	.122	.00787	.0027
%RSD	.04490	1.1022	.19542	.35978	.24403	.80659	.13124
#1	2.0306	1.9632	2.0015	1.0017	49.978	.97039	2.0444
#2	2.0293	1.9941	2.0070	.99657	49.806	.98153	2.0406
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0272	2.0290	1.9409	.49501	.49320	.49138	.49233
SDev	.0035	.0006	.0018	.00161	.00513	.00158	.00063
%RSD	.17420	.03147	.09095	.32605	1.0395	.32175	.12749
#1	2.0297	2.0295	1.9396	.49386	.48957	.49026	.49277
#2	2.0247	2.0286	1.9421	.49615	.49682	.49250	.49189
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001507

Units			ppm	ppm	ppm
Avge	.50163	.49527	1.980	2.069	1.859
SDev	.00221	.00992	.003	.000	.007
%RSD	.44049	2.0025	.1422	.0160	.3773
#1	.50319	.48826	1.978	2.069	1.854
#2	.50006	.50228	1.982	2.069	1.864
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6335	--	--	--	--	--	--
SDev	9.560098	--	--	--	--	--	--
%RSD	.1509035	--	--	--	--	--	--
#1	6328	--	--	--	--	--	--
#2	6342	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCBT Operator: KT
Time: 10/16/00 15:58:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00089	-.00112	-.00101	-.05794	.00010	-.00000	.00027
SDev	.00104	.00293	.00519	.00070	.00581	.00000	.00000
%RSD	116.92	261.86	512.85	1.2138	5746.7	.29360	.12259
#1	.00163	.00095	.00266	-.05844	-.00400	-.00000	.00027
#2	.00015	-.00320	-.00468	-.05745	.00421	-.00000	.00027
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00018	.02230	.00056	.00051	.00055	-.00442	.00280
SDev	.00010	.00000	.00000	.00072	.00029	.00922	.00396
%RSD	54.061	.01095	.03597	140.47	52.379	208.35	141.08
#1	.00011	.02230	.00056	.00000	.00035	-.01094	.00560
#2	.00024	.02230	.00056	.00102	.00075	.00209	.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	.00261	-.00000	-.00036	.20580	-.00140	.00028
SDev	.00000	.00000	.00067	.00037	.10688	.00212	.00039
%RSD	.00256	.03854	27784.	100.89	51.936	151.45	136.67
#1	-.00017	.00261	-.00048	-.00063	.13022	.00010	.00056
#2	-.00017	.00261	.00047	-.00010	.28138	-.00291	.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00067	-.00002	.00329	.00136	-.00577	-.00026	.00147
SDev	.00047	.00000	.00453	.00891	.00228	.00257	.00285
%RSD	70.365	26.321	137.56	653.97	39.558	984.32	193.95
#1	-.00100	-.00001	.00650	.00767	-.00738	-.00208	.00348
#2	-.00034	-.00002	.00009	-.00494	-.00415	.00156	-.00055
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

ıits			ppm	ppm	ppm
Avge	.00585	-.00460	.0010	<.0000	<.0000
SDev	.00073	.00403	.0014	.0001	.0012
%RSD	12.502	87.654	141.4	140.2	26.61
#1	.00637	-.00175	.0020	<.0000	<.0000
#2	.00534	-.00746	.0000	<.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6524	--	--	--	--	--	--
SDev	.0845904	--	--	--	--	--	--
%RSD	.0012966	--	--	--	--	--	--
#1	6524	--	--	--	--	--	--
#2	6524	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DK59M Operator: KT
n Time: 10/16/00 16:04:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00018	-.00075	-.00140	-.04549	-.00237	.00069	.00027
SDev	.00080	.00043	.00401	.00238	.00747	.00000	.00000
%RSD	433.97	57.515	285.73	5.2340	315.76	.25483	.07944
#1	-.00038	-.00044	-.00424	-.04380	-.00765	.00069	.00026
#2	.00075	-.00105	.00143	-.04717	.00292	.00069	.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00022	37.330	.00051	-.00001	.00152	-.00662	.00290
SDev	.00036	.097	.00011	.00000	.00032	.01252	.00005
%RSD	166.47	.25918	20.607	11.877	20.779	189.21	1.8165
#1	.00047	37.398	.00058	-.00001	.00174	-.01547	.00293
#2	-.00004	37.261	.00044	-.00001	.00130	.00224	.00286
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00134	-.00144	-.00005	19.158	-.00859	.00026
SDev	.00000	.00188	.00000	.00007	.205	.00048	.00039
%RSD	.34706	140.11	.11379	144.03	1.0695	5.6421	149.84
#1	-.00016	.00267	-.00144	.00000	19.303	-.00825	-.00002
#2	-.00016	.00001	-.00144	-.00010	19.013	-.00893	.00054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00100	.00117	.00636	-.00178	-.00066	.00096	-.00020
SDev	.00000	.00001	.00002	.00520	.00162	.00029	.00105
%RSD	.16772	.77291	.34003	293.01	246.45	30.063	512.93
#1	-.00100	.00117	.00635	-.00546	-.00181	.00076	-.00095
#2	-.00100	.00116	.00638	.00190	.00049	.00117	.00054
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
Avge	.00656	-.00440	.0342	.0101	.2422
SDev	.00227	.00178	.0001	.0000	.0006
%RSD	34.602	40.440	.1704	.1732	.2253
#1	.00496	-.00314	.0343	.0101	.2418
#2	.00817	-.00565	.0342	.0101	.2426
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6458	--	--	--	--	--	--
SDev	11.00262	--	--	--	--	--	--
%RSD	.1703820	--	--	--	--	--	--
#1	6450	--	--	--	--	--	--
#2	6465	--	--	--	--	--	--

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M thod: QTESTNAK Sample Name: DK59M Operator: KT
Time: 10/16/00 16:12:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00018	-.00022	-.00087	-.05365	-.00394	.00069	.00027
SDev	.00161	.00266	.00013	.00033	.00359	.00000	.00000
%RSD	909.23	1187.7	14.638	.61650	91.246	.38378	.10994
#1	.00131	.00166	-.00097	-.05342	-.00648	.00069	.00027
#2	-.00096	-.00211	-.00078	-.05389	-.00140	.00068	.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00008	37.274	.00043	.00102	.00146	-.00667	.00285
SDev	.00056	.161	.00019	.00000	.00025	.01246	.00006
%RSD	692.16	.43288	45.147	.03506	17.241	186.80	2.0729
#1	-.00032	37.389	.00029	.00102	.00128	.00214	.00290
#2	.00048	37.160	.00057	.00102	.00164	-.01548	.00281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00132	-.00000	.00016	19.033	-.00432	-.00000
SDev	.00000	.00187	.00203	.00022	.138	.00314	.00001
%RSD	.51545	141.57	100220.	141.35	.72594	72.785	131.91
#1	-.00016	.00265	-.00144	.00032	19.130	-.00210	-.00001
#2	-.00016	-.00000	.00144	.00000	18.935	-.00654	-.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00033	.00000	.01286	.00019	-.00300	-.00014	.00033
SDev	.00094	.00159	.00002	.00062	.00162	.00081	.00201
%RSD	283.28	35814.	.13089	332.10	53.997	577.65	599.63
#1	-.00100	-.00112	.01285	.00062	-.00414	.00043	.00175
#2	.00033	.00113	.01288	-.00025	-.00185	-.00071	-.00109
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
Avge	.00252	-.00160	.0331	.0101	.2406
SDev	.00377	.00587	.0015	.0001	.0023
%RSD	149.51	368.09	4.541	1.429	.9391
#1	-.00014	.00256	.0341	.0102	.2422
#2	.00519	-.00575	.0320	.0100	.2390
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6483	--	--	--	--	--	--
SDev	16.60285	--	--	--	--	--	--
%RSD	.2560912	--	--	--	--	--	--
#1	6471	--	--	--	--	--	--
#2	6495	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DK59M ~~.1X~~ .5X Operator: KT
Run Time: 10/16/00 16:20:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00070	-.00399	-.00077	-.01920	.00153	.00174	.00008
SDev	.00058	.00213	.00209	.00163	.00051	.00000	.00000
%RSD	82.948	53.220	270.77	8.5009	33.168	.13422	.48128
#1	.00111	L-.00550	.00071	-.01804	.00117	.00174	.00008
#2	.00029	-.00249	-.00225	-.02035	.00189	.00174	.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	75.304	.00024	-.00002	.00102	-.00442	.00155
SDev	.00026	.267	.00010	.00000	.00002	.00945	.00202
%RSD	294.56	.35444	41.016	9.1267	1.6305	214.08	130.89
#1	.00010	75.492	.00017	-.00002	.00103	.00227	.00298
#2	-.00027	75.115	.00031	-.00001	.00101	-.01110	.00012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	.00004	-.00096	-.00032	38.196	-.00298	.00053
SDev	.00000	.00000	.00069	.00030	.070	.00304	.00000
%RSD	.43047	10.804	71.152	94.810	.18213	101.87	.35215
#1	.00017	.00004	-.00048	-.00053	38.245	-.00083	.00052
#2	.00017	.00003	-.00145	-.00010	38.147	-.00513	.00053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00032	.00464	.00952	.00056	-.00344	-.00079	.00144
SDev	.00000	.00000	.00460	.00098	.00432	.00038	.00068
%RSD	.15029	.07918	48.330	174.75	125.45	48.550	46.997
#1	-.00032	.00465	.01278	.00125	-.00039	-.00052	.00192
#2	-.00032	.00464	.00627	-.00013	-.00649	-.00106	.00096
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
Avge	.00314	-.00756	.1309	.0205	1.005
SDev	.00525	.00056	.0013	.0000	.007
%RSD	167.17	7.4722	.9841	.1131	.6872
#1	-.00057	-.00796	.1300	.0205	1.010
#2	.00686	-.00716	.1318	.0205	1.000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6405	--	--	--	--	--	--
SDev	7.184315	--	--	--	--	--	--
%RSD	.1121610	--	--	--	--	--	--
#1	6400	--	--	--	--	--	--
#2	6410	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Time: 10/16/00 16:28:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48962	.49459	.48736	24.474	.48947	2.0094	2.0277
SDev	.00109	.00053	.00477	.007	.00932	.0011	.0027
%RSD	.22181	.10810	.97978	.02697	1.9042	.05699	.13548
#1	.48885	.49421	.48399	24.469	.49606	2.0086	2.0296
#2	.49038	.49497	.49074	24.478	.48288	2.0102	2.0257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49369	100.75	2.0229	1.9993	1.9575	25.314	100.84
SDev	.00122	.06	.0010	.0013	.0012	.039	.01
%RSD	.24745	.05504	.05009	.06633	.06154	.15601	.01449
#1	.49455	100.79	2.0222	2.0002	1.9583	25.342	100.85
#2	.49283	100.72	2.0237	1.9984	1.9566	25.286	100.83
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0254	1.9746	1.9983	.99834	49.758	.97186	2.0390
SDev	.0009	.0276	.0033	.00020	.078	.00429	.0003
%RSD	.04466	1.3969	.16378	.01993	.15597	.44182	.01401
#1	2.0247	1.9551	2.0007	.99848	49.813	.96882	2.0392
#2	2.0260	1.9941	1.9960	.99820	49.703	.97490	2.0388
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0220	2.0273	1.9177	.48541	.49128	.49058	.48914
SDev	.0029	.0007	.0008	.00846	.00261	.00061	.00132
%RSD	.14571	.03517	.04429	1.7429	.53043	.12542	.27007
#1	2.0241	2.0278	1.9171	.47942	.49313	.49014	.48820
#2	2.0199	2.0268	1.9183	.49139	.48944	.49101	.49007
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
Avge	.50002	.49188	1.979	2.066	1.852
SDev	.00356	.00258	.005	.000	.002
%RSD	.71218	.52441	.2646	.0140	.0825
#1	.50254	.49005	1.975	2.066	1.851
#2	.49750	.49370	1.982	2.066	1.853
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6335	--	--	--	--	--	--
SDev	2.828427	--	--	--	--	--	--
%RSD	.0446451	--	--	--	--	--	--
#1	6337	--	--	--	--	--	--
#2	6333	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCBT Operator: KT
n Time: 10/16/00 16:36:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00079	-.00163	.00041	-.06709	-.00052	-.00000	.00027
SDev	.00069	.00061	.00034	.00079	.00098	.00000	.00000
%RSD	86.880	37.521	81.823	1.1839	186.81	18.869	.17920
#1	-.00030	-.00120	.00017	-.06653	.00017	-.00000	.00027
#2	-.00127	-.00206	.00065	-.06766	-.00121	-.00000	.00027
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00037	.02226	.00042	.00000	.00116	-.00657	.00140
SDev	.00028	.00016	.00040	.00000	.00001	.01237	.00197
%RSD	74.937	.71601	96.229	40.078	1.1379	188.10	140.43
#1	.00018	.02238	.00070	.00000	.00117	.00217	.00001
#2	.00057	.02215	.00013	.00001	.00115	-.01532	.00280
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	.00261	-.00096	-.00031	.34621	-.00140	.00028
SDev	.00000	.00001	.00067	.00015	.05033	.00249	.00038
%RSD	.17113	.22216	70.546	47.036	14.536	178.19	135.76
#1	-.00017	.00261	-.00143	-.00021	.31062	-.00316	.00056
#2	-.00017	.00260	-.00048	-.00042	.38180	.00036	.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00000	-.00001	-.00311	.00166	-.00208	-.00182	-.00028
SDev	.00047	.00000	.00455	.00034	.00032	.00168	.00019
%RSD	14425.	34.967	146.23	20.777	15.564	92.426	68.692
#1	.00033	-.00001	-.00633	.00141	-.00231	-.00063	-.00014
#2	-.00034	-.00002	.00011	.00190	-.00185	-.00300	-.00041
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
Avge	-.00138	-.00175	.0020	<.0000	<.0000
SDev	.00515	.00349	.0000	.0000	.0001
%RSD	373.47	199.21	.0867	18.87	3.641
#1	-.00502	.00072	.0020	<.0000	<.0000
#2	.00226	-.00422	.0020	<.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6525	--	--	--	--	--	--
SDev	5.656854	--	--	--	--	--	--
%RSD	.0866919	--	--	--	--	--	--
#1	6521	--	--	--	--	--	--
#2	6529	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM60EB-0288128 Operator: KT
n Time: 10/16/00 16:42:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	-.00284	-.00170	-.04495	-.00247	.00000	.00027
SDev	.00033	.00183	.00313	.00079	.00050	.00000	.00000
%RSD	5563.6	64.448	183.58	1.7599	20.370	34.659	.29848
#1	.00024	-.00155	.00051	-.04439	-.00282	.00000	.00026
#2	-.00023	-.00414	-.00392	-.04551	-.00211	.00000	.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00059	.11616	.00050	.00051	.00126	.01318	.00288
SDev	.00045	.00022	.00010	.00072	.00001	.00929	.00397
%RSD	77.352	.18568	19.697	142.26	.88235	70.501	137.92
#1	.00091	.11632	.00043	-.00000	.00127	.00661	.00007
#2	.00027	.11601	.00057	.00102	.00125	.01975	.00568
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	.00264	.00048	-.00026	.35577	-.00156	-.00001
SDev	.00047	.00000	.00000	.00022	.02008	.00144	.00000
%RSD	280.77	.11945	.15513	84.929	5.6435	92.766	33.474
#1	.00050	.00265	.00048	-.00010	.34157	-.00258	-.00001
#2	-.00016	.00264	.00048	-.00042	.36997	-.00054	-.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00033	.01078	.00641	-.00130	-.00252	.00070	-.00034
SDev	.00095	.00079	.00913	.00387	.00164	.00073	.00086
%RSD	286.00	7.3195	142.51	298.58	65.207	104.12	252.48
#1	.00034	.01022	-.00005	.00144	-.00136	.00019	.00027
#2	-.00100	.01134	.01286	-.00403	-.00368	.00122	-.00095
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001521

nits			ppm	ppm	ppm
Avge	.00616	-.00734	.0010	.0002	.0095
SDev	.00150	.00349	.0014	.0000	.0011
%RSD	24.319	47.634	141.4	.1550	11.55
#1	.00510	-.00487	.0020	.0002	.0087
#2	.00722	-.00981	.0000	.0002	.0103
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6481	--	--	--	--	--	--
SDev	5.034683	--	--	--	--	--	--
%RSD	.0776857	--	--	--	--	--	--
#1	6477	--	--	--	--	--	--
#2	6484	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM60EC Operator: KT
Time: 10/16/00 16:48:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47170	1.8811	.47879	1.8864	1.8115	1.9446	.05079
SDev	.00052	.0181	.00381	.0018	.0067	.0035	.00005
%RSD	.11000	.96049	.79668	.09549	.36713	.17801	.09967
#1	.47134	1.8939	.47610	1.8877	1.8162	1.9422	.05075
#2	.47207	1.8684	.48149	1.8851	1.8068	1.9471	.05082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.6000	.40000	1.6000	1.6000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04888	49.918	.19927	.49778	.24014	.98665	48.888
SDev	.00036	.007	.00072	.00146	.00040	.00143	.078
%RSD	.74007	.01327	.36076	.29254	.16467	.14474	.15936
#1	.04862	49.913	.19978	.49675	.24042	.98564	48.832
#2	.04914	49.923	.19876	.49881	.23986	.98766	48.943
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	60.000	.24000	.60000	.30000	1.2000	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49629	.95985	.48504	.04765	47.697	1.9119	1.0240
SDev	.00091	.01381	.00134	.00007	.076	.0033	.0000
%RSD	.18358	1.4385	.27578	.15685	.15834	.17124	.00193
#1	.49564	.95009	.48410	.04771	47.643	1.9142	1.0239
#2	.49693	.96961	.48599	.04760	47.750	1.9095	1.0240
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49280	.49058	1.8834	.47876	.47886	.47179	.47166
SDev	.00070	.00087	.0345	.00503	.00138	.00289	.00222
%RSD	.14152	.17786	1.8330	1.0511	.28725	.61237	.47074
#1	.49231	.48996	1.8590	.47521	.47789	.47383	.47009
#2	.49330	.49119	1.9078	.48232	.47983	.46975	.47323
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000	2.4000				
Low	.40000	.40000	1.6000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8644	1.8895	.9323	.9635	8.195
SDev	.0066	.0238	.0029	.0024	.031
%RSD	.35371	1.2594	.3134	.2490	.3809
#1	1.8690	1.9063	.9302	.9618	8.173
#2	1.8597	1.8727	.9343	.9652	8.217
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass
High				1.200	12.00
Low				.8000	8.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6322	--	--	--	--	--	--
SDev	9.757936	--	--	--	--	--	--
%RSD	.1543523	--	--	--	--	--	--
#1	6315	--	--	--	--	--	--
#2	6329	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DL8JR Operator: KT
Run Time: 10/16/00 16:56:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00160	-.00007	.00142	.00086	.00104	.00035
SDev	.00155	.00013	.00110	.00225	.00127	.00001	.00013
%RSD	10680.	7.8984	1585.1	158.81	146.57	.61058	35.538
#1	-.00111	.00169	.00071	.00301	.00176	.00104	.00044
#2	.00108	.00151	-.00085	-.00017	-.00003	.00103	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00049	.21096	.00130	.00050	.00321	.18168	.02277
SDev	.00029	.00171	.00019	.00073	.00037	.00235	.00415
%RSD	58.959	.81105	14.415	144.00	11.474	1.2935	18.227
#1	.00028	.21217	.00117	.00102	.00347	.18002	.02571
#2	.00069	.20975	.00143	-.00001	.00295	.18334	.01984
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00150	.00269	.00049	.00000	.61732	-.00001	.00109
SDev	.00001	.00002	.00000	.00000	.05098	.00151	.00001
%RSD	.61054	.89599	.91163	48.806	8.2590	10500.	.46302
#1	.00151	.00271	.00049	.00000	.65337	.00105	.00109
#2	.00149	.00268	.00048	.00000	.58127	-.00108	.00109
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00033	.00798	.00633	.00045	-.00110	-.00002	-.00001
SDev	.00000	.00005	.00006	.00017	.00365	.00235	.00115
%RSD	.95254	.64972	.94064	38.972	331.27	10638.	10723.
#1	-.00033	.00801	.00629	.00032	.00148	-.00168	-.00082
#2	-.00034	.00794	.00637	.00057	-.00368	.00164	.00080
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00178	.00151	.0040	.0013	.0568
SDev	.00131	.00047	.0000	.0000	.0010
%RSD	73.520	30.764	.4592	.5160	1.766
#1	.00271	.00118	.0040	.0014	.0576
#2	.00086	.00184	.0040	.0013	.0561
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6443	--	--	--	--	--	--
SDev	29.58524	--	--	--	--	--	--
%RSD	.4591614	--	--	--	--	--	--
#1	6422	--	--	--	--	--	--
#2	6464	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL8JRP Operator: KT
Time: 10/16/00 17:04:46
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00151	L.00107	L-.01145	L-.27105	L-.03043	L.00087	L.00132
SDev	.00244	.00344	.01072	.02554	.00441	.00123	.00001
%RSD	161.78	321.23	93.598	9.4215	14.483	141.17	.56420
#1	L-.00022	L-.00136	L-.01903	L-.25300	L-.03354	L.00175	L.00132
#2	L.00323	L.00351	L-.00387	L-.28911	L-.02731	L.00000	L.00133
Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00221	L.35308	L.00434	L.00255	L.00964	L.16566	L.02168
SDev	.00164	.00762	.00311	.00362	.00196	.00081	.01043
%RSD	74.209	2.1577	71.606	141.73	20.337	.48965	48.112
#1	L.00338	L.35847	L.00653	L.00511	L.01103	L.16624	L.02905
#2	L.00105	L.34769	L.00214	L-.00001	L.00825	L.16509	L.01430
Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00168	L.01332	L-.00481	L-.00078	2.2474	L-.02463	L-.00006
SDev	.00120	.00017	.00342	.00186	.0362	.02054	.00007
%RSD	71.564	1.3036	71.047	238.21	1.6102	83.409	117.33
#1	L.00253	L.01344	L-.00723	L.00053	2.2218	L-.03916	L-.00011
#2	L.00083	L.01320	L-.00240	L-.00209	2.2730	L-.01010	L-.00001
Errors	LC Low	LC Low	LC Low	LC Low	NOCHECK	LC Low	LC Low
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	L-.00331	L.02284	L.04794	-.01380	-.00675	-.00694	.00572
SDev	.00238	.00028	.02320	.01613	.00013	.00074	.00329
%RSD	71.833	1.2213	48.388	116.93	1.9406	10.681	57.425
#1	L-.00163	L.02304	L.03154	-.02521	-.00666	-.00746	.00340
#2	L-.00500	L.02264	L.06434	-.00239	-.00684	-.00641	.00805
Errors	LC Low	LC Low	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.02248	-.00961	L.0000	L.0013	L.0634
SDev	.01735	.01382	.0000	.0006	.0181
%RSD	77.186	143.80	.0000	47.98	28.46
#1	.03474	-.01939	L.0000	L.0017	L.0762
#2	.01021	.00016	L.0000	L.0008	L.0507
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6459	--	--	--	--	--	--
SDev	42.36978	--	--	--	--	--	--
%RSD	.6559359	--	--	--	--	--	--
#1	6429	--	--	--	--	--	--
#2	6489	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DL8JRS Operator: KT
n Time: 10/16/00 17:10:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45866	1.8294	.46669	1.8759	1.7628	1.9020	.04926
SDev	.00169	.0098	.00219	.0064	.0035	.0032	.00013
%RSD	.36740	.53613	.46940	.34193	.20032	.16864	.27259
#1	.45985	1.8364	.46514	1.8804	1.7653	1.9043	.04936
#2	.45747	1.8225	.46823	1.8714	1.7603	1.8998	.04917
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04732	48.977	.19417	.48456	.23591	1.1192	47.976
SDev	.00027	.017	.00039	.00133	.00038	.0001	.046
%RSD	.57241	.03525	.20298	.27433	.16331	.00916	.09609
#1	.04751	48.965	.19389	.48550	.23618	1.1192	48.008
#2	.04713	48.989	.19445	.48362	.23564	1.1193	47.943
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48605	.93527	.47368	.04656	46.887	1.8766	1.0057
SDev	.00013	.00319	.00130	.00028	.034	.0008	.0001
%RSD	.02628	.34133	.27385	.60274	.07231	.04225	.00596
#1	.48614	.93301	.47459	.04676	46.863	1.8760	1.0057
#2	.48596	.93753	.47276	.04636	46.911	1.8771	1.0058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48105	.48153	1.8512	.46627	.46752	.46216	.45691
SDev	.00014	.00050	.0144	.00273	.00111	.00355	.00075
%RSD	.02924	.10451	.77792	.58582	.23682	.76880	.16470
#1	.48095	.48188	1.8614	.46434	.46674	.46467	.45745
#2	.48115	.48117	1.8410	.46820	.46830	.45965	.45638
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

