Harding Lawson Associates

February 18, 1999

42633.2

Mr. John Prall
Associate Environmental Scientist
Port of Oakland
530 Water Street
Oakland, California 94607

Quarterly Groundwater Monitoring and Product Recovery Report
4th Quarter of 1998
2277 Seventh Street
Oakland, California

Dear Mr. Prall:

This Quarterly Groundwater Monitoring and Product Recovery Report has been prepared by Harding Lawson Associates (HLA) on behalf of the Port of Oakland for the groundwater monitoring and the operations and maintenance of the product recovery system at 2277 Seventh Street in Oakland, California (Plate 1).

This report summarizes monitoring and sampling of six groundwater monitoring wells, MW-2, MW-4, MW-5, MW-6, MW-7, and MW-8, and operation and maintenance of the product recovery system on monitoring wells MW-1, MW-6, and MW-3 during the fourth quarter of 1998 (Plate 2). The monitoring wells were installed at the site to assess groundwater quality following the removal of underground storage tanks (USTs) from the site in September 1993. The former USTs consisted of two 10,000-gallon gasoline tanks (CF-17 and CF-18), one 500-gallon oil tank (CF-19), and one 300-gallon waste oil tank (CF-20).

MONITORING AND SAMPLING OF MONITORING WELLS

The groundwater monitoring and sampling was performed on November 6, 1998. The monitoring wells were initially gauged for depth to water and checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were observed in monitoring wells MW-1, MW-3, and MW-8. Groundwater and product level measurements are summarized in Table 1 and groundwater elevations are presented on Plate 3.

After the depth to water measurements were recorded, the monitoring wells not containing separate phase hydrocarbons were purged using a PVC bailer. Approximately three casing volumes of water were removed, until pH, conductivity, and temperature readings stabilized. The depth to water and field parameter measurements were recorded on Groundwater Sampling Forms. The Groundwater Sampling Forms are included in Appendix A.

Groundwater samples were collected from the monitoring wells using a Teflon disposable bailer and then transferred into laboratory-provided containers. The sample containers were labeled with the sample number, date and time of collection, and sampler's initials, and were placed on ice in an insulted cooler. Purge water was placed in a labeled drum and stored inside the product recovery compound.

LABORATORY ANALYSIS GROUNDWATER SAMPLES

The samples were sent under chain-of-custody procedures to Curtis and Tompkins, Ltd. in Berkeley, California. The samples were analyzed using standard methodology for the following:

- TPH as gasoline (TPHg) by Modified EPA Method 8015.
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl t-butyl ether (MTBE) by Method 8021B.
- TPH as diesel (TPHd) by Modified EPA Method 8015 following a silica-gel cleanup procedure.
- TPH as motor oil (TPHmo) by Modified EPA Method 8015 following a silica gel cleanup procedure.

The laboratory results for the groundwater samples are summarized in Table 2 and are shown on Plate 4. Copies of the laboratory results and chain-of-custody forms are provided in Appendix B.

FINDINGS

Results of the November 6, 1998, groundwater monitoring and sampling are summarized below:

- Separate-phase hydrocarbons were observed in monitoring wells MW-1, MW-3, & MW-8.
- TPHg was reported at a concentration of 120 micro grams per liter (µg/l) in MW-6 and was not detected in MW-2, MW-4, MW-5, and MW-7.
- Benzene was reported at a concentration of 250 µg/l in MW-4, at 19 µg/l in MW-6 and was not detected in MW-2, MW-5, and MW-7.
- Toluene was reported at a concentration of 1.7 µg/l in MW-4, at 0.65 µg/l in MW-6 and was not detected in MW-2, MW-5, and MW-7.
- Ethylbenzene was reported at a concentration of 1.8 µg/l in MW-6 and was not detected in MW-2, MW-4, MW-5, and MW-7.
- Xylenes were not detected in any of the samples collected.
- TPHd was reported at a concentration of 12,000 µg/l in MW-6 and was not detected in MW-2, MW-4, MW-5, and MW-7.
- TPHmo was reported at a concentration of 1,200 µg/l in MW-6 and was not detected in MW-2, MW-4, MW-5, and MW-7.

PRODUCT RECOVERY SYSTEM

The product recovery system consists of an air-actuated (active) product skimmer that is located in MW-3 and two passive product skimmers located in MW-1 and MW-6. During the fourth quarter of 1998, separate phase product was not observed in MW-6. Product was removed from the passive skimmer in MW- 1 during each site visit during this reporting period. The total volume of product recovered from this well during the 4th quarter of 1998 was 1.2 gallons. The active skimmer removed an estimated 500 gallons of product from MW-3. A summary of the activities associated with the operation and maintenance of the product recovery system is presented in Table 3.

If you have any questions, please contact James McCarty at (510) 628-3220.

Yours very truly,

HARDING LAWSON ASSOCIATES

James G. McCarty
Project Engineer

James G. McClure
Civil Engineer

JGM/jgm/mlw 42633\037090L

Attachments: Table 1 – Groundwater Elevations and Product Removal Data
Table 2 – Groundwater Sample Results
Table 3 – Summary of Operation and Maintenance Activities
Plate 1 – Vicinity Map
Plate 2 – Site Plan
Plate 3 – Groundwater Elevations, November 6, 1998
Plate 4 – Groundwater Sample Results, November 6, 1998
Appendix A - Groundwater Sampling Forms
Appendix B - Laboratory Reports

APPENDIX A

GROUNDWATER SAMPLE FORMS

Harding Lawson Associates
Engineering and
Environmental Services

GROUND-WATER SAMPLING FORM

Job Name 2277 7th St.
Job Number 42633-2
Recorded by James M'Carty (Signature)

Well No. MW-2
Well Type: ☑ Monitor ☐ Extraction ☐ Other ____
Well Material: ☑ PVC ☐ St. Steel ☐ Other ____
Date 11/6/98 Time 12:15
Sampled by JGM (Initials)

WELL PURGING

PURGE VOLUME

Casing Diameter (D in inches):
☑ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other ____
Total Depth of Casing (TD in feet BTOC): 15.27
Water Level Depth (WL in feet BTOC): 9.43
Number of Well Volumes to be purged (# Vols)
☑ 3 ☐ 4 ☐ 5 ☐ 10 ☐ Other ____

PURGE METHOD

☑ Bailer - Type: PVC
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.: ____
☐ Other - Type: ____

PUMP INTAKE SETTING

☐ Near Bottom ☐ Near Top ☐ Other ____
Depth in feet (BTOC): ____ Screen Interval in Feet (BTOC) from ____ to ____

PURGE VOLUME CALCULATION:

$(15.27 - 9.43) \times 2^2 \times 3 \times 0.0408 = 2.9$ gallons

(TD (feet) − WL (feet)) × D (inches)² × # Vols × 0.0408 = Calculated Purge Volume

PURGE TIME

____ Start ____ Stop ____ Elapsed

PURGE RATE

Initial ____ gpm Final ____ gpm

ACTUAL PURGE VOLUME

4 gallons

FIELD PARAMETER MEASUREMENT

Minutes ~~Since~~ Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☑ °F	Other ____
gal to	7.11	2000	60.9	
1	7.19	2000	61.1	
2	7.10	2000	62.9	
4	7.11	2000	62.7	

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☐ °F	Other ____
Meter Nos.				

Observations During Purging (Well Condition, Turbidity, Color, Odor): No sheen
Discharge Water Disposal: ☐ Sanitary Sewer ☐ Storm Sewer ☑ Other Drum on site

WELL SAMPLING

SAMPLING METHOD

☑ Bailer - Type: Teflon
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.: ____
☐ Same As Above
☐ Grab - Type: ____
☐ Other - Type: ____

SAMPLING DISTRIBUTION

Sample Series: ____

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
MW-2	2 Ambers	TPHd & mo	—	C&T	Silica gel cleanup
	4 VOAs	TPHg, BTEX, MTBE	HCL	"	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.

Other Samples

Type	Sample No.
Trip	Trip

Harding Lawson Associates
Engineering and
Environmental Services

GROUND-WATER SAMPLING FORM

Job Name 2277 7th St
Job Number 42633-2
Recorded by James McCarty (Signature)

Well No. MW-4
Well Type: ☒ Monitor ☐ Extraction ☐ Other ____
Well Material: ☒ PVC ☐ St. Steel ☐ Other ____
Date 11/6/98 Time 12:50
Sampled by JGM (Initials)

WELL PURGING

PURGE VOLUME

Casing Diameter (D in inches):
☒ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other ____
Total Depth of Casing (TD in feet BTOC): 18.84
Water Level Depth (WL in feet BTOC): 8.69
Number of Well Volumes to be purged (# Vols)
☒ 3 ☐ 4 ☐ 5 ☐ 10 ☐ Other ____

PURGE METHOD

☒ Bailer - Type: PVC
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.: ____
☐ Other - Type: ____

PUMP INTAKE SETTING

☐ Near Bottom ☐ Near Top ☐ Other ____
Depth in feet (BTOC): ____ Screen Interval in Feet (BTOC) from ____ to ____

PURGE VOLUME CALCULATION:

$(18.8 - 8.7) \times 2^2 \times 3 \times 0.0408 = 4.9$ gallons

(TD (feet) − WL (feet)) × D (inches)² × # Vols × 0.0408 = Calculated Purge Volume

PURGE TIME

____ Start ____ Stop ____ Elapsed

PURGE RATE

Initial ____ gpm Final ____ gpm

ACTUAL PURGE VOLUME

6 gallons

FIELD PARAMETER MEASUREMENT

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☒ °F	Other ____
gal to	7.16	1300	60.6	
2	7.12	1500	60.9	
4	7.13	1700	61.1	
6	7.12	1700	60.9	

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☐ °F	Other ____
Meter Nos.				

Observations During Purging (Well Condition, Turbidity, Color, Odor): No Sheen, organic odor
Discharge Water Disposal: ☐ Sanitary Sewer ☐ Storm Sewer ☒ Other drum on site

WELL SAMPLING

SAMPLING METHOD

☒ Bailer - Type: Teflon
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.: ____
☐ Same As Above
☐ Grab - Type: ____
☐ Other - Type: ____

SAMPLING DISTRIBUTION

Sample Series: ____

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
MW-4	2 Ambers	TPHd & MO	—	C+T	Silica-gel cleanup
	4 VOAs	TPHg, BTEX & MTBE	HCL	"	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No	Duplicate Sample No.
MW-4	Dup

Blank Samples

Type	Sample No.

Other Samples

Type	Sample No.
Trip	Trip

Harding Lawson Associates
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Environmental Services

GROUND-WATER SAMPLING FORM

Job Name 2277 7th St.
Job Number 42633-2
Recorded by James McCord (Signature)

Well No. MW-5
Well Type: ☑ Monitor ☐ Extraction ☐ Other
Well Material: ☑ PVC ☐ St. Steel ☐ Other
Date 11/6/99 Time 11:50
Sampled by (Initials)

WELL PURGING

PURGE VOLUME

Casing Diameter (D in inches):
☑ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other
Total Depth of Casing (TD in feet BTOC): 17.69
Water Level Depth (WL in feet BTOC): 9.56
Number of Well Volumes to be purged (# Vols)
☑ 3 ☐ 4 ☐ 5 ☐ 10 ☐ Other

PURGE METHOD

☐ Bailer - Type:
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.:
☐ Other - Type:

PUMP INTAKE SETTING

☐ Near Bottom ☐ Near Top ☐ Other
Depth in feet (BTOC): _____ Screen Interval in Feet (BTOC) from _____ to _____

PURGE VOLUME CALCULATION

$(17.7 - 9.6) \times 2^2 \times 3 \times 0.0408 = 4.0$ gallons

(TD (feet) − WL (feet)) × D (inches)² × # Vols × 0.0408 = Calculated Purge Volume

PURGE TIME

_____ Start _____ Stop _____ Elapsed

PURGE RATE

Initial _____ gpm Final _____ gpm

ACTUAL PURGE VOLUME

4 gallons

FIELD PARAMETER MEASUREMENT

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☑ °F	Other
Galt 0	6.92	1000	62.9	
2	6.90	2300	63.3	
3	6.88	2300	63.1	
4	6.89	2300	62.9	

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☐ °F	Other
Meter Nos.				

Observations During Purging (Well Condition, Turbidity, Color, Odor): No sheen
Discharge Water Disposal: ☐ Sanitary Sewer ☐ Storm Sewer ☑ Other drum on site

WELL SAMPLING

SAMPLING METHOD

☑ Bailer - Type: Teflon
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.:
☐ Same As Above
☐ Grab - Type:
☐ Other - Type:

SAMPLING DISTRIBUTION

Sample Series:

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
MW-5	2 Ambers	TPHd, MO	—	C+T	silica gel cleanup
	4 VOAs	TPHg, BTEX, MTBE	HCL	"	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No	Duplicate Sample No.

Blank Samples

Type	Sample No.

Other Samples

Type	Sample No.
Trip	Trip

Harding Lawson Associates
Engineering and
Environmental Services

GROUND-WATER SAMPLING FORM

Job Name 2277 7th St.
Job Number 42633-2
Recorded by James McCart (Signature)

Well No. MW-6
Well Type: ☑ Monitor ☐ Extraction ☐ Other _____
Well Material: ☑ PVC ☐ St. Steel ☐ Other _____
Date 11/6/98 Time 13:25
Sampled by SGM (Initials)

WELL PURGING

PURGE VOLUME

Casing Diameter (D in inches):
☑ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other _____
Total Depth of Casing (TD in feet BTOC): 18.05
Water Level Depth (WL in feet BTOC): 9.62
Number of Well Volumes to be purged (# Vols)
☑ 3 ☐ 4 ☐ 5 ☐ 10 ☐ Other _____

PURGE METHOD

☑ Bailer - Type: PVC
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.: _____
☐ Other - Type: _____

PUMP INTAKE SETTING

☐ Near Bottom ☐ Near Top ☐ Other _____
Depth in feet (BTOC): _____ Screen Interval in Feet (BTOC) from _____ to _____

PURGE VOLUME CALCULATION

$(18.1 - 9.6) \times 2^2 \times 3 \times 0.0408 = 4.2$ gallons

(TD (feet) − WL (feet)) × D (inches)² × # Vols × 0.0408 = Calculated Purge Volume

PURGE TIME

_____ Start _____ Stop _____ Elapsed

PURGE RATE

Initial _____ gpm Final _____ gpm

ACTUAL PURGE VOLUME

_____ gallons

FIELD PARAMETER MEASUREMENT

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☑ °F	Other
gal +0	7.09	3600	62.4	
2	7.03	4100	62.0	
3	7.22	4100	61.9	
5	7.21	4100	61.8	

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☐ °F	Other
Meter Nos.				

Observations During Purging (Well Condition, Turbidity, Color, Odor): sheen, hydrocarbon odor
Discharge Water Disposal: ☐ Sanitary Sewer ☐ Storm Sewer ☑ Other drum on site

WELL SAMPLING

SAMPLING METHOD

☑ Bailer - Type: teflon
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.: _____
☐ Same As Above
☐ Grab - Type: _____
☐ Other - Type: _____

SAMPLING DISTRIBUTION

Sample Series: _____

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
MW-6	2 Ambers	TPHd, MO	—	C+T	silica gel cleanup
	4 VOAs	TPHg, BTEX, MTBE	HCL	"	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.

Other Samples

Type	Sample No.
Trip	Trip

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GROUND-WATER SAMPLING FORM

Job Name 2277 7th St.
Job Number 42633-2
Recorded by James McCord (Signature)

Well No. MW-7
Well Type: ☑ Monitor ☐ Extraction ☐ Other ____
Well Material: ☑ PVC ☐ St. Steel ☐ Other ____
Date 11/6/98 Time 11:15
Sampled by JGM (Initials)

WELL PURGING

PURGE VOLUME

Casing Diameter (D in inches):
☑ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other ____
Total Depth of Casing (TD in feet BTOC): 18.16
Water Level Depth (WL in feet BTOC): 9.55
Number of Well Volumes to be purged (# Vols)
☑ 3 ☐ 4 ☐ 5 ☐ 10 ☐ Other ____

PURGE METHOD

☑ Bailer - Type: PVC
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.: ____
☐ Other - Type: ____

PUMP INTAKE SETTING

☐ Near Bottom ☐ Near Top ☐ Other ____
Depth in feet (BTOC): ____ Screen Interval in Feet (BTOC) from ____ to ____

PURGE VOLUME CALCULATION

$(18.2 - 9.6) \times 2^2 \times 3 \times 0.0408 = 4.2$ gallons

(TD (feet) − WL (feet)) × D (inches)² × # Vols × 0.0408 = Calculated Purge Volume

PURGE TIME

____ Start ____ Stop ____ Elapsed

PURGE RATE

Initial ____ gpm Final ____ gpm

ACTUAL PURGE VOLUME

5 gallons

FIELD PARAMETER MEASUREMENT

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☑ °F	Other ____
gal +0	7.09	2000	63.6	
2	7.05	2100	63.5	
3	7.09	2100	63.3	
5	7.08	2100	63.2	

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T ☐ °C ☐ °F	Other ____
Meter Nos.				

Observations During Purging (Well Condition, Turbidity, Color, Odor): No Sheen
Discharge Water Disposal: ☐ Sanitary Sewer ☐ Storm Sewer ☑ Other Drum on site

WELL SAMPLING

SAMPLING METHOD

☑ Bailer - Type: Teflon
☐ Submersible ☐ Centrifugal ☐ Bladder; Pump No.: ____

☐ Same As Above
☐ Grab - Type: ____
☐ Other - Type: ____

SAMPLING DISTRIBUTION

Sample Series: ____

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
MW-7	2 Ambers	TPHd+mo	—	C+T	silica gel cleanup
	4 VOAs	TPHg, BTEX, MTBE	HCl	"	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

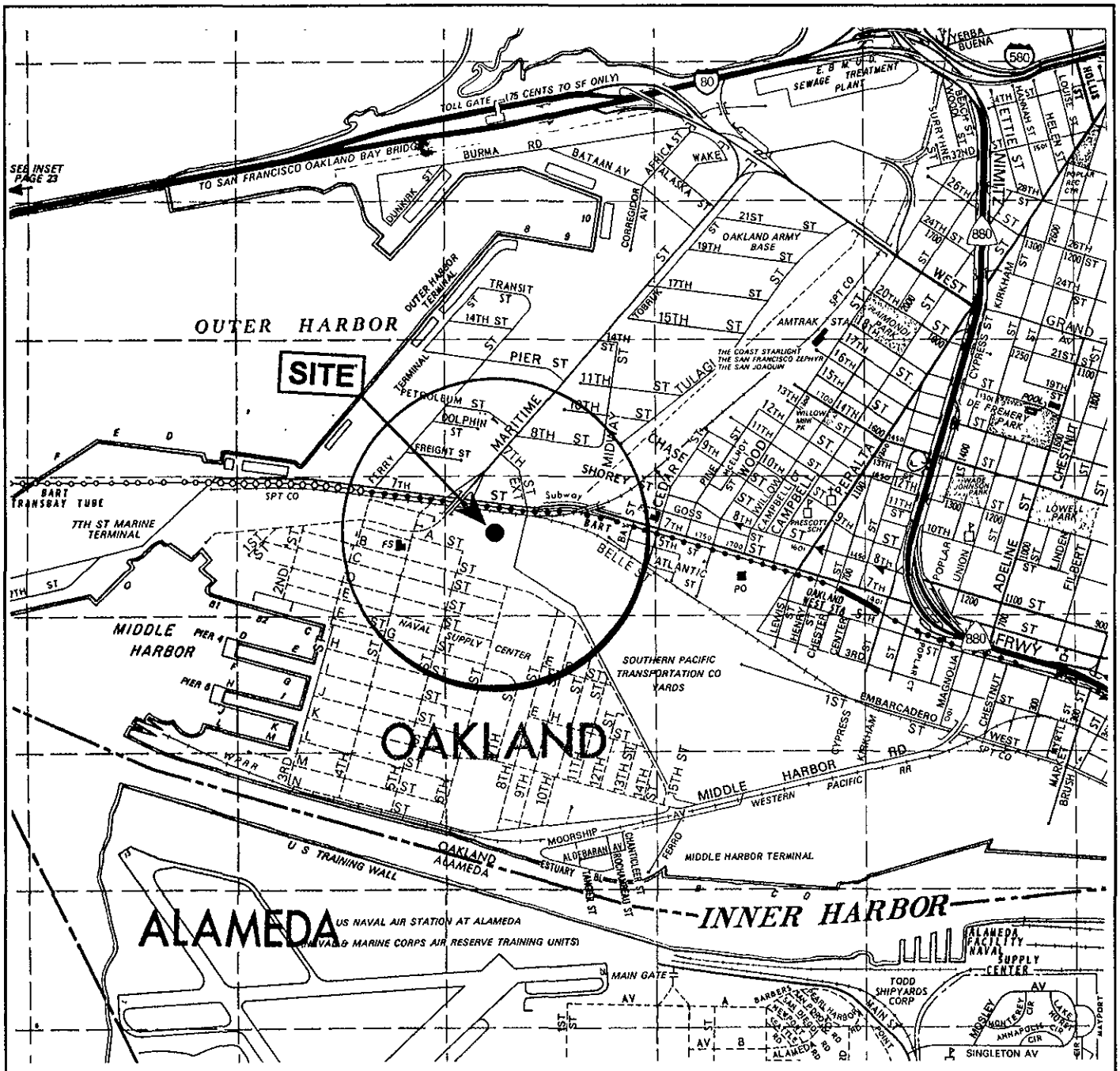
Blank Samples

Type	Sample No.

Other Samples

Type	Sample No.
Trap	Trip

PLATES



Reference: 1995 Thomas Brothers Map

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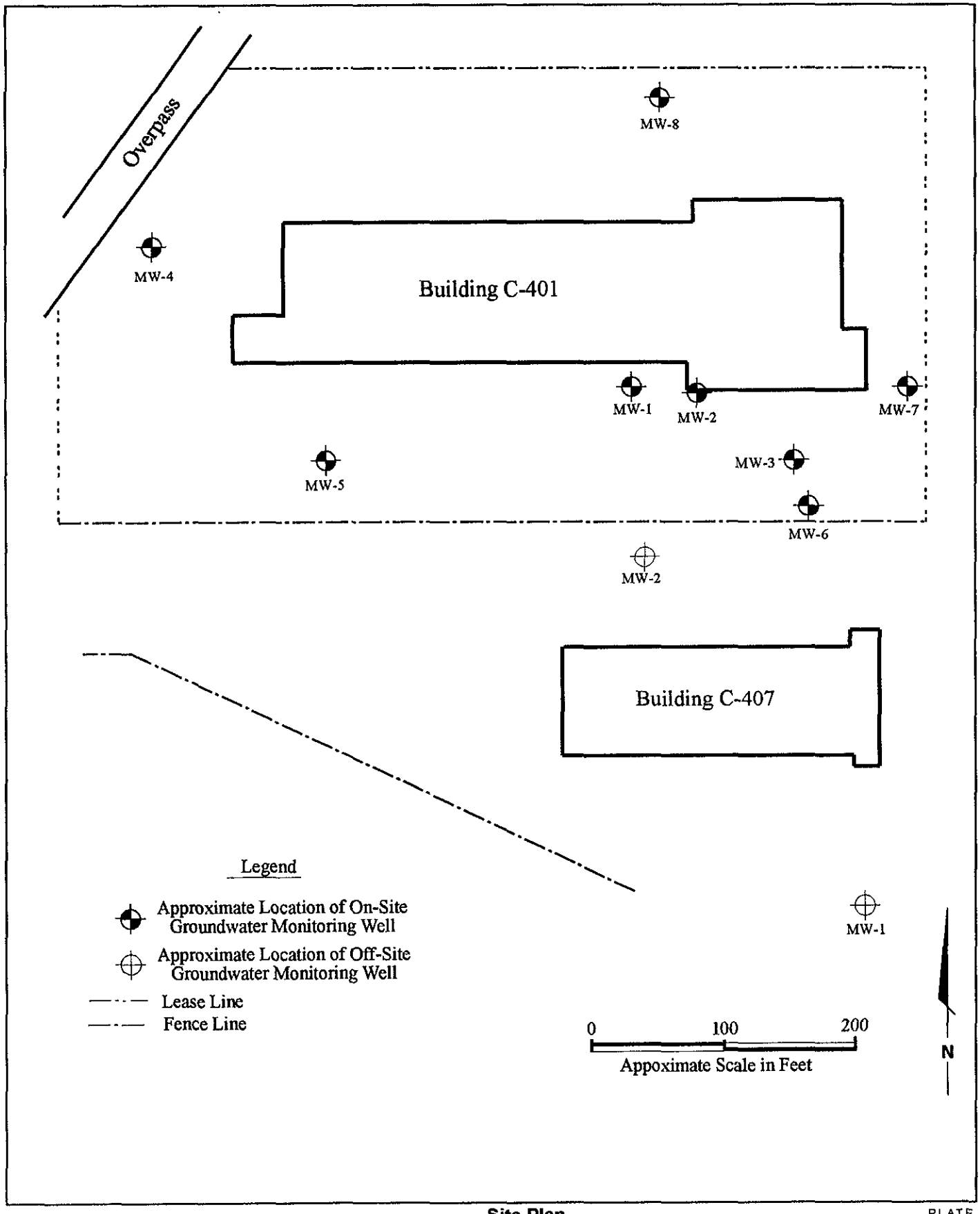
Environmental Services

Vicinity Map
Quarterly Groundwater Monitoring Report
2277 Seventh Street
Oakland, California 94607

PLATE **1**

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
jgm	42633.2		12/28/98	

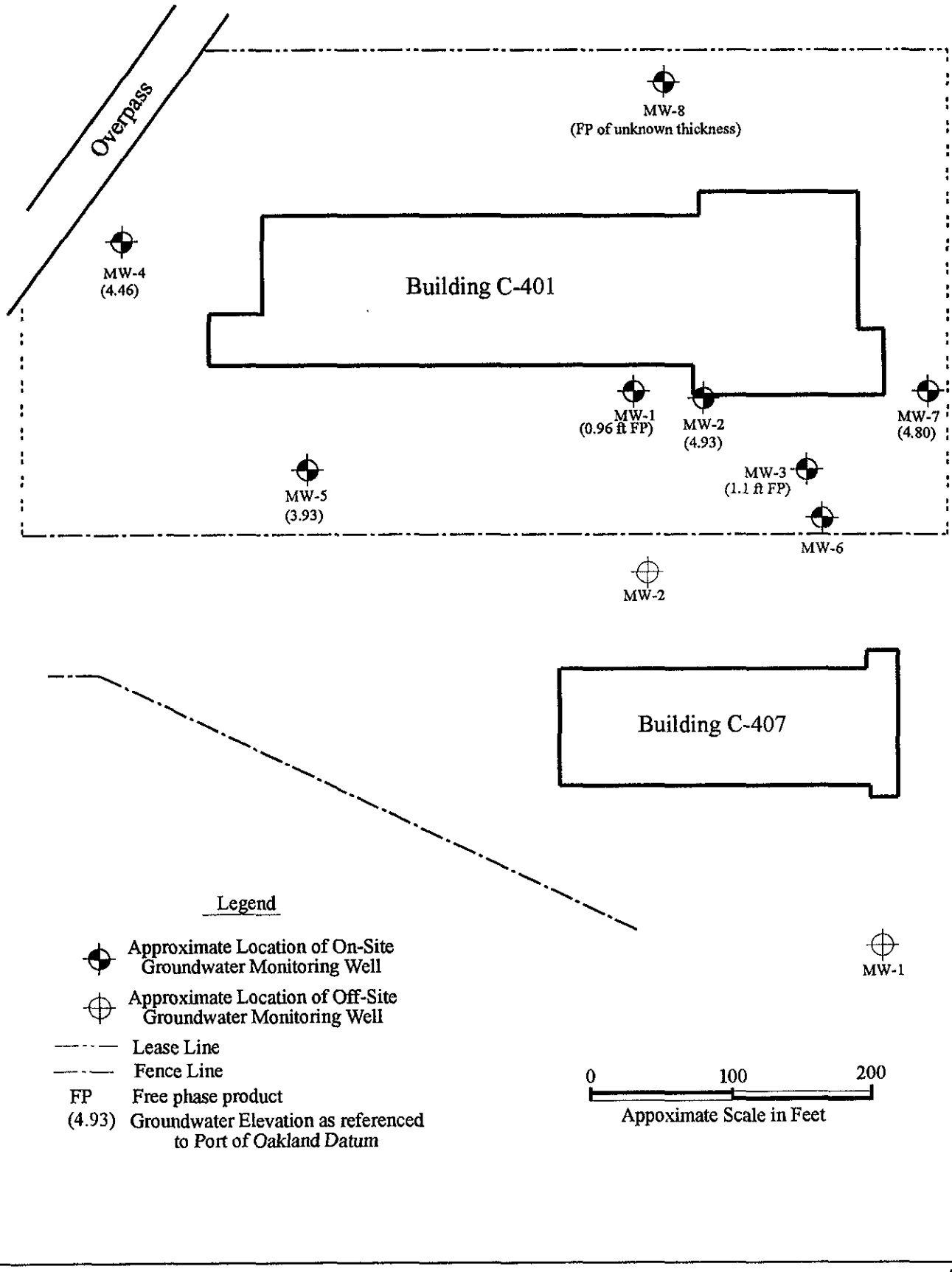


Harding Lawson Associates
Engineering and
Environmental Services

Site Plan
Quarterly Groundwater Monitoring Report
2277 Seventh Street
Oakland, California 94607

PLATE **2**

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
jgm	42633.2		12/28/98	



Harding Lawson Associates
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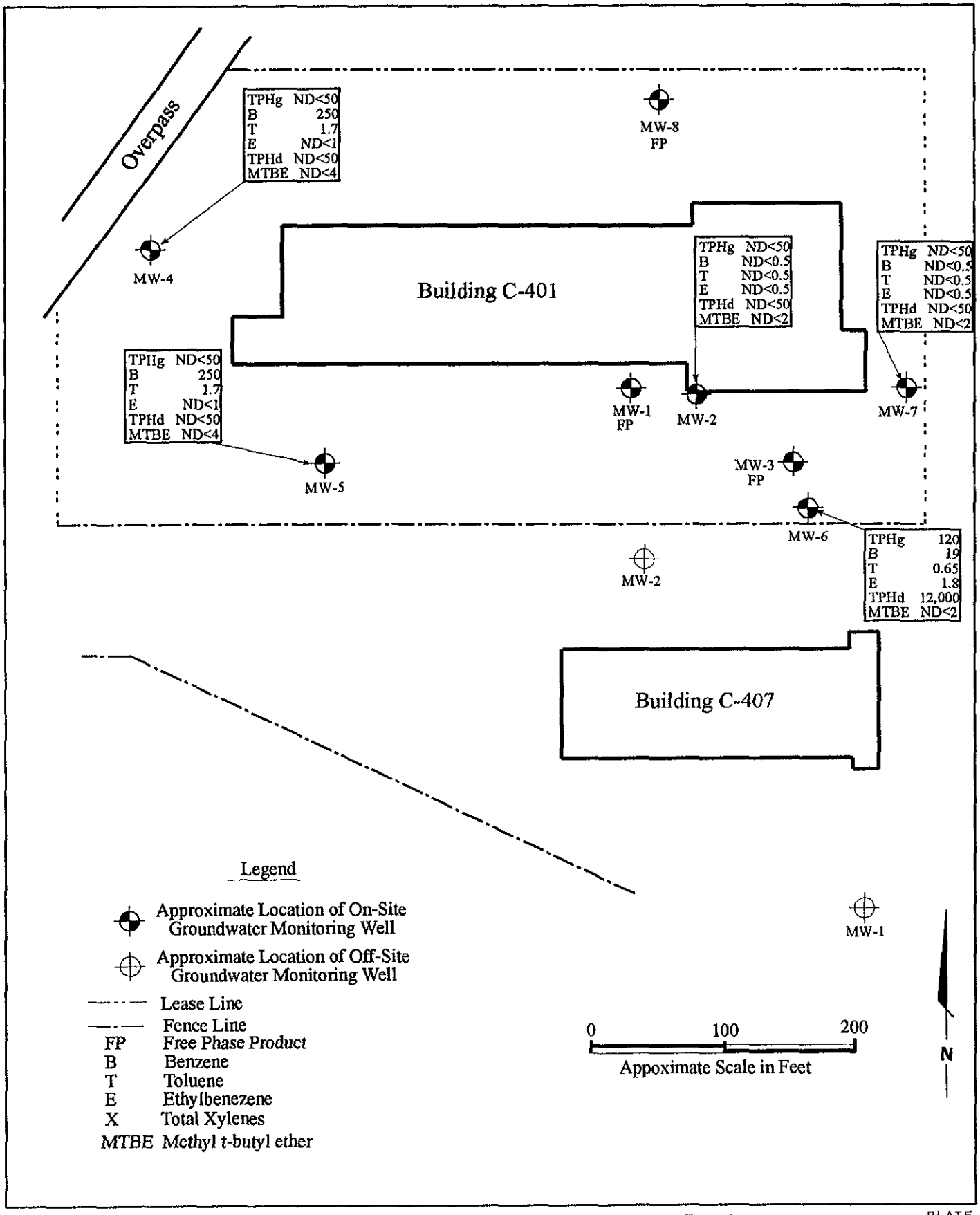
Groundwater Elevation
Quarterly Groundwater Monitoring Report
2277 Seventh Street
Oakland, California 94607

PLATE **3**

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
jgm	42633.2		12/28/98	



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Engineering and Environmental Services

Groundwater Sample Results
Quarterly Groundwater Monitoring Report
2277 Seventh Street
Oakland, California 94607

PLATE **4**

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
jgm	42633.2		12/28/98	

TABLES

Table 1. Groundwater Elevations and Product Removal Data
Port of Oakland
2277 7th Street, Oakland California

Well ID	Elevation of Top of Casing[1] (feet)	Date Of Monitoring	Depth to Free Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Groundwater Elevation (feet)	Estimated Product Removed (gallons)	Product Removal Method
MW-1	14.14	12/31/97	-	-	-	-	0.2	passive skimmer
		1/29/98	-	-	-	-	0.2	passive skimmer
		3/2/98	-	-	-	-	0.018	passive skimmer
		4/13/98	-	-	-	-	-	passive skimmer
		5/11/98	-	-	-	-	0.02	passive skimmer
		6/15/98	-	-	-	-	0.2	passive skimmer
		11/6/98	9.34	10.3	0.96	4.61	1.2	passive skimmer
MW-2	14.36	12/31/97	-	8.73	-	5.63	-	-
		4/13/98	-	7.72	-	6.64	-	-
		11/6/98	-	9.43	-	4.93	-	-
MW-3	14.22	12/31/97	-	-	-	-	30	active skimmer
		1/29/98	-	-	-	-	10	active skimmer
		3/2/98	-	-	-	-	0	active skimmer
		4/13/98	-	-	-	-	240	active skimmer
		5/11/98	-	-	-	-	1,545	active skimmer
		6/15/98	-	-	-	-	1,950	active skimmer
		11/6/98	8.84	9.94	1.1	5.16	500	active skimmer
MW-4	13.15	12/31/97	-	7.09	-	6.06	-	-
		4/13/98	-	7.71	-	5.44	-	-
		11/6/98	-	8.69	-	4.46	-	-
MW-5	13.49	12/31/97	-	6.38	-	7.11	-	-
		4/13/98	-	5.56	-	7.93	-	-
		11/6/98	-	9.56	-	3.93	-	-
MW-6	14.00	13/31/97	-	-	-	-	0.0014	passive skimmer
		1/29/98	-	-	-	-	0.0014	passive skimmer
		3/2/98	-	-	-	-	0.0014	passive skimmer
		4/13/98	-	-	-	-	-	passive skimmer
		5/11/98	-	-	-	-	-	passive skimmer
		6/15/98	-	-	-	-	-	passive skimmer
		11/6/98	-	9.62	-	4.38	-	passive skimmer
MW-7	14.35	12/31/97	-	8.88	-	5.47	-	-
		4/13/98	-	7.86	-	6.49	-	-
		11/6/98	-	9.55	-	4.80	-	-
MW-8	12.94	12/31/97	8.49	8.82	0.33	4.38	-	-
		4/13/98	8.00	-[3]	-[3]	-[3]	-	-
		11/6/98	9.25	10.3	1.05	3.48	-	-

[1] Elevation data relative to Port of Oakland datum; well surveys performed on September 12, 1996, and February 4, 1998, by PLS Surveys.

[2] Groundwater elevation calculated assuming a specific gravity of 0.8 for free product.

[3] Free product in well desensitized probe preventing further measurements.

- Data prior to November 6, 1998 taken from *Groundwater Monitoring, Sampling and Product Removal System O&M Report* dated July 21, 1998, by Innovative Technical Solutions, Inc.
- Product removal volumes on 11/6/98 represent total product removed during this reporting period.

Table 2. Groundwater Sample Result
Port of Oakland
2277 7th Street, Oakland California

Monitoring Well ID	Date	TPHg (µg/l)	TPHd (µg/l)	TPHmo (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)
MW-2	05/27/94	87	470	NA	<0.5	<0.5	<0.5	<0.5	NA
	03/29/95	<50	110	1,400	<0.4	<0.3	<0.3	<0.4	NA
	09/06/95	<50	NA	NA	<0.4	<0.3	<0.3	<0.4	NA
	01/08/96	<50	<50	1200	<0.4	<0.3	<0.3	<0.4	NA
	04/04/96	<50	160	320	<0.5	<0.5	<0.5	<1.0	NA
	07/10/96	<50	120	1400	<0.4	<0.3	<0.3	<0.4	NA
	12/03/96	<50	230 [1,2]	<250	<0.5	<0.5	<0.5	<1.0	NA
	03/28/97	<50	714	<250	<0.5	<0.5	<0.5	<1.0	NA
	06/13/97	51	<50	<250	<0.5	<0.5	<0.5	<1.0	NA
	09/18/97	82	<50	<250	0.56	<0.5	<0.5	<1.0	NA
	12/31/97	<50	<47	<280	1.4	<0.5	<0.5	<1.0	NA
	04/13/98	<50	<50	<300	<0.5	<0.5	<0.5	<1.0	NA
	11/06/98	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<2
MW-4	09/11/95	150	<200	500	23	<0.3	<0.3	<0.4	NA
	01/08/96	790	90	400	170	1.2	0.6	0.6	NA
	04/04/96	1,100	180	300	320	1.6	1.1	1.2	NA
	07/10/96	1,200	120	300	470	1.5	0.8	0.8	NA
	12/03/96	990	220 [1,2]	<250	350	3.3	1.3	1.3	NA
	03/28/97	440 [2]	<50	<250	190	1.2	0.64	<1.0	NA
	06/13/97	1,300	92 [5]	<250	500	5.5	3.4	2.8	NA
	09/18/97	1,300	150	<250	550	4.9	2.1	2.00	NA
	12/31/97	73 [1,2,3]	<47	<280	110 [1]	1.0 [1]	<0.5	<1.0	NA
	04/13/98	150 [2,3]	<50	<300	520	2.9	<2.5	<5.0	NA
	11/06/98	<50	<50	<300	250	1.7	<1	<1	<4
MW-5	09/11/95	90	<300	2,500	3.3	<0.3	<0.3	<0.4	NA
	04/04/96	<50	180	520	<0.5	<0.5	<0.5	<1.0	NA
	07/10/96	<50	120	1,500	<0.4	<0.3	<0.3	<0.4	NA
	12/03/96	<50	200 [1,2]	<250	<0.5	<0.5	<0.5	<1.0	NA
	03/28/97	<50	<50	<250	<0.5	<0.5	<0.5	<1 0	NA
	06/13/97	<50	<50	<250	<0.5	<0.5	<0.5	<1.0	NA
	09/18/97	<50	<50	<250	<0.5	<0.5	<0.5	<1.0	NA
	12/31/97	<50	<47	<280	<0.5	<0.5	<0.5	<1.0	NA
	04/13/98	<50	<47	<280	<0.5	<0.5	<0.5	<1.0	NA
	11/06/98	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<2
MW-6	11/06/98	120	12,000	1,200	19	0.65	1.8	<0.5	<2
MW-7	09/06/95	<50	<300	800	<0.4	<0.3	<0.3	<0.4	NA
	01/08/96	<50	410	110	<0.4	<0.3	<0.3	<0.4	NA
	04/04/96	<50	530	340	<0.5	<0.5	<0.5	<1.0	NA
	07/10/96	80	840	1,700	<0.4	<0.3	<0.3	<0.4	NA
	12/03/96	<50	280 [1,2]	<250	<0.5	<0.5	<0.5	<1.0	NA
	03/28/97	65 [6]	94 [2]	<250	<0.5	<0.5	<0.5	<1.0	NA
	06/13/97	<50	100	<250	<0.5	<0.5	<0.5	<1.0	NA
	09/18/97	<50	240	<250	<0.5	<0.5	<0.5	<1.0	NA
	12/31/97	<50	53 [2,3]	<280	<0.5	<0.5	<0.5	<1.0	NA
	04/13/98	<50	<48	<290	<0.5	<0.5	<0.5	<1.0	NA
	11/06/98	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<2

[1] Analyte found in the associated blank as well as in the sample

[2] Hydrocarbons present do not match profile of laboratory standard

[3] Low-boiling-point/lighter hydrocarbons are present in the sample.