ıits			ppm	ppm	ppm
Avge	1.8129	1.8377	.9071	.9475	8.052
SDev	.0193	.0051	.0019	.0009	.012
%RSD	1.0619	.27719	.2091	.0934	.1453
#1	1.8265	1.8413	.9058	.9482	8.044
#2	1.7993	1.8341	.9085	.9469	8.060
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6296	--	--	--	--	--	--
SDev	17.22537	--	--	--	--	--	--
%RSD	.2735775	--	--	--	--	--	--
#1	6284	--	--	--	--	--	--
#2	6309	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DL8JRD Operator: KT
n Time: 10/16/00 17:18:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45375	1.8225	.46284	1.8648	1.7622	1.8955	.04920
SDev	.00051	.0005	.00047	.0031	.0027	.0048	.00004
%RSD	.11339	.02807	.10193	.16499	.15543	.25299	.08957
#1	.45338	1.8228	.46318	1.8670	1.7603	1.8989	.04917
#2	.45411	1.8221	.46251	1.8627	1.7642	1.8921	.04924
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04770	49.304	.19378	.48263	.23569	1.1428	47.541
SDev	.00032	.054	.00008	.00087	.00079	.0204	.066
%RSD	.67888	.10920	.03946	.18052	.33633	1.7852	.13925
#1	.04748	49.266	.19373	.48201	.23625	1.1283	47.588
#2	.04793	49.342	.19384	.48325	.23513	1.1572	47.494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48437	.93627	.47042	.04668	46.730	1.8832	.99773
SDev	.00029	.00359	.00136	.00067	.028	.0015	.00034
%RSD	.05993	.38335	.28933	1.4241	.06055	.08175	.03407
#1	.48417	.93373	.47138	.04715	46.710	1.8843	.99797
#2	.48458	.93881	.46945	.04621	46.750	1.8821	.99749
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48020	.50500	1.8125	.46063	.46728	.45559	.45283
SDev	.00033	.00025	.0157	.00020	.00101	.00278	.00216
%RSD	.06894	.04932	.86502	.04439	.21557	.61077	.47713
#1	.47997	.50482	1.8014	.46078	.46799	.45756	.45130
#2	.48044	.50518	1.8236	.46049	.46657	.45362	.45435
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8055	1.8309	.9022	.9403	7.967
SDev	.0009	.0003	.0010	.0019	.010
%RSD	.04997	.01728	.1134	.2038	.1267
#1	1.8061	1.8312	.9029	.9416	7.960
#2	1.8049	1.8307	.9015	.9389	7.974
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6281	--	--	--	--	--	--
SDev	27.49223	--	--	--	--	--	--
%RSD	.4377381	--	--	--	--	--	--
#1	6261	--	--	--	--	--	--
#2	6300	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DKMJK Operator: KT
Time: 10/16/00 17:26:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01569	-.00173	.00037	2.7741	-.00186	.01630	.00025
SDev	.00034	.00055	.00085	.0033	.00833	.00003	.00000
%RSD	2.1637	31.678	229.42	.11719	447.60	.21312	.22772
#1	.01545	-.00134	-.00023	2.7764	-.00775	.01633	.00025
#2	.01593	-.00211	.00097	2.7718	.00403	.01628	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	3.9479	.04209	.00874	.03307	9.4383	4.6889
SDev	.00035	.0080	.00060	.00002	.00039	.0118	.0164
%RSD	4327.5	.20211	1.4216	.22069	1.1801	.12496	.35054
#1	-.00024	3.9423	.04251	.00876	.03334	9.4300	4.6773
#2	.00026	3.9536	.04167	.00873	.03279	9.4467	4.7005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11687	.01698	.48329	.00009	14.529	.00123	.16089
SDev	.00023	.00373	.00379	.00000	.020	.00499	.00046
%RSD	.19499	21.981	.78497	.60596	.14027	405.71	.28363
#1	.11671	.01434	.48061	.00009	14.544	.00476	.16057
#2	.11703	.01962	.48597	.00009	14.515	-.00230	.16122
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.01279	.18927	.01245	.00063	-.00015	.01411	.01648
SDev	.00003	.00042	.00001	.00193	.00131	.00143	.00122
%RSD	.22159	.22425	.10612	306.27	886.72	10.108	7.4082
#1	.01281	.18957	.01244	-.00074	.00078	.01512	.01562
#2	.01277	.18897	.01246	.00200	-.00107	.01310	.01735
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00160	-.00339	.0122	.0224	4.558
SDev	.00901	.00532	.0000	.0001	.015
%RSD	563.34	156.96	.2087	.2103	.3295
#1	-.00477	.00037	.0122	.0224	4.547
#2	.00797	-.00715	.0121	.0223	4.568
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6409	--	--	--	--	--	--
SDev	13.37841	--	--	--	--	--	--
%RSD	.2087447	--	--	--	--	--	--
#1	6400	--	--	--	--	--	--
#2	6418	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DKMJL Operator: KT
n Time: 10/16/00 17:34:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00105	-.00334	.00027	5.3838	.00424	.03046	.00044
SDev	.00141	.00317	.00154	.0032	.00371	.00008	.00000
%RSD	133.44	95.003	559.02	.06005	87.359	.25871	.00324
#1	.00006	L-.00558	-.00081	5.3815	.00162	.03051	.00044
#2	.00205	-.00110	.00136	5.3860	.00686	.03040	.00044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00040	1.9762	.17074	.02233	.04182	19.511	1.9300
SDev	.00032	.0111	.00014	.00069	.00014	.016	.0009
%RSD	80.787	.55935	.08105	3.0898	.33266	.08218	.04914
#1	.00063	1.9683	.17084	.02184	.04192	19.499	1.9307
#2	.00017	1.9840	.17065	.02282	.04172	19.522	1.9293
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.57036	.02861	1.2835	-.00022	7.3179	-.00556	.19414
SDev	.00043	.00007	.0008	.00007	.0851	.00244	.00717
%RSD	.07483	.25610	.06414	33.805	1.1629	43.790	3.6934
#1	.57006	.02866	1.2829	-.00017	7.3781	-.00384	.19921
#2	.57067	.02856	1.2841	-.00027	7.2577	-.00729	.18907
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.01043	.01514	.00564	.00112	-.00141	.00018	.00149
SDev	.00003	.00089	.00003	.00049	.00363	.00175	.00124
%RSD	.24702	5.8519	.62189	44.086	257.21	987.81	82.965
#1	.01044	.01577	.00562	.00077	-.00398	-.00106	.00062
#2	.01041	.01452	.00567	.00146	.00116	.00141	.00237
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00163	-.00582	.0071	.0209	3.980
SDev	.00604	.00174	.0014	.0001	.007
%RSD	369.41	29.898	19.95	.3146	.1702
#1	-.00263	-.00705	.0061	.0208	3.975
#2	.00590	-.00459	.0081	.0209	3.985
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6423	--	--	--	--	--	--
SDev	16.43298	--	--	--	--	--	--
%RSD	.2558419	--	--	--	--	--	--
#1	6411	--	--	--	--	--	--
#2	6435	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DKMJM Operator: KT
Time: 10/16/00 17:42:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00264	.00175	.00028	5.0071	.00281	.02842	.00062
SDev	.00085	.00165	.00068	.0082	.00023	.00017	.00000
%RSD	32.307	94.524	245.23	.16315	8.0549	.58596	.21757
#1	.00203	.00291	.00076	5.0128	.00265	.02854	.00062
#2	.00324	.00058	-.00020	5.0013	.00297	.02830	.00062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	3.8629	.00612	.00188	.01439	3.6838	2.6051
SDev	.00046	.0098	.00045	.00146	.00016	.0100	.0091
%RSD	66.601	.25345	7.3818	77.561	1.1145	.27202	.34906
#1	.00102	3.8559	.00644	.00085	.01450	3.6767	2.6115
#2	.00037	3.8698	.00580	.00291	.01428	3.6908	2.5987
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05764	.00041	.03201	-.00016	10.361	-.00367	.05812
SDev	.00014	.00001	.00087	.00007	.054	.00087	.00007
%RSD	.23578	3.5553	2.7299	45.774	.52445	23.577	.12006
#1	.05754	.00042	.03263	-.00022	10.400	-.00429	.05807
#2	.05774	.00040	.03139	-.00011	10.323	-.00306	.05817
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00458	.17526	.00936	.00055	-.00027	.00080	.00355
SDev	.00044	.00023	.00455	.00015	.00235	.00107	.00181
%RSD	9.6830	.12929	48.636	27.992	879.80	133.30	50.949
#1	.00427	.17542	.01258	.00044	.00139	.00156	.00227
#2	.00490	.17510	.00614	.00066	-.00193	.00005	.00483
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00538	-.00007	.0101	.0284	8.539
SDev	.00353	.00071	.0028	.0001	.002
%RSD	65.583	1068.9	27.73	.1603	.0247
#1	.00787	.00044	.0081	.0284	8.538
#2	.00288	-.00057	.0121	.0283	8.541
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6414	--	--	--	--	--	--
SDev	37.13726	--	--	--	--	--	--
%RSD	.5789941	--	--	--	--	--	--
#1	6388	--	--	--	--	--	--
#2	6440	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DKMJN Operator: KT
n Time: 10/16/00 17:58:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00335	.00250	.00074	1.8070	.00221	.00835	.00044
SDev	.00016	.00330	.00299	.0045	.00300	.00002	.00000
%RSD	4.7011	131.85	404.90	.24897	135.60	.27373	.05189
#1	.00346	.00017	.00285	1.8102	.00434	.00837	.00044
#2	.00324	.00483	-.00138	1.8039	.00009	.00834	.00044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00055	.93047	.00627	.00085	.01094	3.0592	1.3125
SDev	.00019	.01374	.00008	.00000	.00036	.0017	.0026
%RSD	34.851	1.4765	1.2878	.06232	3.2776	.05692	.19941
#1	.00042	.92076	.00621	.00085	.01119	3.0604	1.3107
#2	.00069	.94019	.00632	.00085	.01069	3.0580	1.3144
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01963	.00169	.06328	.00005	7.6654	-.00508	.05582
SDev	.00005	.00188	.00086	.00038	.1013	.00047	.00014
%RSD	.26959	111.44	1.3527	702.32	1.3214	9.2267	.25265
#1	.01967	.00036	.06389	.00032	7.7370	-.00475	.05592
#2	.01959	.00302	.06268	-.00021	7.5937	-.00541	.05572
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00463	.01655	.00284	.00169	-.00116	.00208	.00398
SDev	.00047	.00005	.00458	.00432	.00033	.00149	.00098
%RSD	10.055	.30524	161.59	255.96	28.483	71.589	24.588
#1	.00430	.01659	.00608	.00474	-.00093	.00103	.00467
#2	.00496	.01652	-.00040	-.00137	-.00139	.00313	.00329
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

'nits			ppm	ppm	ppm
Avge	.00730	.00011	.0051	.0113	2.148
SDev	.00531	.00230	.0014	.0001	.005
%RSD	72.725	2153.2	28.54	1.330	.2109
#1	.00355	-.00152	.0061	.0114	2.144
#2	.01105	.00173	.0041	.0112	2.151
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6389	--	--	--	--	--	--
SDev	16.80104	--	--	--	--	--	--
%RSD	.2629616	--	--	--	--	--	--
#1	6377	--	--	--	--	--	--
#2	6401	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/16/00 18:06:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48103	.48669	.48149	24.270	.46791	1.9782	1.9903
SDev	.00154	.00176	.00206	.065	.00057	.0013	.0013
%RSD	.32004	.36093	.42891	.26840	.12280	.06624	.06640
#1	.47995	.48544	.48003	24.316	.46751	1.9773	1.9912
#2	.48212	.48793	.48296	24.224	.46832	1.9792	1.9894
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48293	98.719	1.9846	1.9590	1.9376	24.815	99.463
SDev	.00024	.038	.0020	.0014	.0077	.020	.012
%RSD	.04961	.03888	.09947	.07316	.39827	.08250	.01217
#1	.48276	98.746	1.9832	1.9600	1.9431	24.800	99.455
#2	.48310	98.692	1.9860	1.9580	1.9322	24.829	99.472
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9886	1.9337	1.9567	.98993	49.456	.95356	2.0195
SDev	.0005	.0217	.0007	.00141	.081	.00303	.0003
%RSD	.02411	1.1223	.03722	.14272	.16440	.31830	.01324
#1	1.9883	1.9184	1.9573	.99093	49.514	.95141	2.0197
#2	1.9890	1.9491	1.9562	.98893	49.399	.95570	2.0194
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9895	1.9900	1.8796	.48088	.48273	.48072	.48119
SDev	.0029	.0002	.0128	.00286	.00047	.00135	.00163
%RSD	.14613	.00984	.67953	.59481	.09789	.28152	.33925
#1	1.9916	1.9898	1.8705	.47885	.48240	.47977	.48004
#2	1.9875	1.9901	1.8886	.48290	.48307	.48168	.48234
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
Avge	.48572	.48717	1.933	2.043	1.878
SDev	.00119	.00204	.003	.002	.009
%RSD	.24497	.41864	.1542	.0767	.4618
#1	.48487	.48573	1.931	2.042	1.872
#2	.48656	.48861	1.936	2.045	1.884
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6275	--	--	--	--	--	--
SDev	4.582038	--	--	--	--	--	--
%RSD	.0730256	--	--	--	--	--	--
#1	6271	--	--	--	--	--	--
#2	6278	--	--	--	--	--	--

Analysis Report QC Standard 10/16/00 06:20:10 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/16/00 18:14:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00081	.00081	-.00005	-.07800	.00333	.00000	.00035
SDev	.00026	.00070	.00008	.00209	.00677	.00000	.00013
%RSD	32.193	85.706	183.54	2.6856	203.67	10.063	35.724
#1	-.00063	.00032	.00001	-.07948	.00812	.00000	.00026
#2	-.00100	.00131	-.00010	-.07651	-.00146	.00000	.00044
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00063	.02466	.00037	.00051	.00114	-.00002	.00295
SDev	.00026	.00016	.00051	.00073	.00030	.00319	.00001
%RSD	40.248	.63411	135.40	143.97	26.560	13099.	.40326
#1	.00045	.02477	.00073	.00102	.00136	-.00228	.00296
#2	.00082	.02455	.00002	-.00001	.00093	.00223	.00294
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00268	-.00096	-.00016	.29137	-.00031	.00054
SDev	.00000	.00000	.00068	.00022	.09376	.00374	.00000
%RSD	.17218	.15453	71.003	142.30	32.179	1215.9	.28110
#1	-.00016	.00268	-.00145	.00000	.22507	.00234	.00053
#2	-.00016	.00267	-.00048	-.00032	.35767	-.00295	.00054
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00033	.00003	-.00016	.00153	-.00320	-.00202	-.00021
SDev	.00000	.00000	.00002	.00078	.00132	.00290	.00106
%RSD	.20184	14.721	10.336	51.158	41.220	143.29	513.00
#1	-.00033	.00003	-.00017	.00208	-.00414	.00003	-.00095
#2	-.00033	.00003	-.00015	.00098	-.00227	-.00408	.00054
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

ıits			ppm	ppm	ppm
ıvge	.00700	-.00228	.0000	.0000	<.0000
SDev	.00447	.00119	.0000	.0000	.0014
%RSD	63.822	52.105	.0000	10.06	165.9
#1	.00384	-.00144	.0000	.0000	.0001
#2	.01016	-.00312	.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6441	--	--	--	--	--	--
SDev	5.402392	--	--	--	--	--	--
%RSD	.0838717	--	--	--	--	--	--
#1	6437	--	--	--	--	--	--
#2	6445	--	--	--	--	--	--

Analysis Report 10/16/00 06:26:05 PM

Method: QTESTNAK Sample Name: DKMJP Operator: KT
Run Time: 10/16/00 18:20:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00846	.00244	-.00060	3.0142	-.00004	.05705	.00053
SDev	.00184	.00011	.00166	.0337	.00117	.00027	.00013
%RSD	21.762	4.4821	277.77	1.1193	2902.4	.47102	24.286
#1	.00976	.00251	-.00177	3.0381	-.00087	.05724	.00062
#2	.00716	.00236	.00058	2.9903	.00079	.05686	.00044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00055	13.604	.00884	.00411	.00562	9.6024	46.298
SDev	.00008	.074	.00021	.00072	.00017	.0610	.031
%RSD	14.839	.54164	2.3685	17.468	3.0309	.63476	.06708
#1	.00061	13.656	.00869	.00360	.00574	9.6455	46.320
#2	.00049	13.552	.00899	.00462	.00550	9.5593	46.276
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45829	.00237	.01710	-.00005	6.5429	-.00172	.20275
SDev	.00032	.00194	.00154	.00030	.0535	.00413	.00576
%RSD	.06869	81.786	8.9969	672.11	.81739	239.80	2.8419
#1	.45851	.00374	.01819	.00017	6.5807	.00120	.20683
#2	.45806	.00100	.01601	-.00026	6.5051	-.00465	.19868
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00842	.01513	.00257	-.00085	-.00010	.00750	.00894
SDev	.00056	.00098	.00449	.00352	.00206	.00164	.00194
%RSD	6.6980	6.4877	174.64	415.78	2067.5	21.917	21.697
#1	.00881	.01582	.00574	-.00334	.00136	.00866	.01031
#2	.00802	.01443	-.00060	.00164	-.00156	.00634	.00757
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00821	-.00045	.0092	.0826	12.21
SDev	.00347	.00157	.0014	.0001	.02
%RSD	42.279	351.45	14.83	.1702	.1671
#1	.01067	-.00156	.0082	.0827	12.22
#2	.00576	.00066	.0101	.0825	12.19
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6371	--	--	--	--	--	--
SDev	57.21903	--	--	--	--	--	--
%RSD	.8980633	--	--	--	--	--	--
#1	6331	--	--	--	--	--	--
#2	6412	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DKMJR Operator: KT
n Time: 10/16/00 18:28:16
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00064	.00209	-.00137	-.03555	-.00080	.00799	.00044
SDev	.00026	.00098	.00074	.00316	.00021	.00002	.00000
%RSD	40.863	46.996	53.989	8.8876	26.622	.18201	.00008
#1	.00083	.00279	-.00189	-.03332	-.00096	.00800	.00044
#2	.00046	.00140	-.00085	-.03779	-.00065	.00798	.00044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00039	3.3076	.00096	.00101	.00312	.49294	12.236
SDev	.00007	.0061	.00010	.00000	.00003	.01348	.021
%RSD	19.156	.18319	10.105	.06147	.94351	2.7351	.17138
#1	.00033	3.3118	.00089	.00101	.00314	.50247	12.221
#2	.00044	3.3033	.00103	.00101	.00310	.48340	12.250
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04152	.00009	.01847	-.00022	3.6614	-.00459	.00192
SDev	.00016	.00001	.00072	.00000	.0023	.00257	.00040
%RSD	.39353	6.8016	3.8992	.07989	.06373	55.977	20.574
#1	.04141	.00009	.01898	-.00022	3.6597	-.00640	.00164
#2	.04164	.00008	.01796	-.00021	3.6630	-.00277	.00220
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00102	.00391	.00298	-.00150	-.00110	-.00333	.00262
SDev	.00000	.00080	.00459	.00061	.00099	.00290	.00184
%RSD	.00678	20.564	154.18	40.931	89.595	87.130	70.161
#1	-.00102	.00334	.00622	-.00194	-.00180	-.00538	.00393
#2	-.00102	.00448	-.00027	-.00107	-.00040	-.00128	.00132
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00574	.00027	.0061	.0238	3.801
SDev	.00304	.00299	.0000	.0001	.011
%RSD	52.881	1122.1	.1745	.3275	.2765
#1	.00360	.00238	.0061	.0238	3.794
#2	.00789	-.00185	.0061	.0239	3.809
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6401	--	--	--	--	--	--
SDev	11.17249	--	--	--	--	--	--
%RSD	.1745391	--	--	--	--	--	--
#1	6393	--	--	--	--	--	--
#2	6409	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKMJV Operator: KT
F Time: 10/16/00 18:36:18
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02645	-.00053	-.00076	.45920	-.00030	.01630	.00035
SDev	.00011	.00132	.00031	.00152	.00281	.00002	.00013
%RSD	.43204	248.80	41.322	.33192	931.03	.10765	36.082
#1	.02637	.00040	-.00098	.45812	-.00229	.01631	.00044
#2	.02653	-.00147	-.00054	.46028	.00169	.01629	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00046	7.0245	.00173	.00145	.01401	4.3758	6.3186
SDev	.00006	.0076	.00041	.00073	.00003	.0046	.0034
%RSD	13.107	.10787	23.698	50.365	.20369	.10399	.05324
#1	.00041	7.0299	.00202	.00197	.01403	4.3790	6.3162
#2	.00050	7.0191	.00144	.00094	.01399	4.3725	6.3210
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17815	.00181	.00583	-.00012	6.5085	.00014	.01945
SDev	.00052	.00189	.00068	.00015	.0827	.00038	.00002
%RSD	.29225	104.39	11.660	121.01	1.2711	264.80	.09306
#1	.17779	.00315	.00535	-.00002	6.5670	-.00013	.01947
#2	.17852	.00047	.00631	-.00023	6.4500	.00042	.01944
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00223	.01242	-.00364	.00026	-.00281	.02551	.02692
SDev	.00000	.00083	.00463	.00114	.00134	.00137	.00051
%RSD	.19755	6.6810	127.42	441.54	47.825	5.3797	1.9086
#1	.00224	.01301	-.00691	-.00055	-.00186	.02454	.02728
#2	.00223	.01184	-.00036	.00107	-.00375	.02648	.02656
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00106	-.00027	.0081	.0517	3.151
SDev	.00079	.00237	.0000	.0002	.003
%RSD	74.045	889.78	.1054	.3579	.0864
#1	-.00162	.00141	.0081	.0515	3.149
#2	-.00051	-.00195	.0081	.0518	3.152
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6412	--	--	--	--	--	--
SDev	6.759982	--	--	--	--	--	--
%RSD	.1054326	--	--	--	--	--	--
#1	6407	--	--	--	--	--	--
#2	6416	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DKQ2A Operator: KT
'n Time: 10/16/00 18:44:20
ɔmment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02992	.00105	-.00064	27.094	.00837	.17311	.00239
SDev	.00084	.00169	.00201	.061	.00220	.00036	.00000
%RSD	2.8134	161.39	316.56	.22638	26.303	.20727	.17671
#1	.03051	-.00015	-.00206	27.051	.00681	.17285	.00240
#2	.02932	.00225	.00079	27.138	.00992	.17336	.00239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00102	10.986	.04673	.02068	.03631	31.351	37.582
SDev	.00005	.025	.00041	.00005	.00019	.042	.111
%RSD	4.9491	.23155	.87950	.21708	.51998	.13448	.29432
#1	.00106	10.968	.04702	.02071	.03618	31.322	37.504
#2	.00099	11.004	.04644	.02065	.03645	31.381	37.660
,rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.67045	.01919	.45530	-.00044	16.301	-.00350	.28598
SDev	.00280	.00004	.00450	.00022	.030	.00367	.00062
%RSD	.41719	.18873	.98765	50.565	.18616	104.94	.21529
#1	.66847	.01921	.45212	-.00029	16.279	-.00610	.28642
#2	.67242	.01916	.45848	-.00060	16.322	-.00090	.28555
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.03027	.27153	.00171	-.00076	-.00038	.02863	.03056
SDev	.00007	.00098	.00458	.00253	.00098	.00108	.00180
%RSD	.23470	.36208	267.61	330.32	260.63	3.7658	5.8908
#1	.03032	.27084	.00494	-.00255	-.00107	.02787	.03183
#2	.03022	.27223	-.00153	.00102	.00032	.02939	.02929
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01138	-.00411	.0223	.1032	47.75
SDev	.00155	.00177	.0001	.0004	.16
%RSD	13.593	42.989	.2170	.3627	.3391
#1	.01029	-.00536	.0223	.1029	47.64
#2	.01248	-.00286	.0223	.1035	47.87
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6414	--	--	--	--	--	--
SDev	13.91599	--	--	--	--	--	--
%RSD	.2169762	--	--	--	--	--	--
#1	6404	--	--	--	--	--	--
#2	6423	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKQ2C Operator: KT
Run Time: 10/16/00 18:52:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06731	.00394	-.00128	55.729	.01763	.34725	.00518
SDev	.00187	.00465	.00342	.293	.00338	.00198	.00001
%RSD	2.7767	118.09	268.13	.52601	19.165	.56963	.13863
#1	.06599	.00722	-.00370	55.522	.01524	.34585	.00518
#2	.06863	.00065	.00114	55.937	.02001	.34865	.00519
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00093	13.810	.10544	.03701	.06387	58.569	56.289
SDev	.00012	.054	.00046	.00005	.00012	.215	.364
%RSD	13.323	.38966	.43575	.13021	.19069	.36641	.64736
#1	.00085	13.772	.10511	.03697	.06379	58.417	56.031
#2	.00102	13.848	.10576	.03704	.06396	58.721	56.546
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0606	.02433	.85681	-.00132	20.119	.00099	.47707
SDev	.0063	.00005	.00468	.00022	.081	.00498	.00266
%RSD	.59138	.22015	.54662	16.959	.40226	503.06	.55789
#1	1.0562	.02429	.85350	-.00116	20.061	.00451	.47519
#2	1.0651	.02437	.86012	-.00148	20.176	-.00253	.47895
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.05758	.47622	.02002	-.00132	-.00120	.06395	.06899
SDev	.00008	.00310	.00454	.00268	.00491	.00251	.00155
%RSD	.14509	.65003	22.694	203.51	410.75	3.9214	2.2469
#1	.05752	.47403	.01681	-.00321	-.00467	.06217	.06789
#2	.05763	.47841	.02323	.00058	.00228	.06572	.07009
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00850	.00166	.0360	.1432	H73.90
SDev	.00371	.00512	.0001	.0008	.55
%RSD	43.711	308.05	.1515	.5645	.7460
#1	.01112	.00528	.0360	.1426	H73.51
#2	.00587	-.00196	.0360	.1437	H74.29
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6497	--	--	--	--	--	--
SDev	9.842871	--	--	--	--	--	--
%RSD	.1515015	--	--	--	--	--	--
#1	6504	--	--	--	--	--	--
#2	6490	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLXN6 Operator: KT
Run Time: 10/16/00 19:00:23
nment:
Mode: CONC Corr. Factor: 1