[4] Chromatographic pattern matches known laboratory contaminant

[5] Hydrocarbons are present in the requested fuel quantification range, but do not resemble pattern of available fuel standard

[6] High-boiling-point hydrocarbons are present in sample

NA Not Analyzed

- Data from December 1997 through April 1998 taken from *Groundwater Monitoring, Sampling and Product Removal System O&M Report* dated July 21, 1998, by Innovative Technical Solutions, Inc

-Data prior to December 1997 taken from *Groundwater Analytical Results, Quarterly Groundwater Monitoring Report: Third Quarter 1997, Building C-401, 2277 7th Street, Oakland, CA,* dated October 24, 1997, by Uribe and Associate

Table 3. Summary of Operation and Maintenance Activities
Port of Oakland
2277 7th Street, Oakland California

Date	System Status	Comments
10/15/98	Active skimmer system not running	Meet electrician on site to locate correct breaker switch to turn system on, emptied 0.2 gallons of product from MW-1 passive skimmer, recovery tank contained 150 gallons of product
11/04/98	Active skimmer system not running	Product recovery tank full, Removed 0.2 gallons of product from passive skimmer at MW-I
11/16/98	Active skimmer system operational	Product recovery tank has been emptied, restart system, adjust level of skimmers
11/19/98	Active skimmer system operational	Remove 0.2 gallons of product from MW-1 passive skimmer, measure 70 gallons of product in product recovery tank but active skimmer is no longer hanging low enough, adjust skimmer levels
11/24/98	Active skimmer system operational	Remove 0.2 gallons of product from MW-1 passive skimmer, measure 206 gallons water and 130 gallons of product in product recovery tank, adjust skimmer levels
12/04/98	Active skimmer system operational	Remove 0.2 gallons of product from MW-1 passive skimmer, measure 224 gallons water and 185 gallons of product in product recovery tank
12/30/99	Active skimmer system operational	Product recover tank has been emptied, remove 0.2 gallons of product from MW-1 passive skimmer, measure 110 gallons water and 90 gallons of product in product recovery tank, adjust skimmer level

APPENDIX B

LABORATORY REPORTS

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Harding Lawson Associates
383 Fourth Street, Third Floor
Oakland, CA 94607

Date: 30-NOV-98
Lab Job Number: 136445
Project ID: N/A
Location: 2277 7th Street

Reviewed by: _____

Reviewed by: _____

Curtis & Tompkins, Ltd.

Laboratory Number: **136445** Receipt Date: **11/06/98**
Location: **2277 7th Street**

CASE NARRATIVE

This hardcopy data package contains sample and QC results for seven water samples that were received on November 06, 1998.

TVH/BTXE/MTBE: The BS/BSD and the MS/MSD in Batch 44530 have high m,p,and o,-xylene recoveries. The %RPDs are within limits. Only samples that were non-detect for these analytes were reported from this batch and all samples with reportable values were reanalyzed (see Batch 44601). Benzene recoveries were high in the MS/MSD due to high levels of benzene in the Matrix Spike Sample (MSS). Surrogate recoveries in the MSD were outside of QC limits due to hydrocarbon interference. No other analytical problems were encountered.

Harding Lawson Associates
383 Fourth Street, Third Floor
Oakland California 94607
(510) 451-1001
FAX 510-451-3165

CHAIN OF CUSTODY FORM

Lab: No. 2006

Samplers: Jim/Chris & Gary

Job Number: 42633-1

Name/Location: 2277 7th St.

Project Manager: Jim McCarty

Recorder: James McCarty (Signature Required)

SOURCE CODE	MATRIX: Water	Sediment	Soil	Oil	# CONTAINERS & PRESERV.: Unpres.	H_2SO_4	HNO_3	HCL	Ice	SAMPLE NUMBER OR LAB NUMBER: Yr	Wk	Seq	DATE: Yr	Mo	Day	Time	STATION DESCRIPTION/ NOTES
	X							4		Trip			98	11	06		
					2			4		MW-2							
					2			4		MW-4							
					2			4		MW-5							
					2			4		MW-6							
					2			4		MW-7							
					2			4		Dup							

ANALYSIS REQUESTED

EPA 601/8010	EPA 602/8020	EPA 624/8240	EPA 625/8270	METALS	EPA 8015M/TPHg	EPA 8020/BTEX	EPA 8015M/TPHd,o	TPHg	BTEX	MTBE	TPHd w/ Silica Cleanup	TPHmo w/ Silica Cleanup
								X	X	X		
								X	X	X	X	X
								X	X	X	X	X
								X	X	X	X	X
								X	X	X	X	X
								X	X	X	X	X
								X	X	X	X	X

LAB NUMBER: Yr	Wk	Seq	DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
						Std TAT 5DAY

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) James McCarty	RECEIVED BY: (Signature) J. GUERRERO	DATE/TIME 11-7-98 3:05 PM
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature) DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME

METHOD OF SHIPMENT

SAMPLE CONDITION WHEN RECEIVED BY THE LABORATORY

Laboratory Copy White | Project Office Copy Yellow | Field or Office Copy Pink

TVH-Total Volatile Hydrocarbons

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8015M
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
136445-001	TRIP BLANK	44530	11/06/98	11/11/98	11/11/98	
136445-002	MW-2	44530	11/06/98	11/11/98	11/11/98	
136445-003	MW-4	44530	11/06/98	11/11/98	11/11/98	
136445-004	MW-5	44530	11/06/98	11/11/98	11/11/98	

Matrix: Water

Analyte	Units	136445-001	136445-002	136445-003	136445-004
Diln Fac:		1	1	1	1
Gasoline C7-C12	ug/L	<50	<50	160	<50
Surrogate					
Trifluorotoluene	%REC	115	112	113	104
Bromofluorobenzene	%REC	131	129	134	113

BTXE

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8021B
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
136445-001	TRIP BLANK	44601	11/06/98	11/13/98	11/13/98	
136445-002	MW-2	44530	11/06/98	11/11/98	11/11/98	
136445-003	MW-4	44601	11/06/98	11/13/98	11/13/98	
136445-004	MW-5	44530	11/06/98	11/11/98	11/11/98	

Matrix: Water

Analyte Diln Fac:	Units	136445-001 1	136445-002 1	136445-003 2	136445-004 1
MTBE	ug/L	<2	<2	<4	<2
Benzene	ug/L	<0.5	<0.5	250	<0.5
Toluene	ug/L	<0.5	<0.5	1.7C	<0.5
Ethylbenzene	ug/L	<0.5	<0.5	<1	<0.5
m,p-Xylenes	ug/L	<0.5	<0.5	<1	<0.5
o-Xylene	ug/L	<0.5	<0.5	<1	<0.5
Surrogate					
Trifluorotoluene	%REC	116	118	122	110
Bromofluorobenzene	%REC	123	137	127	122

C: Presence of this compound confirmed by second column, however, the confirmation concentration differed from the reported result by more than a factor of two

TVH-Total Volatile Hydrocarbons

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8015M
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
136445-005	MW-6	44530	11/06/98	11/11/98	11/11/98	
136445-006	MW-7	44530	11/06/98	11/11/98	11/11/98	
136445-007	DUP	44530	11/06/98	11/11/98	11/11/98	

Matrix: Water

Analyte	Units	136445-005	136445-006	136445-007
Diln Fac:		1	1	1
Gasoline C7-C12	ug/L	120	<50	160
Surrogate				
Trifluorotoluene	%REC	113	108	111
Bromofluorobenzene	%REC	136	127	131

BTXE

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8021B
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
136445-005	MW-6	44601	11/06/98	11/13/98	11/13/98	
136445-006	MW-7	44530	11/06/98	11/11/98	11/11/98	
136445-007	DUP	44601	11/06/98	11/13/98	11/13/98	

Matrix: Water

Analyte	Units	136445-005	136445-006	136445-007
Diln Fac:		1	1	2
MTBE	ug/L	<2	<2	<4
Benzene	ug/L	19	<0.5	260
Toluene	ug/L	0.65	<0.5	<1
Ethylbenzene	ug/L	1.8	<0.5	<1
m,p-Xylenes	ug/L	<0.5	<0.5	<1
o-Xylene	ug/L	<0.5	<0.5	<1
Surrogate				
Trifluorotoluene	%REC	111	116	122
Bromofluorobenzene	%REC	117	137	126

TVH-Total Volatile Hydrocarbons

Client:	Harding Lawson Associates	Analysis Method:	EPA 8015M
Location:	2277 7th Street	Prep Method:	EPA 5030

METHOD BLANK

Matrix:	Water	Prep Date:	11/10/98
Batch#:	44530	Analysis Date:	11/10/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC84203

Analyte	Result
Gasoline C7-C12	<50

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	100	59-162
Bromofluorobenzene	110	59-162

BTXE

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8021B
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 44530
Units: ug/L
Diln Fac: 1

Prep Date: 11/10/98
Analysis Date: 11/10/98

MB Lab ID: QC84203

Analyte	Result
MTBE	<2.0
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylenes	<0.5
o-Xylene	<0.5

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	108	53-124
Bromofluorobenzene	119	41-142

TVH-Total Volatile Hydrocarbons	
Client: Harding Lawson Associates	Analysis Method: EPA 8015M
Location: 2277 7th Street	Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE	
Matrix: Water	Prep Date: 11/10/98
Batch#: 44530	Analysis Date: 11/10/98
Units: ug/L	
Diln Fac: 1	

LCS Lab ID: QC84305

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline C7-C12	1974	2000	99	80-119

Surrogate	%Rec	Limits
Trifluorotoluene	127	59-162
Bromofluorobenzene	128	59-162

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

BTXE

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8021B
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 44530
Units: ug/L
Diln Fac: 1

Prep Date: 11/10/98
Analysis Date: 11/10/98

BS Lab ID: QC84202

Analyte	Spike Added	BS	%Rec	#	Limits
MTBE	20	22.05	110		65-135
Benzene	20	19.34	97		69-109
Toluene	20	22.62	113		72-116
Ethylbenzene	20	22.94	115		67-120
m,p-Xylenes	40	47.99	120	*	69-117
o-Xylene	20	24.06	120		75-122

Surrogate	%Rec	Limits
Trifluorotoluene	111	53-124
Bromofluorobenzene	130	41-142

BSD Lab ID: QC84372

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
MTBE	20	22.67	113		65-135	3		20
Benzene	20	19.5	98		69-109	1		11
Toluene	20	22.77	114		72-116	1		11
Ethylbenzene	20	23.43	117		67-120	2		12
m,p-Xylenes	40	49	123	*	69-117	2		11
o-Xylene	20	24.53	123	*	75-122	2		12

Surrogate	%Rec	Limits
Trifluorotoluene	117	53-124
Bromofluorobenzene	133	41-142

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 6 outside limits
Spike Recovery: 3 out of 12 outside limits

Lab #: 136445

BATCH QC REPORT

Curtis & Tompkins, Ltd.

BTXE

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8021B
Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: DUP
Lab ID: 136445-007
Matrix: Water
Batch#: 44530
Units: ug/L
Diln Fac: 1

Sample Date: 11/06/98
Received Date: 11/06/98
Prep Date: 11/11/98
Analysis Date: 11/11/98

MS Lab ID: QC84204

Analyte	Spike Added	Sample	MS	%Rec #	Limits
MTBE	20	<2	84.77	82	65-135
Benzene	20	283	274.3	-43 *	55-125
Toluene	20	1.58	24.81	116	65-126
Ethylbenzene	20	0.82	25.62	124	60-129
m,p-Xylenes	40	<0.5	52.08	130 *	68-116
o-Xylene	20	<0.5	26.32	132 *	69-129

Surrogate	%Rec	Limits
Trifluorotoluene	125*	53-124
Bromofluorobenzene	155*	41-142

MSD Lab ID: QC84205

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
MTBE	20	83.38	75	65-135	2	20
Benzene	20	268.6	-72 *	55-125	2	11
Toluene	20	25.38	119	65-126	2	11
Ethylbenzene	20	26.02	126	60-129	2	12
m,p-Xylenes	40	52.95	132 *	68-116	2	11
o-Xylene	20	26.83	134 *	69-129	2	12

Surrogate	%Rec	Limits
Trifluorotoluene	115	53-124
Bromofluorobenzene	140	41-142

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 6 outside limits
Spike Recovery: 6 out of 12 outside limits

BTXE

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8021B
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 44601
Units: ug/L
Diln Fac: 1

Prep Date: 11/13/98
Analysis Date: 11/13/98

MB Lab ID: QC84459

Analyte	Result
MTBE	<2.0
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylenes	<0.5
o-Xylene	<0.5

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	108	53-124
Bromofluorobenzene	114	41-142

BTXE

Client: Harding Lawson Associates
Location: 2277 7th Street
Analysis Method: EPA 8021B
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 44601
Units: ug/L
Diln Fac: 1
Prep Date: 11/13/98
Analysis Date: 11/13/98

BS Lab ID: QC84460

Analyte	Spike Added	BS	%Rec #	Limits
MTBE	20	21.5	108	65-135
Benzene	20	19.27	96	69-109
Toluene	20	21.61	108	72-116
Ethylbenzene	20	22.37	112	67-120
m,p-Xylenes	40	45.23	113	69-117
o-Xylene	20	22.6	113	75-122

Surrogate	%Rec	Limits
Trifluorotoluene	111	53-124
Bromofluorobenzene	118	41-142

BSD Lab ID: QC84461

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
MTBE	20	21.17	106	65-135	2	20
Benzene	20	19.17	96	69-109	1	11
Toluene	20	22.14	111	72-116	2	11
Ethylbenzene	20	22.78	114	67-120	2	12
m,p-Xylenes	40	46.61	117	69-117	3	11
o-Xylene	20	23.01	115	75-122	2	12

Surrogate	%Rec	Limits
Trifluorotoluene	112	53-124
Bromofluorobenzene	121	41-142

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

```
Turbochrom Method File : G:\GC05\METHODS\G_111098.MTH
Created by : AMP                on : 11/10/98  07:37 PM
Edited by  : TEW                on : 11/10/98  07:37 PM
Description :
GC05 TVH  'G' DATA FILE
Gas ICAL Date: 11/10/98 from NOV09.SEQ
TFT/BFB Surrogates ICAL Date: 11/10/98 from NOV09.SEQ

Number of Times Edited : 0
Number of Times Calibrated : 36
```

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 :

```
   JP4:7-12 SURROGATES
      Component Type     : Named Group
      Group Members:
         TRIFLUOROTOLUENE
         BROMOFLUOROBENZENE

      Quantitation will use calibration reference : JP4:7-12

   GAS:7-12 SURROGATES
      Component Type     : Named Group
      Group Members:
         TRIFLUOROTOLUENE
         BROMOFLUOROBENZENE

      Quantitation will use calibration reference : GAS:7-12

   GAS:6-10 SURROGATES
      Component Type     : Named Group
      Group Members:
         TRIFLUOROTOLUENE
         BROMOFLUOROBENZENE

      Quantitation will use calibration reference : GAS:6-10

   TRIFLUOROTOLUENE
      Component Type     : Single Peak Component
      Retention Time     : 7.107 min     Search Window: 1.80 s, 2.00 %
      Reference Component:
```

Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
TFT/BFB 1	150.0000	284599.24	35509.81			1
TFT/BFB 2	225.0000	398077.39	50492.79			1
TFT/BFB 3	450.0000	817940.13	105155.26			1
TFT/BFB 4	675.0000	1190445.34	158070.64			1
TFT/BFB 5	950.0000	1667440.85	226745.69			1

Average Calibration Factor = 1800.605895 (%RSD = 3.29)

GAS:6-10
Component Type : Timed Group
Start Time : 2.962 min End Time : 16.540 min
Reference Component:
Quantitation will be done using response factor = 1208.271500

JP4:7-12
Component Type : Timed Group
Start Time : 5.824 min End Time : 22.674 min
Reference Component:
Quantitation will be done using response factor = 1935.715300

GAS:7-12
Component Type : Timed Group
Start Time : 5.824 min End Time : 22.674 min
Reference Component:
Quantitation will be done using response factor = 997.938200

BROMOFLUOROBENZENE
Component Type : Single Peak Component
Retention Time : 15.020 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
TFT/BFB 1	150.0000	115302.40	11292.39			1
TFT/BFB 2	225.0000	169570.40	17270.41			1

TFT/BFB 3	450.0000	452145.88	46173.00	----------	----------	1
TFT/BFB 4	675.0000	616054.79	76574.88	----------	----------	1
TFT/BFB 5	950.0000	897658.07	115801.28	----------	----------	1

Average Calibration Factor = 876.934903 (%RSD = 12.64)

Calibration Replicate Lists:

Component: JP4:7-12 SURROGATES

Level : TFT/BFB 1
This level has no replicate injections

Level : TFT/BFB 2
This level has no replicate injections

Level : GAS 1
This level has no replicate injections

Level : JP4 1
This level has no replicate injections

Level : TFT/BFB 3
This level has no replicate injections

Level : GAS 2
This level has no replicate injections

Level : JP4 2
This level has no replicate injections

Level : TFT/BFB 4
This level has no replicate injections

Level : TFT/BFB 5
This level has no replicate injections

Level : GAS 3
This level has no replicate injections

Level : JP4 3
This level has no replicate injections

Level : GAS 4
This level has no replicate injections

Level : JP4 4
This level has no replicate injections

Level : GAS 5
This level has no replicate injections

Level : JP4 5
This level has no replicate injections

Level : GAS 6
This level has no replicate injections

Level : JP4 6
This level has no replicate injections

Level : GAS 7
This level has no replicate injections

Level : JP4 7
This level has no replicate injections

Level : GAS 8
This level has no replicate injections

Level : JP4 8
This level has no replicate injections

Component: GAS:7-12 SURROGATES
Level : TFT/BFB 1
This level has no replicate injections

Level : TFT/BFB 2
This level has no replicate injections

Level : GAS 1
This level has no replicate injections

Level : JP4 1
This level has no replicate injections

Level : TFT/BFB 3
This level has no replicate injections

Level : GAS 2
This level has no replicate injections

Level : JP4 2
This level has no replicate injections

Level : TFT/BFB 4
This level has no replicate injections

Level : TFT/BFB 5
This level has no replicate injections

Level : GAS 3
This level has no replicate injections

Level : JP4 3
This level has no replicate injections

Level : GAS 4
This level has no replicate injections

Level : JP4 4
This level has no replicate injections

Level : GAS 5
This level has no replicate injections

Level : JP4 5
This level has no replicate injections

Level : GAS 6
This level has no replicate injections

Level : JP4 6
This level has no replicate injections

Level : GAS 7
This level has no replicate injections

Level : JP4 7
This level has no replicate injections

Level : GAS 8
This level has no replicate injections

Level : JP4 8
This level has no replicate injections

Component: GAS:6-10 SURROGATES
This component has no calibration levels

Component: TRIFLUOROTOLUENE
Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
284599.24	35509.81	150.0000	----------	----------	11/10/98	07:36 PM	313G026.

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
398077.39	50492.79	225.0000	----------	----------	11/10/98	07:36 PM	313G027.

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
817940.13	105155.26	450.0000	----------	----------	11/10/98	07:36 PM	313G028.

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1190445.34	158070.64	675.0000	----------	----------	11/10/98	07:36 PM	313G029.

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1667440.85	226745.69	950.0000	----------	----------	11/10/98	07:36 PM	313G030.

Component: GAS:6-10
This component has no calibration levels

Component: JP4:7-12
Level : JP4 1
This level has no replicate injections

Level : JP4 2
This level has no replicate injections

Level : JP4 3
This level has no replicate injections

Level : JP4 4
This level has no replicate injections

Level : JP4 5
This level has no replicate injections

Level : JP4 6
This level has no replicate injections

Level : JP4 7
This level has no replicate injections

Level : JP4 8
This level has no replicate injections

Level : JP4 9
This level has no replicate injections

Component: GAS:7-12
Level : GAS 1
This level has no replicate injections

Level : GAS 2
This level has no replicate injections

Level : GAS 3
This level has no replicate injections

Level : GAS 4
This level has no replicate injections

Level : GAS 5
This level has no replicate injections

Level : GAS 6
This level has no replicate injections

Level : GAS 7
This level has no replicate injections

Level : GAS 8
This level has no replicate injections

Level : GAS 9
This level has no replicate injections

Component: BROMOFLUOROBENZENE

Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
115302.40	11292.39	150.0000	----------	----------	11/10/98	07:36 PM	313G026.

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
169570.40	17270.41	225.0000	----------	----------	11/10/98	07:36 PM	313G027.

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
452145.88	46173.00	450.0000	----------	----------	11/10/98	07:36 PM	313G028.

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
616054.79	76574.88	675.0000	----------	----------	11/10/98	07:36 PM	313G029.

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
897658.07	115801.28	950.0000	----------	----------	11/10/98	07:36 PM	313G030.