Ref

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00512	-.00221	-.00013	1.0212	.03458	.58808	.00070
SDev	.00102	.00144	.00159	.0081	.00696	.00114	.00000
%RSD	19.825	64.997	1225.8	.79477	20.122	.19452	.23711
#1	.00441	-.00323	-.00125	1.0269	.02966	.58727	.00070
#2	.00584	-.00119	.00099	1.0154	.03951	.58888	.00070
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	482.62	.01166	.00237	.24103	3.6756	47.309
SDev	.00031	.63	.00126	.00001	.00065	.0035	.139
%RSD	44.574	.13001	10.782	.42837	.27132	.09434	.29430
#1	.00047	482.18	.01255	.00238	.24149	3.6780	47.211
#2	.00091	483.07	.01077	.00236	.24057	3.6731	47.408
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.33107	.04998	.34094	.00017	3697.2	-.00471	.01876
SDev	.00113	.00304	.00097	.00044	9.0	.00407	.00047
%RSD	.34000	6.0928	.28357	261.99	.24329	86.550	2.5249
#1	.33028	.05213	.34026	.00048	3703.6	-.00759	.01842
#2	.33187	.04782	.34162	-.00014	3690.9	-.00183	.01909
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00577	.18322	.01444	-.00042	.00045	.00723	.00407
SDev	.00004	.00241	.00672	.00168	.00139	.00137	.00221
%RSD	.73687	1.3154	46.522	401.27	307.84	18.977	54.254
#1	.00580	.18151	.00969	-.00161	-.00053	.00821	.00251
#2	.00574	.18492	.01919	.00077	.00144	.00626	.00563
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01698	-.01179	.1515	2.798	10.28
SDev	.00445	.00006	.0012	.004	.01
%RSD	26.188	.54908	.7815	.1321	.1143
#1	.01383	-.01175	.1507	2.795	10.27
#2	.02012	-.01184	.1523	2.801	10.29
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4418	--	--	--	--	--	--
SDev	26.13464	--	--	--	--	--	--
%RSD	.5916026	--	--	--	--	--	--
#1	4399	--	--	--	--	--	--
#2	4436	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLXQP Operator: KT
Run Time: 10/16/00 19:10:30
mment:
ode: CONC Corr. Factor: 1

Rob

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00382	L-.00542	.00189	.54378	.01682	1.2065	.00095
SDev	.00037	.00516	.00082	.00753	.00139	.0016	.00000
%RSD	9.5914	95.088	43.353	1.3855	8.2572	.12956	.13369
#1	.00407	L-.00907	.00248	.54910	.01584	1.2054	.00095
#2	.00356	-.00178	.00131	.53845	.01781	1.2076	.00095
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00104	H906.81	.00831	.00166	.10844	2.9582	94.811
SDev	.00032	.73	.00061	.00104	.00041	.0276	.198
%RSD	30.655	.08065	7.3347	62.656	.37405	.93381	.20913
#1	.00127	H907.32	.00874	.00240	.10873	2.9777	94.671
#2	.00081	H906.29	.00788	.00093	.10815	2.9387	94.951
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43388	.01281	.22961	.00022	3277.5	.00491	.00813
SDev	.00124	.00005	.00313	.00032	2.1	.00568	.00058
%RSD	.28649	.41431	1.3645	142.47	.06544	115.69	7.1200
#1	.43300	.01285	.22739	.00045	3279.1	.00089	.00854
#2	.43476	.01277	.23183	-.00000	3276.0	.00893	.00772
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00131	.13919	.01922	.00445	-.00321	.00592	.00276
SDev	.00068	.00066	.00000	.00136	.00519	.00053	.00029
%RSD	52.153	.47715	.00528	30.540	161.30	8.8782	10.354
#1	.00180	.13872	.01922	.00349	.00045	.00629	.00297
#2	.00083	.13966	.01922	.00541	-.00688	.00555	.00256
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00994	-.01310	.1425	H5.844	12.19
SDev	.00221	.00663	.0016	.005	.03
%RSD	22.202	50.621	1.096	.0914	.2390
#1	.00838	-.01778	.1414	H5.840	12.17
#2	.01151	-.00841	.1436	H5.847	12.21
Errors	NOCHECK	NOCHECK	LC Pass	LC High	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4514	--	--	--	--	--	--
SDev	14.99046	--	--	--	--	--	--
%RSD	.3320763	--	--	--	--	--	--
#1	4504	--	--	--	--	--	--
#2	4525	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM242 Operator: KT
Run Time: 10/16/00 19:16:24
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.3114	.03263	.08953	23.113	.19493	.90788	.00151
SDev	.0022	.00020	.00220	.035	.00118	.00276	.00015
%RSD	.16755	.60295	2.4544	.15360	.60546	.30369	9.6390
#1	1.3098	.03277	.08798	23.138	.19410	.90593	.00161
#2	1.3129	.03249	.09109	23.088	.19577	.90983	.00140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.55919	227.27	.76066	.04122	3.6236	23.891	40.370
SDev	.00204	.42	.00318	.00076	.0107	.041	.135
%RSD	.36518	.18338	.41821	1.8540	.29631	.17334	.33368
#1	.55774	226.98	.75841	.04068	3.6312	23.862	40.275
#2	.56063	227.57	.76291	.04176	3.6160	23.921	40.465
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93677	.43972	.23201	.00798	1439.4	-.00189	.98337
SDev	.00363	.00359	.00191	.00044	.8	.00554	.00107
%RSD	.38773	.81590	.82287	5.4705	.05493	292.99	.10860
#1	.93420	.43719	.23336	.00829	1440.0	-.00581	.98413
#2	.93934	.44226	.23066	.00768	1438.8	.00203	.98262
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.10653	H10.658	.04014	.09138	.08584	1.3149	1.3096
SDev	.00037	.045	.00003	.00093	.00475	.0056	.0061
%RSD	.35083	.41774	.08539	1.0125	5.5289	.42868	.46642
#1	.10627	H10.627	.04016	.09072	.08248	1.3189	1.3053
#2	.10680	H10.690	.04012	.09203	.08919	1.3109	1.3139
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.05333	.02229	1.248	1.126	H58.41
⊔Dev	.00082	.00070	.006	.003	.25
%RSD	1.5296	3.1502	.4952	.2907	.4354
#1	.05275	.02279	1.243	1.124	H58.24
#2	.05391	.02179	1.252	1.128	H58.59
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5672	--	--	--	--	--	--
SDev	8.739743	--	--	--	--	--	--
%RSD	.1540982	--	--	--	--	--	--
#1	5665	--	--	--	--	--	--
#2	5678	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM25K Operator: KT
Run Time: 10/16/00 19:24:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00856	.00350	.00855	.25826	.00853	.03959	.00026
SDev	.00057	.00323	.00273	.00056	.00438	.00013	.00000
%RSD	6.6647	92.190	31.960	.21630	51.313	.32534	.21566
#1	.00897	.00578	.00662	.25787	.00543	.03969	.00026
#2	.00816	.00122	.01049	.25866	.01162	.03950	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00538	50.711	.00878	.00254	.18279	2.2352	14.838
SDev	.00010	.086	.00120	.00074	.00030	.0004	.092
%RSD	1.7773	.16887	13.709	29.020	.16567	.01760	.61726
#1	.00531	50.650	.00963	.00307	.18300	2.2349	14.774
#2	.00545	50.771	.00793	.00202	.18258	2.2355	14.903
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08144	.03006	.02660	.00010	131.97	-.00788	.01180
SDev	.00001	.00010	.00061	.00000	.40	.01086	.00003
%RSD	.00770	.32463	2.3118	.74256	.30451	137.77	.24678
#1	.08143	.02999	.02703	.00010	131.69	-.00020	.01178
#2	.08144	.03013	.02616	.00010	132.26	L-.01557	.01182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00580	.27754	.00601	.00793	.00981	.00277	.01146
SDev	.00002	.00250	.00004	.00340	.00140	.00316	.00072
%RSD	.35561	.90025	.66210	42.894	14.249	114.17	6.3140
#1	.00578	.27577	.00604	.00552	.00882	.00501	.01094
#2	.00581	.27931	.00598	.01034	.01079	.00053	.01197
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01117	-.00033	.4310	.2555	12.14
SDev	.00386	.00291	.0057	.0010	.08
%RSD	34.538	878.26	1.313	.3958	.6344
#1	.01390	.00173	.4270	.2548	12.08
#2	.00844	-.00239	.4350	.2562	12.19
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6317	--	--	--	--	--	--
SDev	18.97864	--	--	--	--	--	--
%RSD	.3004499	--	--	--	--	--	--
#1	6330	--	--	--	--	--	--
#2	6303	--	--	--	--	--	--

Analysis Report 10/16/00 07:38:18 PM

Method: QTESTNAK Sample Name: DM3H8F Operator: KT
Run Time: 10/16/00 19:32:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00087	-.00353	-.00190	.44493	-.00071	.42318	.00026
SDev	.00044	.00241	.00071	.00664	.00283	.00119	.00000
%RSD	50.612	68.249	37.383	1.4925	398.83	.28206	.24973
#1	-.00118	-.00182	-.00140	.44962	-.00271	.42403	.00026
#2	-.00056	L-.00523	-.00240	.44023	.00129	.42234	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	205.51	.00343	.00148	.00176	.67117	54.580
SDev	.00007	.16	.00012	.00076	.00036	.01081	.172
%RSD	61.000	.07927	3.5878	51.295	20.135	1.6107	.31511
#1	.00006	205.39	.00351	.00202	.00202	.66352	54.702
#2	.00016	205.63	.00334	.00094	.00151	.67881	54.458
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01405	.00020	.01007	-.00038	91.397	-.00427	.03131
SDev	.00005	.00001	.00075	.00008	.358	.00028	.00051
%RSD	.35383	4.2233	7.4119	20.678	.39122	6.5760	1.6196
#1	.01408	.00020	.01060	-.00044	91.650	-.00447	.03167
#2	.01401	.00019	.00954	-.00032	91.144	-.00407	.03096
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00105	.01190	-.00098	-.00212	-.00145	-.00215	-.00023
SDev	.00001	.00005	.00007	.00117	.00448	.00067	.00100
%RSD	.67196	.43439	7.0478	55.206	309.44	31.305	427.23
#1	.00106	.01194	-.00103	-.00295	.00172	-.00167	-.00094
#2	.00105	.01187	-.00093	-.00129	-.00461	-.00262	.00047
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00682	-.00869	.1690	2.011	13.07
SDev	.00627	.00674	.0021	.008	.04
%RSD	92.043	77.566	1.220	.3973	.2771
#1	.00238	-.00392	.1705	2.017	13.09
#2	.01125	-.01345	.1676	2.006	13.04
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6190	--	--	--	--	--	--
SDev	21.15658	--	--	--	--	--	--
%RSD	.3417842	--	--	--	--	--	--
#1	6175	--	--	--	--	--	--
#2	6205	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/16/00 19:40:29
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48043	.49356	.48214	24.262	.46661	1.9840	1.9967
SDev	.00201	.00690	.00622	.005	.00353	.0125	.0005
%RSD	.41781	1.3969	1.2897	.02184	.75579	.63085	.02608
#1	.48185	.49843	.47775	24.259	.46412	1.9752	1.9963
#2	.47902	.48868	.48654	24.266	.46911	1.9929	1.9971
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47821	98.623	1.9896	1.9605	1.9381	24.861	99.822
SDev	.00447	.180	.0124	.0097	.0058	.020	.621
%RSD	.93510	.18227	.62344	.49360	.29975	.08052	.62244
#1	.47505	98.495	1.9809	1.9536	1.9422	24.846	99.383
#2	.48137	98.750	1.9984	1.9673	1.9340	24.875	100.26
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9926	1.9313	1.9563	.99476	49.042	.95879	2.0298
SDev	.0121	.0328	.0087	.00028	.064	.00893	.0005
%RSD	.60559	1.7004	.44565	.02823	.13039	.93128	.02381
#1	1.9841	1.9081	1.9502	.99456	48.997	.95247	2.0295
#2	2.0012	1.9546	1.9625	.99496	49.087	.96510	2.0302
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9996	1.9984	1.8825	.47945	.48754	.48078	.48026
SDev	.0007	.0152	.0103	.00798	.00268	.00053	.00328
%RSD	.03437	.75959	.54978	1.6652	.54996	.11072	.68197
#1	1.9991	1.9877	1.8752	.47380	.48564	.48041	.48253
#2	2.0000	2.0091	1.8898	.48509	.48943	.48116	.47794
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.49880	.49094	1.933	2.044	1.915
sDev	.00090	.00989	.021	.013	.007
%RSD	.18062	2.0139	1.061	.6349	.3608
#1	.49944	.49793	1.919	2.035	1.911
#2	.49816	.48395	1.948	2.053	1.920
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6265	--	--	--	--	--	--
SDev	18.92201	--	--	--	--	--	--
%RSD	.3020399	--	--	--	--	--	--
#1	6278	--	--	--	--	--	--
#2	6251	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/16/00 19:48:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	-.00046	-.00133	-.11064	-.00050	.00000	.00044
SDev	.00100	.00160	.00008	.00372	.00241	.00000	.00000
%RSD	278.86	347.85	5.9262	3.3638	476.67	11.914	.02120
#1	-.00107	-.00159	-.00128	-.10801	-.00221	.00000	.00044
#2	.00035	.00067	-.00139	-.11328	.00120	.00000	.00044
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	.02514	.00024	.00050	.00159	-.01114	.00158
SDev	.00000	.00024	.00050	.00073	.00031	.01264	.00202
%RSD	4.6893	.96262	212.38	144.61	19.565	113.48	128.04
#1	-.00008	.02531	-.00012	.00102	.00181	-.02008	.00015
#2	-.00008	.02497	.00059	-.00001	.00137	-.00220	.00301
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00402	-.00096	-.00021	.52195	.00458	.00053
SDev	.00000	.00187	.00069	.00015	.04996	.00398	.00000
%RSD	.26777	46.646	71.105	71.174	9.5719	86.842	.38512
#1	-.00016	.00269	-.00145	-.00032	.55728	.00177	.00053
#2	-.00016	.00534	-.00048	-.00010	.48662	.00740	.00053
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00032	.00004	.00630	-.00134	-.00132	-.00243	.00068
SDev	.00000	.00001	.00002	.00078	.00133	.00047	.00173
%RSD	.07634	27.507	.26298	58.311	101.04	19.133	255.66
#1	-.00032	.00005	.00629	-.00079	-.00226	-.00211	-.00055
#2	-.00032	.00003	.00631	-.00189	-.00038	-.00276	.00190
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00640	-.00389	.0000	.0000	.0084
SDev	.00219	.00349	.0000	.0000	.0010
%RSD	34.149	89.893	.0000	11.91	12.21
#1	.00795	-.00636	.0000	.0000	.0076
#2	.00486	-.00142	.0000	.0000	.0091
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6425	--	--	--	--	--	--
SDev	8.315410	--	--	--	--	--	--
%RSD	.1294259	--	--	--	--	--	--
#1	6419	--	--	--	--	--	--
#2	6431	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM3LG Operator: KT
Run Time: 10/16/00 19:54:26
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	-.00179	-.00439	-.05516	-.00184	.00070	.00044
SDev	.00091	.00017	.00050	.00075	.00269	.00000	.00000
%RSD	442.01	9.2594	11.404	1.3595	146.24	.07486	.12830
#1	-.00085	-.00191	-.00404	-.05569	-.00374	.00070	.00044
#2	.00044	-.00167	-.00475	-.05463	.00006	.00070	.00044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00037	.14188	.00066	.00050	.00222	.10885	.02147
SDev	.00020	.00015	.00050	.00073	.00001	.00619	.00205
%RSD	54.326	.10687	75.829	146.81	.32155	5.6835	9.5664
#1	.00023	.14177	.00102	.00101	.00221	.11322	.02002
#2	.00051	.14199	.00031	-.00002	.00222	.10448	.02292
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00184	.00403	.00146	-.00005	.80155	-.00301	.00303
SDev	.00000	.00188	.00000	.00022	.00035	.00178	.00039
%RSD	.06367	46.742	.06668	431.96	.04357	59.360	12.940
#1	.00184	.00270	.00146	.00011	.80130	-.00427	.00331
#2	.00184	.00536	.00146	-.00021	.80180	-.00174	.00275
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00033	.00630	.00630	-.00347	-.00623	-.00293	.00115
SDev	.00095	.00081	.00919	.00007	.00164	.00369	.00048
%RSD	289.67	12.916	145.90	1.9604	26.319	126.07	41.545
#1	-.00100	.00573	-.00020	-.00352	-.00507	-.00554	.00149
#2	.00035	.00688	.01280	-.00342	-.00739	-.00032	.00081
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.01061	-.00798	.0010	.0008	.0644
SDev	.00518	.00234	.0014	.0000	.0011
%RSD	48.851	29.310	141.4	.0601	1.748
#1	.00694	-.00633	.0000	.0008	.0652
#2	.01427	-.00963	.0020	.0008	.0636
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6426	--	--	--	--	--	--
SDev	3.224448	--	--	--	--	--	--
%RSD	.0501763	--	--	--	--	--	--
#1	6429	--	--	--	--	--	--
#2	6424	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM426F Operator: KT
Run Time: 10/16/00 20:02:28
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00352	-.00207	.00033	-.03996	.03853	.02141	.00025
SDev	.00285	.00254	.00159	.00346	.00003	.00031	.00000
%RSD	80.888	123.00	483.79	8.6516	.07570	1.4300	.18120
#1	L-.00553	-.00387	.00145	-.04240	.03850	.02162	.00025
#2	-.00151	-.00027	-.00079	-.03752	.03855	.02119	.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00014	83.438	.01757	.00205	.00596	3.5629	46.754
SDev	.00024	.109	.00016	.00000	.00005	.0045	.022
%RSD	169.29	.13104	.93197	.11014	.77102	.12769	.04684
#1	.00031	83.361	.01745	.00205	.00600	3.5597	46.770
#2	-.00003	83.516	.01769	.00204	.00593	3.5662	46.739
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.92907	.01984	.03473	-.00010	392.31	-.00480	.00450
SDev	.00026	.00005	.00151	.00000	1.33	.00025	.00001
%RSD	.02788	.26380	4.3382	.24044	.33902	5.2449	.12322
#1	.92926	.01988	.03580	-.00010	391.37	-.00498	.00451
#2	.92889	.01980	.03366	-.00010	393.25	-.00463	.00450
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00801	.01961	.00232	.00155	-.00212	-.00499	-.00278
SDev	.00002	.00005	.00474	.00134	.00207	.00012	.00421
%RSD	.27344	.26404	204.19	86.613	97.578	2.3077	151.27
#1	.00802	.01965	.00567	.00250	-.00066	-.00507	-.00576
#2	.00799	.01957	-.00103	.00060	-.00359	-.00491	.00019
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00439	-.00530	1.368	.6360	18.38
SDev	.00162	.00300	.003	.0003	.01
%RSD	36.963	56.738	.1957	.0436	.0395
#1	.00325	-.00742	1.366	.6362	18.38
#2	.00554	-.00317	1.370	.6358	18.39
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6183	--	--	--	--	--	--
SDev	14.76431	--	--	--	--	--	--
%RSD	.2387872	--	--	--	--	--	--
#1	6173	--	--	--	--	--	--
#2	6193	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM42KF Operator: KT
Run Time: 10/16/00 20:10:30
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00264	-.00191	.00105	-.04181	-.00066	.11467	.00026
SDev	.00049	.00191	.00261	.00284	.00412	.00004	.00000
%RSD	18.504	100.18	248.59	6.7818	623.10	.03624	.33965
#1	-.00299	-.00056	.00290	-.03980	-.00357	.11464	.00025
#2	-.00230	-.00326	-.00080	-.04381	.00225	.11470	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00022	250.49	.00661	.00696	.00689	.09977	39.497
SDev	.00043	.46	.00088	.00079	.00008	.00695	.025
%RSD	193.98	.18548	13.378	11.353	1.2254	6.9651	.06306
#1	.00053	250.82	.00723	.00752	.00695	.10468	39.515
#2	-.00008	250.16	.00598	.00640	.00683	.09485	39.480
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.3091	.00714	.07465	-.00007	231.40	-.00253	.00103
SDev	.0014	.00193	.00031	.00039	.58	.00312	.00001
%RSD	.04377	27.061	.41263	531.92	.25010	123.10	.48202
#1	3.3102	.00577	.07487	.00020	231.00	-.00473	.00103
#2	3.3081	.00851	.07443	-.00035	231.81	-.00033	.00103
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00029	.01909	-.00116	.00310	-.00306	-.00375	-.00210
SDev	.00000	.00009	.00008	.00115	.00555	.00259	.00203
%RSD	.57161	.48325	7.2419	36.926	181.05	69.160	96.745
#1	-.00029	.01916	-.00122	.00391	.00086	-.00191	-.00353
#2	-.00029	.01903	-.00110	.00229	-.00698	-.00558	-.00066
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00521	-.00546	1.085	1.722	9.313
SDev	.00064	.00254	.006	.001	.005
%RSD	12.377	46.567	.5577	.0678	.0508
#1	.00567	-.00366	1.081	1.722	9.310
#2	.00476	-.00726	1.089	1.721	9.316
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6126	--	--	--	--	--	--
SDev	25.11645	--	--	--	--	--	--
%RSD	.4099922	--	--	--	--	--	--
#1	6108	--	--	--	--	--	--
#2	6144	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM48E Operator: KT
Run Time: 10/16/00 20:18:32
Comment:
Mode: CONC Corr. Factor: 1 Ref

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00224	-.00086	.00372	.71052	.01209	.52715	.00071
SDev	.00056	.00007	.00098	.00082	.00399	.00102	.00000
%RSD	25.038	8.3121	26.249	.11479	33.004	.19426	.26364
#1	.00264	-.00081	.00441	.71110	.00927	.52643	.00071
#2	.00185	-.00091	.00303	.70994	.01492	.52788	.00071
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00038	64.681	.01396	.00093	.15324	2.0907	18.500
SDev	.00048	.011	.00102	.00000	.00030	.0087	.031
%RSD	125.77	.01678	7.2865	.10052	.19773	.41547	.16907
#1	.00004	64.673	.01468	.00093	.15345	2.0846	18.478
#2	.00072	64.688	.01324	.00093	.15302	2.0969	18.522
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07070	.02537	.10790	.00036	3741.4	.00664	.02168
SDev	.00020	.00019	.00076	.00000	11.8	.00815	.00045
%RSD	.28520	.76961	.70889	.92934	.31487	122.79	2.0713
#1	.07056	.02551	.10844	.00036	3749.7	.00087	.02136
#2	.07085	.02524	.10736	.00036	3733.0	.01240	.02200
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00497	.13398	.00953	.00691	-.00268	-.00052	.00362
SDev	.00004	.00144	.00007	.00096	.00101	.00422	.00126
%RSD	.87138	1.0737	.71572	13.901	37.528	813.26	34.848
#1	.00500	.13296	.00948	.00759	-.00197	.00246	.00273
#2	.00494	.13499	.00957	.00623	-.00339	-.00350	.00452
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	.01725	-.00991	.1555	.9833	6.078
Dev	.00347	.00184	.0010	.0016	.006
%RSD	20.140	18.595	.6673	.1650	.0980
#1	.01479	-.00860	.1548	.9821	6.073
#2	.01971	-.01121	.1562	.9844	6.082
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4304	--	--	--	--	--	--
SDev	30.37728	--	--	--	--	--	--
%RSD	.7057591	--	--	--	--	--	--
#1	4283	--	--	--	--	--	--
#2	4326	--	--	--	--	--	--