GC 05 GAS CAL 11/10/98 SEQ. NOV09

File Name	Sample Name	ng	gas:7-12 Area [µV·s]	gas:7-12 SURROGATES Area [µV·s]	ADJUSTED AREA Area [µV·s]	CAL FACTOR [µV·s / NG]
313G004	GAS 1	250	1141627	872638	268989	1075.96
313G006	GAS 2	500	1581981	1158429	423552	847.10
313G007	GAS 3	1000	2198876	1214020	984856	984.86
313G008	GAS 4	2500	3783224	1326323	2456901	982.76
313G010	GAS 6	10000	12922171	1603172	11318999	1131.90
313G011	GAS 7	15000	19976241	1859682	18116559	1207.77
313G012	GAS 8	25000	20357980	1658743	18699237	747.97
313G013	GAS 9	50000	53073118	2813669	50259449	1005.19

Avg.Calibration Factor	997.9382
%RSD	14.9
QC STATUS >	PASS
(LIMITS: RSD < 20.5 %)	

Turbochrom Method File : G:\GC05\METHODS\H_111098.MTH
Created by : AMP on : 11/10/98 07:34 PM
Edited by : TEW on : 11/10/98 07:34 PM
Description :
CALIBRATION METHOD FOR " H " DATA FILE
BTXE ICAL DATE: 10NOV98 from NOV09.SEQ
SURROGATE ICAL DATE: 10NOV98 from NOV09.SEQ

Number of Times Edited : 0
Number of Times Calibrated : 17

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 :

MTBE

Component Type : Single Peak Component
Retention Time : 2.709 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : MTBE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	2.5000	1257.56	195.13	----------	----------	1
BTXE 2	5.0000	2344.35	355.00	----------	----------	1
BTXE 3	12.5000	5412.07	851.92	----------	----------	1
BTXE 4	50.0000	18275.00	2787.14	----------	----------	1
BTXE 5	100.0000	42799.33	6679.09	----------	----------	1
BTXE 6	250.0000	103608.39	16415.26	----------	----------	1
BTXE 7	500.0000	215657.71	34818.69	----------	----------	1
BTXE 8	750.0000	330622.19	53484.10	----------	----------	1
BTXE 9	1000.0000	437084.23	71052.59	----------	----------	1

Average Calibration Factor = 435.779514 (%RSD = 8.56)

BENZENE

Component Type : Single Peak Component
Retention Time : 5.283 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window

Use Average Calibration Factor (Area / Amount)
User Values:
Label : BENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	2.5000	9220.00	1182.85			1
BTXE 2	5.0000	17419.47	2287.61			1
BTXE 3	12.5000	41290.00	6008.95			1
BTXE 4	50.0000	119980.00	17725.34			1
BTXE 5	100.0000	316002.99	47740.88			1
BTXE 6	250.0000	750110.00	115632.87			1
BTXE 7	500.0000	1372740.00	214694.33			1
BTXE 8	750.0000	2173450.00	340705.39			1
BTXE 9	1000.0000	2934476.24	458504.50			1

Average Calibration Factor = 3068.117033 (%RSD = 12.75)

TRIFLUOROTOLUENE
Component Type : Single Peak Component
Retention Time : 7.120 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TFT
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
TFT/BFB 1	150.0000	203810.00	26800.45			1
TFT/BFB 2	225.0000	290230.00	38846.47			1
TFT/BFB 3	450.0000	603840.00	83540.10			1
TFT/BFB 4	675.0000	922860.00	126512.59			1
TFT/BFB 5	950.0000	1345055.00	184773.25			1

Average Calibration Factor = 1354.711696 (%RSD = 3.36)

TOLUENE
Component Type : Single Peak Component
Retention Time : 9.055 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TOLUENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000

Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	2.5000	8220.00	1125.30	----------	----------	1
BTXE 2	5.0000	15855.00	2086.36	----------	----------	1
BTXE 3	12.5000	39160.00	5322.96	----------	----------	1
BTXE 4	50.0000	107930.00	15419.64	----------	----------	1
BTXE 5	100.0000	288090.00	41297.86	----------	----------	1
BTXE 6	250.0000	679010.00	101124.22	----------	----------	1
BTXE 7	500.0000	1251439.72	188283.55	----------	----------	1
BTXE 8	750.0000	2015110.00	307169.00	----------	----------	1
BTXE 9	1000.0000	2708325.38	415453.92	----------	----------	1

Average Calibration Factor = 2805.039796 (%RSD = 12.73)

ETHYLBENZENE

Component Type : Single Peak Component

Retention Time : 12.538 min Search Window: 2.00 s, 3.00 %

Reference Component:

Find peak closest to expected RT in window

Use Average Calibration Factor (Area / Amount)

User Values:

Label : ETHYLBENZENE

Value 1: 100.000000

Value 2: 0.000000

Value 3: 0.000000

Value 4: 0.000000

Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	2.5000	6355.71	731.69	----------	----------	1
BTXE 2	5.0000	11648.00	1435.76	----------	----------	1
BTXE 3	12.5000	29892.61	4079.81	----------	----------	1
BTXE 4	50.0000	84983.33	12226.59	----------	----------	1
BTXE 5	100.0000	226439.14	33635.37	----------	----------	1
BTXE 6	250.0000	549781.58	84615.72	----------	----------	1
BTXE 7	500.0000	1019258.16	157927.43	----------	----------	1
BTXE 8	750.0000	1679056.32	262747.98	----------	----------	1
BTXE 9	1000.0000	2255717.37	354960.04	----------	----------	1

Average Calibration Factor = 2217.717171 (%RSD = 10.73)

m,p-XYLENE

Component Type : Single Peak Component

Retention Time : 12.846 min Search Window: 2.00 s, 3.00 %

Reference Component:

Find peak closest to expected RT in window

Use Average Calibration Factor (Area / Amount)

User Values:

Label : m,p-XYLENE

Value 1: 100.000000

Value 2: 200.000000

Value 3: 0.000000

Value 4: 0.000000

Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	5.0000	14038.18	1545.80	----------	----------	1
BTXE 2	10.0000	27417.00	3094.98	----------	----------	1

BTXE 3	25.0000	74542.39	9047.01	----------	----------	1
BTXE 4	100.0000	216776.67	27856.30	----------	----------	1
BTXE 5	200.0000	571580.86	76689.74	----------	----------	1
BTXE 6	500.0000	1355728.42	188637.83	----------	----------	1
BTXE 7	1000.0000	2475541.84	354866.20	----------	----------	1
BTXE 8	1500.0000	4044373.68	594085.75	----------	----------	1
BTXE 9	2000.0000	5411482.63	804443.54	----------	----------	1

Average Calibration Factor = 2682.854661 (%RSD = 8.83)

o-XYLENE

Component Type : Single Peak Component
Retention Time : 13.759 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : o-XYLENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	2.5000	5610.00	696.09	----------	----------	1
BTXE 2	5.0000	10640.00	1362.01	----------	----------	1
BTXE 3	12.5000	30180.00	3952.68	----------	----------	1
BTXE 4	50.0000	90330.00	12277.52	----------	----------	1
BTXE 5	100.0000	236885.00	33371.65	----------	----------	1
BTXE 6	250.0000	567390.00	82313.24	----------	----------	1
BTXE 7	500.0000	1042965.00	154558.78	----------	----------	1
BTXE 8	750.0000	1704210.00	255569.75	----------	----------	1
BTXE 9	1000.0000	2278930.00	347755.61	----------	----------	1

Average Calibration Factor = 2207.616667 (%RSD = 8.25)

BROMOFLUOROBENZENE

Component Type : Single Peak Component
Retention Time : 15.026 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BFB
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
TFT/BFB 1	150.0000	277746.19	26986.71	----------	----------	1
TFT/BFB 2	225.0000	407180.00	42861.93	----------	----------	1
TFT/BFB 3	450.0000	963440.00	116699.96	----------	----------	1
TFT/BFB 4	675.0000	1533580.00	199022.57	----------	----------	1
TFT/BFB 5	950.0000	2285649.17	304148.23	----------	----------	1

Average Calibration Factor = 2096.044961 (%RSD = 12.41)

Calibration Replicate Lists:

Component: MTBE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1257.56	195.13	2.5000	----------	----------	11/10/98 02:13 PM	313H016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2344.35	355.00	5.0000	----------	----------	11/10/98 02:13 PM	313H017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
5412.07	851.92	12.5000	----------	----------	11/10/98 02:13 PM	313H018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
18275.00	2787.14	50.0000	----------	----------	11/10/98 02:13 PM	313H019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
42799.33	6679.09	100.0000	----------	----------	11/10/98 02:13 PM	313H020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
103608.39	16415.26	250.0000	----------	----------	11/10/98 02:13 PM	313H021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
215657.71	34818.69	500.0000	----------	----------	11/10/98 02:13 PM	313H022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
330622.19	53484.10	750.0000	----------	----------	11/10/98 02:13 PM	313H023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
437084.23	71052.59	1000.0000	----------	----------	11/10/98 02:13 PM	313H024P

Component: BENZENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
9220.00	1182.85	2.5000	----------	----------	11/10/98	02:13 PM	313H016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
17419.47	2287.61	5.0000	----------	----------	11/10/98	02:13 PM	313H017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
41290.00	6008.95	12.5000	----------	----------	11/10/98	02:13 PM	313H018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
119980.00	17725.34	50.0000	----------	----------	11/10/98	02:13 PM	313H019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
316002.99	47740.88	100.0000	----------	----------	11/10/98	02:13 PM	313H020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
750110.00	115632.87	250.0000	----------	----------	11/10/98	02:13 PM	313H021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1372740.00	214694.33	500.0000	----------	----------	11/10/98	02:13 PM	313H022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2173450.00	340705.39	750.0000	----------	----------	11/10/98	02:13 PM	313H023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2934476.24	458504.50	1000.0000	----------	----------	11/10/98	02:13 PM	313H024P

Component: TRIFLUOROTOLUENE

Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
203810.00	26800.45	150.0000	----------	----------	11/10/98	07:33 PM	313H026P

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
290230.00	38846.47	225.0000	----------	----------	11/10/98	07:33 PM	313H027P

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
603840.00	83540.10	450.0000	----------	----------	11/10/98	07:33 PM	313H028P

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
922860.00	126512.59	675.0000	----------	----------	11/10/98	07:33 PM	313H029P

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1345055.00	184773.25	950.0000	----------	----------	11/10/98	07:33 PM	313H030P

Component: TOLUENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
8220.00	1125.30	2.5000	----------	----------	11/10/98	02:13 PM	313H016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
15855.00	2086.36	5.0000	----------	----------	11/10/98	02:13 PM	313H017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
39160.00	5322.96	12.5000	----------	----------	11/10/98	02:13 PM	313H018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
107930.00	15419.64	50.0000	----------	----------	11/10/98	02:13 PM	313H019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
288090.00	41297.86	100.0000	----------	----------	11/10/98	02:13 PM	313H020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
679010.00	101124.22	250.0000	----------	----------	11/10/98	02:13 PM	313H021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1251439.72	188283.55	500.0000	----------	----------	11/10/98	02:13 PM	313H022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2015110.00	307169.00	750.0000	----------	----------	11/10/98	02:13 PM	313H023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2708325.38	415453.92	1000.0000	----------	----------	11/10/98	02:13 PM	313H024P

Component: ETHYLBENZENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
6355.71	731.69	2.5000	----------	----------	11/10/98	02:13 PM	313H016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
11648.00	1435.76	5.0000	----------	----------	11/10/98	02:13 PM	313H017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
29892.61	4079.81	12.5000	----------	----------	11/10/98	02:13 PM	313H018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
84983.33	12226.59	50.0000	----------	----------	11/10/98	02:13 PM	313H019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
226439.14	33635.37	100.0000	----------	----------	11/10/98	02:13 PM	313H020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
549781.58	84615.72	250.0000	----------	----------	11/10/98	02:13 PM	313H021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1019258.16	157927.43	500.0000	----------	----------	11/10/98	02:13 PM	313H022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1679056.32	262747.98	750.0000	----------	----------	11/10/98	02:13 PM	313H023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2255717.37	354960.04	1000.0000	----------	----------	11/10/98	02:13 PM	313H024P

Component: m,p-XYLENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
14038.18	1545.80	5.0000	----------	----------	11/10/98	02:13 PM	313H016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
27417.00	3094.98	10.0000	----------	----------	11/10/98	02:13 PM	313H017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
74542.39	9047.01	25.0000	----------	----------	11/10/98	02:13 PM	313H018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
216776.67	27856.30	100.0000	----------	----------	11/10/98	02:13 PM	313H019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
571580.86	76689.74	200.0000	----------	----------	11/10/98	02:13 PM	313H020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1355728.42	188637.83	500.0000	----------	----------	11/10/98	02:13 PM	313H021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2475541.84	354866.20	1000.0000	----------	----------	11/10/98	02:13 PM	313H022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
4044373.68	594085.75	1500.0000	----------	----------	11/10/98	02:13 PM	313H023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5411482.63	804443.54	2000.0000	----------	----------	11/10/98	02:13 PM	313H024P

Component: o-XYLENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5610.00	696.09	2.5000	----------	----------	11/10/98	02:13 PM	313H016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
10640.00	1362.01	5.0000	----------	----------	11/10/98	02:13 PM	313H017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
30180.00	3952.68	12.5000	----------	----------	11/10/98	02:13 PM	313H018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
90330.00	12277.52	50.0000	----------	----------	11/10/98	02:13 PM	313H019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
236885.00	33371.65	100.0000	----------	----------	11/10/98	02:13 PM	313H020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
567390.00	82313.24	250.0000	----------	----------	11/10/98	02:13 PM	313H021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1042965.00	154558.78	500.0000	----------	----------	11/10/98	02:13 PM	313H022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1704210.00	255569.75	750.0000	----------	----------	11/10/98	02:13 PM	313H023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2278930.00	347755.61	1000.0000	----------	----------	11/10/98	02:13 PM	313H024P

Component: BROMOFLUOROBENZENE

Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File

277746.19	26986.71	150.0000	----------	----------	11/10/98	07:33 PM	313H026P

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
407180.00	42861.93	225.0000	----------	----------	11/10/98	07:33 PM	313H027P

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
963440.00	116699.96	450.0000	----------	----------	11/10/98	07:33 PM	313H028P

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1533580.00	199022.57	675.0000	----------	----------	11/10/98	07:33 PM	313H029P

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2285649.17	304148.23	950.0000	----------	----------	11/10/98	07:33 PM	313H030P

Turbochrom Method File : G:\GC05\METHODS\E_111098.MTH
Created by : AMP on : 11/10/98 07:32 PM
Edited by : TEW on : 11/10/98 07:32 PM
Description :
BTXE ICAL DATE: 10NOV98 from NOV09.SEQ
SURROGATES ICAL DATE: 10NOV98 from NOV09.SEQ

Number of Times Edited : 0
Number of Times Calibrated : 22

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 :

MTBE

Component Type : Single Peak Component
Retention Time : 2.520 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : MTBE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 2	5.0000	7172.73	1067.24			1
BTXE 3	12.5000	12330.00	2085.00			1
BTXE 4	50.0000	38890.00	6744.08			1
BTXE 5	100.0000	90340.00	16419.38			1
BTXE 6	250.0000	229444.00	42068.47			1
BTXE 7	500.0000	485500.00	90722.87			1
BTXE 8	750.0000	754050.00	141928.04			1
BTXE 9	1000.0000	1010350.00	190850.23			1

Average Calibration Factor = 1000.833932 (%RSD = 19.09)

BENZENE

Component Type : Single Peak Component
Retention Time : 4.530 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)

User Values:

Label : BENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	2.5000	14608.44	2389.48			1
BTXE 2	5.0000	26187.86	4572.86			1
BTXE 3	12.5000	82640.00	13367.39			1
BTXE 4	50.0000	256847.37	42063.66			1
BTXE 5	100.0000	722150.00	119596.05			1
BTXE 6	250.0000	1815720.00	301240.12			1
BTXE 7	500.0000	3383780.00	566457.43			1
BTXE 8	750.0000	5494500.00	919990.96			1
BTXE 9	1000.0000	7517675.00	1.26e+06			1

Average Calibration Factor = 6547.189866 (%RSD = 14.05)

TRIFLUOROTOLUENE

Component Type : Single Peak Component
Retention Time : 6.071 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:

Label : TFT
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
TFT/BFB 1	150.0000	449060.00	64095.03			1
TFT/BFB 2	225.0000	663133.94	96040.82			1
TFT/BFB 3	450.0000	1477880.00	216767.63			1
TFT/BFB 4	675.0000	2302060.00	335894.38			1
TFT/BFB 5	950.0000	3405210.00	492069.95			1

Average Calibration Factor = 3244.012778 (%RSD = 8.38)

TOLUENE

Component Type : Single Peak Component
Retention Time : 8.195 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:

Label : TOLUENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	2.5000	13530.00	2041.92	----------	----------	1
BTXE 2	5.0000	28657.14	4198.96	----------	----------	1
BTXE 3	12.5000	76270.00	11340.62	----------	----------	1
BTXE 4	50.0000	218970.00	34189.49	----------	----------	1
BTXE 5	100.0000	620510.00	97945.35	----------	----------	1
BTXE 6	250.0000	1579570.00	250328.21	----------	----------	1
BTXE 7	500.0000	3053200.00	478621.33	----------	----------	1
BTXE 8	750.0000	5070500.00	798503.25	----------	----------	1
BTXE 9	1000.0000	6908530.00	1.09e+06	----------	----------	1

Average Calibration Factor = 5991.489471 (%RSD = 12.67)

ETHYLBENZENE

Component Type : Single Peak Component
Retention Time : 11.718 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : ETHYLBENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	2.5000	9272.00	1238.98	----------	----------	1
BTXE 2	5.0000	17410.00	2516.37	----------	----------	1
BTXE 3	12.5000	56528.00	8120.47	----------	----------	1
BTXE 4	50.0000	181004.58	27014.39	----------	----------	1
BTXE 5	100.0000	525179.75	80096.18	----------	----------	1
BTXE 6	250.0000	1341989.55	209129.82	----------	----------	1
BTXE 7	500.0000	2566656.96	401664.53	----------	----------	1
BTXE 8	750.0000	4355934.64	683890.30	----------	----------	1
BTXE 9	1000.0000	5936399.86	936644.99	----------	----------	1

Average Calibration Factor = 4758.945987 (%RSD = 20.11)

m,p-XYLENE

Component Type : Single Peak Component
Retention Time : 12.051 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : m,p-XYLENE
Value 1: 100.000000
Value 2: 200.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	5.0000	23602.00	2686.31	----------	----------	1
BTXE 2	10.0000	43830.00	5435.22	----------	----------	1
BTXE 3	25.0000	146462.67	17543.05	----------	----------	1

BTXE 4	100.0000	474880.42	57820.70	----------	----------	1
BTXE 5	200.0000	1350538.35	166943.90	----------	----------	1
BTXE 6	500.0000	3361835.45	430183.97	----------	----------	1
BTXE 7	1000.0000	6336273.04	825566.48	----------	----------	1
BTXE 8	1500.0000	10594705.36	1.41e+06	----------	----------	1
BTXE 9	2000.0000	14364240.14	1.93e+06	----------	----------	1

Average Calibration Factor = 5974.289284 (%RSD = 18.30)

o-XYLENE

Component Type : Single Peak Component
Retention Time : 12.852 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : o-XYLENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
BTXE 1	2.5000	8564.20	1173.31	----------	----------	1
BTXE 2	5.0000	20790.00	2780.27	----------	----------	1
BTXE 3	12.5000	59135.00	8340.49	----------	----------	1
BTXE 4	50.0000	191975.51	27002.62	----------	----------	1
BTXE 5	100.0000	544616.94	77686.05	----------	----------	1
BTXE 6	250.0000	1345005.00	201298.45	----------	----------	1
BTXE 7	500.0000	2565692.50	388917.05	----------	----------	1
BTXE 8	750.0000	4290135.00	659460.44	----------	----------	1
BTXE 9	1000.0000	5824815.00	905046.67	----------	----------	1

Average Calibration Factor = 4850.728847 (%RSD = 17.80)

BROMOFLUOROBENZENE

Component Type : Single Peak Component
Retention Time : 13.700 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BFB
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replic
TFT/BFB 1	150.0000	594925.00	56392.41	----------	----------	1
TFT/BFB 2	225.0000	928110.00	95695.30	----------	----------	1
TFT/BFB 3	450.0000	2390615.00	279218.56	----------	----------	1
TFT/BFB 4	675.0000	3967470.00	495919.36	----------	----------	1
TFT/BFB 5	950.0000	5985810.00	774553.59	----------	----------	1

Average Calibration Factor = 5116.432749 (%RSD = 20.33)

Calibration Replicate Lists:

Component: MTBE

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
7172.73	1067.24	5.0000	----------	----------	11/10/98 02:19 PM	313E017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
12330.00	2085.00	12.5000	----------	----------	11/10/98 02:19 PM	313E018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
38890.00	6744.08	50.0000	----------	----------	11/10/98 02:19 PM	313E019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
90340.00	16419.38	100.0000	----------	----------	11/10/98 02:19 PM	313E020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
229444.00	42068.47	250.0000	----------	----------	11/10/98 02:19 PM	313E021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
485500.00	90722.87	500.0000	----------	----------	11/10/98 02:19 PM	313E022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
754050.00	141928.04	750.0000	----------	----------	11/10/98 02:19 PM	313E023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1010350.00	190850.23	1000.0000	----------	----------	11/10/98 02:19 PM	313E024P

Component: BENZENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
14608.44	2389.48	2.5000	----------	----------	11/10/98 02:19 PM	313E016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
26187.86	4572.86	5.0000	----------	----------	11/10/98 02:19 PM	313E017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
82640.00	13367.39	12.5000	----------	----------	11/10/98	02:19 PM	313E018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
256847.37	42063.66	50.0000	----------	----------	11/10/98	02:19 PM	313E019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
722150.00	119596.05	100.0000	----------	----------	11/10/98	02:19 PM	313E020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1815720.00	301240.12	250.0000	----------	----------	11/10/98	02:19 PM	313E021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
3383780.00	566457.43	500.0000	----------	----------	11/10/98	02:19 PM	313E022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5494500.00	919990.96	750.0000	----------	----------	11/10/98	02:19 PM	313E023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
7517675.00	1.25736e+06	1000.0000	----------	----------	11/10/98	02:19 PM	313E024P

Component: TRIFLUOROTOLUENE

Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
449060.00	64095.03	150.0000	----------	----------	11/10/98	07:31 PM	313E026P

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
663133.94	96040.82	225.0000	----------	----------	11/10/98	07:31 PM	313E027P

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1477880.00	216767.63	450.0000	----------	----------	11/10/98	07:31 PM	313E028P

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2302060.00	335894.38	675.0000	----------	----------	11/10/98	07:31 PM	313E029P