Method: QTESTNAK Sample Name: STLC-BLK 10X Operator: KT
Run Time: 10/16/00 20:26:34
C mment:
. de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00116	H.01235	.00519	-.11023	.00211	.00077	.00006
SDev	.00330	.00101	.00748	.01176	.00150	.00000	.00027
%RSD	284.71	8.1927	144.05	10.667	71.039	.08468	469.10
#1	.00117	H.01164	.01048	-.11854	.00105	.00077	-.00013
#2	-.00349	H.01307	-.00010	-.10191	.00318	.00077	.00025
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.03930	.00093	.00046	.00029	-.00460	-.00086
SDev	.00033	.00012	.00044	.00079	.00127	.00345	.00220
%RSD	1095.3	.29950	46.872	169.57	430.88	75.004	255.98
#1	.00020	.03922	.00062	-.00009	-.00060	-.00216	-.00242
#2	-.00026	.03938	.00124	.00102	.00119	-.00705	.00070
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	-.00406	.01618	-.00209	H606.00	.00122	-.00019
SDev	.00000	.00202	.00001	.00297	1.04	.00832	.00000
%RSD	.15499	49.787	.06046	142.06	.17218	683.08	.77815
#1	-.00014	-.00549	.01618	-.00420	H606.74	.00710	-.00019
#2	-.00014	-.00263	.01619	.00001	H605.27	-.00466	-.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00100	.00208	.02631	.01221	-.00886	-.01617	.00634
SDev	.00000	.00087	.00000	.01566	.00891	.01914	.01450
%RSD	.11708	41.606	.01529	128.31	100.58	118.37	228.90
#1	-.00100	.00269	.02631	.02328	-.01516	-.02970	.01659
#2	-.00100	.00147	.02631	.00113	-.00256	-.00264	-.00392
'rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01584	.01062	.0022	.0002	.0184
SDev	.01436	.00565	.0031	.0000	.0014
%RSD	90.681	53.257	141.4	.1087	7.820
#1	.00568	.01461	.0044	.0002	.0174
#2	.02600	.00662	.0000	.0002	.0194
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5972	--	--	--	--	--	--
SDev	3.507222	--	--	--	--	--	--
%RSD	.0587242	--	--	--	--	--	--
#1	5975	--	--	--	--	--	--
#2	5970	--	--	--	--	--	--

Method: QTESTNAK Sample Name: STLC-LCS 10X Operator: KT
Run Time: 10/16/00 20:36:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47857	2.1055	.48403	1.9916	1.9080	1.9153	.04991
SDev	.00269	.0105	.00111	.0028	.0042	.0045	.00006
%RSD	.56126	.49961	.23004	.14007	.21916	.23614	.12714
#1	.48047	2.1130	.48325	1.9936	1.9109	1.9185	.04995
#2	.47667	2.0981	.48482	1.9896	1.9050	1.9121	.04986
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.6000	.40000	1.6000	1.6000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04755	L.03484	.19859	.51189	.24683	.98602	L-.00504
SDev	.00098	.00025	.00177	.00165	.00028	.01140	.01062
%RSD	2.0619	.72758	.89073	.32286	.11383	1.1566	210.51
#1	.04824	L.03502	.19734	.51072	.24663	.99408	L-.01255
#2	.04685	L.03466	.19984	.51306	.24703	.97795	L.00246
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	60.000	.24000	.60000	.30000	1.2000	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50554	.99374	.50999	.04644	603.23	2.0807	L.00040
SDev	.00065	.00070	.00138	.00030	.30	.0089	.00000
%RSD	.12861	.07050	.27001	.63844	.05044	.42708	.46870
#1	.50600	.99325	.51096	.04665	603.01	2.0744	L.00040
#2	.50508	.99424	.50901	.04623	603.45	2.0870	L.00040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49863	.52266	L.02953	.48292	.48627	.47879	.47846
SDev	.00064	.00068	.00483	.00024	.00286	.00196	.00305
%RSD	.12846	.12936	16.368	.05000	.58816	.40894	.63736
#1	.49909	.52314	L.02611	.48275	.48425	.48018	.48062
#2	.49818	.52218	L.03295	.48309	.48829	.47741	.47631
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000	2.4000				
Low	.40000	.40000	1.6000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	2.0917	2.1124	.0064	L.0002	L.0466
SDev	.0112	.0102	.0000	.0000	.0022
%RSD	.53752	.48087	.1285	.2421	4.783
#1	2.0997	2.1196	.0064	L.0002	L.0481
#2	2.0838	2.1052	.0064	L.0002	L.0450
Errors	NOCHECK	NOCHECK	NOCHECK	LC Low	LC Low
High				1.200	12.00
Low				.8000	8.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6098	--	--	--	--	--	--
SDev	7.834798	--	--	--	--	--	--
%RSD	.1284760	--	--	--	--	--	--
#1	6093	--	--	--	--	--	--
#2	6104	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM08L 10X Operator: KT
Run Time: 10/16/00 20:44:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00335	.00896	.00185	-.09302	.00513	.04892	.00025
SDev	.00163	.00156	.00278	.00390	.00200	.00262	.00000
%RSD	48.656	17.418	150.17	4.1937	39.073	5.3581	.06187
#1	.00450	.00785	-.00011	-.09026	.00371	.05078	.00025
#2	.00220	.01006	.00381	-.09578	.00655	.04707	.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00012	.41736	.00122	.00428	.01947	.80154	.02555
SDev	.00035	.01791	.00032	.00000	.00034	.01061	.00026
%RSD	281.02	4.2904	26.318	.05747	1.7273	1.3241	.99960
#1	.00037	.43002	.00145	.00428	.01970	.80904	.02573
#2	-.00012	.40470	.00099	.00427	.01923	.79403	.02537
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45005	-.00255	.02352	.00001	627.69	-.00598	.00103
SDev	.02500	.00000	.00074	.00008	13.24	.00603	.00000
%RSD	5.5560	.04203	3.1550	550.39	2.1095	100.87	.10183
#1	.46773	-.00255	.02404	.00007	637.05	-.00172	.00102
#2	.43237	-.00255	.02299	-.00004	618.33	L-.01025	.00103
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00031	.03377	.02272	.00556	-.00559	.00118	.00443
SDev	.00000	.00173	.00485	.00381	.00070	.00184	.00153
%RSD	.09042	5.1263	21.366	68.504	12.520	155.37	34.410
#1	-.00031	.03499	.02616	.00287	-.00609	.00249	.00551
#2	-.00031	.03254	.01929	.00826	-.00510	-.00012	.00335
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.02503	.00093	.0224	.0030	.0302
SDev	.00472	.00002	.0015	.0003	.0034
%RSD	18.838	1.6697	6.817	8.376	11.37
#1	.02170	.00094	.0235	.0032	.0326
#2	.02837	.00092	.0213	.0029	.0278
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6091	--	--	--	--	--	--
SDev	5.062995	--	--	--	--	--	--
%RSD	.0831256	--	--	--	--	--	--
#1	6087	--	--	--	--	--	--
#2	6094	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM08LP 10X Operator: KT
Run Time: 10/16/00 20:52:45
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00244	L.00179	L.00123	L-.51507	L-.00480	.04911	L.00085
SDev	.00263	.00986	.00942	.01550	.02184	.00010	.00064
%RSD	107.98	550.02	766.06	3.0099	454.48	.19524	75.172
#1	L-.00058	L-.00518	L.00789	L-.50411	L-.02025	.04918	L.00040
#2	L-.00430	L.00877	L-.00543	L-.52604	L.01064	.04904	L.00131
Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Pass	LC Low
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00103	.61138	L.00092	L.00509	L.01843	.86676	L.00514
SDev	.00007	.00268	.00002	.00000	.00016	.00171	.00007
%RSD	7.1543	.43843	2.0510	.01555	.89327	.19776	1.4550
#1	L.00108	.61327	L.00094	L.00509	L.01854	.86797	L.00508
#2	L.00098	.60948	L.00091	L.00509	L.01831	.86554	L.00519
Errors	LC Low	LC Pass	LC Low	LC Low	LC Low	LC Pass	LC Low
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44361	L.00714	L.01967	L-.00137	696.52	L-.00451	L.00255
SDev	.00084	.00949	.00343	.00114	2.42	.02616	.00002
%RSD	.18972	133.00	17.418	82.680	.34795	579.37	.62551
#1	.44420	L.00043	L.01725	L-.00057	698.24	L.01398	L.00254
#2	.44301	L.01385	L.02209	L-.00218	694.81	L-.02301	L.00256
Errors	LC Pass	LC Low	LC Low	LC Low	NOCHECK	LC Low	LC Low
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	L-.00332	.04073	L.03057	.00031	.00308	-.01194	.00231
SDev	.00242	.00012	.04673	.01246	.00335	.00287	.00537
%RSD	72.781	.28139	152.84	4079.5	108.61	24.023	232.68
#1	L-.00503	.04082	L-.00247	.00911	.00545	-.01397	.00611
#2	L-.00161	.04065	L.06362	-.00850	.00072	-.00991	-.00149
Errors	LC Low	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	.05373	-.02414	L.0154	L.0034	L.0041
ɔDev	.00026	.01466	.0073	.0000	.0015
%RSD	.48266	60.721	47.31	.2344	37.48
#1	.05355	-.03450	L.0205	L.0035	L.0052
#2	.05392	-.01377	L.0102	L.0034	L.0030
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6341	--	--	--	--	--	--
SDev	11.96419	--	--	--	--	--	--
%RSD	.1886674	--	--	--	--	--	--
#1	6333	--	--	--	--	--	--
#2	6350	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM08LS 10X Operator: KT
Run Time: 10/16/00 20:58:39
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48510	2.1132	.49044	1.9872	1.9315	1.9598	.04997
SDev	.00776	.0265	.00043	.0185	.0257	.0182	.00040
%RSD	1.5989	1.2523	.08853	.92893	1.3281	.92891	.80525
#1	.49059	2.1320	.49074	2.0003	1.9496	1.9727	.05025
#2	.47962	2.0945	.49013	1.9742	1.9133	1.9469	.04968
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04773	.42601	.20202	.51936	.26327	1.8199	.02455
SDev	.00010	.00007	.00374	.00696	.00157	.0161	.00441
%RSD	.20508	.01666	1.8508	1.3399	.59554	.88284	17.963
#1	.04766	.42606	.20466	.52428	.26438	1.8312	.02767
#2	.04780	.42596	.19938	.51444	.26216	1.8085	.02143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95216	1.0020	.51635	.04652	629.65	2.0940	.00099
SDev	.01199	.0041	.00581	.00007	3.46	.0073	.00000
%RSD	1.2596	.40646	1.1249	.16160	.54991	.34821	.09756
#1	.96064	1.0048	.52046	.04647	632.10	2.0992	.00099
#2	.94367	.99908	.51224	.04657	627.21	2.0888	.00099
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.000	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49993	.55492	.03288	.49284	.48562	.48014	.48758
SDev	.00306	.00513	.00000	.00043	.00216	.00151	.01088
%RSD	.61269	.92493	.00306	.08650	.44432	.31431	2.2305
#1	.50210	.55855	.03288	.49254	.48715	.48121	.49527
#2	.49777	.55129	.03288	.49314	.48409	.47907	.47989
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	2.0935	2.1231	.0255	.0030	.0604
SDev	.0026	.0384	.0000	.0000	.0020
%RSD	.12359	1.8079	.0125	.0132	3.279
#1	2.0953	2.1502	.0255	.0030	.0618
#2	2.0917	2.0959	.0255	.0030	.0590
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6125	--	--	--	--	--	--
SDev	.7637306	--	--	--	--	--	--
%RSD	.0124681	--	--	--	--	--	--
#1	6125	--	--	--	--	--	--
#2	6126	--	--	--	--	--	--

Analysis Report 10/16/00 09:12:32 PM page 1

Method: QTESTNAK Sample Name: DM08LD 10X Operator: KT
Run Time: 10/16/00 21:06:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48590	2.1108	.49025	2.0011	1.9315	1.9666	.05004
SDev	.00043	.0098	.00357	.0113	.0032	.0026	.00005
%RSD	.08910	.46331	.72868	.56260	.16558	.13149	.09160
#1	.48560	2.1177	.49278	2.0090	1.9337	1.9684	.05007
#2	.48621	2.1039	.48773	1.9931	1.9292	1.9648	.05001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04797	.45258	.20255	.52274	.26463	1.8282	.02612
SDev	.00004	.00057	.00013	.00048	.00057	.0216	.00229
%RSD	.08462	.12529	.06565	.09189	.21463	1.1800	8.7594
#1	.04799	.45298	.20246	.52308	.26504	1.8435	.02450
#2	.04794	.45218	.20265	.52240	.26423	1.8130	.02773
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95624	1.0025	.52879	.04651	631.73	2.1086	.00098
SDev	.00113	.0109	.00265	.00027	1.76	.0098	.00000
%RSD	.11821	1.0920	.50099	.58353	.27826	.46270	.10658
#1	.95704	.99480	.53066	.04632	632.98	2.1155	.00098
#2	.95544	1.0103	.52691	.04670	630.49	2.1017	.00098
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50091	.55796	.03292	.48954	.49169	.48644	.48564
SDev	.00055	.00221	.00001	.00109	.01291	.00197	.00034
%RSD	.10923	.39564	.03613	.22249	2.6255	.40504	.06890
#1	.50052	.55952	.03293	.48877	.50082	.48504	.48587
#2	.50129	.55640	.03292	.49031	.48256	.48783	.48540
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	2.0883	2.1220	.0245	.0030	.0602
ɔDev	.0167	.0063	.0015	.0000	.0009
%RSD	.80152	.29715	6.241	.0973	1.424
#1	2.1001	2.1265	.0256	.0030	.0608
#2	2.0765	2.1176	.0234	.0030	.0596
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6105	--	--	--	--	--	--
SDev	5.628542	--	--	--	--	--	--
%RSD	.0921971	--	--	--	--	--	--
#1	6101	--	--	--	--	--	--
#2	6109	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/16/00 21:14:43
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47852	.49077	.47800	24.196	.46821	1.9785	1.9889
SDev	.00386	.00247	.00369	.107	.00988	.0004	.0012
%RSD	.80673	.50351	.77213	.44256	2.1111	.01956	.05836
#1	.47579	.48903	.47539	24.272	.47520	1.9782	1.9881
#2	.48125	.49252	.48061	24.121	.46122	1.9787	1.9897
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47661	98.300	1.9877	1.9578	1.9295	24.815	99.860
SDev	.00081	.021	.0042	.0016	.0081	.014	.080
%RSD	.17096	.02144	.21020	.08317	.41764	.05609	.08032
#1	.47603	98.285	1.9848	1.9566	1.9352	24.805	99.803
#2	.47718	98.315	1.9907	1.9589	1.9238	24.825	99.916
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9887	1.9280	1.9479	.99321	49.005	.95629	2.0244
SDev	.0017	.0264	.0045	.00169	.408	.00061	.0004
%RSD	.08645	1.3669	.23229	.17011	.83203	.06416	.02047
#1	1.9875	1.9094	1.9447	.99440	49.293	.95585	2.0247
#2	1.9900	1.9467	1.9511	.99201	48.716	.95672	2.0242
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9937	1.9958	1.8858	.47579	.48243	.48284	.47637
SDev	.0032	.0065	.0172	.00660	.00213	.00147	.00652
%RSD	.15973	.32764	.91290	1.3861	.44069	.30555	1.3696
#1	1.9959	1.9911	1.8737	.47113	.48393	.48388	.47176
#2	1.9914	2.0004	1.8980	.48045	.48092	.48179	.48098
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.49100	.49066	1.931	2.043	1.878
SDev	.00387	.00564	.009	.001	.012
%RSD	.78899	1.1492	.4652	.0512	.6162
#1	.49374	.48667	1.925	2.043	1.870
#2	.48826	.49465	1.938	2.044	1.886
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6231	--	--	--	--	--	--
SDev	9.955773	--	--	--	--	--	--
%RSD	.1597750	--	--	--	--	--	--
#1	6238	--	--	--	--	--	--
#2	6224	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/16/00 21:22:46
mment:
de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00076	-.00472	-.00056	-.12243	.00105	.00000	.00044
SDev	.00160	.00203	.00267	.00877	.00161	.00000	.00000
%RSD	211.13	43.031	475.84	7.1653	153.49	8.8625	.02103
#1	.00037	-.00329	-.00245	-.11623	-.00009	.00000	.00044
#2	-.00189	Q-.00616	.00133	-.12863	.00218	.00000	.00044
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	.02526	.00031	.00102	.00140	-.01118	.00017
SDev	.00020	.00019	.00000	.00000	.00057	.00630	.00004
%RSD	210.58	.75288	.89749	.03613	40.873	56.364	24.949
#1	.00024	.02539	.00031	.00102	.00099	-.01564	.00020
#2	-.00005	.02512	.00031	.00102	.00180	-.00673	.00014
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00402	-.00048	-.00021	.61129	-.00292	.00053
SDev	.00000	.00189	.00137	.00030	.15500	.00519	.00000
%RSD	.21093	46.937	285.52	142.26	25.356	177.58	.32012
#1	-.00016	.00536	-.00145	.00000	.50168	.00075	.00053
#2	-.00016	.00269	.00049	-.00042	.72089	-.00659	.00053
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00032	-.00053	.00629	-.00112	.00056	.00018	-.00123
SDev	.00000	.00082	.00001	.00270	.00263	.00098	.00289
%RSD	.57794	154.03	.21004	240.33	469.90	542.45	235.57
#1	-.00032	.00005	.00628	-.00303	-.00130	-.00051	.00082
#2	-.00033	-.00111	.00630	.00078	.00242	.00088	-.00328
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00270	-.00843	.0000	.0000	<.0000
SDev	.00449	.00529	.0000	.0000	.0005
%RSD	166.46	62.769	.0000	8.862	28.04
#1	-.00048	-.00469	.0000	.0000	<.0000
#2	.00588	-.01217	.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6421	--	--	--	--	--	--
SDev	6.533833	--	--	--	--	--	--
%RSD	.1017601	--	--	--	--	--	--
#1	6416	--	--	--	--	--	--
#2	6425	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM08LX 10X Operator: KT
Run Time: 10/16/00 21:28:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	.00528	.00267	-.12293	.00369	.02507	.00016
SDev	.00153	.00357	.00109	.00216	.00155	.00031	.00013
%RSD	459.31	67.577	40.961	1.7582	42.161	1.2217	81.207
#1	-.00075	.00276	.00344	-.12446	.00479	.02529	.00007
#2	.00141	.00780	.00190	-.12140	.00259	.02486	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	.44686	.00088	.00477	.02123	.96773	.02376
SDev	.00007	.00123	.00010	.00077	.00037	.00792	.00197
%RSD	32.517	.27565	11.265	16.121	1.7623	.81860	8.2872
#1	-.00028	.44773	.00081	.00532	.02149	.96213	.02237
#2	-.00017	.44598	.00096	.00423	.02096	.97333	.02516
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45623	-.00115	.02525	-.00037	621.51	.00178	.00075
SDev	.00338	.00196	.00076	.00016	1.96	.00191	.00041
%RSD	.74124	171.29	3.0317	41.829	.31465	107.19	54.957
#1	.45862	.00024	.02579	-.00049	622.89	.00043	.00046
#2	.45384	-.00253	.02470	-.00026	620.12	.00314	.00104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00002	.02731	.02945	.00338	.00124	-.00287	.00193
SDev	.00049	.00006	.00477	.00162	.00003	.00002	.00230
%RSD	2097.6	.22260	16.206	48.041	2.3430	.56560	119.14
#1	-.00032	.02735	.02608	.00453	.00126	-.00286	.00030
#2	.00037	.02727	.03283	.00223	.00122	-.00288	.00356
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01534	.00026	.0116	.0032	.0247
SDev	.00469	.00301	.0015	.0000	.0017
%RSD	30.569	1172.9	12.66	.2129	6.773
#1	.01203	-.00187	.0106	.0032	.0258
#2	.01866	.00238	.0126	.0032	.0235
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6166	--	--	--	--	--	--
SDev	12.47346	--	--	--	--	--	--
%RSD	.2023106	--	--	--	--	--	--
#1	6157	--	--	--	--	--	--
#2	6174	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM4L5B-0287268 Operator: KT
Run Time: 10/16/00 21:36:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00085	.00073	-.00297	-.10578	-.00333	-.00001	.00027
SDev	.00051	.00003	.00164	.00005	.00156	.00000	.00000
%RSD	60.805	3.5919	55.060	.04915	46.918	4.2792	.07736
#1	-.00048	.00075	-.00182	-.10574	-.00444	-.00001	.00027
#2	-.00121	.00071	-.00413	-.10581	-.00223	-.00001	.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	.04302	-.00003	.00001	.00100	.00646	.00266
SDev	.00036	.00014	.00039	.00000	.00001	.00001	.00002
%RSD	145.86	.31838	1488.1	4.6387	1.0144	.15351	.76053
#1	.00001	.04311	-.00030	.00001	.00101	.00647	.00264
#2	-.00050	.04292	.00025	.00001	.00099	.00646	.00267
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	.00125	-.00048	-.00041	.53665	.00306	.00057
SDev	.00046	.00183	.00000	.00029	.00991	.00386	.00000
%RSD	296.53	145.77	.00000	70.435	1.8475	126.33	.17392
#1	.00048	-.00004	-.00048	-.00021	.54366	.00033	.00057
#2	-.00017	.00255	-.00048	-.00062	.52964	.00579	.00058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00034	.00106	.00664	-.00306	-.00281	-.00436	.00091
SDev	.00000	.00000	.00001	.00246	.00001	.00004	.00075
%RSD	.15417	.42356	.12768	80.501	.34624	1.0052	82.847
#1	-.00034	.00106	.00663	-.00132	-.00282	-.00432	.00144
#2	-.00034	.00106	.00664	-.00480	-.00280	-.00439	.00037
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01184	-.00482	<.0000	<.0000	<.0000
SDev	.00577	.00284	.0014	.0000	.0017
%RSD	48.711	58.905	141.4	4.279	217.8
#1	.01592	-.00683	<.0000	<.0000	<.0000
#2	.00776	-.00281	.0000	<.0000	.0004
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6597	--	--	--	--	--	--
SDev	4.412512	--	--	--	--	--	--
%RSD	.0668875	--	--	--	--	--	--
#1	6594	--	--	--	--	--	--
#2	6600	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM4L5C Operator: KT
Run Time: 10/16/00 21:42:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47440	1.8177	.47345	1.9077	1.8057	1.9740	.04976
SDev	.00138	.0024	.00051	.0133	.0232	.0107	.00034
%RSD	.29037	.13255	.10699	.69674	1.2828	.54451	.68562
#1	.47343	1.8160	.47309	1.8983	1.7894	1.9664	.05000
#2	.47538	1.8194	.47380	1.9171	1.8221	1.9816	.04952
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.4000	.35000	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04951	50.423	.20661	.50594	.24447	1.0147	49.463
SDev	.00010	.104	.00294	.00432	.00016	.0150	.312
%RSD	.20249	.20699	1.4205	.85374	.06388	1.4803	.63028
#1	.04944	50.497	.20454	.50288	.24458	1.0253	49.243
#2	.04958	50.349	.20869	.50899	.24436	1.0041	49.684
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50814	.97708	.49569	.04978	48.017	1.9210	1.0510
SDev	.00487	.02314	.00262	.00024	.122	.0267	.0014
%RSD	.95847	2.3688	.52823	.48284	.25406	1.3915	.13482
#1	.50470	.96071	.49384	.04995	47.930	1.9021	1.0520
#2	.51159	.99344	.49754	.04961	48.103	1.9399	1.0500
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50597	.49733	1.9026	.47174	.47687	.47585	.47368
SDev	.00086	.00568	.0061	.00327	.00807	.00554	.00070
%RSD	.17081	1.1432	.31995	.69292	1.6920	1.1637	.14762
#1	.50659	.49331	1.8983	.47405	.47117	.47194	.47418
#2	.50536	.50135	1.9069	.46942	.48258	.47977	.47319
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.7922	1.8304	L.4829	L.4903	2.837
SDev	.0113	.0020	.0079	.0027	.029
%RSD	.62997	.11061	1.632	.5450	1.039
#1	1.7843	1.8318	L.4773	L.4884	2.816
#2	1.8002	1.8289	L.4885	L.4922	2.858
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6324	--	--	--	--	--	--
SDev	10.94600	--	--	--	--	--	--
%RSD	.1730861	--	--	--	--	--	--
#1	6316	--	--	--	--	--	--
#2	6332	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM091 Operator: KT
Run Time: 10/16/00 21:50:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06749	-.00491	.00050	277.32	.03613	1.6559	.00808
SDev	.00039	.00886	.00455	.29	.00047	.0008	.00015
%RSD	.58241	180.42	902.27	.10320	1.3013	.04536	1.8439
#1	.06777	L-.01118	-.00271	277.52	.03646	1.6564	.00819
#2	.06721	.00135	.00372	277.12	.03580	1.6554	.00798
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00630	34.591	.29958	.15342	.17547	296.90	58.341
SDev	.00154	.009	.00104	.00016	.00031	.21	.048
%RSD	24.410	.02638	.34637	.10359	.17706	.07119	.08168
#1	.00739	34.598	.30032	.15331	.17525	297.05	58.375
#2	.00521	34.585	.29885	.15353	.17569	296.75	58.307
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.0389	.01157	.18006	-.00341	8.6135	.00866	12.832
SDev	.0064	.00003	.00123	.00001	.0593	.00109	.001
%RSD	.09126	.23644	.68531	.25835	.68806	12.522	.01003
#1	7.0435	.01155	.18094	-.00342	8.6554	.00943	12.833
#2	7.0344	.01159	.17919	-.00340	8.5716	.00790	12.831
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.60111	.56047	.00980	.00042	.00067	.08662	.05794
SDev	.00144	.00024	.00001	.00716	.00069	.00242	.00062
%RSD	.23899	.04301	.09850	1692.8	104.38	2.7933	1.0677
#1	.60213	.56064	.00981	-.00464	.00116	.08833	.05750
#2	.60009	.56030	.00979	.00549	.00017	.08491	.05838
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00560	-.01016	.0440	.4584	2.829
SDev	.00063	.01360	.0001	.0002	.007
%RSD	11.191	133.84	.3084	.0505	.2393
#1	.00605	-.01978	.0441	.4585	2.834
#2	.00516	-.00055	.0439	.4582	2.824
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6494	--	--	--	--	--	--
SDev	20.02548	--	--	--	--	--	--
%RSD	.3083747	--	--	--	--	--	--
#1	6480	--	--	--	--	--	--
#2	6508	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM093 Operator: KT
Run Time: 10/16/00 21:58:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04849	-.00119	-.00183	164.04	.02596	1.0810	.00549
SDev	.00281	.00090	.00040	.08	.00231	.0021	.00014
%RSD	5.7841	75.670	22.067	.05177	8.9099	.19672	2.5002
#1	.04651	-.00056	-.00211	164.10	.02433	1.0795	.00558
#2	.05047	-.00183	-.00154	163.98	.02760	1.0825	.00539
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00390	27.444	.20240	.10692	.16582	193.30	38.549
SDev	.00035	.045	.00081	.00108	.00099	.12	.061
%RSD	8.8755	.16472	.39831	1.0091	.59745	.06337	.15735
#1	.00415	27.412	.20297	.10616	.16652	193.21	38.506
#2	.00366	27.476	.20183	.10768	.16512	193.38	38.591
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.1251	.00779	.12118	-.00290	5.5413	.00123	12.550
SDev	.0156	.00180	.00037	.00022	.0564	.00952	.006
%RSD	.25501	23.172	.30564	7.4242	1.0187	775.07	.04653
#1	6.1141	.00906	.12092	-.00275	5.5812	.00796	12.545
#2	6.1362	.00651	.12144	-.00306	5.5014	-.00551	12.554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.42518	.37927	.02058	-.00247	-.00054	.05943	.04303
SDev	.00030	.00135	.00903	.00208	.00295	.00145	.00348
%RSD	.07114	.35497	43.890	84.040	551.53	2.4308	8.0966
#1	.42497	.37832	.02697	-.00394	.00155	.05841	.04057
#2	.42539	.38023	.01419	-.00100	-.00262	.06046	.04549
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00588	-.00473	.0267	.3421	2.823
SDev	.00428	.00078	.0013	.0004	.008
%RSD	72.761	16.534	4.992	.1299	.2986
#1	.00891	-.00528	.0258	.3418	2.817
#2	.00285	-.00417	.0276	.3424	2.829
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6569	--	--	--	--	--	--
SDev	16.15021	--	--	--	--	--	--
%RSD	.2458422	--	--	--	--	--	--
#1	6558	--	--	--	--	--	--
#2	6581	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM098 Operator: KT
Run Time: 10/16/00 22:06:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04821	.00459	.00164	157.83	.01993	1.1204	.00519
SDev	.00101	.00417	.00018	.22	.00293	.0016	.00013
%RSD	2.0886	90.830	11.186	.13743	14.694	.14052	2.5790
#1	.04892	.00754	.00151	157.98	.01786	1.1215	.00528
#2	.04750	.00164	.00177	157.67	.02200	1.1193	.00509
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00364	24.261	.19226	.09252	.16371	181.66	35.101
SDev	.00000	.036	.00006	.00051	.00031	.02	.003
%RSD	.08323	.14981	.03127	.55409	.19100	.01260	.00778
#1	.00364	24.235	.19230	.09216	.16393	181.67	35.099
#2	.00364	24.287	.19222	.09289	.16349	181.64	35.103
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.6558	.01049	.11648	-.00235	4.7876	-.00161	11.390
SDev	.0022	.00369	.00113	.00036	.0848	.00185	.006
%RSD	.04801	35.145	.97039	15.515	1.7708	114.68	.05291
#1	4.6542	.01310	.11569	-.00209	4.8475	-.00292	11.394
#2	4.6574	.00789	.11728	-.00260	4.7276	-.00030	11.386
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.38173	.39894	.00861	.00232	.00027	.05706	.04379
SDev	.00021	.00080	.00001	.00003	.00060	.00208	.00047
%RSD	.05540	.20013	.06690	1.1543	227.41	3.6439	1.0769
#1	.38158	.39837	.00860	.00234	-.00016	.05853	.04412
#2	.38188	.39950	.00861	.00230	.00069	.05559	.04346
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01112	.00134	.0338	.3184	3.035
SDev	.00579	.00337	.0001	.0005	.006
%RSD	52.039	251.83	.1834	.1466	.2132
#1	.01521	.00372	.0338	.3187	3.039
#2	.00703	-.00104	.0337	.3180	3.030
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6541	--	--	--	--	--	--
SDev	11.99285	--	--	--	--	--	--
%RSD	.1833601	--	--	--	--	--	--
#1	6532	--	--	--	--	--	--
#2	6549	--	--	--	--	--	--

Analysis Report 10/16/00 10:20:36 PM page 1

Method: QTESTNAK Sample Name: DM09M Operator: KT
Run Time: 10/16/00 22:14:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06944	-.00480	-.00360	329.22	.03551	1.4040	.00918
SDev	.00162	.00435	.00618	.43	.00503	.0002	.00015
%RSD	2.3327	90.638	171.56	.13104	14.170	.01174	1.5740
#1	.07058	-.00172	.00077	328.91	.03196	1.4042	.00929
#2	.06829	L-.00788	-.00797	329.52	.03907	1.4039	.00908
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00635	32.321	.33966	.13257	.19140	332.19	59.431
SDev	.00017	.066	.00131	.00033	.00019	.11	.015
%RSD	2.6895	.20374	.38656	.24815	.09861	.03391	.02575
#1	.00647	32.367	.34058	.13280	.19126	332.27	59.442
#2	.00623	32.274	.33873	.13233	.19153	332.11	59.421
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.9162	.00972	.20833	-.00291	9.4171	.01598	10.452
SDev	.0047	.00372	.00162	.00000	.0968	.00047	.004
%RSD	.06746	38.228	.77898	.13682	1.0280	2.9566	.03516
#1	6.9129	.01235	.20719	-.00291	9.4856	.01564	10.449
#2	6.9195	.00709	.20948	-.00291	9.3487	.01631	10.455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.63289	.62099	.00568	-.00386	-.00308	.08909	.05963
SDev	.00037	.00106	.01376	.00974	.00094	.00344	.00415
%RSD	.05897	.17126	242.45	252.17	30.565	3.8631	6.9547
#1	.63316	.62024	.01541	.00302	-.00375	.08666	.06256
#2	.63263	.62174	-.00405	-.01074	-.00242	.09153	.05669
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00626	-.01032	.0453	.4051	2.640
SDev	.00066	.00619	.0013	.0000	.001
%RSD	10.532	59.995	2.940	.0030	.0424
#1	.00673	-.00594	.0444	.4051	2.639
#2	.00580	-.01470	.0463	.4051	2.641
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6449	--	--	--	--	--	--
SDev	13.06732	--	--	--	--	--	--
%RSD	.2026393	--	--	--	--	--	--
#1	6439	--	--	--	--	--	--
#2	6458	--	--	--	--	--	--

Analysis Report 10/16/00 10:28:39 PM page 1

Method: QTESTNAK Sample Name: DM09MP Operator: KT
Run Time: 10/16/00 22:22:48
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.06031	L.00360	L-.01025	325.44	L.04791	1.4189	.01105
SDev	.01392	.01018	.00623	.35	.03701	.0044	.00061
%RSD	23.079	282.95	60.822	.10748	77.241	.30904	5.5413
#1	L.07015	L-.00360	L-.01466	325.68	L.02174	1.4158	.01062
#2	L.05047	L.01079	L-.00584	325.19	L.07408	1.4220	.01148
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00345	32.986	.34695	.13580	.18893	340.35	61.114
SDev	.00042	.039	.00208	.00017	.00172	.16	.117
%RSD	12.289	.11945	.59883	.12568	.91041	.04763	.19181
#1	L.00375	33.014	.34548	.13592	.19015	340.24	61.031
#2	L.00315	32.958	.34842	.13568	.18771	340.47	61.197
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.1196	L.02779	.20797	L-.00620	10.719	L.04346	10.640
SDev	.0185	.00928	.00024	.00037	.158	.01937	.007
%RSD	.25972	33.391	.11788	5.8889	1.4747	44.560	.06173
#1	7.1066	L.03436	.20814	L-.00595	10.607	L.05715	10.645
#2	7.1327	L.02123	.20779	L-.00646	10.831	L.02977	10.635
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.63388	.64876	L-.00087	-.01212	-.00650	.08821	.04638
SDev	.00158	.00313	.02262	.00532	.00806	.02538	.00819
%RSD	.24974	.48300	2609.4	43.900	123.98	28.777	17.669
#1	.63276	.64655	L.01513	-.01588	-.01221	.10615	.05218
#2	.63500	.65098	L-.01686	-.00836	-.00080	.07026	.04059
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01447	-.00183	L.0499	.4078	2.702
SDev	.02180	.02614	.0001	.0013	.011
%RSD	150.67	1429.0	.1165	.3175	.4154
#1	.02988	-.02032	L.0500	.4069	2.694
#2	-.00095	.01666	L.0499	.4087	2.710
Errors	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6505	--	--	--	--	--	--
SDev	7.580337	--	--	--	--	--	--
%RSD	.1165381	--	--	--	--	--	--
#1	6499	--	--	--	--	--	--
#2	6510	--	--	--	--	--	--

Analysis Report 10/16/00 10:36:41 PM

Method: QTESTNAK Sample Name: DM09MS Operator: KT
Run Time: 10/16/00 22:30:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51515	1.6777	.22144	427.26	1.6752	3.1185	.05758
SDev	.00082	.0039	.00126	.97	.0046	.0047	.00003
%RSD	.15870	.22974	.56835	.22712	.27522	.15041	.05294
#1	.51457	1.6750	.22055	426.57	1.6784	3.1152	.05756
#2	.51573	1.6804	.22233	427.95	1.6719	3.1218	.05760
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05614	82.611	.57784	.61840	.45184	369.80	112.37
SDev	.00039	.078	.00077	.00038	.00088	.38	.23
%RSD	.69214	.09493	.13300	.06086	.19383	.10250	.20214
#1	.05642	82.556	.57838	.61813	.45246	369.53	112.21
#2	.05587	82.667	.57730	.61866	.45122	370.07	112.53
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.8862	.85919	.69010	.04505	58.680	1.8193	13.148
SDev	.0106	.01023	.00077	.00026	.117	.0147	.016
%RSD	.13408	1.1911	.11195	.57564	.19893	.80843	.12443
#1	7.8787	.85195	.68955	.04523	58.597	1.8089	13.136
#2	7.8936	.86643	.69065	.04487	58.762	1.8297	13.160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.1915	1.1673	1.7532	.22187	.22060	.54418	.50066
SDev	.0001	.0033	.0069	.00231	.00085	.00114	.00180
%RSD	.00533	.28657	.39619	1.0428	.38743	.21016	.35885
#1	1.1915	1.1649	1.7581	.22023	.22120	.54498	.49938
#2	1.1916	1.1696	1.7483	.22350	.22000	.54337	.50193
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.6761	1.6785	.5072	.8889	4.557
SDev	.0102	.0109	.0024	.0013	.017
%RSD	.60951	.64815	.4698	.1412	.3701
#1	1.6834	1.6708	.5055	.8880	4.545
#2	1.6689	1.6862	.5088	.8898	4.569
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6291	--	--	--	--	--	--
SDev	24.80536	--	--	--	--	--	--
%RSD	.3943004	--	--	--	--	--	--
#1	6273	--	--	--	--	--	--
#2	6309	--	--	--	--	--	--

Analysis Report 10/16/00 10:44:44 PM page 1

Method: QTESTNAK Sample Name: DM09MD Operator: KT
Run Time: 10/16/00 22:38:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51900	1.7006	.20140	451.64	1.6966	3.7073	.05851
SDev	.00152	.0081	.00053	.15	.0102	.0061	.00008
%RSD	.29211	.47676	.26501	.03392	.60196	.16475	.13755
#1	.52007	1.7063	.20178	451.53	1.6894	3.7030	.05845
#2	.51792	1.6949	.20103	451.74	1.7038	3.7116	.05856
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05699	85.586	.60507	.59637	.47145	388.07	116.47
SDev	.00008	.080	.00074	.00105	.00069	.45	.33
%RSD	.13462	.09331	.12265	.17631	.14659	.11486	.28398
#1	.05704	85.530	.60454	.59563	.47096	387.75	116.24
#2	.05693	85.643	.60559	.59711	.47193	388.38	116.71
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.5499	.85760	.68073	.04573	60.050	1.8347	14.613
SDev	.0162	.00527	.00005	.00001	.042	.0168	.013
%RSD	.29230	.61415	.00755	.02429	.06916	.91808	.08957
#1	5.5384	.85387	.68070	.04572	60.020	1.8228	14.604
#2	5.5613	.86132	.68077	.04574	60.079	1.8466	14.623
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.2362	1.2213	1.7698	.20038	.20346	.54779	.50462
SDev	.0020	.0018	.0182	.00099	.00039	.00505	.00025
%RSD	.16481	.15043	1.0264	.49546	.18960	.92205	.04929
#1	1.2347	1.2200	1.7569	.20108	.20318	.55136	.50445
#2	1.2376	1.2226	1.7826	.19968	.20373	.54422	.50480
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.6890	1.7064	.5199	.9547	4.819
SDev	.0118	.0063	.0028	.0021	.012
%RSD	.69715	.36785	.5429	.2240	.2417
#1	1.6974	1.7108	.5179	.9532	4.811
#2	1.6807	1.7019	.5219	.9562	4.828
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6286	--	--	--	--	--	--
SDev	18.89404	--	--	--	--	--	--
%RSD	.3005639	--	--	--	--	--	--
#1	6273	--	--	--	--	--	--
#2	6300	--	--	--	--	--	--

Analysis Report 10/16/00 10:52:46 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/16/00 22:46:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48099	.49073	.48109	24.054	.46809	1.9618	2.0153
SDev	.00084	.00059	.00078	.002	.00851	.0000	.0029
%RSD	.17389	.11992	.16275	.01007	1.8180	.00213	.14158
#1	.48040	.49115	.48054	24.056	.46208	1.9618	2.0173
#2	.48158	.49031	.48165	24.052	.47411	1.9619	2.0133
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48533	99.654	2.0052	1.9745	1.9218	25.012	99.569
SDev	.00075	.111	.0004	.0018	.0012	.004	.086
%RSD	.15381	.11093	.01946	.09080	.05990	.01407	.08605
#1	.48481	99.732	2.0049	1.9732	1.9210	25.010	99.509
#2	.48586	99.576	2.0054	1.9758	1.9227	25.015	99.630
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9974	1.9352	1.9736	.99341	48.917	.94604	2.0211
SDev	.0004	.0342	.0010	.00020	.039	.00039	.0002
%RSD	.01880	1.7661	.05005	.02012	.08061	.04138	.01171
#1	1.9971	1.9110	1.9743	.99356	48.889	.94632	2.0209
#2	1.9977	1.9594	1.9729	.99327	48.945	.94576	2.0212
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0061	2.0180	1.8912	.47862	.48605	.48179	.48059
SDev	.0001	.0051	.0110	.00251	.00267	.00139	.00056
%RSD	.00474	.25389	.58307	.52404	.54986	.28809	.11674
#1	2.0061	2.0144	1.8834	.47685	.48794	.48081	.48019
#2	2.0060	2.0216	1.8990	.48039	.48416	.48278	.48098
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.49306	.48957	1.927	2.029	1.882
SDev	.00863	.00343	.006	.000	.004
%RSD	1.7497	.69954	.3164	.0130	.1986
#1	.49916	.48715	1.923	2.028	1.880
#2	.48696	.49199	1.931	2.029	1.885
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6336	--	--	--	--	--	--
SDev	5.741445	--	--	--	--	--	--
%RSD	.0906154	--	--	--	--	--	--
#1	6340	--	--	--	--	--	--
#2	6332	--	--	--	--	--	--

Analysis Report QC Standard 10/16/00 11:00:49 PM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/16/00 22:54:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	-.00169	-.00262	-.09777	.00071	-.00000	.00027
SDev	.00145	.00046	.00116	.00297	.00256	.00000	.00000
%RSD	327.98	27.387	44.179	3.0374	357.90	56.449	.11652
#1	-.00058	-.00201	-.00180	-.09567	.00252	-.00000	.00027
#2	.00147	-.00136	-.00344	-.09987	-.00109	-.00000	.00027
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00050	.02271	-.00000	.00051	.00099	.00215	.00286
SDev	.00031	.00023	.00020	.00072	.00027	.00007	.00394
%RSD	62.264	1.0007	9372.5	141.38	27.304	3.2464	138.08
#1	.00028	.02287	-.00014	.00000	.00080	.00219	.00564
#2	.00073	.02255	.00014	.00102	.00118	.00210	.00007
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00393	-.00096	.00016	.51571	-.00446	.00055
SDev	.00023	.00185	.00068	.00022	.02867	.00103	.00000
%RSD	20911.	47.014	70.578	141.38	5.5587	23.123	.35918
#1	-.00017	.00262	-.00048	.00000	.49544	-.00373	.00055
#2	.00016	.00524	-.00143	.00031	.53598	-.00519	.00055
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00033	-.00000	.00968	-.00290	-.00206	-.00134	.00133
SDev	.00000	.00000	.00453	.00158	.00032	.00169	.00133
%RSD	.04777	37.349	46.771	54.378	15.406	125.70	99.820
#1	-.00033	-.00000	.01288	-.00179	-.00184	-.00254	.00039
#2	-.00033	-.00001	.00648	-.00402	-.00229	-.00015	.00227
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00734	-.00619	.0010	<.0000	<.0000
SDev	.00436	.00287	.0014	.0000	.0026
%RSD	59.405	46.324	141.4	56.45	78.19
#1	.01042	-.00822	.0000	<.0000	<.0000
#2	.00426	-.00417	.0020	<.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6510	--	--	--	--	--	--
SDev	8.032637	--	--	--	--	--	--
%RSD	.1233968	--	--	--	--	--	--
#1	6504	--	--	--	--	--	--
#2	6515	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM09R Operator: KT
Run Time: 10/16/00 23:00:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06408	.00146	-.00322	263.65	.03655	2.0060	.00734
SDev	.00051	.00189	.00065	.54	.00137	.0019	.00011
%RSD	.79034	129.44	20.304	.20322	3.7404	.09405	1.4772
#1	.06372	.00012	-.00368	263.27	.03752	2.0047	.00727
#2	.06444	.00280	-.00276	264.03	.03558	2.0074	.00742
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00438	24.959	.27638	.12911	.14357	266.85	47.425
SDev	.00023	.004	.00030	.00109	.00007	.07	.111
%RSD	5.2869	.01521	.10981	.84435	.05222	.02783	.23419
#1	.00454	24.957	.27659	.12834	.14363	266.90	47.347
#2	.00421	24.962	.27617	.12988	.14352	266.80	47.504
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4247	.01095	.15475	-.00281	7.3125	.00664	11.486
SDev	.0044	.00376	.00108	.00008	.0308	.00754	.005
%RSD	.08081	34.286	.69463	2.8502	.42085	113.62	.04284
#1	5.4216	.01361	.15551	-.00286	7.3343	.00130	11.489
#2	5.4278	.00830	.15399	-.00275	7.2908	.01197	11.482
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.55243	.52910	.01130	-.00303	-.00360	.08051	.05587
SDev	.00050	.00184	.00923	.00051	.00094	.00255	.00052
%RSD	.09033	.34790	81.636	16.781	26.244	3.1720	.92308
#1	.55208	.52780	.00478	-.00339	-.00427	.07871	.05624
#2	.55279	.53041	.01783	-.00267	-.00293	.08232	.05551
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00411	.00014	.0356	.3706	3.530
SDev	.00064	.00316	.0015	.0003	.011
%RSD	15.690	2259.2	4.290	.0749	.3222
#1	.00457	-.00209	.0367	.3704	3.522
#2	.00365	.00237	.0345	.3708	3.538
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6391	--	--	--	--	--	--
SDev	15.92406	--	--	--	--	--	--
%RSD	.2491662	--	--	--	--	--	--
#1	6380	--	--	--	--	--	--
#2	6402	--	--	--	--	--	--

Analysis Report 10/16/00 11:14:46 PM

Method: QTESTNAK Sample Name: DM09V Operator: KT
Run Time: 10/16/00 23:08:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04309	-.00139	-.00086	117.44	.02007	.84359	.00402
SDev	.00028	.00018	.00282	.45	.00149	.00025	.00001
%RSD	.64299	12.945	329.25	.38235	7.4262	.02912	.35831
#1	.04289	-.00127	-.00285	117.12	.02112	.84376	.00403
#2	.04328	-.00152	.00114	117.76	.01902	.84342	.00401
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00235	25.576	.17088	.05325	.12247	147.67	33.365
SDev	.00055	.059	.00058	.00037	.00051	.17	.048
%RSD	23.295	.22973	.34105	.68729	.41643	.11555	.14340
#1	.00273	25.534	.17047	.05351	.12283	147.55	33.331
#2	.00196	25.617	.17129	.05299	.12210	147.79	33.399
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.0633	.00970	.08654	-.00250	4.9026	-.00207	12.115
SDev	.0035	.00003	.00101	.00014	.0837	.00256	.019
%RSD	.11341	.28303	1.1661	5.4720	1.7081	124.06	.15613
#1	3.0609	.00968	.08725	-.00240	4.9618	-.00025	12.102
#2	3.0658	.00972	.08582	-.00260	4.8433	-.00388	12.128
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.35525	.29380	.00038	-.00062	-.00132	.05395	.03767
SDev	.00102	.00030	.00449	.00441	.00037	.00243	.00163
%RSD	.28738	.10262	1191.7	709.29	28.137	4.5086	4.3265
#1	.35598	.29359	-.00280	-.00374	-.00106	.05567	.03651
#2	.35453	.29401	.00355	.00250	-.00159	.05223	.03882
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00091	-.00255	.0157	.3319	2.742
SDev	.00561	.00253	.0001	.0001	.002
%RSD	615.09	99.406	.3953	.0456	.0869
#1	.00488	-.00434	.0158	.3320	2.740
#2	-.00306	-.00076	.0157	.3318	2.744
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6612	--	--	--	--	--	--
SDev	26.13464	--	--	--	--	--	--
%RSD	.3952655	--	--	--	--	--	--
#1	6593	--	--	--	--	--	--
#2	6630	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM1A1 Operator: KT
Run Time: 10/16/00 23:16:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05396	.00138	-.00420	255.93	.03359	1.1477	.00655
SDev	.00215	.00511	.00776	.05	.00082	.0020	.00002
%RSD	3.9775	370.16	184.76	.01849	2.4501	.17178	.31095
#1	.05244	-.00223	-.00969	255.97	.03301	1.1491	.00657
#2	.05547	.00499	.00129	255.90	.03417	1.1463	.00654
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00482	37.102	.26824	.15225	.17871	292.22	71.138
SDev	.00009	.028	.00022	.00135	.00057	.24	.020
%RSD	1.8377	.07448	.08399	.88572	.31878	.08330	.02773
#1	.00476	37.082	.26808	.15320	.17911	292.05	71.124
#2	.00488	37.121	.26840	.15129	.17831	292.39	71.152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.9281	.01379	.22351	-.00340	10.565	.01276	16.080
SDev	.0007	.00007	.00206	.00036	.085	.01419	.009
%RSD	.00988	.48088	.92234	10.559	.80744	111.25	.05423
#1	6.9276	.01374	.22497	-.00315	10.625	.00272	16.074
#2	6.9286	.01383	.22205	-.00366	10.504	.02280	16.086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.58633	.57348	.00276	-.00476	-.00308	.07356	.04417
SDev	.00055	.00122	.00905	.01231	.00135	.00132	.00388
%RSD	.09313	.21256	327.80	258.73	43.782	1.7940	8.7764
#1	.58671	.57434	-.00364	-.01346	-.00213	.07450	.04143
#2	.58594	.57261	.00916	.00395	-.00404	.07263	.04691
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00907	-.00246	.0478	.4419	2.831
SDev	.00867	.01199	.0001	.0003	.007
%RSD	95.566	486.99	.3186	.0791	.2505
#1	.01520	-.01094	.0479	.4422	2.836
#2	.00294	.00601	.0477	.4417	2.826
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6525	--	--	--	--	--	--
SDev	20.78887	--	--	--	--	--	--
%RSD	.3185809	--	--	--	--	--	--
#1	6511	--	--	--	--	--	--
#2	6540	--	--	--	--	--	--