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
3405210.00	492069.95	950.0000	----------	----------	11/10/98	07:31 PM	313E030P

Component: TOLUENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
13530.00	2041.92	2.5000	----------	----------	11/10/98	02:19 PM	313E016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
28657.14	4198.96	5.0000	----------	----------	11/10/98	02:19 PM	313E017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
76270.00	11340.62	12.5000	----------	----------	11/10/98	02:19 PM	313E018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
218970.00	34189.49	50.0000	----------	----------	11/10/98	02:19 PM	313E019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
620510.00	97945.35	100.0000	----------	----------	11/10/98	02:19 PM	313E020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1579570.00	250328.21	250.0000	----------	----------	11/10/98	02:19 PM	313E021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
3053200.00	478621.33	500.0000	----------	----------	11/10/98	02:19 PM	313E022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5070500.00	798503.25	750.0000	----------	----------	11/10/98	02:19 PM	313E023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
6908530.00	1.09459e+06	1000.0000	----------	----------	11/10/98	02:19 PM	313E024P

Component: ETHYLBENZENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
9272.00	1238.98	2.5000	----------	----------	11/10/98	02:19 PM	313E016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
17410.00	2516.37	5.0000	----------	----------	11/10/98	02:19 PM	313E017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
56528.00	8120.47	12.5000	----------	----------	11/10/98	02:19 PM	313E018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
181004.58	27014.39	50.0000	----------	----------	11/10/98	02:19 PM	313E019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
525179.75	80096.18	100.0000	----------	----------	11/10/98	02:19 PM	313E020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1341989.55	209129.82	250.0000	----------	----------	11/10/98	02:19 PM	313E021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2566656.96	401664.53	500.0000	----------	----------	11/10/98	02:19 PM	313E022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
4355934.64	683890.30	750.0000	----------	----------	11/10/98	02:19 PM	313E023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5936399.86	936644.99	1000.0000	----------	----------	11/10/98	02:19 PM	313E024P

Component: m,p-XYLENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
23602.00	2686.31	5.0000	----------	----------	11/10/98	02:19 PM	313E016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
43830.00	5435.22	10.0000	----------	----------	11/10/98	02:19 PM	313E017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
146462.67	17543.05	25.0000	----------	----------	11/10/98	02:19 PM	313E018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
474880.42	57820.70	100.0000	----------	----------	11/10/98	02:19 PM	313E019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1350538.35	166943.90	200.0000	----------	----------	11/10/98	02:19 PM	313E020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
3361835.45	430183.97	500.0000	----------	----------	11/10/98	02:19 PM	313E021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
6336273.04	825566.48	1000.0000	----------	----------	11/10/98	02:19 PM	313E022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
10594705.36	1.40713e+06	1500.0000	----------	----------	11/10/98	02:19 PM	313E023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
14364240.14	1.93284e+06	2000.0000	----------	----------	11/10/98	02:19 PM	313E024P

Component: o-XYLENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File

8564.20	1173.31	2.5000	----------	----------	11/10/98	02:19 PM	313E016P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
20790.00	2780.27	5.0000	----------	----------	11/10/98	02:19 PM	313E017P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
59135.00	8340.49	12.5000	----------	----------	11/10/98	02:19 PM	313E018P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
191975.51	27002.62	50.0000	----------	----------	11/10/98	02:19 PM	313E019P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
544616.94	77686.05	100.0000	----------	----------	11/10/98	02:19 PM	313E020P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1345005.00	201298.45	250.0000	----------	----------	11/10/98	02:19 PM	313E021P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2565692.50	388917.05	500.0000	----------	----------	11/10/98	02:19 PM	313E022P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
4290135.00	659460.44	750.0000	----------	----------	11/10/98	02:19 PM	313E023P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5824815.00	905046.67	1000.0000	----------	----------	11/10/98	02:19 PM	313E024P

Component: BROMOFLUOROBENZENE

Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
594925.00	56392.41	150.0000	----------	----------	11/10/98	07:31 PM	313E026P

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
928110.00	95695.30	225.0000	----------	----------	11/10/98	07:31 PM	313E027P

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2390615.00	279218.56	450.0000	----------	----------	11/10/98	07:31 PM	313E028P

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
3967470.00	495919.36	675.0000	----------	----------	11/10/98	07:31 PM	313E029P

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5985810.00	774553.59	950.0000	----------	----------	11/10/98	07:31 PM	313E030P

Turbochrom Method File : G:\GC19\METHODS\Y_111298.MTH
Created by : AMP on : 11/12/98 07:26 PM
Edited by : rd on : 11/12/98 07:26 PM
Description : GC19_TVHBTXE CHANNEL B PID QUANT.
'Y' DATA FILE ID. ICAL METHOD FOR MTBE,BTXE,
DFT AND BFB SURROGATES
BTEX ICAL FROM OCT22CAL.SEQ, CALIBRATED ON 10/23/98
SURROGATES FROM OCT22CAL.SEQ, CALIBRATED ON 10/23/98
RF's updated 11/12/98

Number of Times Edited : 0
Number of Times Calibrated : 9

Global Information :

Default Sample Volume : 1.000 uL
Quantitation Units : ngs
Void Time : 0.000 min
Correct amounts during calibration : NO
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 :

MTBE

Component Type : Single Peak Component
Retention Time : 2.531 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : MTBE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	3065.91	455.75	----------	----------	1
BTXE 2	5.0000	3590.00	570.99	----------	----------	1
BTXE 3	12.5000	5280.00	1026.54	----------	----------	1
BTXE 4	50.0000	17591.76	3713.59	----------	----------	1
BTXE 5	100.0000	31110.00	7362.99	----------	----------	1
BTXE 6	250.0000	77672.59	18589.85	----------	----------	1
BTXE 7	500.0000	157040.00	39960.83	----------	----------	1
BTXE 8	750.0000	240720.00	61544.55	----------	----------	1
BTXE 9	1000.0000	334142.67	83663.25	----------	----------	1

Average Calibration Factor = 478.841330 (%RSD = 64.57)

BENZENE

Component Type : Single Peak Component
Retention Time : 3.985 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:

Label : BENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	2838.30	673.90			1
BTXE 2	5.0000	5442.41	1272.26			1
BTXE 3	12.5000	12960.00	3070.17			1
BTXE 4	50.0000	53670.00	13101.09			1
BTXE 5	100.0000	107920.00	26247.05			1
BTXE 6	250.0000	288750.00	70406.45			1
BTXE 7	500.0000	589550.00	144598.60			1
BTXE 8	750.0000	892320.00	217782.77			1
BTXE 9	1000.0000	1216475.00	291075.93			1

Average Calibration Factor = 1128.170804 (%RSD = 5.45)

TRIFLUOROTOLUENE

Component Type : Single Peak Component
Retention Time : 5.267 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TFT
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	52310.00	11271.90			1
TFT/BFB 2	225.0000	79590.00	17245.87			1
TFT/BFB 3	450.0000	176687.31	38054.29			1
TFT/BFB 4	675.0000	258507.50	56732.25			1
TFT/BFB 5	950.0000	392576.92	86474.03			1

Average Calibration Factor = 378.263614 (%RSD = 7.15)

TOLUENE

Component Type : Single Peak Component
Retention Time : 7.151 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TOLUENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	2830.00	649.94			1
BTXE 2	5.0000	5320.00	1196.06			1
BTXE 3	12.5000	12290.00	2713.32			1
BTXE 4	50.0000	48195.00	10876.89			1

BTXE 5	100.0000	97300.00	22054.19	----------	----------	1
BTXE 6	250.0000	262880.00	60310.29	----------	----------	1
BTXE 7	500.0000	542230.00	123284.64	----------	----------	1
BTXE 8	750.0000	832395.00	187749.06	----------	----------	1
BTXE 9	1000.0000	1128600.00	253261.54	----------	----------	1

Average Calibration Factor = 1054.504444 (%RSD = 6.32)

ETHYLBENZENE

Component Type : Single Peak Component
Retention Time : 10.753 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : ETHYLBENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	2230.00	448.96	----------	----------	1
BTXE 2	5.0000	4195.73	854.68	----------	----------	1
BTXE 3	12.5000	10310.00	2124.72	----------	----------	1
BTXE 4	50.0000	42180.00	8881.95	----------	----------	1
BTXE 5	100.0000	85350.00	18181.63	----------	----------	1
BTXE 6	250.0000	230310.00	49655.41	----------	----------	1
BTXE 7	500.0000	476080.00	102016.74	----------	----------	1
BTXE 8	750.0000	740185.00	156620.87	----------	----------	1
BTXE 9	1000.0000	1002120.00	211153.41	----------	----------	1

Average Calibration Factor = 901.719964 (%RSD = 7.43)

m,p-XYLENE

Component Type : Single Peak Component
Retention Time : 11.106 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : m,p-XYLENE
Value 1: 100.000000
Value 2: 200.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	5.0000	5926.67	986.25	----------	----------	1
BTXE 2	10.0000	9979.27	1869.53	----------	----------	1
BTXE 3	25.0000	23880.00	4625.28	----------	----------	1
BTXE 4	100.0000	99350.00	19734.47	----------	----------	1
BTXE 5	200.0000	203650.00	40924.97	----------	----------	1
BTXE 6	500.0000	550690.00	109518.64	----------	----------	1
BTXE 7	1000.0000	1118290.00	220936.43	----------	----------	1
BTXE 8	1500.0000	1722140.00	336461.09	----------	----------	1
BTXE 9	2000.0000	2306375.00	452237.80	----------	----------	1

Average Calibration Factor = 1074.573444 (%RSD = 7.81)

o-XYLENE

Component Type : Single Peak Component

Retention Time : 12.037 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : o-XYLENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	2103.33	414.65	----------	----------	1
BTXE 2	5.0000	4350.00	811.12	----------	----------	1
BTXE 3	12.5000	9700.00	1984.52	----------	----------	1
BTXE 4	50.0000	39610.00	8157.25	----------	----------	1
BTXE 5	100.0000	79310.00	16560.18	----------	----------	1
BTXE 6	250.0000	214650.00	45190.53	----------	----------	1
BTXE 7	500.0000	442250.00	93175.68	----------	----------	1
BTXE 8	750.0000	692020.00	145065.33	----------	----------	1
BTXE 9	1000.0000	934140.00	195796.09	----------	----------	1

Average Calibration Factor = 852.507407 (%RSD = 6.70)

BROMOFLUOROBENZENE
Component Type : Single Peak Component
Retention Time : 13.234 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BFB
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	107805.00	21539.53	----------	----------	1
TFT/BFB 2	225.0000	155295.00	31558.91	----------	----------	1
TFT/BFB 3	450.0000	339530.00	69360.25	----------	----------	1
TFT/BFB 4	675.0000	499010.00	103080.47	----------	----------	1
TFT/BFB 5	950.0000	754670.00	154488.97	----------	----------	1

Average Calibration Factor = 739.414932 (%RSD = 5.28)

Calibration Replicate Lists:
Component: MTBE
Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
3065.91	455.75	2.5000	----------	----------	10/23/98	12:41 PM	295Y008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
3590.00	670.99	5.0000	----------	----------	10/23/98	12:41 PM	295Y009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5280.00	1026.54	12.5000	----------	----------	10/23/98	12:41 PM	295Y010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
17591.76	3713.59	50.0000	----------	----------	10/23/98	12:41 PM	295Y011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
31110.00	7362.99	100.0000	----------	----------	10/23/98	12:41 PM	295Y012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
77672.59	18589.85	250.0000	----------	----------	10/23/98	12:41 PM	295Y013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
157040.00	39960.83	500.0000	----------	----------	10/23/98	12:41 PM	295Y014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
240720.00	61544.55	750.0000	----------	----------	10/23/98	12:41 PM	295Y015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
334142.67	83663.25	1000.0000	----------	----------	10/23/98	12:41 PM	295Y016P

Component: BENZENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2838.30	673.90	2.5000	----------	----------	10/23/98	12:41 PM	295Y008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5442.41	1272.26	5.0000	----------	----------	10/23/98	12:41 PM	295Y009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
12960.00	3070.17	12.5000	----------	----------	10/23/98	12:41 PM	295Y010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
53670.00	13101.09	50.0000	----------	----------	10/23/98	12:41 PM	295Y011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
107920.00	26247.05	100.0000	----------	----------	10/23/98	12:41 PM	295Y012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
288750.00	70406.45	250.0000	----------	----------	10/23/98	12:41 PM	295Y013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
589550.00	144598.60	500.0000	----------	----------	10/23/98	12:41 PM	295Y014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
892320.00	217782.77	750.0000	----------	----------	10/23/98	12:41 PM	295Y015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1216475.00	291075.93	1000.0000	----------	----------	10/23/98	12:41 PM	295Y016P

Component: TRIFLUOROTOLUENE

Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
52310.00	11271.90	150.0000	----------	----------	10/23/98	12:41 PM	295Y002P

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
79590.00	17245.87	225.0000	----------	----------	10/23/98	12:41 PM	295Y003P

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
176687.31	38054.29	450.0000	----------	----------	10/23/98	12:41 PM	295Y004P

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
258507.50	56732.25	675.0000	----------	----------	10/23/98	12:41 PM	295Y005P

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
392576.92	86474.03	950.0000	----------	----------	10/23/98	12:41 PM	295Y006P

Component: TOLUENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2830.00	649.94	2.5000	----------	----------	10/23/98	12:41 PM	295Y008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5320.00	1196.06	5.0000	----------	----------	10/23/98	12:41 PM	295Y009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
12290.00	2713.32	12.5000	----------	----------	10/23/98	12:41 PM	295Y010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
48195.00	10876.89	50.0000	----------	----------	10/23/98	12:41 PM	295Y011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
97300.00	22054.19	100.0000	----------	----------	10/23/98	12:41 PM	295Y012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
262880.00	60310.29	250.0000	----------	----------	10/23/98	12:41 PM	295Y013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
542230.00	123284.64	500.0000	----------	----------	10/23/98	12:41 PM	295Y014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
832395.00	187749.06	750.0000	----------	----------	10/23/98	12:41 PM	295Y015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1128600.00	253261.54	1000.0000	----------	----------	10/23/98	12:41 PM	295Y016P

Component: ETHYLBENZENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2230.00	448.96	2.5000	----------	----------	10/23/98	12:41 PM	295Y008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
4195.73	854.68	5.0000	----------	----------	10/23/98	12:41 PM	295Y009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
10310.00	2124.72	12.5000	----------	----------	10/23/98	12:41 PM	295Y010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
42180.00	8881.95	50.0000	----------	----------	10/23/98	12:41 PM	295Y011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
85350.00	18181.63	100.0000	----------	----------	10/23/98	12:41 PM	295Y012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
230310.00	49655.41	250.0000	----------	----------	10/23/98	12:41 PM	295Y013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
476080.00	102016.74	500.0000	----------	----------	10/23/98	12:41 PM	295Y014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
740185.00	156620.87	750.0000	----------	----------	10/23/98	12:41 PM	295Y015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1002120.00	211153.41	1000.0000	----------	----------	10/23/98	12:41 PM	295Y016P

Component: m,p-XYLENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5926.67	986.25	5.0000	----------	----------	10/23/98	12:41 PM	295Y008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
9979.27	1869.53	10.0000	----------	----------	10/23/98	12:41 PM	295Y009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
23880.00	4625.28	25.0000	----------	----------	10/23/98	12:41 PM	295Y010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
99350.00	19734.47	100.0000	----------	----------	10/23/98	12:41 PM	295Y011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
203650.00	40924.97	200.0000	----------	----------	10/23/98	12:41 PM	295Y012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
550690.00	109518.64	500.0000	----------	----------	10/23/98	12:41 PM	295Y013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1118290.00	220936.43	1000.0000	----------	----------	10/23/98	12:41 PM	295Y014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1722140.00	336461.09	1500.0000	----------	----------	10/23/98	12:41 PM	295Y015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2306375.00	452237.80	2000.0000	----------	----------	10/23/98	12:41 PM	295Y016P

Component: o-XYLENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2103.33	414.65	2.5000	----------	----------	10/23/98	12:41 PM	295Y008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
4350.00	811.12	5.0000	----------	----------	10/23/98	12:41 PM	295Y009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
9700.00	1984.52	12.5000	----------	----------	10/23/98	12:41 PM	295Y010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
39610.00	8157.25	50.0000	----------	----------	10/23/98	12:41 PM	295Y011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
79310.00	16560.18	100.0000	----------	----------	10/23/98	12:41 PM	295Y012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
214650.00	45190.53	250.0000	----------	----------	10/23/98	12:41 PM	295Y013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
442250.00	93175.68	500.0000	----------	----------	10/23/98	12:41 PM	295Y014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
692020.00	145065.33	750.0000	----------	----------	10/23/98	12:41 PM	295Y015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
934140.00	195796.09	1000.0000	----------	----------	10/23/98	12:41 PM	295Y016P

Component: BROMOFLUOROBENZENE

Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
107805.00	21539.53	150.0000	----------	----------	10/23/98	12:41 PM	295Y002P

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
155295.00	31558.91	225.0000	----------	----------	10/23/98	12:41 PM	295Y003P

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
339530.00	69360.25	450.0000	----------	----------	10/23/98	12:41 PM	295Y004P

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
499010.00	103080.47	675.0000	----------	----------	10/23/98	12:41 PM	295Y005P

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
754670.00	154488.97	950.0000	----------	----------	10/23/98	12:41 PM	295Y006P

Turbochrom Method File : G:\GC19\METHODS\Z_111298.MTH
Created by : AMP on : 11/12/98 07:31 PM
Edited by : rd on : 11/12/98 07:31 PM
Description : GC19_BTXE ICAL METHOD CHANNEL A 'Z' DATA FILE
BTEX CONFIRMATION
BTEX CONFIRMATION ICAL OCT22CAL.SEQ, CALIBRATED ON 10/23/98
SURROGATE CONFIRMATION ICAL OCT22CAL.SEQ, CALIBRATED ON 10/23/98
RT's updated 11/12/98

Number of Times Edited : 0
Number of Times Calibrated : 12

Global Information :

Default Sample Volume : 1.000 uL
Quantitation Units : ngs
Void Time : 0.000 min
Correct amounts during calibration : NO
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 :

MTBE

Component Type : Single Peak Component
Retention Time : 2.396 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : MTBE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 2	5.0000	28733.04	4959.44	----------	----------	1
BTXE 3	12.5000	50693.64	10013.25	----------	----------	1
BTXE 4	50.0000	168130.00	37379.52	----------	----------	1
BTXE 5	100.0000	317120.00	74770.72	----------	----------	1
BTXE 6	250.0000	812090.00	209496.09	----------	----------	1
BTXE 7	500.0000	1647115.00	425957.44	----------	----------	1
BTXE 8	750.0000	2514060.00	662472.29	----------	----------	1
BTXE 9	1000.0000	3488970.00	900819.32	----------	----------	1

Average Calibration Factor = 3714.942451 (%RSD = 23.29)

BENZENE

Component Type : Single Peak Component
Retention Time : 3.577 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BENZENE
Value 1: 100.000000

Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 2	5.0000	55730.00	13112.78	----------	----------	1
BTXE 3	12.5000	139720.00	32579.11	----------	----------	1
BTXE 4	50.0000	574855.00	147497.20	----------	----------	1
BTXE 5	100.0000	1182280.00	302023.64	----------	----------	1
BTXE 6	250.0000	3178620.00	807510.63	----------	----------	1
BTXE 7	500.0000	6308530.00	1.61e+06	----------	----------	1
BTXE 8	750.0000	9484955.00	2.39e+06	----------	----------	1
BTXE 9	1000.0000	12737410.00	3.16e+06	----------	----------	1

Average Calibration Factor = 12044.882083 (%RSD = 5.89)

TRIFLUOROTOLUENE

Component Type : Single Peak Component
Retention Time : 4.723 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TFT
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	549461.08	119163.35	----------	----------	1
TFT/BFB 2	225.0000	843680.00	185849.76	----------	----------	1
TFT/BFB 3	450.0000	1919180.91	414607.33	----------	----------	1
TFT/BFB 4	675.0000	2762150.00	605878.89	----------	----------	1
TFT/BFB 5	950.0000	4188142.50	912348.79	----------	----------	1

Average Calibration Factor = 4035.650871 (%RSD = 7.98)

TOLUENE

Component Type : Single Peak Component
Retention Time : 6.520 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TOLUENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	28740.00	6234.37	----------	----------	1
BTXE 2	5.0000	56140.00	11974.88	----------	----------	1
BTXE 3	12.5000	126635.00	27071.85	----------	----------	1
BTXE 4	50.0000	506510.00	114757.74	----------	----------	1
BTXE 5	100.0000	1059010.00	239526.21	----------	----------	1
BTXE 6	250.0000	2874265.00	646918.05	----------	----------	1
BTXE 7	500.0000	5746520.00	1.28e+06	----------	----------	1
BTXE 8	750.0000	8772005.00	1.93e+06	----------	----------	1

BTXE 9	1000.0000	11736900.00	2.58e+06	----------	----------	1

Average Calibration Factor = 11110.900741 (%RSD = 5.85)