Analysis Report 10/16/00 11:30:51 PM page 1

Method: QTESTNAK Sample Name: DM1A3 Operator: KT
Run Time: 10/16/00 23:25:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07003	-.00441	-.00484	354.15	.04320	1.4413	.00963
SDev	.00180	.00452	.00374	.65	.00132	.0048	.00001
%RSD	2.5674	102.55	77.174	.18308	3.0539	.33334	.06108
#1	.06876	L-.00760	-.00749	353.69	.04226	1.4379	.00963
#2	.07130	-.00121	-.00220	354.61	.04413	1.4447	.00964
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00701	40.587	.41744	.13949	.23946	366.73	85.033
SDev	.00065	.115	.00154	.00067	.00093	.78	.309
%RSD	9.2854	.28325	.36792	.47800	.38678	.21334	.36309
#1	.00655	40.506	.41636	.13996	.24012	366.17	84.814
#2	.00748	40.668	.41853	.13902	.23881	367.28	85.251
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.9188	.01475	.27809	-.00302	13.731	.00430	18.319
SDev	.0237	.00179	.00023	.00000	.065	.00502	.040
%RSD	.40053	12.144	.08258	.13790	.47486	116.54	.21765
#1	5.9020	.01601	.27793	-.00302	13.777	.00076	18.291
#2	5.9355	.01348	.27826	-.00303	13.685	.00785	18.347
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.73434	.77585	.00827	-.00710	-.00033	.09406	.05804
SDev	.00292	.00216	.00450	.00513	.00095	.00196	.00367
%RSD	.39754	.27904	54.371	72.286	286.96	2.0826	6.3298
#1	.73228	.77432	.00509	-.01072	-.00100	.09544	.05544
#2	.73641	.77738	.01146	-.00347	.00034	.09267	.06063
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01556	-.01437	.0698	.5197	3.121
SDev	.00075	.00715	.0028	.0018	.020
%RSD	4.8122	49.735	3.958	.3544	.6350
#1	.01609	-.01943	.0717	.5184	3.107
#2	.01503	-.00932	.0678	.5210	3.135
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6519	--	--	--	--	--	--
SDev	5.374081	--	--	--	--	--	--
%RSD	.0824316	--	--	--	--	--	--
#1	6523	--	--	--	--	--	--
#2	6516	--	--	--	--	--	--

Analysis Report 10/16/00 11:38:53 PM

Method: QTESTNAK Sample Name: DM1A5 Operator: KT
Run Time: 10/16/00 23:33:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06161	L-.00956	-.00331	316.64	.03646	1.6322	.00874
SDev	.00057	.00110	.00066	.27	.00379	.0022	.00018
%RSD	.92087	11.508	20.021	.08482	10.394	.13373	2.0184
#1	.06201	L-.01034	-.00284	316.45	.03914	1.6338	.00887
#2	.06121	L-.00879	-.00377	316.83	.03378	1.6307	.00862
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00618	40.148	.29130	.14846	.22751	336.74	73.747
SDev	.00009	.010	.00087	.00043	.00020	.08	.095
%RSD	1.4691	.02587	.29788	.28969	.08619	.02449	.12817
#1	.00624	40.155	.29191	.14876	.22765	336.68	73.814
#2	.00612	40.140	.29068	.14815	.22737	336.80	73.680
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.5186	.01033	.18155	-.00414	9.2495	.00410	18.887
SDev	.0023	.00359	.00108	.00002	.0964	.01059	.001
%RSD	.03484	34.748	.59495	.50781	1.0420	258.28	.00663
#1	6.5202	.01287	.18232	-.00415	9.3176	-.00339	18.886
#2	6.5170	.00779	.18079	-.00412	9.1813	.01159	18.888
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.67094	.66163	.01269	-.00320	-.00353	.08407	.05039
SDev	.00131	.00055	.00008	.00045	.00109	.00353	.00091
%RSD	.19546	.08263	.65366	14.046	30.858	4.1961	1.8069
#1	.67187	.66124	.01275	-.00288	-.00276	.08656	.04975
#2	.67001	.66201	.01264	-.00351	-.00430	.08157	.05104
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.00250	-.01309	.0631	.4897	3.377
SDev	.01203	.00435	.0010	.0004	.003
%RSD	480.61	33.267	1.652	.0864	.0869
#1	-.01101	-.01001	.0623	.4900	3.375
#2	.00600	-.01617	.0638	.4894	3.379
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6492	--	--	--	--	--	--
SDev	38.52316	--	--	--	--	--	--
%RSD	.5933908	--	--	--	--	--	--
#1	6465	--	--	--	--	--	--
#2	6519	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM1A6 Operator: KT
Run Time: 10/16/00 23:38:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05287	.00028	-.00245	280.94	.02994	1.3961	.00764
SDev	.00226	.00264	.00313	.01	.00157	.0010	.00014
%RSD	4.2726	935.74	127.73	.00204	5.2469	.07145	1.8480
#1	.05127	-.00158	-.00024	280.95	.02883	1.3968	.00774
#2	.05447	.00215	-.00467	280.94	.03105	1.3954	.00755
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00513	31.569	.24734	.11207	.19236	293.04	61.564
SDev	.00041	.027	.00046	.00026	.00024	.01	.007
%RSD	7.9541	.08414	.18664	.23229	.12504	.00227	.01115
#1	.00541	31.550	.24702	.11225	.19219	293.04	61.559
#2	.00484	31.588	.24767	.11188	.19253	293.04	61.568
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1316	.01234	.14911	-.00356	8.5133	.00287	16.672
SDev	.0033	.00186	.00095	.00037	.0497	.02054	.003
%RSD	.06476	15.046	.63627	10.373	.58407	714.75	.01984
#1	5.1292	.01365	.14978	-.00330	8.5484	.01740	16.674
#2	5.1339	.01102	.14844	-.00382	8.4781	L-.01165	16.669
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.58162	.57697	.00870	-.00133	-.00471	.07428	.04218
SDev	.00179	.00134	.00001	.00320	.00301	.00008	.00343
%RSD	.30845	.23153	.11704	240.89	63.914	.11035	8.1259
#1	.58035	.57602	.00871	.00093	-.00258	.07433	.03976
#2	.58289	.57791	.00869	-.00359	-.00684	.07422	.04460
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00886	-.00400	.0566	.4019	2.991
SDev	.00068	.00430	.0001	.0001	.007
%RSD	7.7296	107.33	.1766	.0279	.2276
#1	.00935	-.00704	.0567	.4020	2.995
#2	.00838	-.00096	.0566	.4018	2.986
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6424	--	--	--	--	--	--
SDev	11.34202	--	--	--	--	--	--
%RSD	.1765564	--	--	--	--	--	--
#1	6416	--	--	--	--	--	--
#2	6432	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM1AA Operator: KT
Run Time: 10/16/00 23:47:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05139	-.00379	.00072	226.18	.03360	1.0191	.00647
SDev	.00186	.00144	.00135	.45	.00271	.0013	.00002
%RSD	3.6259	38.044	186.23	.19773	8.0765	.13053	.23459
#1	.05270	-.00481	-.00023	225.87	.03552	1.0200	.00648
#2	.05007	-.00277	.00168	226.50	.03168	1.0181	.00646
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00355	22.408	.22440	.09576	.16466	230.32	42.667
SDev	.00061	.014	.00122	.00029	.00049	.11	.007
%RSD	17.178	.06432	.54451	.29887	.29636	.04566	.01594
#1	.00398	22.397	.22526	.09596	.16431	230.24	42.672
#2	.00312	22.418	.22353	.09556	.16500	230.39	42.662
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.4043	.01275	.12675	-.00310	4.5316	.00530	13.886
SDev	.0024	.00003	.00029	.00044	.0472	.01115	.002
%RSD	.05338	.22276	.22618	14.120	1.0426	210.24	.01426
#1	4.4060	.01273	.12695	-.00279	4.5650	-.00258	13.887
#2	4.4027	.01277	.12654	-.00341	4.4982	.01319	13.884
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48621	.44182	.01517	.00199	-.00181	.06693	.04363
SDev	.00121	.00110	.00458	.00073	.00259	.00519	.00020
%RSD	.24985	.24893	30.157	36.568	143.48	7.7521	.46564
#1	.48535	.44260	.01841	.00147	-.00364	.07060	.04377
#2	.48707	.44105	.01194	.00250	.00003	.06326	.04348
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00123	-.00629	.0430	.2965	3.069
SDev	.00964	.00265	.0015	.0004	.001
%RSD	781.01	42.111	3.514	.1458	.0176
#1	-.00558	-.00442	.0440	.2968	3.070
#2	.00805	-.00817	.0419	.2961	3.069
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6502	--	--	--	--	--	--
SDev	14.65106	--	--	--	--	--	--
%RSD	.2253343	--	--	--	--	--	--
#1	6492	--	--	--	--	--	--
#2	6512	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM1AE Operator: KT
Run Time: 10/16/00 23:55:03
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04619	-.00076	-.00140	267.81	.02407	1.4310	.00732
SDev	.00207	.00137	.00318	.38	.00241	.0032	.00003
%RSD	4.4727	180.24	227.29	.14272	10.028	.22519	.45254
#1	.04765	-.00173	.00085	267.54	.02578	1.4333	.00735
#2	.04473	.00021	-.00365	268.08	.02237	1.4287	.00730
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00460	29.575	.32505	.08701	.15581	270.66	57.535
SDev	.00034	.026	.00123	.00016	.00042	.10	.124
%RSD	7.3095	.08712	.37835	.18388	.27135	.03758	.21502
#1	.00436	29.557	.32592	.08690	.15551	270.59	57.622
#2	.00484	29.593	.32419	.08713	.15611	270.74	57.447
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7575	.01160	.13606	-.00120	8.5625	.00965	13.212
SDev	.0027	.00364	.00198	.00036	.0332	.00413	.006
%RSD	.09844	31.384	1.4551	30.360	.38818	42.823	.04185
#1	2.7594	.01417	.13746	-.00094	8.5860	.01258	13.208
#2	2.7556	.00902	.13466	-.00146	8.5390	.00673	13.215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51156	.50935	.01690	-.00266	.00112	.06495	.03683
SDev	.00058	.00256	.00007	.00195	.00565	.00498	.00061
%RSD	.11303	.50251	.41009	73.443	502.28	7.6641	1.6628
#1	.51197	.51116	.01695	-.00128	.00512	.06847	.03726
#2	.51115	.50754	.01685	-.00404	-.00287	.06143	.03639
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00863	-.00545	.0569	.4384	3.315
SDev	.01082	.00746	.0017	.0011	.007
%RSD	125.44	136.93	2.942	.2462	.2253
#1	.01628	-.01073	.0580	.4392	3.320
#2	.00098	-.00017	.0557	.4377	3.309
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6514	--	--	--	--	--	--
SDev	30.03788	--	--	--	--	--	--
%RSD	.4611139	--	--	--	--	--	--
#1	6493	--	--	--	--	--	--
#2	6535	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM1AJ Operator: KT
Run Time: 10/17/00 00:03:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06413	-.00115	-.00057	301.46	.04038	1.5878	.00772
SDev	.00170	.00507	.00088	.29	.00485	.0036	.00001
%RSD	2.6465	439.66	156.20	.09603	12.022	.22398	.17861
#1	.06293	-.00474	-.00119	301.26	.03694	1.5853	.00773
#2	.06533	.00243	.00006	301.67	.04381	1.5903	.00771
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00520	25.174	.28168	.19231	.18843	299.58	57.096
SDev	.00039	.054	.00072	.00101	.00026	.30	.097
%RSD	7.5223	.21591	.25408	.52486	.13710	.09984	.17052
#1	.00492	25.136	.28218	.19160	.18825	299.36	57.027
#2	.00547	25.213	.28117	.19302	.18861	299.79	57.165
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.227	.01433	.17812	-.00413	6.7045	.00854	15.873
SDev	.017	.00005	.00100	.00023	.0698	.00267	.019
%RSD	.14696	.37473	.56129	5.5118	1.0409	31.262	.11672
#1	11.216	.01429	.17883	-.00429	6.7539	.00666	15.860
#2	11.239	.01436	.17741	-.00397	6.6552	.01043	15.886
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.60656	.55709	.00522	.00004	-.00178	.08711	.05266
SDev	.00030	.00132	.00462	.00134	.00003	.00063	.00286
%RSD	.04870	.23642	88.517	3193.9	1.7554	.71960	5.4262
#1	.60635	.55615	.00849	-.00091	-.00176	.08755	.05064
#2	.60677	.55802	.00195	.00099	-.00181	.08667	.05468
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.00785	-.00565	.0587	.3891	3.664
sDev	.00068	.00795	.0001	.0010	.004
%RSD	8.7076	140.74	.1765	.2534	.1034
#1	.00833	-.01127	.0587	.3884	3.661
#2	.00736	-.00003	.0586	.3898	3.667
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6425	--	--	--	--	--	--
SDev	11.34202	--	--	--	--	--	--
%RSD	.1765246	--	--	--	--	--	--
#1	6417	--	--	--	--	--	--
#2	6433	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM1AM Operator: KT
Run Time: 10/17/00 00:11:08
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04365	-.00182	-.00114	154.75	.02008	.99719	.00493
SDev	.00038	.00390	.00056	.02	.00311	.00056	.00002
%RSD	.86611	214.61	48.808	.01381	15.501	.05631	.33795
#1	.04338	.00094	-.00153	154.77	.01788	.99759	.00495
#2	.04392	-.00457	-.00074	154.74	.02228	.99679	.00492
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00352	23.169	.18820	.09445	.15583	177.86	33.352
SDev	.00002	.005	.00081	.00047	.00061	.12	.024
%RSD	.57391	.02181	.43099	.49711	.38933	.06571	.07326
#1	.00351	23.172	.18878	.09478	.15626	177.94	33.369
#2	.00354	23.165	.18763	.09412	.15541	177.78	33.334
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2688	.01141	.11057	-.00236	4.2097	.00373	12.242
SDev	.0022	.00185	.00026	.00015	.0278	.00599	.007
%RSD	.04184	16.211	.23781	6.5435	.66086	160.61	.05321
#1	5.2703	.01271	.11038	-.00247	4.2294	-.00051	12.238
#2	5.2672	.01010	.11075	-.00225	4.1901	.00797	12.247
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.38275	.36325	.01166	-.00145	-.00050	.05460	.03819
SDev	.00148	.00064	.01358	.00028	.00223	.00173	.00143
%RSD	.38644	.17496	116.44	19.179	443.24	3.1627	3.7420
#1	.38380	.36370	.00206	-.00126	-.00208	.05582	.03718
#2	.38171	.36280	.02126	-.00165	.00107	.05338	.03920
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00259	-.00402	.0299	.2907	3.617
SDev	.00279	.00445	.0027	.0003	.008
%RSD	107.54	110.87	9.059	.0870	.2210
#1	.00456	-.00087	.0280	.2908	3.611
#2	.00062	-.00716	.0318	.2905	3.623
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6525	--	--	--	--	--	--
SDev	24.15488	--	--	--	--	--	--
%RSD	.3701784	--	--	--	--	--	--
#1	6508	--	--	--	--	--	--
#2	6542	--	--	--	--	--	--

Analysis Report 10/17/00 00:25:01 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/17/00 00:19:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48229	.48762	.48000	23.970	.47207	1.9706	2.0112
SDev	.00018	.00732	.00406	.034	.00394	.0026	.0013
%RSD	.03722	1.5003	.84627	.14067	.83503	.12939	.06259
#1	.48216	.49279	.47713	23.994	.47486	1.9724	2.0121
#2	.48241	.48244	.48287	23.947	.46929	1.9688	2.0103
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48495	99.400	2.0080	1.9790	1.9241	24.950	99.847
SDev	.00164	.037	.0040	.0028	.0017	.012	.110
%RSD	.33764	.03682	.20124	.14174	.08967	.04942	.11000
#1	.48611	99.426	2.0109	1.9810	1.9253	24.941	99.925
#2	.48379	99.374	2.0052	1.9771	1.9229	24.959	99.769
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9970	1.9502	1.9741	.99495	49.120	.94897	2.0190
SDev	.0030	.0171	.0069	.00108	.094	.00618	.0005
%RSD	.15217	.87533	.35069	.10803	.19207	.65122	.02501
#1	1.9991	1.9382	1.9790	.99571	49.187	.94460	2.0194
#2	1.9948	1.9623	1.9692	.99419	49.053	.95334	2.0187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0053	2.0181	1.8840	.47882	.48236	.48329	.48179
SDev	.0016	.0079	.0214	.00711	.00205	.00240	.00147
%RSD	.07971	.38901	1.1366	1.4855	.42474	.49667	.30460
#1	2.0064	2.0237	1.8689	.47379	.48381	.48498	.48075
#2	2.0042	2.0126	1.8992	.48385	.48091	.48159	.48283
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.49321	.48482	1.928	2.033	1.874
SDev	.00425	.00885	.002	.004	.002
%RSD	.86084	1.8251	.1219	.1878	.0885
#1	.49621	.49108	1.926	2.036	1.873
#2	.49021	.47857	1.930	2.030	1.875
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6327	--	--	--	--	--	--
SDev	6.590111	--	--	--	--	--	--
%RSD	.1041648	--	--	--	--	--	--
#1	6322	--	--	--	--	--	--
#2	6331	--	--	--	--	--	--

Analysis Report QC Standard 10/17/00 00:33:04 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/17/00 00:27:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00060	-.00346	-.00133	-.11764	.00135	-.00000	.00035
SDev	.00044	.00130	.00069	.00233	.00248	.00000	.00013
%RSD	73.428	37.648	51.923	1.9826	184.35	89.915	35.318
#1	.00091	-.00254	-.00182	-.11599	-.00041	-.00000	.00027
#2	.00029	-.00438	-.00084	-.11929	.00310	-.00000	.00044
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	.02239	.00021	.00000	.00096	.00221	.00145
SDev	.00022	.00065	.00009	.00000	.00024	.01239	.00195
%RSD	95.095	2.8962	44.870	213.33	24.553	561.78	133.99
#1	.00007	.02285	.00014	-.00000	.00080	.01097	.00008
#2	.00038	.02193	.00027	.00000	.00113	-.00656	.00283
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00523	-.00096	-.00047	.49414	-.00792	.00110
SDev	.00023	.00003	.00068	.00007	.03750	.00152	.00000
%RSD	10355.	.55324	70.636	15.433	7.5879	19.190	.34764
#1	-.00017	.00525	-.00144	-.00042	.46763	-.00899	.00110
#2	.00016	.00521	-.00048	-.00052	.52065	-.00684	.00111
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00067	-.00001	.00329	-.00062	-.00275	-.00235	.00207
SDev	.00047	.00001	.00448	.00201	.00197	.00079	.00105
%RSD	70.677	134.65	135.87	325.31	71.553	33.604	50.865
#1	-.00033	-.00000	.00646	-.00204	-.00136	-.00291	.00281
#2	-.00100	-.00002	.00013	.00081	-.00414	-.00179	.00133
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00037	-.00500	.0000	<.0000	<.0000
SDev	.00087	.00238	.0000	.0001	.0024
%RSD	233.44	47.723	.0000	141.0	58.47
#1	-.00099	-.00331	.0000	<.0000	<.0000
#2	.00024	-.00668	.0000	<.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6521	--	--	--	--	--	--
SDev	22.96681	--	--	--	--	--	--
%RSD	.3522042	--	--	--	--	--	--
#1	6505	--	--	--	--	--	--
#2	6537	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM1AR Operator: KT
Run Time: 10/17/00 00:33:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05568	.00056	.00016	238.84	.03800	1.4903	.00699
SDev	.00019	.00878	.00056	.31	.00286	.0021	.00002
%RSD	.33786	1571.1	353.56	.12850	7.5402	.14331	.22711
#1	.05554	L-.00565	-.00024	239.05	.03597	1.4888	.00698
#2	.05581	.00677	.00055	238.62	.04002	1.4918	.00700
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00494	55.484	.25797	.10767	.20631	277.87	69.020
SDev	.00049	.060	.00010	.00030	.00037	.25	.114
%RSD	9.9567	.10815	.03870	.27578	.17969	.09086	.16466
#1	.00459	55.442	.25790	.10746	.20657	277.69	68.939
#2	.00529	55.527	.25804	.10788	.20605	278.04	69.100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.5993	.00871	.19608	-.00298	8.5357	.00870	13.388
SDev	.0012	.00547	.00176	.00015	.0339	.00271	.005
%RSD	.02103	62.773	.89824	5.0320	.39697	31.140	.03820
#1	5.5985	.01258	.19483	-.00287	8.5597	.01061	13.385
#2	5.6001	.00484	.19733	-.00308	8.5118	.00678	13.392
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.53886	.57860	.01999	.00370	-.00694	.07326	.04690
SDev	.00107	.00022	.00448	.00011	.00189	.00132	.00094
%RSD	.19936	.03851	22.409	3.0577	27.281	1.8025	2.0070
#1	.53962	.57876	.01682	.00378	-.00828	.07419	.04623
#2	.53810	.57844	.02316	.00362	-.00560	.07232	.04756
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00763	-.00297	.0421	.5385	2.403
SDev	.00279	.01178	.0015	.0005	.006
%RSD	36.582	396.23	3.511	.0939	.2626
#1	.00566	-.01130	.0410	.5381	2.398
#2	.00961	.00536	.0431	.5388	2.407
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6645	--	--	--	--	--	--
SDev	14.79262	--	--	--	--	--	--
%RSD	.2226121	--	--	--	--	--	--
#1	6655	--	--	--	--	--	--
#2	6635	--	--	--	--	--	--

Analysis Report 10/17/00 00:47:02 AM page 1

Method: QTESTNAK Sample Name: DM1AV Operator: KT
Run Time: 10/17/00 00:41:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05252	-.00069	.00250	259.67	.03685	1.5301	.00714
SDev	.00051	.00152	.00372	.08	.00227	.0002	.00002
%RSD	.97568	220.91	148.54	.03198	6.1587	.01362	.22216
#1	.05289	.00039	-.00013	259.61	.03845	1.5302	.00715
#2	.05216	-.00176	.00513	259.73	.03524	1.5299	.00713
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00631	70.649	.28077	.10796	.22206	291.74	80.888
SDev	.00026	.056	.00022	.00033	.00009	.03	.052
%RSD	4.2000	.07878	.08009	.30496	.03836	.00939	.06395
#1	.00650	70.609	.28093	.10819	.22200	291.72	80.852
#2	.00612	70.688	.28061	.10772	.22212	291.76	80.925
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5692	.01270	.20905	-.00308	10.779	.00940	17.526
SDev	.0048	.00542	.00310	.00021	.044	.00568	.004
%RSD	.10480	42.656	1.4804	6.8712	.40368	60.451	.02167
#1	4.5658	.01654	.21123	-.00293	10.748	.00538	17.524
#2	4.5726	.00887	.20686	-.00323	10.810	.01342	17.529
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.55982	.63337	.02426	.00368	.00014	.07169	.04295
SDev	.00058	.00089	.01328	.00705	.00295	.00210	.00181
%RSD	.10436	.14125	54.757	191.31	2156.6	2.9258	4.2265
#1	.55941	.63274	.01487	-.00130	.00223	.07021	.04424
#2	.56023	.63400	.03365	.00867	-.00195	.07317	.04167
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01635	-.00919	.0449	.6514	3.466
SDev	.00281	.00087	.0027	.0000	.002
%RSD	17.214	9.4981	5.935	.0017	.0522
#1	.01834	-.00858	.0431	.6514	3.465
#2	.01436	-.00981	.0468	.6514	3.467
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6649	--	--	--	--	--	--
SDev	14.25538	--	--	--	--	--	--
%RSD	.2143847	--	--	--	--	--	--
#1	6639	--	--	--	--	--	--
#2	6660	--	--	--	--	--	--

Analysis Report 10/17/00 00:55:05 AM page 1

Method: QTESTNAK Sample Name: DM1AX Operator: KT
Run Time: 10/17/00 00:49:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10835	.00193	.00013	200.25	.03490	1.5057	.00591
SDev	.00073	.00085	.00460	.20	.00106	.0034	.00009
%RSD	.67508	43.958	3423.5	.09929	3.0381	.22851	1.4709
#1	.10783	.00133	-.00312	200.39	.03564	1.5082	.00585
#2	.10887	.00252	.00339	200.11	.03415	1.5033	.00597
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00584	68.975	.24087	.87716	.20304	222.51	50.695
SDev	.00038	.109	.00086	.00181	.00027	.27	.085
%RSD	6.5200	.15830	.35851	.20611	.13094	.12170	.16789
#1	.00557	69.052	.24148	.87843	.20323	222.70	50.756
#2	.00611	68.898	.24026	.87588	.20285	222.32	50.635
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1788	.01586	.15045	-.00230	9.3773	.00504	14.699
SDev	.0064	.00187	.00035	.00021	.0987	.01015	.016
%RSD	.12355	11.813	.23044	9.1937	1.0523	201.31	.11173
#1	5.1834	.01454	.15069	-.00215	9.4470	-.00213	14.710
#2	5.1743	.01719	.15020	-.00245	9.3075	.01222	14.687
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.46742	.85185	.00909	.00071	-.00101	.12259	.10124
SDev	.00045	.00279	.00458	.00578	.00224	.00141	.00180
%RSD	.09559	.32753	50.363	819.24	222.17	1.1535	1.7806
#1	.46773	.85382	.00585	-.00338	-.00260	.12359	.09996
#2	.46710	.84987	.01232	.00480	.00058	.12159	.10251
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00532	.00023	.0484	.4657	4.600
SDev	.00642	.00447	.0003	.0008	.002
%RSD	120.74	1930.9	.6815	.1705	.0331
#1	.00986	-.00293	.0486	.4663	4.599
#2	.00078	.00340	.0481	.4652	4.601
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6449	--	--	--	--	--	--
SDev	43.95387	--	--	--	--	--	--
%RSD	.6815272	--	--	--	--	--	--
#1	6418	--	--	--	--	--	--
#2	6480	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM4MPB-0287270 Operator: KT
Run Time: 10/17/00 00:57:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00036	.00207	.00182	-.06093	H.01169	.00089	.00062
SDev	.00059	.00324	.00858	.05965	.01203	.00125	.00050
%RSD	163.16	156.72	470.86	97.887	102.90	140.98	81.056
#1	.00078	-.00022	.00789	-.01876	H.02020	.00177	.00098
#2	-.00006	.00436	-.00424	-.10311	.00319	.00000	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00288	.07371	.00782	.00784	.00696	H.27478	.05379
SDev	.00341	.03652	.01083	.01111	.00736	.37288	.08398
%RSD	118.46	49.544	138.55	141.66	105.72	135.70	156.12
#1	H.00529	.09953	H.01548	.01570	.01217	H.53845	.11317
#2	.00047	.04789	.00016	-.00001	.00176	.01112	-.00559
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00153	.00819	.00740	.00715	2.0061	H.01153	.00587
SDev	.00145	.01155	.01114	.00981	2.2298	.02335	.00519
%RSD	94.944	141.04	150.58	137.23	111.15	202.55	88.450
#1	.00256	.01636	.01527	H.01408	3.5828	H.02804	.00954
#2	.00050	.00002	-.00048	.00021	.42940	-.00498	.00220
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00927	.00345	.01943	.00730	-.00915	-.01791	.00949
SDev	.01453	.00323	.01852	.01869	.01168	.02743	.01458
%RSD	156.71	93.596	95.299	256.12	127.67	153.11	153.69
#1	.01954	.00574	.03252	.02051	-.01740	-.03731	.01980
#2	-.00100	.00117	.00634	-.00592	-.00089	.00148	-.00082
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00084	.00352	.0093	.0003	.0340
SDev	.02148	.00587	.0160	.0004	.0346
%RSD	2542.8	166.71	172.2	140.7	101.5
#1	-.01604	.00767	.0206	.0005	.0585
#2	.01435	-.00063	<.0000	.0000	.0096
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6381	--	--	--	--	--	--
SDev	88.58619	--	--	--	--	--	--
%RSD	1.388263	--	--	--	--	--	--
#1	6318	--	--	--	--	--	--
#2	6444	--	--	--	--	--	--

Analysis Report 10/17/00 01:11:10 AM

Method: QTESTNAK Sample Name: DM4MPC Operator: KT
Run Time: 10/17/00 01:05:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46319	1.7337	.46290	1.8613	1.7492	1.9608	.04976
SDev	.00404	.0075	.00112	.0052	.0165	.0071	.00021
%RSD	.87142	.43431	.24127	.27899	.94507	.36191	.42500
#1	.46033	1.7283	.46211	1.8577	1.7375	1.9558	.04961
#2	.46604	1.7390	.46369	1.8650	1.7609	1.9658	.04991
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.4000	.35000	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04868	49.605	.20338	.49685	.24387	.99906	48.676
SDev	.00015	.248	.00125	.00272	.00088	.00562	.208
%RSD	.31255	.49904	.61543	.54829	.36162	.56239	.42747
#1	.04857	49.430	.20249	.49492	.24325	.99509	48.528
#2	.04879	49.780	.20426	.49877	.24450	1.0030	48.823
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49891	.97011	.48650	.04898	47.070	1.8935	1.0407
SDev	.00234	.01593	.00249	.00044	.280	.0219	.0044
%RSD	.47009	1.6422	.51200	.89699	.59557	1.1575	.42075
#1	.49725	.95885	.48474	.04867	46.871	1.8780	1.0376
#2	.50057	.98138	.48826	.04929	47.268	1.9090	1.0438
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49915	.48748	1.8703	.45870	.47131	.46427	.46265
SDev	.00411	.00238	.0171	.00349	.00364	.00266	.00472
%RSD	.82366	.48931	.91421	.76127	.77242	.57248	1.0212
#1	.49624	.48580	1.8582	.45623	.47388	.46239	.45930
#2	.50206	.48917	1.8824	.46117	.46873	.46615	.46599
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.7094	1.7458	L.4691	L.4853	5.034
SDev	.0063	.0082	.0027	.0018	.027
%RSD	.36594	.46774	.5852	.3779	.5322
#1	1.7049	1.7400	L.4671	L.4840	5.015
#2	1.7138	1.7516	L.4710	L.4866	5.053
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6220	--	--	--	--	--	--
SDev	22.37261	--	--	--	--	--	--
%RSD	.3596941	--	--	--	--	--	--
#1	6204	--	--	--	--	--	--
#2	6236	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM1D8 Operator: KT
Run Time: 10/17/00 01:15:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08426	L-.00851	.00040	253.00	.07694	3.2066	.00820
SDev	.00574	.00211	.00092	.25	.00115	.0078	.00004
%RSD	6.8152	24.785	230.03	.09969	1.4896	.24320	.44832
#1	.08832	L-.00702	.00105	253.18	.07613	3.2010	.00823
#2	.08020	L-.01001	-.00025	252.82	.07775	3.2121	.00817
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00873	205.82	.38819	.13758	.37208	318.95	114.44
SDev	.00022	.34	.00180	.00081	.00110	.24	.40
%RSD	2.5002	.16441	.46463	.58499	.29499	.07538	.34520
#1	.00889	205.58	.38691	.13815	.37286	318.78	114.16
#2	.00858	206.06	.38946	.13701	.37131	319.12	114.72
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4754	.01192	.38076	-.00280	45.296	-.00011	15.283
SDev	.0234	.00347	.00040	.00013	.212	.00356	.012
%RSD	.42817	29.083	.10386	4.7897	.46730	3281.6	.07748
#1	5.4589	.01437	.38104	-.00271	45.446	.00241	15.275
#2	5.4920	.00947	.38048	-.00290	45.146	-.00263	15.292
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.56609	.70465	.01472	.00015	.00091	.10405	.07438
SDev	.00053	.00197	.00006	.00148	.00020	.00928	.00397
%RSD	.09370	.27937	.41499	1015.3	22.248	8.9230	5.3431
#1	.56571	.70326	.01477	.00119	.00076	.11062	.07719
#2	.56646	.70604	.01468	-.00090	.00105	.09749	.07157
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001651

Units			ppm	ppm	ppm
Avge	.01250	-.01901	.1085	2.269	2.024
SDev	.00552	.00041	.0009	.006	.007
%RSD	44.122	2.1524	.8070	.2426	.3631
#1	.01641	-.01872	.1078	2.266	2.019
#2	.00860	-.01930	.1091	2.273	2.029
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6770	--	--	--	--	--	--
SDev	30.09451	--	--	--	--	--	--
%RSD	.4445012	--	--	--	--	--	--
#1	6749	--	--	--	--	--	--
#2	6792	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM1DQ Operator: KT
n Time: 10/17/00 01:21:22
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07466	-.00494	.00343	209.02	.07967	1.6628	.00729
SDev	.00076	.00155	.00098	.11	.00124	.0044	.00003
%RSD	1.0210	31.337	28.659	.05060	1.5551	.26359	.38515
#1	.07412	-.00385	.00273	208.94	.08054	1.6597	.00731
#2	.07520	L-.00604	.00412	209.09	.07879	1.6659	.00727
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00552	41.784	.33834	.15497	.33616	306.01	83.173
SDev	.00034	.081	.00096	.00066	.00188	.45	.276
%RSD	6.2413	.19378	.28262	.42841	.56062	.14676	.33182
#1	.00527	41.727	.33766	.15450	.33750	305.69	82.978
#2	.00576	41.842	.33901	.15544	.33483	306.33	83.368
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.9468	.01644	.28235	-.00326	26.114	.00661	16.294
SDev	.0253	.00177	.00093	.00001	.014	.00636	.008
%RSD	.36439	10.751	.32758	.21916	.05386	96.189	.04772
#1	6.9289	.01769	.28170	-.00326	26.104	.00211	16.289
#2	6.9647	.01519	.28300	-.00325	26.124	.01110	16.300
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.58597	.63064	.00628	.00358	.00313	.09469	.06466
SDev	.00052	.00286	.00458	.00109	.00514	.00162	.00195
%RSD	.08806	.45302	72.904	30.543	164.22	1.7156	3.0216
#1	.58633	.62862	.00951	.00435	-.00050	.09584	.06328
#2	.58560	.63266	.00304	.00280	.00676	.09354	.06604
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00501	-.00991	.0470	.5557	2.069
SDev	.00133	.00166	.0012	.0015	.008
%RSD	26.617	16.709	2.618	.2682	.3788
#1	.00595	-.00874	.0461	.5547	2.063
#2	.00407	-.01108	.0479	.5568	2.074
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6498	--	--	--	--	--	--
SDev	25.39922	--	--	--	--	--	--
%RSD	.3908607	--	--	--	--	--	--
#1	6480	--	--	--	--	--	--
#2	6516	--	--	--	--	--	--

Analysis Report 10/17/00 01:35:16 AM page 1

Method: QTESTNAK Sample Name: DM1DQP Operator: KT
Run Time: 10/17/00 01:29:25
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07942	L-.01676	L.00215	207.51	L.08293	1.7030	.00887
SDev	.00022	.02760	.00174	.17	.02027	.0027	.00001
%RSD	.27800	164.71	81.155	.08089	24.447	.15848	.06014
#1	.07926	L-.03627	L.00338	207.39	L.09726	1.7049	.00888
#2	.07957	L.00276	L.00092	207.63	L.06859	1.7010	.00887
Errors	LC Pass	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00289	43.495	.35067	.15991	.33225	319.66	86.971
SDev	.00026	.124	.00282	.00382	.00323	.08	.130
%RSD	8.8292	.28619	.80354	2.3901	.97327	.02419	.14988
#1	L.00271	43.407	.35266	.16261	.33454	319.72	87.063
#2	L.00308	43.583	.34868	.15720	.32997	319.61	86.879
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.2828	L.03884	.29170	L-.00329	28.559	L.00184	16.921
SDev	.0041	.00927	.00312	.00222	.055	.01758	.018
%RSD	.05652	23.859	1.0711	67.425	.19270	956.88	.10758
#1	7.2799	L.03228	.28949	L-.00486	28.520	L.01427	16.908
#2	7.2857	L.04539	.29391	L-.00172	28.598	L-.01060	16.934
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.59461	.71611	L.03156	.00675	-.00706	.09028	.07399
SDev	.00055	.00466	.02269	.00144	.00812	.01021	.00477
%RSD	.09279	.65108	71.882	21.382	115.02	11.310	6.4418
#1	.59500	.71941	L.04761	.00573	-.00132	.08306	.07736
#2	.59422	.71281	L.01552	.00777	-.01281	.09750	.07062
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00838	-.02094	L.0450	.5665	2.157
SDev	.00751	.03763	.0070	.0011	.007
%RSD	89.659	179.71	15.63	.1918	.3059
#1	-.01369	-.04755	L.0400	.5673	2.152
#2	-.00307	.00567	L.0499	.5657	2.161
Errors	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6503	--	--	--	--	--	--
SDev	5.685166	--	--	--	--	--	--
%RSD	.0874229	--	--	--	--	--	--
#1	6499	--	--	--	--	--	--
#2	6507	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM1DQS Operator: KT
Run Time: 10/17/00 01:35:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51204	1.6485	.14684	249.47	1.7380	5.7060	.05300
SDev	.00698	.0069	.00033	.03	.0056	.0072	.00007
%RSD	1.3626	.41709	.22266	.01016	.31987	.12594	.13343
#1	.50710	1.6437	.14660	249.45	1.7419	5.7009	.05305
#2	.51697	1.6534	.14707	249.49	1.7340	5.7111	.05295
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05357	100.64	.53424	.60938	.60281	309.90	133.03
SDev	.00020	.25	.00058	.00019	.00016	.18	.34
%RSD	.36591	.24984	.10841	.03094	.02612	.05858	.25357
#1	.05343	100.46	.53383	.60951	.60292	309.77	132.79
#2	.05371	100.82	.53464	.60925	.60270	310.03	133.27
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.3099	.88637	.73168	.04401	74.902	1.7894	18.622
SDev	.0186	.00127	.00007	.00006	.014	.0116	.005
%RSD	.25474	.14292	.00977	.13749	.01847	.64956	.02677
#1	7.2967	.88726	.73163	.04397	74.912	1.7812	18.626
#2	7.3231	.88547	.73173	.04405	74.892	1.7976	18.619
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0779	1.1140	1.6596	.14266	.15519	.53357	.50128
SDev	.0013	.0014	.0222	.00251	.00406	.00413	.00840
%RSD	.11689	.12718	1.3401	1.7632	2.6139	.77441	1.6751
#1	1.0770	1.1130	1.6439	.14089	.15806	.53065	.49535
#2	1.0788	1.1150	1.6753	.14444	.15232	.53649	.50722
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.6505	1.6475	.4852	1.252	3.592
SDev	.0091	.0149	.0026	.002	.001
%RSD	.55274	.90217	.5363	.1557	.0345
#1	1.6570	1.6370	.4834	1.251	3.591
#2	1.6441	1.6580	.4871	1.253	3.593
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6227	--	--	--	--	--	--
SDev	23.41946	--	--	--	--	--	--
%RSD	.3761099	--	--	--	--	--	--
#1	6210	--	--	--	--	--	--
#2	6243	--	--	--	--	--	--

Analysis Report 10/17/00 01:49:14 AM page 1

Method: QTESTNAK Sample Name: DM1DQD Operator: KT
Run Time: 10/17/00 01:43:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51319	1.6266	.15468	249.17	1.7346	4.2202	.05379
SDev	.00106	.0048	.00100	.14	.0011	.0038	.00004
%RSD	.20569	.29210	.64914	.05658	.06566	.08889	.07519
#1	.51244	1.6300	.15397	249.27	1.7338	4.2175	.05376
#2	.51393	1.6232	.15539	249.07	1.7354	4.2228	.05382
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05258	97.039	.54528	.61645	.60133	321.88	133.77
SDev	.00020	.065	.00037	.00106	.00061	.12	.24
%RSD	.37576	.06669	.06827	.17284	.10149	.03678	.17739
#1	.05272	96.993	.54502	.61569	.60176	321.80	133.60
#2	.05244	97.085	.54554	.61720	.60090	321.97	133.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.8475	.89496	.74544	.04297	73.633	1.7676	19.063
SDev	.0195	.00791	.00255	.00017	.233	.0088	.005
%RSD	.24807	.88379	.34236	.40722	.31608	.49877	.02544
#1	7.8337	.88937	.74363	.04310	73.797	1.7614	19.066
#2	7.8612	.90056	.74724	.04285	73.468	1.7739	19.059
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0976	1.1609	1.6743	.15378	.15646	.53618	.50171
SDev	.0013	.0017	.0118	.00280	.00259	.00590	.00453
%RSD	.12024	.14362	.70760	1.8207	1.6573	1.1001	.90238
#1	1.0966	1.1598	1.6659	.15180	.15830	.54035	.49851
#2	1.0985	1.1621	1.6826	.15576	.15463	.53201	.50491
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.6207	1.6295	.4848	1.121	3.652
SDev	.0116	.0129	.0005	.001	.008
%RSD	.71699	.79317	.0973	.1087	.2188
#1	1.6125	1.6387	.4851	1.120	3.646
#2	1.6289	1.6204	.4845	1.122	3.658
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6420	--	--	--	--	--	--
SDev	25.20104	--	--	--	--	--	--
%RSD	.3925138	--	--	--	--	--	--
#1	6403	--	--	--	--	--	--
#2	6438	--	--	--	--	--	--

Analysis Report 10/17/00 01:57:16 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/17/00 01:51:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48479	.49241	.48722	24.223	.47142	1.9954	2.0254
SDev	.00230	.00123	.00249	.063	.00822	.0003	.0003
%RSD	.47354	.24951	.51106	.25918	1.7431	.01267	.01559
#1	.48641	.49154	.48898	24.267	.47723	1.9952	2.0252
#2	.48316	.49327	.48546	24.178	.46561	1.9955	2.0256
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48802	99.948	2.0230	1.9936	1.9509	25.120	100.98
SDev	.00219	.070	.0030	.0020	.0030	.048	.04
%RSD	.44819	.07045	.14799	.10061	.15452	.18964	.03673
#1	.48957	99.998	2.0252	1.9950	1.9530	25.154	101.01
#2	.48647	99.898	2.0209	1.9922	1.9487	25.086	100.96
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0123	1.9575	1.9887	1.0044	49.692	.96252	2.0395
SDev	.0030	.0204	.0008	.0033	.294	.00222	.0004
%RSD	.14992	1.0421	.03824	.32850	.59232	.23027	.01947
#1	2.0144	1.9431	1.9882	1.0067	49.900	.96095	2.0398
#2	2.0101	1.9719	1.9892	1.0020	49.484	.96408	2.0392
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0274	2.0359	1.9121	.48428	.49310	.48565	.48436
SDev	.0013	.0012	.0073	.00483	.00219	.00165	.00262
%RSD	.06526	.05746	.38274	.99642	.44369	.33905	.54087
#1	2.0283	2.0367	1.9173	.48769	.49156	.48681	.48621
#2	2.0264	2.0350	1.9070	.48087	.49465	.48448	.48251
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.50379	.48672	1.947	2.047	1.847
SDev	.00392	.00011	.002	.001	.003
%RSD	.77707	.02312	.0877	.0483	.1843
#1	.50102	.48680	1.946	2.048	1.849
#2	.50656	.48664	1.948	2.047	1.844
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6277	--	--	--	--	--	--
SDev	8.655152	--	--	--	--	--	--
%RSD	.1378877	--	--	--	--	--	--
#1	6271	--	--	--	--	--	--
#2	6283	--	--	--	--	--	--

Analysis Report QC Standard 10/17/00 02:05:19 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/17/00 01:59:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00127	-.00032	-.00226	-.10522	.00161	.00000	.00027
SDev	.00112	.00111	.00078	.00376	.00147	.00000	.00000
%RSD	88.207	348.19	34.411	3.5690	91.356	6812.7	.00911
#1	-.00048	.00047	-.00281	-.10256	.00265	.00000	.00027
#2	-.00205	-.00110	-.00171	-.10787	.00057	-.00000	.00027
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	.02312	.00043	-.00051	.00061	-.00655	.00569
SDev	.00020	.00041	.00019	.00073	.00026	.00616	.00404
%RSD	381.16	1.7825	45.545	141.54	42.209	94.024	70.905
#1	-.00009	.02341	.00029	-.00103	.00043	-.01091	.00855
#2	.00020	.02282	.00056	.00000	.00080	-.00220	.00284
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	.00395	-.00048	-.00042	.42618	.00152	.00082
SDev	.00000	.00187	.00000	.00015	.00090	.00316	.00039
%RSD	.89111	47.478	.00000	35.507	.21018	208.28	46.759
#1	.00017	.00527	-.00048	-.00052	.42681	.00375	.00110
#2	.00016	.00262	-.00048	-.00031	.42555	-.00072	.00055
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00067	.00000	.00001	-.00155	-.00368	-.00243	-.00068
SDev	.00047	.00001	.00004	.00046	.00325	.00067	.00134
%RSD	70.565	984.71	819.84	29.820	88.476	27.650	196.25
#1	-.00100	.00001	-.00003	-.00122	-.00598	-.00196	.00026
#2	-.00033	-.00000	.00004	-.00187	-.00138	-.00291	-.00163
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00728	-.00411	.0020	.0001	<.0000
SDev	.01021	.00344	.0000	.0001	.0016
%RSD	140.32	83.576	.2230	141.9	19.06
#1	.01450	-.00654	.0020	.0002	<.0000
#2	.00006	-.00168	.0020	<.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6495	--	--	--	--	--	--
SDev	14.48153	--	--	--	--	--	--
%RSD	.2229575	--	--	--	--	--	--
#1	6485	--	--	--	--	--	--
#2	6505	--	--	--	--	--	--

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/13/00
Time: 12:10:54

BATCH NUMBER: **0287268**

PREP DATE: 10/13/00
DUE DATE 10/17/00

INITIALS:

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J110284	DM091	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM093	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM098	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM09M	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
	DM09MS		1.01 g	_____g	_____g	_____g
	DM09MD		1.0 g	_____g	_____g	_____g
E0J110284	DM09R	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM09V	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1A1	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1A3	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1A5	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1A6	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AA	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AE	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AJ	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AM	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/13/00
Time: 12:10:54

BATCH NUMBER: **0287268**

PREP DATE: 10/13/00
DUE DATE 10/17/00

INITIALS: _____

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J110284	DM1AR	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AV	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AX	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J130000	DM4L5B	01	X 1.0 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DM4L5C		1.03 g	_____g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE CD CO CR CU MO NI PB SB SE TL VX ZN

	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 1:					
MS/MSD 2:					
MS/MSD 3:					
CHECK :					
CHECK DUP:					
STANDARD NUMBERS	_____	_____	____	___	___

001666

BOE-C6-0164858

STL LOS ANGELES

Précis
Metals Preparation

Batch: 0287268

The following information applies to all samples associated with the above batch number.

Prepared By: [signature]
Reviewed By: [signature]

Date/Time Initiated: 10/13/00 1800
Date/Time Completed: 10/14/00 1645

Hot Plate/Block # 1 Temp* 95 °C Thermometer # M-H-04
*Thermometer correction applied. (CF +1.0 °C)

Spike Standards for LCS and MS/MSD samples.