ETHYLBENZENE

Component Type : Single Peak Component
Retention Time : 10.029 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : ETHYLBENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	20410.00	4123.88	----------	----------	1
BTXE 2	5.0000	41080.00	8237.04	----------	----------	1
BTXE 3	12.5000	106241.37	21027.78	----------	----------	1
BTXE 5	100.0000	910850.00	192146.52	----------	----------	1
BTXE 6	250.0000	2480080.00	523227.55	----------	----------	1
BTXE 7	500.0000	5019860.00	1.05e+06	----------	----------	1
BTXE 8	750.0000	7747290.00	1.59e+06	----------	----------	1
BTXE 9	1000.0000	10348600.00	2.10e+06	----------	----------	1

Average Calibration Factor = 9328.271225 (%RSD = 10.11)

m,p-XYLENE

Component Type : Single Peak Component
Retention Time : 10.390 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : m,p-XYLENE
Value 1: 100.000000
Value 2: 200.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	5.0000	50350.00	8106.88	----------	----------	1
BTXE 2	10.0000	92680.00	15395.44	----------	----------	1
BTXE 3	25.0000	248748.63	39773.53	----------	----------	1
BTXE 4	100.0000	1059870.00	179016.17	----------	----------	1
BTXE 5	200.0000	2195390.00	370243.96	----------	----------	1
BTXE 6	500.0000	5821340.00	970396.88	----------	----------	1
BTXE 7	1000.0000	11592370.00	1.92e+06	----------	----------	1
BTXE 8	1500.0000	17786160.00	2.94e+06	----------	----------	1
BTXE 9	2000.0000	23581370.00	3.88e+06	----------	----------	1

Average Calibration Factor = 10860.752233 (%RSD = 8.66)

o-XYLENE

Component Type : Single Peak Component
Retention Time : 11.232 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)

User Values:
Label : o-XYLENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	20545.00	3980.96	----------	----------	1
BTXE 2	5.0000	40320.00	7812.99	----------	----------	1
BTXE 3	12.5000	101585.00	19534.44	----------	----------	1
BTXE 4	50.0000	413510.00	85326.87	----------	----------	1
BTXE 5	100.0000	849260.00	177595.77	----------	----------	1
BTXE 6	250.0000	2334200.00	479120.82	----------	----------	1
BTXE 7	500.0000	4701670.00	966101.75	----------	----------	1
BTXE 8	750.0000	7307910.00	1.49e+06	----------	----------	1
BTXE 9	1000.0000	9723270.00	1.97e+06	----------	----------	1

Average Calibration Factor = 8819.876667 (%RSD = 8.12)

BROMOFLUOROBENZENE
Component Type : Single Peak Component
Retention Time : 12.138 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BFB
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	1156290.00	220582.44	----------	----------	1
TFT/BFB 2	225.0000	1651825.00	321427.02	----------	----------	1
TFT/BFB 3	450.0000	3598760.00	704402.71	----------	----------	1
TFT/BFB 4	675.0000	5259820.00	1.03e+06	----------	----------	1
TFT/BFB 5	950.0000	7936340.00	1.55e+06	----------	----------	1

Average Calibration Factor = 7838.731384 (%RSD = 4.76)

Calibration Replicate Lists:
Component: MTBE

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
28733.04	4959.44	5.0000	----------	----------	10/23/98 12:49 PM	295Z009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
50693.64	10013.25	12.5000	----------	----------	10/23/98 12:49 PM	295Z010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
168130.00	37379.52	50.0000	----------	----------	10/23/98 12:49 PM	295Z011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
317120.00	74770.72	100.0000	----------	----------	10/23/98 12:49 PM	295Z012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
812090.00	209496.09	250.0000	----------	----------	10/23/98 12:49 PM	295Z013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1647115.00	425957.44	500.0000	----------	----------	10/23/98 12:49 PM	295Z014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2514060.00	662472.29	750.0000	----------	----------	10/23/98 12:49 PM	295Z015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
3488970.00	900819.32	1000.0000	----------	----------	10/23/98 12:49 PM	295Z016P

Component: BENZENE

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
55730.00	13112.78	5.0000	----------	----------	10/23/98 12:49 PM	295Z009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
139720.00	32579.11	12.5000	----------	----------	10/23/98 12:49 PM	295Z010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
574855.00	147497.20	50.0000	----------	----------	10/23/98 12:49 PM	295Z011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1182280.00	302023.64	100.0000	----------	----------	10/23/98 12:49 PM	295Z012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
3178620.00	807510.63	250.0000	----------	----------	10/23/98 12:49 PM	295Z013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
6308530.00	1.61238e+06	500.0000	----------	----------	10/23/98 12:49 PM	295Z014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
9484955.00	2.38669e+06	750.0000	----------	----------	10/23/98 12:49 PM	295Z015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
12737410.00	3.15777e+06	1000.0000	----------	----------	10/23/98 12:49 PM	295Z016P

Component: TRIFLUOROTOLUENE

Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
549461.08	119163.35	150.0000	----------	----------	10/23/98 12:49 PM	295Z002P

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
843680.00	185849.76	225.0000	----------	----------	10/23/98 12:49 PM	295Z003P

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1919180.91	414607.33	450.0000	----------	----------	10/23/98 12:49 PM	295Z004P

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2762150.00	605878.89	675.0000	----------	----------	10/23/98 12:49 PM	295Z005P

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
4188142.50	912348.79	950.0000	----------	----------	10/23/98 12:49 PM	295Z006P

Component: TOLUENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
28740.00	6234.37	2.5000	----------	----------	10/23/98 12:49 PM	295Z008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
56140.00	11974.88	5.0000	----------	----------	10/23/98 12:49 PM	295Z009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
126635.00	27071.85	12.5000	----------	----------	10/23/98 12:49 PM	295Z010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
506510.00	114757.74	50.0000	----------	----------	10/23/98 12:49 PM	295Z011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1059010.00	239526.21	100.0000	----------	----------	10/23/98 12:49 PM	295Z012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2874265.00	646918.05	250.0000	----------	----------	10/23/98 12:49 PM	295Z013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
5746520.00	1.27870e+06	500.0000	----------	----------	10/23/98 12:49 PM	295Z014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
8772005.00	1.92712e+06	750.0000	----------	----------	10/23/98 12:49 PM	295Z015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
11736900.00	2.57747e+06	1000.0000	----------	----------	10/23/98 12:49 PM	295Z016P

Component: ETHYLBENZENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
20410.00	4123.88	2.5000	----------	----------	10/23/98 12:49 PM	295Z008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
41080.00	8237.04	5.0000	----------	----------	10/23/98 12:49 PM	295Z009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
106241.37	21027.78	12.5000	----------	----------	10/23/98 12:49 PM	295Z010P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
910850.00	192146.52	100.0000	----------	----------	10/23/98 12:49 PM	295Z012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2480080.00	523227.55	250.0000	----------	----------	10/23/98 12:49 PM	295Z013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5019860.00	1.04627e+06	500.0000	----------	----------	10/23/98	12:49 PM	295Z014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
7747290.00	1.58830e+06	750.0000	----------	----------	10/23/98	12:49 PM	295Z015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
10348600.00	2.10494e+06	1000.0000	----------	----------	10/23/98	12:49 PM	295Z016P

Component: m,p-XYLENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
50350.00	8106.88	5.0000	----------	----------	10/23/98	12:49 PM	295Z008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
92680.00	15395.44	10.0000	----------	----------	10/23/98	12:49 PM	295Z009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
248748.63	39773.53	25.0000	----------	----------	10/23/98	12:49 PM	295Z010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1059870.00	179016.17	100.0000	----------	----------	10/23/98	12:49 PM	295Z011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2195390.00	370243.96	200.0000	----------	----------	10/23/98	12:49 PM	295Z012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5821340.00	970396.88	500.0000	----------	----------	10/23/98	12:49 PM	295Z013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
11592370.00	1.92143e+06	1000.0000	----------	----------	10/23/98	12:49 PM	295Z014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
17786160.00	2.93956e+06	1500.0000	----------	----------	10/23/98	12:49 PM	295Z015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
23581370.00	3.87946e+06	2000.0000	----------	----------	10/23/98 12:49 PM	295Z016P

Component: o-XYLENE

Level : BTXE 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
20545.00	3980.96	2.5000	----------	----------	10/23/98 12:49 PM	295Z008P

Level : BTXE 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
40320.00	7812.99	5.0000	----------	----------	10/23/98 12:49 PM	295Z009P

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
101585.00	19534.44	12.5000	----------	----------	10/23/98 12:49 PM	295Z010P

Level : BTXE 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
413510.00	85326.87	50.0000	----------	----------	10/23/98 12:49 PM	295Z011P

Level : BTXE 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
849260.00	177595.77	100.0000	----------	----------	10/23/98 12:49 PM	295Z012P

Level : BTXE 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2334200.00	479120.82	250.0000	----------	----------	10/23/98 12:49 PM	295Z013P

Level : BTXE 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
4701670.00	966101.75	500.0000	----------	----------	10/23/98 12:49 PM	295Z014P

Level : BTXE 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
7307910.00	1.49487e+06	750.0000	----------	----------	10/23/98 12:49 PM	295Z015P

Level : BTXE 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
9723270.00	1.96558e+06	1000.0000	----------	----------	10/23/98 12:49 PM	295Z016P

Component: BROMOFLUOROBENZENE

Level : TFT/BFB 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1156290.00	220582.44	150.0000	----------	----------	10/23/98	12:49 PM	295Z002P

Level : TFT/BFB 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1651825.00	321427.02	225.0000	----------	----------	10/23/98	12:49 PM	295Z003P

Level : TFT/BFB 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
3598760.00	704402.71	450.0000	----------	----------	10/23/98	12:49 PM	295Z004P

Level : TFT/BFB 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5259820.00	1.03030e+06	675.0000	----------	----------	10/23/98	12:49 PM	295Z005P

Level : TFT/BFB 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
7936340.00	1.55257e+06	950.0000	----------	----------	10/23/98	12:49 PM	295Z006P

TOTAL VOLATILE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Instrument ID:	GC05	Matrix :	Water
Sequence ID:	Nov10	Batch Number:	44530
ICAL Date:	10-Nov-98	LIMS STANDARD ID:	98WS6477

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT ug/L	NOM AMOUNT ug/L	%D	CCV STAT	TFT REC. %	BFB REC. %	SURR. STATUS
GASOLINE	314G002	10-Nov-98	1973.63	2000	1	PASS	127	128	PASS
GASOLINE	314G017	11-Nov-98	2279.71	2000	14	PASS	142	143	PASS

QC LIMITS: CCV = %D of amounts must be less than or equal to 15%

Surrogate Recovery Limits = 59 - 162%

COMMENTS: _____

BTXE CALIBRATION VERIFICATION SUMMARY

Instrument ID:	GC05	Matrix :	Water
Sequence ID:	Nov10	Batch Number:	44530
ICAL Date:	10-Nov-98	LIMS STANDARD ID:	98WS6666

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	20.50	3	PASS
BENZENE	20.00	19.97	0	PASS
TOLUENE	20.00	20.28	1	PASS
ETHYLBENZENE	20.00	20.57	3	PASS
m,p-XYLENE	40.00	42.92	7	PASS
o-XYLENE	20.00	21.38	7	PASS

FILENAME: 314H003
INJECTION DATE: Nov10

TFT REC. %	BFB REC. %	SURR STAT
101	117	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	22.73	14	PASS
BENZENE	20.00	20.98	5	PASS
TOLUENE	20.00	21.40	7	PASS
ETHYLBENZENE	20.00	22.07	10	PASS
m,p-XYLENE	40.00	45.94	15	PASS
o-XYLENE	20.00	22.85	14	PASS

FILENAME: 314H021
INJECTION DATE: Nov11

TFT REC. %	BFB REC. %	SURR STAT
102	120	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	23.22	16	PASS
BENZENE	20.00	20.24	1	PASS
TOLUENE	20.00	20.83	4	PASS
ETHYLBENZENE	20.00	20.78	4	PASS
m,p-XYLENE	40.00	44.30	11	PASS
o-XYLENE	20.00	22.25	11	PASS

FILENAME: 314H032
INJECTION DATE: Nov11

TFT REC. %	BFB REC. %	SURR STAT
111	138	PASS

QC LIMITS: CCV = %D of BTXE amounts must be less than or equal to 15% , 20% for MTBE
Surrogate Recovery Limits = TFT 53 - 124% and BFB 41 - 142%

MTBE SINGLE POINT QUANTITATION SUMMARY

SEQUENCE ID: NOV12 **BATCH:** 44601 Reporting Limit 2.0 ug/L
INSTRUMENT ID: GC19 **MATRIX:** WATER

MTBE STD. CONC. (ug/L)	CCV FILENAME	DATE ANALYZED	AREA	CALIBRATION FACTOR	% DIFF.	CCV STATUS
20	316Z008	11/13/98	328870	**16444**	0	
20	316Z022	11/13/98	331620	16581	1	PASS
20	316Z029	11/13/98	330265	16513	0	PASS

CCVs,LCS,QC SAMPLE #	FILENAME	AREA	Inst. Conc. ug/L	D.F.	Rpt.Conc. ug/L
MB,QC84459	316Z010	12725	0.77	1	**0.77**
136445-001	316Z011	0	0.00	1	**0.00**
136445-005	316Z012	0	0.00	1	**0.00**
136445-003	316Z013	0	0.00	2	**0.00**
136445-007	316Z014	0	0.00	2	**0.00**
136386-005	316Z016	0	0.00	1	**0.00**
136386-007	316Z017	0	0.00	20	**0.00**
136386-003	316Z019	0	0.00	50	**0.00**
136386-001	316Z020	0	0.00	125	**0.00**
BS,QC84460	316Z024	353610	21.50	1	**21.50**
BSD,QC84461	316Z025	348130	21.17	1	**21.17**

BTXE CALIBRATION VERIFICATION SUMMARY

Instrument ID: GC19 Matrix : Water

Sequence ID: Nov12 Batch Number: 44601

ICAL Date: 12-Nov-98 LIMS STANDARD ID: 98WS6493

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00		###	#####
BENZENE	20.00	20.43	2	PASS
TOLUENE	20.00	19.94	0	PASS
ETHYLBENZENE	20.00	20.56	3	PASS
m,p-XYLENE	40.00	42.42	6	PASS
o-XYLENE	20.00	20.67	3	PASS

FILENAME: 316Z008
INJECTION DATE: Nov13

TFT REC. %	BFB REC. %	SURR STAT
116	124	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00		###	#####
BENZENE	20.00	20.50	3	PASS
TOLUENE	20.00	20.12	1	PASS
ETHYLBENZENE	20.00	20.37	2	PASS
m,p-XYLENE	40.00	42.18	5	PASS
o-XYLENE	20.00	20.80	4	PASS

FILENAME: 316Z022
INJECTION DATE: Nov13

TFT REC. %	BFB REC. %	SURR STAT
116	122	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00		###	#####
BENZENE	20.00	20.40	2	PASS
TOLUENE	20.00	19.54	2	PASS
ETHYLBENZENE	20.00	20.00	0	PASS
m,p-XYLENE	40.00	40.95	2	PASS
o-XYLENE	20.00	20.20	1	PASS

FILENAME: 316Z029
INJECTION DATE: Nov13

TFT REC. %	BFB REC. %	SURR STAT
117	127	PASS

QC LIMITS: CCV = %D of BTXE amounts must be less than or equal to 15% , 20% for MTBE
Surrogate Recovery Limits = TFT 53 - 124% and BFB 41 - 142%

Turbochrom Sequence File : G:\GC05\TVHBTXE\NOV10.SEQ <Modified>
Created by : AMP on : 11/10/98 08:16 PM
Edited by : TEW on : 11/12/98 12:29 PM
Description : JULIAN DATE OF 314GH

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 38
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
1	Sample	IB,44530,	314GH	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
2	Sample	CCV/LCS,QC84305	GAS	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
3	Sample	CCV,98WS6666,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
4	Sample	CCV,98WS6667,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
5	Sample	BS,QC84202,98WS	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
6	Sample	MB,QC84203,4453		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
7	Sample	S,136445-001,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
8	Sample	S,136445-002,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
9	Sample	S,136445-003,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
10	Sample	S,136445-004,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
11	Sample	S,136445-005,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
12	Sample	IB,44530,		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
13	Sample	S,136445-006,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
14	Sample	MSS,136445-007,		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
15	Sample	MS,QC84204,98WS	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
16	Sample	MSD,QC84205,98W	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
17	Sample	CCV,98WS6477,44	GAS	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
18	Sample	CCV,98WS6666,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
19	Sample	CCV,98WS6667,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
20	Sample	BSD,QC84372,98W	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
21	Sample	CCV,98WS6666,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
22	Sample	S,136335-001,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
23	Sample	S,136335-003,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
24	Sample	S,136335-005,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
25	Sample	S,136335-006,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
26	Sample	S,136335-007,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
27	Sample	S,136335-004,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
28	Sample	S,136335-002,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
29	Sample	IB,44530,		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
30	Sample	BS,QC84202,98WS	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
31	Sample	BSD,QC84372,98W	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
32	Sample	CCV,98WS6666,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
33	Sample	CCV,98WS6667,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
34	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
35	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
36	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
37	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
38	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Updat RT
1	-	1	1	TVHBTXE	G_111098	G_111098	TVH_W	314G001	314G001		314G001	-	-	-
2	-	1	1	TVHBTXE	G_111098	G_111098	TVH_W	314G002	314G002		314G002	-	-	-
3	-	1	2	TVHBTXE	G_111098	G_111098	TVH_W	314G003	314G003		314G003	-	-	-
4	-	1	2	TVHBTXE	G_111098	G_111098	TVH_W	314G004	314G004		314G004	-	-	-
5	-	1	3	TVHBTXE	G_111098	G_111098	TVH_W	314G005	314G005		314G005	-	-	-
6	-	1	3	TVHBTXE	G_111098	G_111098	TVH_W	314G006	314G006		314G006	-	-	-
7	-	1	3	TVHBTXE	G_111098	G_111098	TVH_W	314G007	314G007		314G007	-	-	-
8	-	1	4	TVHBTXE	G_111098	G_111098	TVH_W	314G008	314G008		314G008	-	-	-
9	-	1	5	TVHBTXE	G_111098	G_111098	TVH_W	314G009	314G009		314G009	-	-	-
10	-	1	6	TVHBTXE	G_111098	G_111098	TVH_W	314G010	314G010		314G010	-	-	-
11	-	1	8	TVHBTXE	G_111098	G_111098	TVH_W	314G011	314G011		314G011	-	-	-
12	-	1	9	TVHBTXE	G_111098	G_111098	TVH_W	314G012	314G012		314G012	-	-	-
13	-	1	10	TVHBTXE	G_111098	G_111098	TVH_W	314G013	314G013		314G013	-	-	-
14	-	1	11	TVHBTXE	G_111098	G_111098	TVH_W	314G014	314G014		314G014	-	-	-
15	-	1	11	TVHBTXE	G_111098	G_111098	TVH_W	314G015	314G015		314G015	-	-	-
16	-	1	12	TVHBTXE	G_111098	G_111098	TVH_W	314G016	314G016		314G016	-	-	-
17	-	1	12	TVHBTXE	G_111098	G_111098	TVH_W	314G017	314G017		314G017	-	-	-
18	-	1	12	TVHBTXE	G_111098	G_111098	TVH_W	314G018	314G018		314G018	-	-	-
19	-	1	12	TVHBTXE	G_111098	G_111098	TVH_W	314G019	314G019		314G019	-	-	-
20	-	1	13	TVHBTXE	G_111098	G_111098	TVH_W	314G020	314G020		314G020	-	-	-
21	-	1	13	TVHBTXE	G_111098	G_111098	TVH_W	314G021	314G021		314G021	-	-	-
22	-	1	14	TVHBTXE	G_111098	G_111098	TVH_W	314G022	314G022		314G022	-	-	-
23	-	1	15	TVHBTXE	G_111098	G_111098	TVH_W	314G023	314G023		314G023	-	-	-
24	-	1	15	TVHBTXE	G_111098	G_111098	TVH_W	314G024	314G024		314G024	-	-	-
25	-	1	16	TVHBTXE	G_111098	G_111098	TVH_W	314G025	314G025		314G025	-	-	-
26	-	1	17	TVHBTXE	G_111098	G_111098	TVH_W	314G026	314G026		314G026	-	-	-
27	-	1	18	TVHBTXE	G_111098	G_111098	TVH_W	314G027	314G027		314G027	-	-	-
28	-	1	19	TVHBTXE	G_111098	G_111098	TVH_W	314G028	314G028		314G028	-	-	-
29	-	1	20	TVHBTXE	G_111098	G_111098	TVH_W	314G029	314G029		314G029	-	-	-
30	-	1	21	TVHBTXE	G_111098	G_111098	TVH_W	314G030	314G030		314G030	-	-	-
31	-	1	22	TVHBTXE	G_111098	G_111098	TVH_W	314G031	314G031		314G031	-	-	-
32	-	1	23	TVHBTXE	G_111098	G_111098	TVH_W	314G032	314G032		314G032	-	-	-
33	-	1	24	TVHBTXE	G_111098	G_111098	TVH_W	314G033	314G033		314G033	-	-	-
34	-	1	25	TVHBTXE	G_111098	G_111098	TVH_W	314G034	314G034		314G034	-	-	-
35	-	1	26	TVHBTXE	G_111098	G_111098	TVH_W	314G035	314G035		314G035	-	-	-
36	-	1	7	TVHBTXE	G_111098	G_111098	TVH_W	314G036	314G036		314G036	-	-	-
37	-	1	27	TVHBTXE	G_111098	G_111098	TVH_W	314G037	314G037		314G037	-	-	-
38	-	1	28	TVHBTXE	G_111098	G_111098	TVH_W	314G038	314G038		314G038	-	-	-