	Volume	Lot #	Exp. Date
1. QSPK1A	1.0 mL	QSPK1A-091200-1	08/2002
2. QSPK1B	1 mL	QSKP1B-072000-1	07/2001
3. QSPK2A	1 mL	QSPK2A 072000-1	04/2002
4. QSPK2B	0.05 mL	QCAL6B-112299-1	05/2001

Reagents	Volume	Lot #
HNO_3	10.0 mL	6623 T09A058
H_2O_2	4.0 mL	5240T15A01
HCl	10.0 mL	5587 N41A07

SOP No. CORP-IP-0002, Revision 2, Date: 7/2/99

Method 3050B

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 HNO_3 .
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
Step 6. Reduce volume to approx. 5 mL or heat for 2 hours. – 8:30 P.M.
Step 7. Cool and add 2 mL of water and 3 Ml of 30% H_2O_2.
Step 8. Heat until effervescence subsides.
Step 9. Cool and add 1 mL H_2O_2 with heat effervescence is minimal.
Step 10. Reduce volume to approx. 5 mL or heat for 2 hours.
Step 11. Add 10 mL of conc. HCl and heat for 15 min.
Step 12. Cool, rinse and filter sample with DI water.
Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____
Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:
Relinquished By: [signature] Date: 10/14/00 Received By: [signature] Date: 10/16/00

N:\inorganics\metals\forms\Q_prep
10/06/00

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

Mercury
Instrument ID: Leeman PS200 – M03
Leeman PS200 – M04

Analyst: JGA
Analytical Date: 10/17/00
Data File: HG01017B
Corr. Coeff.: 0.9999

Analysis by SOP: 7470 - 245.1 - CORP-MT-0005SA Rev 1.1 ___
7471 - 245.5 - CORP-MT-0007SA Rev 1.1 ✓

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0287273	EOJ100274	10/18/00		L3
	EOJ100266			
	EOJ110284			L3
0287274	EOJ110292			L3
	EOJ120326			L3
	EOJ120324			L3
	EOJ120326			L3
0287276	EOJ120324			L3

7

Calibration Stds:
Preparation: Date 10/14/00 Time 1200
Calibration Stock Standard Concentration 10000 mg/L Lot# Hg-060800 Exp. Date 05/02
Intermediate Standard – 10000ug/L – requires 1000X dilution of Stock Std.
Cal Working Standard - 100ug/L - requires 100X dilution of Intermediate Std.
Std.1 - 0.2 ug/L 500X dilution of Cal Working Standard (0.2mL to 100mL)
Std.2 - 0.5 ug/L 200X dilution of Cal Working Standard (0.5mL to 100mL)
Std.3 - 1.0 ug/L 100X dilution of Cal Working Standard (1.0mL to 100mL)
Std.4 - 5.0 ug/L 20X dilution of Cal Working Standard (5.0mL to 100mL)
Std.5 - 10 ug/L 10X dilution of Cal Working Standard (10.0mL to 100mL)
Calibration Check Stds:
CRA - 0.2 ug/L - 500X dilution of Cal Working Standard (0.2mL to 100mL)
ICV Stock Standard Concentration 1000 mg/mL Lot# Hg-061300 Exp. Date 07/2001
ICV Working Standard - 500 ug/L - two dilutions of ICV Stock -first 100X then a 20X
ICV - 2.5 ug/L - 200X dilution of ICV Working Standard (0.5mL to 100mL)
CCV - 5.0 ug/L - 20X dilution of Cal Working Standard (5.0mL to 100mL)

Notes/Comments:

N:\metals\forms\dscs.doc
06/22/00

BOE-C6-0164860

FURNACE DATA SHEET

File: HG01017B Element: HG__ Instrument: LEEMAN HG_____

Start Run Date: 10/17/00 End Run Date: 10/17/00

Correlation Coefficient: _=1.000000 Slope: __0.000000 Intercept: __0.000000

0.9999 10/18/00

Concentration Units: ug/L

1 of 3

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1	S0	16:16	1.00		0.0000				
2	S0.2	16:17	1.00		0.2000				
3	S0.5	16:19	1.00		0.5000				
4	S1	16:21	1.00		1.0000				
5	S5	16:23	1.00		5.0000				
6	S10	16:25	1.00		10.0000				
7	S0.2	16:31	1.00		0.2000				
8	ICV	16:34	1.00		2.6300	105			
9	ICB	16:36	1.00		-0.0130			ND	
10	DM4Q4B	16:38	1.00		-0.0150			ND	
11	DM4Q4C	16:39	1.00		4.8100	96		0.802	
12	DLW61	16:41	1.00		0.8830			0.147	
13	DLW4AS	16:43	1.00		0.9740	97		0.162	
14	DLW4AD	16:45	1.00		1.0300	103		0.172	
15	DLW4C	16:47	1.00		0.0210			ND	
16	DM091	16:48	1.00		0.0300			ND	
7	DM093	16:50	1.00		-0.0440			ND	
18	DM098	16:52	1.00		0.1900			0.032	
19	CCV1	16:54	1.00		5.1000	102			
20	CCB1	16:56	1.00		-0.0170			ND	
21	DM09M	16:57	1.00		0.2290			0.038	
22	DM09R	16:59	1.00		0.0560			ND	
23	DM09V	17:01	1.00		0.0490			ND	
24	DM1A1	17:03	1.00		0.1380			0.023	
25	DM1A3	17:04	1.00		0.3720			0.062	
26	DM1A5	17:06	1.00		0.1570			0.026	
27	DM1A6	17:08	1.00		0.1680			0.028	
28	DM1AA	17:10	1.00		-0.0680			ND	
29	DM1AE	17:12	1.00		0.3400			0.057	
30	CCV2	17:14	1.00		5.1800	104			
31	CCB2	17:15	1.00		-0.0260			ND	
32	DM1AJ	17:17	1.00		0.0990			ND	
33	DM1AM	17:19	1.00		0.0510			ND	
34	DM1AR	17:21	1.00		0.2120			0.035	
35	DM1AV	17:23	1.00		0.2030			0.034	
36	DM1AX	17:24	1.00		0.1680			0.028	
37	DM4Q6B	17:26	1.00		-0.1240			ND	
38	DM4Q6C	17:28	1.00		5.0000	100		0.833	
39	DM1D8	17:30	1.00		0.4290			0.072	
40	DM1DQ	17:32	1.00		0.1310			0.022	

Analyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01017B Element: HG__ Instrument: LEEMAN HG_____

Start Run Date: 10/17/00 End Run Date: 10/17/00

Correlation Coefficient: _~~=1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/18/00 JT

Concentration Units: Ug/L

2 of 3

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
41	DM1DQS	17:34	1.00		1.1500	115		0.192	
42	CCV3	17:35	1.00		5.1200	102			
43	CCB3	17:37	1.00		-0.0250			ND	
44	DM1DQD	17:39	1.00		1.1600	116		0.193	
45	DM1EA	17:41	1.00		0.2190			0.036	
46	DM1EE	17:43	1.00		0.3440			0.057	
47	DM1EG	17:45	1.00		0.2490			0.042	
48	DM1EQ	17:47	1.00		0.6610			0.110	
49	DM1ET	17:49	1.00		0.2050			0.034	
50	DM3J6	17:50	1.00		0.1880			0.031	
51	DM3KP	17:52	1.00		0.1230			0.020	
52	DM3KV	17:54	1.00		0.4750			0.079	
53	CCV4	17:56	1.00		5.0400	101			
54	CCB4	17:58	1.00		0.0990			ND	
55	DM3L4	18:00	1.00		0.4090			0.068	
56	DM4RDB	18:02	1.00		0.0530			ND	
57	DM4RDC	18:03	1.00		4.2800	86		0.713	
58	DM3J0	18:05	1.00		0.6460			0.108	
59	DM3J2	18:07	1.00		0.1900			0.032	
60	DM3J3	18:09	1.00		0.0550			ND	
61	DM3J4	18:11	1.00		0.2420			0.040	
62	DM3J5	18:13	1.00		0.4750			0.079	
63	DM3J7	18:15	1.00		0.1900			0.032	
64	DM3J8	18:17	1.00		0.0870			ND	
65	CCV5	18:19	1.00		5.0200	100			
66	CCB5	18:21	1.00		-0.0290			ND	
67	DM3J9	18:23	1.00		0.2840			0.047	
68	DM3JG	18:25	1.00		0.1320			0.022	
69	DM3JGS	18:26	1.00		1.2400	124		0.207	
70	DM3JGD	18:28	1.00		1.0700	107		0.178	
71	DM3JM	18:30	1.00		0.3170			0.053	
72	DM3JR	18:32	1.00		0.3700			0.062	
73	DM3JV	18:34	1.00		0.1020			0.017	
74	DM3JX	18:36	1.00		0.0990			ND	
75	DM3KC	18:38	1.00		0.2900			0.048	
76	CCV6	18:40	1.00		5.0600	101			
77	CCB6	18:42	1.00		-0.0340			ND	
78	DM3KD	18:44	1.00		0.1690			0.028	
79	DM3KF	18:46	1.00		0.2390			0.040	
80	DM3KG	18:48	1.00		0.2360			0.039	

Analyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

3 of 3

File: HG01017B Element: HG__ Instrument: LEEMAN HG_____

Start Run Date: 10/17/00 End Run Date: 10/17/00

Correlation Coefficient: _~~=1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/18/00 JV

Concentration Units: ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
81	DM3KK	18:50	1.00		0.2370			0.040	
82	DM3KM	18:52	1.00		0.2540			0.042	
83	DM3KQ	18:54	1.00		0.2070			0.034	
84	DLW4A	18:56	1.00		-0.1150			ND	
85	CCV	18:58	1.00		5.1000	102			
86	CCB	19:00	1.00		-0.0250			ND	
87									
88									
89									
90									
91									
92									
93									
94									
95									
96									
97									
98									
99									
100									

Analyst: JGA_____ QC Reviewer: _____

*** Standard: 1 Rep: 1 Seq: 0 16:16:10 17 Oct 2000 HG

Hg .000 ppb 488

*** Standard: 2 Rep: 1 Seq: 1 16:17:58 17 Oct 2000 HG

Hg .200 ppb 5924

*** Standard: 3 Rep: 1 Seq: 2 16:19:48 17 Oct 2000 HG

Hg .500 ppb 29446

*** Standard: 4 Rep: 1 Seq: 3 16:21:37 17 Oct 2000 HG

Hg 1.00 ppb 52158

*** Standard: 5 Rep: 1 Seq: 4 16:23:27 17 Oct 2000 HG

Hg 5.00 ppb 279031

*** Standard: 6 Rep: 1 Seq: 5 16:25:31 17 Oct 2000 HG

Hg 10.0 ppb 542396

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 2 Rep: 1 Seq: 6 16:31:11 17 Oct 2000 HG

Hg .200 ppb 10872

RunProt: HG-A | Err: Prep needs maintenance | Mode: Analyze

RunFold: HG010170 Seq: 7 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

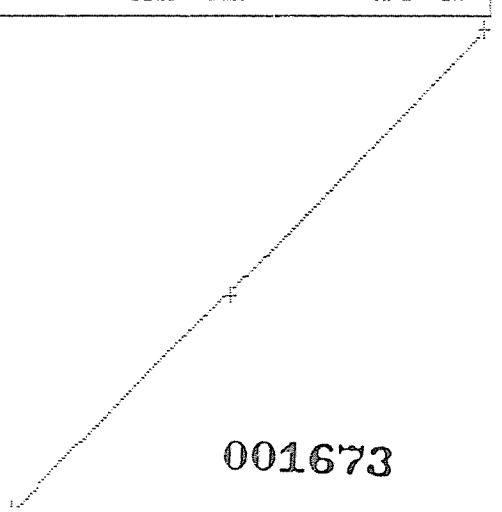
Rev: 4.2 16:31:32 17 Oct 2000 Xmit: Off Gas: 0.70 LPM

Idle None User: JGA A/S: On

CALIBRATION: Line | proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear	
S1	.000	-.007	-.007	Quadratic	
S2	.200	.183	-.017	Wtdlinear	
S3	.500	.525	.025		C
S4	1.00	.942	-.058	Accept	o
S5	5.00	5.11	.110		n
S6	10.0	9.95	-.052		c

A .00000000 r .999881



001673

B	1.03719E-3	C	-1.04400E-2	

Mean

Relative Absorbance

S1	488	0 SD	488
S2	10872	0 %RSD	10872
S3	29446	0 %RSD	29446
S4	52158	0 %RSD	52158
S5	279031	0 %RSD	279031
S6	542396	0 %RSD	542396

New cal coefficients stored

16:34:10 17 Oct 2000 Folder: HG01017B Protocol: HG-A Page 20

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICV Seq: 7 16:34:10 17 Oct 2000 HG

Hg	2.63	ppb	.000	2.63

*** Sample ID: ICB Seq: 8 16:36:16 17 Oct 2000 HG

Hg	-.013	ppb	.000	-.013

*** Sample ID: DM4Q4B Seq: 9 16:38:01 17 Oct 2000 HG

Hg	-.015	ppb	.000	-.015

*** Sample ID: DM4Q4C Seq: 10 16:39:54 17 Oct 2000 HG

001674

Hg	4.81	ppb	.000	4.81

*** Sample ID: DLW61 Seq: 11 16:41:38 17 Oct 2000 HG

Hg .000 ppb .000 .000

*** Sample ID: DLW4AB Seq: 12 16:43:21 17 Oct 2000 HG

Hg .974 ppb .000 .974

*** Sample ID: DLW4AD Seq: 13 16:45:14 17 Oct 2000 HG

Hg 1.03 ppb .000 1.03

*** Sample ID: DLW4C Seq: 14 16:47:09 17 Oct 2000 HG

Hg .021 ppb .000 .021

*** Sample ID: DM091 Seq: 15 16:48:57 17 Oct 2000 HG

Hg .030 ppb .000 .030

*** Sample ID: DM093 Seq: 16 16:50:43 17 Oct 2000 HG

Hg -.044 ppb .000 -.044

*** Sample ID: DM098 Seq: 17 16:52:27 17 Oct 2000 HG

Hg .190 ppb .000 .190

*** Sample ID: CCV1 Seq: 18 16:54:23 17 Oct 2000 HG

Hg 5.10 ppb .000 5.10

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCB1 Seq: 19 16:56:08 17 Oct 2000 HG

Hg -.017 ppb .000 -.017

*** Sample ID: DM09M Seq: 20 16:57:53 17 Oct 2000 HG

Hg .229 ppb .000 .229

*** Sample ID: DM09R Seq: 21 16:59:37 17 Oct 2000 HG

Hg .056 ppb .000 .056

*** Sample ID: DM09V Seq: 22 17:01:20 17 Oct 2000 HG

Hg .049 ppb .000 .049

*** Sample ID: DM1A1 Seq: 23 17:03:15 17 Oct 2000 HG

*** Sample ID: DM1A3 Seq: 24 17:04:59 17 Oct 2000 HG

Hg .372 ppb .000 .372

*** Sample ID: DM1A5 Seq: 25 17:06:52 17 Oct 2000 HG

Hg .157 ppb .000 .157

*** Sample ID: DM1A6 Seq: 26 17:08:50 17 Oct 2000 HG

Hg .168 ppb .000 .168

*** Sample ID: DM1AA Seq: 27 17:10:35 17 Oct 2000 HG

Hg -.068 ppb .000 -.068

*** Sample ID: DM1AE Seq: 28 17:12:20 17 Oct 2000 HG

Hg .340 ppb .000 .340

*** Sample ID: CCV2 Seq: 29 17:14:14 17 Oct 2000 HG

Hg 5.18 ppb .000 5.18

*** Sample ID: CCB2 Seq: 30 17:15:58 17 Oct 2000 HG

Hg -.026 ppb .000 -.026

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM1AJ Seq: 31 17:17:43 17 Oct 2000 HG

Hg .099 ppb .000 .099

*** Sample ID: DM1AM Seq: 32 17:19:27 17 Oct 2000 HG

Hg .051 ppb .000 .051

*** Sample ID: DM1AR Seq: 33 17:21:17 17 Oct 2000 HG

Hg .212 ppb .000 .212

*** Sample ID: DM1AV Seq: 34 17:23:06 17 Oct 2000 HG

Hg .203 ppb .000 .203

*** Sample ID: DM1AX Seq: 35 17:24:50 17 Oct 2000 HG

*** Sample ID: DM4Q6B Seq: 36 17:26:39 17 Oct 2000 HG

Hg -.124 ppb .000 -.124

*** Sample ID: DM4Q6C Seq: 37 17:28:26 17 Oct 2000 HG

Hg 5.00 ppb .000 5.00

*** Sample ID: DM1D8 Seq: 38 17:30:15 17 Oct 2000 HG

Hg .429 ppb .000 .429

*** Sample ID: DM1DQ Seq: 39 17:32:03 17 Oct 2000 HG

Hg .131 ppb .000 .131

*** Sample ID: DM1DQS Seq: 40 17:34:08 17 Oct 2000 HG

Hg 1.15 ppb .000 1.15

*** Sample ID: CCV3 Seq: 41 17:35:58 17 Oct 2000 HG

Hg 5.12 ppb .000 5.12

*** Sample ID: CCB3 Seq: 42 17:37:46 17 Oct 2000 HG

Hg -.025 ppb .000 -.025

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM1DQD Seq: 43 17:39:57 17 Oct 2000 HG

Hg 1.16 ppb .000 1.16

*** Sample ID: DM1EA Seq: 44 17:41:57 17 Oct 2000 HG

Hg .219 ppb .000 .219

*** Sample ID: DM1EE Seq: 45 17:43:45 17 Oct 2000 HG

Hg .344 ppb .000 .344

*** Sample ID: DM1EG Seq: 46 17:45:31 17 Oct 2000 HG

Hg .249 ppb .000 .249

*** Sample ID: DM1EQ Seq: 47 17:47:17 17 Oct 2000 HG

Hg .001 ppb .000 .001

*** Sample ID: DM1ET Seq: 48 17:49:07 17 Oct 2000 HG

Hg .205 ppb .000 .205

*** Sample ID: DM3J6 Seq: 49 17:50:54 17 Oct 2000 HG

Hg .188 ppb .000 .188

*** Sample ID: DM3KP Seq: 50 17:52:44 17 Oct 2000 HG

Hg .123 ppb .000 .123

*** Sample ID: DM3KV Seq: 51 17:54:37 17 Oct 2000 HG

Hg .475 ppb .000 .475

*** Sample ID: CCV4 Seq: 52 17:56:29 17 Oct 2000 HG

Hg 5.04 ppb .000 5.04

*** Sample ID: CCB4 Seq: 53 17:58:31 17 Oct 2000 HG

Hg .099 ppb .000 .099

*** Sample ID: DM3L4 Seq: 54 18:00:23 17 Oct 2000 HG

Hg .409 ppb .000 .409

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM4RDB Seq: 55 18:02:11 17 Oct 2000 HG

Hg .053 ppb .000 .053

*** Sample ID: DM4RDC Seq: 56 18:03:58 17 Oct 2000 HG

Hg 4.28 ppb .000 4.28

*** Sample ID: DM3J0 Seq: 57 18:05:47 17 Oct 2000 HG

Hg .646 ppb .000 .646

*** Sample ID: DM3J2 Seq: 58 18:07:34 17 Oct 2000 HG

Hg .190 ppb .000 .190

*** Sample ID: DM3J3 Seq: 59 18:09:41 17 Oct 2000 HG

*** Sample ID: DM3J4 Seq: 60 18:11:29 17 Oct 2000 HG

Hg .242 ppb .000 .242

*** Sample ID: DM3J5 Seq: 61 18:13:27 17 Oct 2000 HG

Hg .475 ppb .000 .475

*** Sample ID: DM3J7 Seq: 62 18:15:15 17 Oct 2000 HG

Hg .190 ppb .000 .190

*** Sample ID: DM3J8 Seq: 63 18:17:09 17 Oct 2000 HG

Hg .087 ppb .000 .087

*** Sample ID: CCV5 Seq: 64 18:19:01 17 Oct 2000 HG

Hg 5.02 ppb .000 5.02

*** Sample ID: CCB5 Seq: 65 18:21:02 17 Oct 2000 HG

Hg -.029 ppb .000 -.029

*** Sample ID: DM3J9 Seq: 66 18:23:11 17 Oct 2000 HG

Hg .284 ppb .000 .284

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM3J6 Seq: 67 18:25:05 17 Oct 2000 HG

Hg .132 ppb .000 .132

*** Sample ID: DM3J6S Seq: 68 18:26:59 17 Oct 2000 HG

Hg 1.24 ppb .000 1.24

*** Sample ID: DM3J6D Seq: 69 18:28:50 17 Oct 2000 HG

Hg 1.07 ppb .000 1.07

*** Sample ID: DM3JM Seq: 70 18:30:39 17 Oct 2000 HG

Hg .317 ppb .000 .317

*** Sample ID: DM3JR Seq: 71 18:32:38 17 Oct 2000 HG

*** Sample ID: DM3JV Seq: 72 18:34:33 17 Oct 2000 HG

Hg .102 ppb .000 .102

*** Sample ID: DM3JX Seq: 73 18:36:46 17 Oct 2000 HG

Hg .099 ppb .000 .099

*** Sample ID: DM3KC Seq: 74 18:38:42 17 Oct 2000 HG

Hg .290 ppb .000 .290

*** Sample ID: CCV6 Seq: 75 18:40:46 17 Oct 2000 HG

Hg 5.06 ppb .000 5.06

*** Sample ID: CCB6 Seq: 76 18:42:46 17 Oct 2000 HG

Hg -.034 ppb .000 -.034

*** Sample ID: DM3KD Seq: 77 18:44:42 17 Oct 2000 HG

Hg .169 ppb .000 .169

*** Sample ID: DM3KF Seq: 78 18:46:45 17 Oct 2000 HG

Hg .239 ppb .000 .239

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM3KG Seq: 79 18:48:41 17 Oct 2000 HG

Hg .236 ppb .000 .236

*** Sample ID: DM3KK Seq: 80 18:50:43 17 Oct 2000 HG

Hg .237 ppb .000 .237

*** Sample ID: DM3KM Seq: 81 18:52:34 17 Oct 2000 HG

Hg .254 ppb .000 .254

*** Sample ID: DM3KG Seq: 82 18:54:37 17 Oct 2000 HG

Hg .207 ppb .000 .207

*** Sample ID: DLW4A Seq: 83 18:56:33 17 Oct 2000 HG

Hg ---- ppb ---- ----

*** Sample ID: CCV Seq: 84 18:58:26 17 Oct 2000 HG

Hg 5.10 ppb .000 5.10

*** Sample ID: CCB Seq: 85 19:00:21 17 Oct 2000 HG

Hg -.025 ppb .000 -.025

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/13/00
Time: 12:10:23

BATCH NUMBER: 0287273

PREP DATE: 10/14/00
DUE DATE 10/16/00

INITIALS: [illegible]

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J100274	DLW61	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100266	DLW4A	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
	DLW4AS		_____g	0.61 g	_____g	_____g
	DLW4AD		_____g	0.61 g	_____g	_____g
E0J100266	DLW4C	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM091	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM093	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM098	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM09M	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM09R	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM09V	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1A1	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1A3	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1A5	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1A6	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AA	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			

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DUE DATE 10/16/00

INITIALS:

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J110284	DM1AE	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AJ	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AM	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AR	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AV	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110284	DM1AX	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J130000	DM4Q4B	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DM4Q4C		_____g	0.63 g	_____g	_____g

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LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: F.V. = 100ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0287273

The following information applies to all samples associated with the above batch number.

Prepared By: _____ Date/Time Initiated: 10/14/00 1200

Reviewed By: _____ Date/Time Completed: 1 1 1230

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058 10/17/00
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: _____ Date: 10/17/00 Received By: _____ Date: 10/17/00

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08/19/00

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/13/00
Time: 12:10:30

BATCH NUMBER: 0287274

PREP DATE: 10/14/00
DUE DATE 10/17/00

INITIALS: [illegible]

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J110292	DM1D8	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110292	DM1DQ	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
	DM1DQS		_____g	0.61 g	_____g	_____g
	DM1DQD		_____g	0.61 g	_____g	_____g
E0J110292	DM1EA	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110292	DM1EE	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110292	DM1EG	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110292	DM1EQ	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110292	DM1ET	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J120326	DM3J6	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J120326	DM3KP	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J120324	DM3KV	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J120326	DM3L4	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J130000	DM4Q6B	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DM4Q6C		_____g	0.62 g	_____g	_____g

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/13/00
Time: 12:10:30

BATCH NUMBER: 0287274

PREP DATE: 10/14/00
DUE DATE 10/17/00 INITIALS: _____

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS	_____	_____	____	___	___

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0287274

The following information applies to all samples associated with the above batch number.

Prepared By: [signature]

Reviewed By: [signature]

Date/Time Initiated: 10/14/00 1300

Date/Time Completed: 1330

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

10/17/00 [signature]

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.

Step 2. Heat for 2 min. at 95 °C ±5 °C.

Step 3. Cool

Step 4. Add 50 mL of DI water and mix.

Step 3. Add 15 mL of $KMnO_4$ and mix.

Step 4. Add 8 mL of $K_2S_2O_8$ and mix

Step 5. Heat at 95 °C ±5 °C for 30 min.

Step 6. Cool

Step 7. Add 6 mL of NH_2OH-HCl and mix.

Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 10/14/00 Received By: [signature] Date: 10/14/00

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08/19/00

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/13/00
Time: 12:10:37

BATCH NUMBER: **0287276**

PREP DATE: 10/14/00
DUE DATE 10/18/00

INITIALS: JJ

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J120324 SOLID	DM3J0 TO DUE DATE: 10/18/00	01	_____g	X 0.61 g	_____g	_____g
E0J120324 SOLID	DM3J2 TO DUE DATE: 10/18/00	01	_____g	X 0.61 g	_____g	_____g
E0J120324 SOLID	DM3J3 TO DUE DATE: 10/18/00	01	_____g	X 0.59 g	_____g	_____g
E0J120324 SOLID	DM3J4 TO DUE DATE: 10/18/00	01	_____g	X 0.59 g	_____g	_____g
E0J120324 SOLID	DM3J5 TO DUE DATE: 10/18/00	01	_____g	X 0.60 g	_____g	_____g
E0J120324 SOLID	DM3J7 TO DUE DATE: 10/18/00	01	_____g	X 0.60 g	_____g	_____g
E0J120324 SOLID	DM3J8 TO DUE DATE: 10/18/00	01	_____g	X 0.61 g	_____g	_____g
E0J120324 SOLID	DM3J9 TO DUE DATE: 10/18/00	01	_____g	X 0.59 g	_____g	_____g
E0J120324 SOLID	DM3JG TO DUE DATE: 10/18/00	01	_____g	X 0.61 g	_____g	_____g
	DM3JGS		_____g	0.61 g	_____g	_____g
	DM3JGD		_____g	0.61 g	_____g	_____g
E0J120324 SOLID	DM3JM TO DUE DATE: 10/18/00	01	_____g	X 0.59 g	_____g	_____g
E0J120324 SOLID	DM3JR TO DUE DATE: 10/18/00	01	_____g	X 0.59 g	_____g	_____g
E0J120324 SOLID	DM3JV TO DUE DATE: 10/18/00	01	_____g	X 0.61 g	_____g	_____g
E0J120324 SOLID	DM3JX TO DUE DATE: 10/18/00	01	_____g	X 0.61 g	_____g	_____g
E0J120324 SOLID	DM3KC TO DUE DATE: 10/18/00	01	_____g	X 0.61 g	_____g	_____g

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/13/00
Time: 12:10:37

BATCH NUMBER: **0287276**

PREP DATE: 10/14/00
DUE DATE 10/18/00

INITIALS: JY

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J120324	DM3KD	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J120324	DM3KF	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J120324	DM3KG	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J120324	DM3KK	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J120324	DM3KM	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J120324	DM3KQ	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/18/00			
E0J130000	DM4RDB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DM4RDC		_____g	0.62 g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0287276

The following information applies to all samples associated with the above batch number.

Prepared By: [signature]

Reviewed By: [signature]

Date/Time Initiated: 10/14/00 / 1400

Date/Time Completed: [illegible] / 1430

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

10/17/00 [signature]

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.

Step 2. Heat for 2 min. at 95 °C ±5 °C.

Step 3. Cool

Step 4. Add 50 mL of DI water and mix.

Step 3. Add 15 mL of $KMnO_4$ and mix.

Step 4. Add 8 mL of $K_2S_2O_8$ and mix

Step 5. Heat at 95 °C ±5 °C for 30 min.

Step 6. Cool

Step 7. Add 6 mL of NH_2OH-HCl and mix.

Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 10/17/00 Received By: [signature] Date: 10/17/00

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08/19/00