Turbochrom Sequence File : G:\GC05\TVHBTXE\NOV10.SEQ <Modified>
Created by : AMP on : 11/10/98 08:16 PM
Edited by : TEW on : 11/12/98 12:29 PM
Description : JULIAN DATE OF 314GH

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 38
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend
	Sample	IB,44530,	314GH	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	CCV/LCS,QC84305	GAS	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	CCV,98WS6666,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
4	Sample	CCV,98WS6667,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
5	Sample	BS,QC84202,98WS	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	MB,QC84203,4453		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	S,136445-001,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
8	Sample	S,136445-002,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
9	Sample	S,136445-003,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	S,136445-004,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	S,136445-005,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	IB,44530,		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
13	Sample	S,136445-006,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	MSS,136445-007,		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	MS,QC84204,98WS	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	MSD,QC84205,98W	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
17	Sample	CCV,98WS6477,44	GAS	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
18	Sample	CCV,98WS6666,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	CCV,98WS6667,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	BSD,QC84372,98W	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
21	Sample	CCV,98WS6666,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
22	Sample	S,136335-001,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	S,136335-003,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	S,136335-005,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	S,136335-006,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
26	Sample	S,136335-007,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	S,136335-004,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	S,136335-002,44		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	IB,44530,		B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
30	Sample	BS,QC84202,98WS	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
31	Sample	BSD,QC84372,98W	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	CCV,98WS6666,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample	CCV,98WS6667,44	MBTEX	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
34	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
35	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
38	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Up
1	-	1	1	TVHBTXE	H_111098	H_111098	BTXE_W	314H001	314H001		314H001	-	-	
2	-	1	1	TVHBTXE	H_111098	H_111098	BTXE_W	314H002	314H002		314H002	-	-	
3	-	1	2	TVHBTXE	H_111098	H_111098	BTXE_W	314H003	314H003		314H003	-	-	
4	-	1	2	TVHBTXE	H_111098	H_111098	BTXE_W	314H004	314H004		314H004	-	-	
5	-	1	3	TVHBTXE	H_111098	H_111098	BTXE_W	314H005	314H005		314H005	-	-	
6	-	1	3	TVHBTXE	H_111098	H_111098	BTXE_W	314H006	314H006		314H006	-	-	
7	-	1	3	TVHBTXE	H_111098	H_111098	BTXE_W	314H007	314H007		314H007	-	-	
8	-	1	4	TVHBTXE	H_111098	H_111098	BTXE_W	314H008	314H008		314H008	-	-	
9	-	1	5	TVHBTXE	H_111098	H_111098	BTXE_W	314H009	314H009		314H009	-	-	
10	-	1	6	TVHBTXE	H_111098	H_111098	BTXE_W	314H010	314H010		314H010	-	-	
11	-	1	8	TVHBTXE	H_111098	H_111098	BTXE_W	314H011	314H011		314H011	-	-	
12	-	1	9	TVHBTXE	H_111098	H_111098	BTXE_W	314H012	314H012		314H012	-	-	
13	-	1	10	TVHBTXE	H_111098	H_111098	BTXE_W	314H013	314H013		314H013	-	-	
14	-	1	11	TVHBTXE	H_111098	H_111098	BTXE_W	314H014	314H014		314H014	-	-	
15	-	1	11	TVHBTXE	H_111098	H_111098	BTXE_W	314H015	314H015		314H015	-	-	
16	-	1	12	TVHBTXE	H_111098	H_111098	BTXE_W	314H016	314H016		314H016	-	-	
17	-	1	12	TVHBTXE	H_111098	H_111098	BTXE_W	314H017	314H017		314H017	-	-	
18	-	1	12	TVHBTXE	H_111098	H_111098	BTXE_W	314H018	314H018		314H018	-	-	
19	-	1	12	TVHBTXE	H_111098	H_111098	BTXE_W	314H019	314H019		314H019	-	-	
20	-	1	13	TVHBTXE	H_111098	H_111098	BTXE_W	314H020	314H020		314H020	-	-	
21	-	1	13	TVHBTXE	H_111098	H_111098	BTXE_W	314H021	314H021		314H021	-	-	
22	-	1	14	TVHBTXE	H_111098	H_111098	BTXE_W	314H022	314H022		314H022	-	-	
23	-	1	15	TVHBTXE	H_111098	H_111098	BTXE_W	314H023	314H023		314H023	-	-	
24	-	1	15	TVHBTXE	H_111098	H_111098	BTXE_W	314H024	314H024		314H024	-	-	
25	-	1	16	TVHBTXE	H_111098	H_111098	BTXE_W	314H025	314H025		314H025	-	-	
26	-	1	17	TVHBTXE	H_111098	H_111098	BTXE_W	314H026	314H026		314H026	-	-	
27	-	1	18	TVHBTXE	H_111098	H_111098	BTXE_W	314H027	314H027		314H027	-	-	
28	-	1	19	TVHBTXE	H_111098	H_111098	BTXE_W	314H028	314H028		314H028	-	-	
29	-	1	20	TVHBTXE	H_111098	H_111098	BTXE_W	314H029	314H029		314H029	-	-	
30	-	1	21	TVHBTXE	H_111098	H_111098	BTXE_W	314H030	314H030		314H030	-	-	
31	-	1	22	TVHBTXE	H_111098	H_111098	BTXE_W	314H031	314H031		314H031	-	-	
32	-	1	23	TVHBTXE	H_111098	H_111098	BTXE_W	314H032	314H032		314H032	-	-	
33	-	1	24	TVHBTXE	H_111098	H_111098	BTXE_W	314H033	314H033		314H033	-	-	
34	-	1	25	TVHBTXE	H_111098	H_111098	BTXE_W	314H034	314H034		314H034	-	-	
35	-	1	26	TVHBTXE	H_111098	H_111098	BTXE_W	314H035	314H035		314H035	-	-	
36	-	1	7	TVHBTXE	H_111098	H_111098	BTXE_W	314H036	314H036		314H036	-	-	
37	-	1	27	TVHBTXE	H_111098	H_111098	BTXE_W	314H037	314H037		314H037	-	-	
38	-	1	28	TVHBTXE	H_111098	H_111098	BTXE_W	314H038	314H038		314H038	-	-	

Turbochrom Sequence File : G:\GC05\BTXE\NOV10.SEQ
Created by : MKF on : 11/10/98 08:18 PM
Edited by : TEW on : 11/11/98 03:15 PM
Description : JULIAN DATE OF 314E

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 38
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Ro	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend
1	Sample		314E	B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
4	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
5	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
9	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
13	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
14	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
17	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
18	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
21	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
22	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
26	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
27	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
30	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
31	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample			B# 44530 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000
34	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
35	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
36	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000
	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Updat RT
1	-	1	1	E_111098	E_111098	E_111098	WATER	314E001	314E001		314E001	-	-	-
2	-	1	1	E_111098	E_111098	E_111098	WATER	314E002	314E002		314E002	-	-	-
3	-	1	1	E_111098	E_111098	E_111098	WATER	314E003	314E003		314E003	-	-	-
4	-	1	2	E_111098	E_111098	E_111098	WATER	314E004	314E004		314E004	-	-	-
5	-	1	3	E_111098	E_111098	E_111098	WATER	314E005	314E005		314E005	-	-	-
6	-	1	4	E_111098	E_111098	E_111098	WATER	314E006	314E006		314E006	-	-	-
7	-	1	5	E_111098	E_111098	E_111098	WATER	314E007	314E007		314E007	-	-	-
8	-	1	6	E_111098	E_111098	E_111098	WATER	314E008	314E008		314E008	-	-	-
9	-	1	7	E_111098	E_111098	E_111098	WATER	314E009	314E009		314E009	-	-	-
10	-	1	8	E_111098	E_111098	E_111098	WATER	314E010	314E010		314E010	-	-	-
11	-	1	9	E_111098	E_111098	E_111098	WATER	314E011	314E011		314E011	-	-	-
12	-	1	10	E_111098	E_111098	E_111098	WATER	314E012	314E012		314E012	-	-	-
13	-	1	11	E_111098	E_111098	E_111098	WATER	314E013	314E013		314E013	-	-	-
14	-	1	12	E_111098	E_111098	E_111098	WATER	314E014	314E014		314E014	-	-	-
15	-	1	13	E_111098	E_111098	E_111098	WATER	314E015	314E015		314E015	-	-	-
16	-	1	13	E_111098	E_111098	E_111098	WATER	314E016	314E016		314E016	-	-	-
17	-	1	13	E_111098	E_111098	E_111098	WATER	314E017	314E017		314E017	-	-	-
18	-	1	14	E_111098	E_111098	E_111098	WATER	314E018	314E018		314E018	-	-	-
19	-	1	15	E_111098	E_111098	E_111098	WATER	314E019	314E019		314E019	-	-	-
20	-	1	15	E_111098	E_111098	E_111098	WATER	314E020	314E020		314E020	-	-	-
21	-	1	15	E_111098	E_111098	E_111098	WATER	314E021	314E021		314E021	-	-	-
22	-	1	16	E_111098	E_111098	E_111098	WATER	314E022	314E022		314E022	-	-	-
23	-	1	17	E_111098	E_111098	E_111098	WATER	314E023	314E023		314E023	-	-	-
24	-	1	18	E_111098	E_111098	E_111098	WATER	314E024	314E024		314E024	-	-	-
25	-	1	19	E_111098	E_111098	E_111098	WATER	314E025	314E025		314E025	-	-	-
26	-	1	20	E_111098	E_111098	E_111098	WATER	314E026	314E026		314E026	-	-	-
27	-	1	21	E_111098	E_111098	E_111098	WATER	314E027	314E027		314E027	-	-	-
28	-	1	22	E_111098	E_111098	E_111098	WATER	314E028	314E028		314E028	-	-	-
29	-	1	23	E_111098	E_111098	E_111098	WATER	314E029	314E029		314E029	-	-	-
30	-	1	24	E_111098	E_111098	E_111098	WATER	314E030	314E030		314E030	-	-	-
31	-	1	25	E_111098	E_111098	E_111098	WATER	314E031	314E031		314E031	-	-	-
32	-	1	26	E_111098	E_111098	E_111098	WATER	314E032	314E032		314E032	-	-	-
33	-	1	27	E_111098	E_111098	E_111098	WATER	314E033	314E033		314E033	-	-	-
34	-	1	28	E_111098	E_111098	E_111098	WATER	314E034	314E034		314E034	-	-	-
35	-	1	29	E_111098	E_111098	E_111098	WATER	314E035	314E035		314E035	-	-	-
36	-	1	30	E_111098	E_111098	E_111098	WATER	314E036	314E036		314E036	-	-	-
37	-	1	31	E_111098	E_111098	E_111098	WATER	314E037	314E037		314E037	-	-	-
38	-	1	32	E_111098	E_111098	E_111098	WATER	314E038	314E038		314E038	-	-	-

Analyst: TEW Date: 11-12-98 Sequence Name: NOV 1D Page 38

Batch No.: 44530 File Prefix: 314 & HE Continued from Page: —

File No.	Std. No.	Sample Name	Wt/vol	vial pH	Comment	Std. No.	Lims No. Std. Name
1		1B	5mL		ND 11-10-98 2045	1	98WS6574
2	2	CCV/LCS, QC84305			PASS		DAILY SS 450 ppm
3	3	CCV			↓	2	98WS6477
4	4	CCV			m/p & o-xylene Fail high		GAS 2000 ppm
5	5	BS, QC84202			m/p-xylene fails high	3	98WS6666
6		MB, QC84203					MBTEX 20 ppm
7		136445-001		A2		4	98WS6667
8		-002		A5			MBTEX 20 ppm
9		-003		A2	Benzene = D.R. RRe 2x	5	98WS6573
10		-004		A2			MBTEX 2nd 20 ppm
11		-005		A5		6	98WS6500
12		1B			ND		MBTEX 2nd 20 ppm
13		136445-006		A3			
14		MSS, 136445-007		A3	Benzene = D.R. RRe 2x		
15	5	MS, QC84204		↓	Benzene fails low m/p & O-xylene fail high		
16	5	MSD, QC84205		↓	↓ ↓ ↓ ↓	↓	
17	2	CCV			PASS		
18	3	CCV			Toluene → O-xylene fail high		
19	4	CCV			↓ ↓ ↓	↓	
20	5	RR BS, QC84237202			m/p & O-xylene fail high		
21	3	CCV			PASS		
22		136335-001		C3			
23		-003		B2			
24		-005		B2			
25		-006		D2			
26		-007		D2			
27		-004		B2			
28		-002		B2	Benzene = D.R. RRe 10%		
29		1B			ND		
30	6	RR, BS, QC84202			m/p & O-xylene fail high		
31	6	BSD, QC84372			Fails high		
32	3	CCV			PASS 11-11-98 1706		
33	4	CCV	↓		m/p & O-xylene fail high		
							Ical on page(s)
					11-12-98		36 & 37
							of BK0983
							All runs rec'd Std.#1

Continued on Page: —

Signed 11-12-98 Date

Read and Understood by Signed 11-12-98 Date

Turbochrom Sequence File : G:\GC19\BTXE\NOV12.SEQ
Created by : TEW on : 11/12/98 03:22 PM
Edited by : TEW on : 11/16/98 12:22 PM
Description : JULIAN DATE OF 316Z

Number of Times Edited : 1

Sequence File Header Information:

Number of Rows : 38
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			B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample			B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample			B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample			B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample			B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample			B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample			B# 44601 W	5.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
14	Sample			B# 44601 W	5.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
15	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample			B# 44601 W	5.000	1.000	1.000	20.000	1.000	1.000	0.000	100.000
18	Sample			B# 44601 W	5.000	1.000	1.000	25.000	1.000	1.000	0.000	100.000
19	Sample			B# 44601 W	5.000	1.000	1.000	50.000	1.000	1.000	0.000	100.000
20	Sample			B# 44601 W	5.000	1.000	1.000	125.000	1.000	1.000	0.000	100.000
21	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample			B# 44601 W	5.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
29	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample			B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel A

Rc	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	Z_102398	Z_BTXE	Z_102398	WATER	316Z001	316Z001		316Z001	-	-	-	LPT1:
[redacted]	-	1	1	Z_102398	Z_BTXE	Z_102398	WATER	316Z002	316Z002		316Z002	-	-	-	LPT1:
[redacted]	-	1	1	Z_102398	Z_BTXE	Z_102398	WATER	316Z003	316Z003		316Z003	-	-	-	LPT1:
[redacted]	-	1	1	Z_102398	Z_BTXE	Z_102398	WATER	316Z004	316Z004		316Z004	-	-	-	LPT1:
5	-	1	1	Z_102398	Z_BTXE	Z_102398	WATER	316Z005	316Z005		316Z005	-	-	-	LPT1:
[redacted]	-	1	1	Z_102398	Z_BTXE	Z_102398	WATER	316Z006	316Z006		316Z006	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z007	316Z007		316Z007	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z008	316Z008		316Z008	-	-	-	LPT1:
9	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z009	316Z009		316Z009	-	-	-	LPT1:
10	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z010	316Z010		316Z010	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z011	316Z011		316Z011	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z012	316Z012		316Z012	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z013	316Z013		316Z013	-	-	-	LPT1:
14	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z014	316Z014		316Z014	-	-	-	LPT1:
15	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z015	316Z015		316Z015	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z016	316Z016		316Z016	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z017	316Z017		316Z017	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z018	316Z018		316Z018	-	-	-	LPT1:
19	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z019	316Z019		316Z019	-	-	-	LPT1:
20	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z020	316Z020		316Z020	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z021	316Z021		316Z021	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z022	316Z022		316Z022	-	-	-	LPT1:
23	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z023	316Z023		316Z023	-	-	-	LPT1:
24	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z024	316Z024		316Z024	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z025	316Z025		316Z025	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z026	316Z026		316Z026	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z027	316Z027		316Z027	-	-	-	LPT1:
28	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z028	316Z028		316Z028	-	-	-	LPT1:
29	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z029	316Z029		316Z029	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z030	316Z030		316Z030	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z031	316Z031		316Z031	-	-	-	LPT1:
32	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z032	316Z032		316Z032	-	-	-	LPT1:
33	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z033	316Z033		316Z033	-	-	-	LPT1:
34	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z034	316Z034		316Z034	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z035	316Z035		316Z035	-	-	-	LPT1:
[redacted]	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z036	316Z036		316Z036	-	-	-	LPT1:
37	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z037	316Z037		316Z037	-	-	-	LPT1:
38	-	1	1	Z_111298	Z_BTXE	Z_111298	WATER	316Z038	316Z038		316Z038	-	-	-	LPT1:

Turbochrom Sequence File : G:\GC19\TVHBTXE\NOV12.SEQ
Created by : TEW on : 11/12/98 03:20 PM
Edited by : TEW on : 11/16/98 12:23 PM
Description : JULIAN DATE OF 316XY

Number of Times Edited : 1

Sequence File Header Information:

Number of Rows : 38
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	CCV,98WS6477,44	GAS	B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MB,QC84456,4460		B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	S,136318-001,44		B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	BS,QC84457,98WS	GAS	B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	BSD,QC84458,98W	GAS	B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	CCV,98WS6477,44	GAS	B# 44600 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	CCV/LCS,QC84466	GAS	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	CCV,98WS6493,44	MBTEX	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	CCV,98WS6666,44	MBTEX	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	MB,QC84459,4460		B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	RR,S,136445-001		B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	RR,S,136445-005		B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	RR,D,136445-003		B# 44601 W	5.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
14	Sample	RR,D,136445-007		B# 44601 W	5.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
15	Sample	IB,44601,		B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	RR,S,136386-005		B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	RR,D,136386-007		B# 44601 W	5.000	1.000	1.000	20.000	1.000	1.000	0.000	100.000
18	Sample	RR,D,136386-002		B# 44601 W	5.000	1.000	1.000	25.000	1.000	1.000	0.000	100.000
19	Sample	RR,D,136386-003		B# 44601 W	5.000	1.000	1.000	50.000	1.000	1.000	0.000	100.000
20	Sample	RR,D,136386-001		B# 44601 W	5.000	1.000	1.000	125.000	1.000	1.000	0.000	100.000
21	Sample	CCV,98WS6477,44	GAS	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	CCV,98WS6493,44	MBTEX	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	CCV,98WS6666,44	MBTEX	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	BS,QC84460,98WS	MBTEX	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	BSD,QC84461,98W	MBTEX	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	RR,S,136335-001		B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	RR,S,136335-004		B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	RR,D,136335-002		B# 44601 W	5.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
29	Sample	CCV,98WS6493,44	MBTEX	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	CCV,98WS6666,44	MBTEX	B# 44601 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel B

[redacted]	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	TVHBTXE	Y_BTXE	Y_102398	BTXE_W	316Y001	316Y001		316Y001	-	-	-	LPT1:
2	-	1	1	TVHBTXE	Y_BTXE	Y_102398	BTXE_W	316Y002	316Y002		316Y002	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_102398	BTXE_W	316Y003	316Y003		316Y003	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_102398	BTXE_W	316Y004	316Y004		316Y004	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_102398	BTXE_W	316Y005	316Y005		316Y005	-	-	-	LPT1:
6	-	1	1	TVHBTXE	Y_BTXE	Y_102398	BTXE_W	316Y006	316Y006		316Y006	-	-	-	LPT1:
7	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y007	316Y007		316Y007	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y008	316Y008		316Y008	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y009	316Y009		316Y009	-	-	-	LPT1:
10	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y010	316Y010		316Y010	-	-	-	LPT1:
11	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y011	316Y011		316Y011	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y012	316Y012		316Y012	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y013	316Y013		316Y013	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y014	316Y014		316Y014	-	-	-	LPT1:
15	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y015	316Y015		316Y015	-	-	-	LPT1:
16	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y016	316Y016		316Y016	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y017	316Y017		316Y017	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y018	316Y018		316Y018	-	-	-	LPT1:
19	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y019	316Y019		316Y019	-	-	-	LPT1:
20	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y020	316Y020		316Y020	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y021	316Y021		316Y021	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y022	316Y022		316Y022	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y023	316Y023		316Y023	-	-	-	LPT1:
24	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y024	316Y024		316Y024	-	-	-	LPT1:
25	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y025	316Y025		316Y025	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y026	316Y026		316Y026	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y027	316Y027		316Y027	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y028	316Y028		316Y028	-	-	-	LPT1:
29	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y029	316Y029		316Y029	-	-	-	LPT1:
30	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y030	316Y030		316Y030	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y031	316Y031		316Y031	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y032	316Y032		316Y032	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y033	316Y033		316Y033	-	-	-	LPT1:
34	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y034	316Y034		316Y034	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y035	316Y035		316Y035	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y036	316Y036		316Y036	-	-	-	LPT1:
[redacted]	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y037	316Y037		316Y037	-	-	-	LPT1:
38	-	1	1	TVHBTXE	Y_BTXE	Y_111298	BTXE_W	316Y038	316Y038		316Y038	-	-	-	LPT1:

Analyst: TEW Date: 11-16-98 Sequence Name: NOV12 Page 46

Batch No.: 44600/44601 File Prefix: 316XYZ Continued from Page: —

File No.	Stn. No	Sample Name	Wt/vol	pH	Comment	Std. NO.	Lims No. STD Name	Vial
1	2	CCV	5mL		PASS 11-12-98 2122	1	98WS6973	
2		MB, QC84456			ND		TFT/BFB 450ppm	
3		136318-001		G2		2	98WS6477	
4	2	BS, QC84457			PASS		GAS 2000ppm	
5	2	BSD, QC84458			↓	3	98WS6493	
6	2	CCV			↓ 11-13-98 0047		MBTEX 20ppm	
7	2	CCV/LCS, QC84466			PASS 11-13-98 0128	4	98WS6666	
8	3	CCV			↓		MBTEX 20ppm	
9	4	CCV			↓	5	98WS6580	
10		MB, QC84459			ND		MBTEX 2nd 20ppm	
11		RR, 136445-001		B2				
12		-005	↓	B2				
13		-003	2x	B2				
14		-007	2x	B2				
15		IB	5mL		ND			
16		RR, 136386-005	↓	C2				
17		-007	20x	B4				
18		-002	25x	B2	Benzene & Eth. = D.R.	RRL 50x		
19		-003	50x	B2				
20		-001	125x	B2				
21	2	CCV	5mL		PASS			
22	3	CCV						
23	4	CCV						
24	5	BS, QC84460						
25	5	BSD, QC84461			↓			
26		RR, 136335-001		B3				
27		-004	↓	B2				
28		-002	10x	B2				
29	3	CCV	5mL		PASS 11-13-98 1638			
30	4	CCV	↓		↓ 11-13-98 1711			
					11-16-98			
							lcal on page(s)	34-35
							of BK 0970	
							All runs rec'd std#1	

Continued on Page: —

Signed

11-16-98
Date

Read and Understood by

Signed

Date

Turbochrom Sequence File : G:\GC05\TVHBTXE\NOV09.SEQ
Created by : AMP on : 11/9/98 08:26 PM
Edited by : amp on : 11/10/98 07:46 PM
Description : JULIAN DATE OF 313GH

Number of Times Edited : 7

Sequence File Header Information:

Number of Rows : 38
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

R	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend
1	Sample	IB	313GH	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
2	Sample	CARBON MARKERS	C-MARKERS	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
3	Sample	IB	313GH	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
4	Sample	GAS 1, 250NG	98WS6584	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
5	Sample	GAS 1, 250NG	98WS6584	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
6	Sample	GAS 2, 500NG	98WS6583	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
7	Sample	GAS 3, 1000NG	98WS6583	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
8	Sample	GAS 4,2500NG	98WS6582	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
9	Sample	GAS 5, 5000NG	98WS6582	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
10	Sample	GAS 6, 10000NG	98WS6581	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
11	Sample	GAS 7, 15000NG	98WS6581	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
12	Sample	GAS 8, 25000NG	98WS6581	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
13	Sample	GAS 9, 50000,NG	98WS6580	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
14	Sample	IB	313GH	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
15	Sample	MBTEX 1, 2.5NG	98WS6491	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
16	Sample	MBTEX 1, 2.5NG	98WS6491	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
17	Sample	MBTEX 2, 5.0NG	98WS6491	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
18	Sample	MBTEX 3, 12.5NG	98WS6492	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
19	Sample	MBTEX 4, 50NGNG	98WS6493	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
20	Sample	MBTEX 5, 100NG	98WS6493	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
21	Sample	MBTEX 6, 250NG	98WS6494	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
22	Sample	MBTEX 7, 500NG	98WS6495	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
23	Sample	MBTEX 8, 750NG	98WS6495	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
24	Sample	MBTEX 9, 1000NG	98WS6495	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
25	Sample	IB	313GH	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
26	Sample	TFT/BFB 1,150ng	98WS6471	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
27	Sample	TFT/BFB 2,225ng	98WS6472	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
28	Sample	TFT/BFB 3,450ng	98WS6473	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
29	Sample	TFT/BFB 4,675ng	98WS6474	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
30	Sample	TFT/BFB 5,950ng	98WS6475	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
31	Sample	ICV,MBTEX 2ND,9	98WS6573	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
32	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
33	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
34	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
35	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
36	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
37	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
38	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Updat RT
1	-	1	1	TVHBTXE	G_111098	G_111098	TVH_S	313G001	313G001		313G001	-	-	-
2	-	1	1	TVHBTXE	G_111098	G_111098	TVH_S	313G002	313G002		313G002	-	-	-
3	-	1	2	TVHBTXE	G_111098	G_111098	TVH_S	313G003	313G003		313G003	-	-	-
4	-	1	3	TVHBTXE	G_111098	G_111098	TVH_S	313G004	313G004		313G004	-	-	-
5	-	1	3	TVHBTXE	G_111098	G_111098	TVH_S	313G005	313G005		313G005	-	-	-
6	-	1	3	TVHBTXE	G_111098	G_111098	TVH_S	313G006	313G006		313G006	-	-	-
7	-	1	4	TVHBTXE	G_111098	G_111098	TVH_S	313G007	313G007		313G007	-	-	-
8	-	1	5	TVHBTXE	G_111098	G_111098	TVH_S	313G008	313G008		313G008	-	-	-
9	-	1	6	TVHBTXE	G_111098	G_111098	TVH_S	313G009	313G009		313G009	-	-	-
10	-	1	8	TVHBTXE	G_111098	G_111098	TVH_S	313G010	313G010		313G010	-	-	-
11	-	1	9	TVHBTXE	G_111098	G_111098	TVH_S	313G011	313G011		313G011	-	-	-
12	-	1	10	TVHBTXE	G_111098	G_111098	TVH_S	313G012	313G012		313G012	-	-	-
13	-	1	11	TVHBTXE	G_111098	G_111098	TVH_S	313G013	313G013		313G013	-	-	-
14	-	1	11	TVHBTXE	G_111098	G_111098	TVH_S	313G014	313G014		313G014	-	-	-
15	-	1	12	TVHBTXE	G_111098	G_111098	TVH_S	313G015	313G015		313G015	-	-	-
16	-	1	12	TVHBTXE	G_111098	G_111098	TVH_S	313G016	313G016		313G016	-	-	-
17	-	1	12	TVHBTXE	G_111098	G_111098	TVH_S	313G017	313G017		313G017	-	-	-
18	-	1	13	TVHBTXE	G_111098	G_111098	TVH_S	313G018	313G018		313G018	-	-	-
19	-	1	13	TVHBTXE	G_111098	G_111098	TVH_S	313G019	313G019		313G019	-	-	-
20	-	1	14	TVHBTXE	G_111098	G_111098	TVH_S	313G020	313G020		313G020	-	-	-
21	-	1	15	TVHBTXE	G_111098	G_111098	TVH_S	313G021	313G021		313G021	-	-	-
22	-	1	15	TVHBTXE	G_111098	G_111098	TVH_S	313G022	313G022		313G022	-	-	-
23	-	1	16	TVHBTXE	G_111098	G_111098	TVH_S	313G023	313G023		313G023	-	-	-
24	-	1	17	TVHBTXE	G_111098	G_111098	TVH_S	313G024	313G024		313G024	-	-	-
25	-	1	18	TVHBTXE	G_111098	G_111098	TVH_S	313G025	313G025		313G025	-	-	-
26	-	1	19	TVHBTXE	G_111098	G_111098	TVH_S	313G026	313G026		313G026	-	-	-
27	-	1	20	TVHBTXE	G_111098	G_111098	TVH_S	313G027	313G027		313G027	-	-	-
28	-	1	21	TVHBTXE	G_111098	G_111098	TVH_S	313G028	313G028		313G028	-	-	-
29	-	1	22	TVHBTXE	G_111098	G_111098	TVH_S	313G029	313G029		313G029	-	-	-
30	-	1	23	TVHBTXE	G_111098	G_111098	TVH_S	313G030	313G030		313G030	-	-	-
31	-	1	24	TVHBTXE	G_111098	G_111098	TVH_S	313G031	313G031		313G031	-	-	-
32	-	1	25	TVHBTXE	G_111098	G_111098	TVH_S	313G032	313G032		313G032	-	-	-
33	-	1	26	TVHBTXE	G_111098	G_111098	TVH_S	313G033	313G033		313G033	-	-	-
34	-	1	7	TVHBTXE	G_111098	G_111098	TVH_S	313G034	313G034		313G034	-	-	-
35	-	1	27	TVHBTXE	G_111098	G_111098	TVH_S	313G035	313G035		313G035	-	-	-
36	-	1	28	TVHBTXE	G_111098	G_111098	TVH_S	313G036	313G036		313G036	-	-	-
37	-	1	29	TVHBTXE	G_111098	G_111098	TVH_S	313G037	313G037		313G037	-	-	-
38	-	1	30	TVHBTXE	G_111098	G_111098	TVH_S	313G038	313G038		313G038	-	-	-

Turbochrom Sequence File : G:\GC05\TVHBTXE\NOV09.SEQ
Created by : AMP on : 11/9/98 08:26 PM
Edited by : amp on : 11/10/98 07:46 PM
Description : JULIAN DATE OF 313GH

Number of Times Edited : 7

Sequence File Header Information:

Number of Rows : 38
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend
1	Sample	IB	313GH	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
2	Sample	CARBON MARKERS	C-MARKERS	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
3	Sample	IB	313GH	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
4	Sample	GAS 1, 250NG	98WS6584	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
5	Sample	GAS 1, 250NG	98WS6584	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
6	Sample	GAS 2, 500NG	98WS6583	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
7	Sample	GAS 3, 1000NG	98WS6583	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
8	Sample	GAS 4,2500NG	98WS6582	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
9	Sample	GAS 5, 5000NG	98WS6582	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
10	Sample	GAS 6, 10000NG	98WS6581	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
11	Sample	GAS 7, 15000NG	98WS6581	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
12	Sample	GAS 8, 25000NG	98WS6581	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
13	Sample	GAS 9, 50000,NG	98WS6580	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
14	Sample	IB	313GH	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
15	Sample	MBTEX 1, 2.5NG	98WS6491	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
16	Sample	MBTEX 1, 2.5NG	98WS6491	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
17	Sample	MBTEX 2, 5.0NG	98WS6491	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
18	Sample	MBTEX 3, 12.5NG	98WS6492	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
19	Sample	MBTEX 4, 50NGNG	98WS6493	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
20	Sample	MBTEX 5, 100NG	98WS6493	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
21	Sample	MBTEX 6, 250NG	98WS6494	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
22	Sample	MBTEX 7, 500NG	98WS6495	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
23	Sample	MBTEX 8, 750NG	98WS6495	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
24	Sample	MBTEX 9, 1000NG	98WS6495	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
25	Sample	IB	313GH	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
26	Sample	TFT/BFB 1,150ng	98WS6471	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
27	Sample	TFT/BFB 2,225ng	98WS6472	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
28	Sample	TFT/BFB 3,450ng	98WS6473	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
29	Sample	TFT/BFB 4,675ng	98WS6474	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
30	Sample	TFT/BFB 5,950ng	98WS6475	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
31	Sample	ICV,MBTEX 2ND,9	98WS6573	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
32	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
33	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
34	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
35	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
36	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
37	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
38	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Updat RT
1	-	1	1	TVHBTXE	H_101598	H_101598	BTXE_S	313H001	313H001		313H001	-	-	-
2	-	1	1	TVHBTXE	H_101598	H_101598	BTXE_S	313H002	313H002		313H002	-	-	-
3	-	1	2	TVHBTXE	H_101598	H_101598	BTXE_S	313H003	313H003		313H003	-	-	-
4	-	1	3	TVHBTXE	H_101598	H_101598	BTXE_S	313H004	313H004		313H004	-	-	-
5	-	1	3	TVHBTXE	H_101598	H_101598	BTXE_S	313H005	313H005		313H005	-	-	-
6	-	1	3	TVHBTXE	H_101598	H_101598	BTXE_S	313H006	313H006		313H006	-	-	-
7	-	1	4	TVHBTXE	H_101598	H_101598	BTXE_S	313H007	313H007		313H007	-	-	-
8	-	1	5	TVHBTXE	H_101598	H_101598	BTXE_S	313H008	313H008		313H008	-	-	-
9	-	1	6	TVHBTXE	H_101598	H_101598	BTXE_S	313H009	313H009		313H009	-	-	-
10	-	1	8	TVHBTXE	H_101598	H_101598	BTXE_S	313H010	313H010		313H010	-	-	-
11	-	1	9	TVHBTXE	H_101598	H_101598	BTXE_S	313H011	313H011		313H011	-	-	-
12	-	1	10	TVHBTXE	H_101598	H_101598	BTXE_S	313H012	313H012		313H012	-	-	-
13	-	1	11	TVHBTXE	H_101598	H_101598	BTXE_S	313H013	313H013		313H013	-	-	-
14	-	1	11	TVHBTXE	H_101598	H_101598	BTXE_S	313H014	313H014		313H014	-	-	-
15	-	1	12	TVHBTXE	H_101598	H_101598	BTXE_S	313H015	313H015		313H015	-	-	-
16	-	1	12	TVHBTXE	H_101598	H_101598	BTXE_S	313H016	313H016		313H016	-	-	-
17	-	1	12	TVHBTXE	H_101598	H_101598	BTXE_S	313H017	313H017		313H017	-	-	-
18	-	1	13	TVHBTXE	H_101598	H_101598	BTXE_S	313H018	313H018		313H018	-	-	-
19	-	1	13	TVHBTXE	H_101598	H_101598	BTXE_S	313H019	313H019		313H019	-	-	-
20	-	1	14	TVHBTXE	H_101598	H_101598	BTXE_S	313H020	313H020		313H020	-	-	-
21	-	1	15	TVHBTXE	H_101598	H_101598	BTXE_S	313H021	313H021		313H021	-	-	-
22	-	1	15	TVHBTXE	H_101598	H_101598	BTXE_S	313H022	313H022		313H022	-	-	-
23	-	1	16	TVHBTXE	H_101598	H_101598	BTXE_S	313H023	313H023		313H023	-	-	-
24	-	1	17	TVHBTXE	H_101598	H_101598	BTXE_S	313H024	313H024		313H024	-	-	-
25	-	1	18	TVHBTXE	H_101598	H_101598	BTXE_S	313H025	313H025		313H025	-	-	-
26	-	1	19	TVHBTXE	H_101598	H_101598	BTXE_S	313H026	313H026		313H026	-	-	-
27	-	1	20	TVHBTXE	H_101598	H_101598	BTXE_S	313H027	313H027		313H027	-	-	-
28	-	1	21	TVHBTXE	H_101598	H_101598	BTXE_S	313H028	313H028		313H028	-	-	-
29	-	1	22	TVHBTXE	H_101598	H_101598	BTXE_S	313H029	313H029		313H029	-	-	-
30	-	1	23	TVHBTXE	H_101598	H_101598	BTXE_S	313H030	313H030		313H030	-	-	-
31	-	1	24	TVHBTXE	H_111098	H_111098	BTXE_S	313H031	313H031		313H031	-	-	-
32	-	1	25	TVHBTXE	H_101598	H_101598	BTXE_S	313H032	313H032		313H032	-	-	-
33	-	1	26	TVHBTXE	H_101598	H_101598	BTXE_S	313H033	313H033		313H033	-	-	-
34	-	1	7	TVHBTXE	H_101598	H_101598	BTXE_S	313H034	313H034		313H034	-	-	-
35	-	1	27	TVHBTXE	H_101598	H_101598	BTXE_S	313H035	313H035		313H035	-	-	-
36	-	1	28	TVHBTXE	H_101598	H_101598	BTXE_S	313H036	313H036		313H036	-	-	-
37	-	1	29	TVHBTXE	H_101598	H_101598	BTXE_S	313H037	313H037		313H037	-	-	-
38	-	1	30	TVHBTXE	H_101598	H_101598	BTXE_S	313H038	313H038		313H038	-	-	-

Turbochrom Sequence File : G:\GC05\BTXE\NOV09.SEQ
Created by : MKF on : 11/9/98 08:41 PM
Edited by : BOB on : 11/10/98 07:51 PM
Description : JULIAN DATE OF 313E

Number of Times Edited : 4

Sequence File Header Information:

Number of Rows : 38
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
1	Sample		313E	B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
2	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
3	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
4	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
5	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
6	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
7	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
8	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
9	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
10	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
11	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
12	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
13	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
14	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
15	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
16	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
17	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
18	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
19	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
20	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
21	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
22	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
23	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
24	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
25	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
26	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
27	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
28	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
29	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
30	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
31	Sample			B# ? S	1.000	1.000	1.000	1.000	1.000	1.000	0.000
32	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
33	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
34	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
35	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
36	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
37	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000
38	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Updat RT
1	-	1	1	E_101598	E_101598	E_101598	SOIL	313E001	313E001		313E001	-	-	-
2	-	1	1	E_101598	E_101598	E_101598	SOIL	313E002	313E002		313E002	-	-	-
3	-	1	1	E_101598	E_101598	E_101598	SOIL	313E003	313E003		313E003	-	-	-
4	-	1	2	E_101598	E_101598	E_101598	SOIL	313E004	313E004		313E004	-	-	-
5	-	1	3	E_101598	E_101598	E_101598	SOIL	313E005	313E005		313E005	-	-	-
6	-	1	4	E_101598	E_101598	E_101598	SOIL	313E006	313E006		313E006	-	-	-
7	-	1	5	E_101598	E_101598	E_101598	SOIL	313E007	313E007		313E007	-	-	-
8	-	1	6	E_101598	E_101598	E_101598	SOIL	313E008	313E008		313E008	-	-	-
9	-	1	7	E_101598	E_101598	E_101598	SOIL	313E009	313E009		313E009	-	-	-
10	-	1	8	E_101598	E_101598	E_101598	SOIL	313E010	313E010		313E010	-	-	-
11	-	1	9	E_101598	E_101598	E_101598	SOIL	313E011	313E011		313E011	-	-	-
12	-	1	10	E_101598	E_101598	E_101598	SOIL	313E012	313E012		313E012	-	-	-
13	-	1	11	E_101598	E_101598	E_101598	SOIL	313E013	313E013		313E013	-	-	-
14	-	1	12	E_101598	E_101598	E_101598	SOIL	313E014	313E014		313E014	-	-	-
15	-	1	13	E_101598	E_101598	E_101598	SOIL	313E015	313E015		313E015	-	-	-
16	-	1	13	E_101598	E_101598	E_101598	SOIL	313E016	313E016		313E016	-	-	-
17	-	1	13	E_101598	E_101598	E_101598	SOIL	313E017	313E017		313E017	-	-	-
18	-	1	14	E_101598	E_101598	E_101598	SOIL	313E018	313E018		313E018	-	-	-
19	-	1	15	E_101598	E_101598	E_101598	SOIL	313E019	313E019		313E019	-	-	-
20	-	1	15	E_101598	E_101598	E_101598	SOIL	313E020	313E020		313E020	-	-	-
21	-	1	15	E_101598	E_101598	E_101598	SOIL	313E021	313E021		313E021	-	-	-
22	-	1	16	E_101598	E_101598	E_101598	SOIL	313E022	313E022		313E022	-	-	-
23	-	1	17	E_101598	E_101598	E_101598	SOIL	313E023	313E023		313E023	-	-	-
24	-	1	18	E_101598	E_101598	E_101598	SOIL	313E024	313E024		313E024	-	-	-
25	-	1	19	E_101598	E_101598	E_101598	SOIL	313E025	313E025		313E025	-	-	-
26	-	1	20	E_101598	E_101598	E_101598	SOIL	313E026	313E026		313E026	-	-	-
27	-	1	21	E_101598	E_101598	E_101598	SOIL	313E027	313E027		313E027	-	-	-
28	-	1	22	E_101598	E_101598	E_101598	SOIL	313E028	313E028		313E028	-	-	-
29	-	1	23	E_101598	E_101598	E_101598	SOIL	313E029	313E029		313E029	-	-	-
30	-	1	24	E_101598	E_101598	E_101598	SOIL	313E030	313E030		313E030	-	-	-
31	-	1	25	E_111098	E_111098	E_111098	SOIL	313E031	313E031		313E031	-	-	-
32	-	1	26	E_101598	E_101598	E_101598	SOIL	313E032	313E032		313E032	-	-	-
33	-	1	27	E_101598	E_101598	E_101598	SOIL	313E033	313E033		313E033	-	-	-
34	-	1	28	E_101598	E_101598	E_101598	SOIL	313E034	313E034		313E034	-	-	-
35	-	1	29	E_101598	E_101598	E_101598	SOIL	313E035	313E035		313E035	-	-	-
36	-	1	30	E_101598	E_101598	E_101598	SOIL	313E036	313E036		313E036	-	-	-
37	-	1	31	E_101598	E_101598	E_101598	SOIL	313E037	313E037		313E037	-	-	-
38	-	1	32	E_101598	E_101598	E_101598	SOIL	313E038	313E038		313E038	-	-	-

Analyst: TEW Date: 11-11-98 Sequence Name: NOV09 Page 36

Batch No.: GAS/MBTEX ICAL File Prefix: 313GHE Continued from Page: —

File No.	Std. No.	Sample Name	Wt/vol	vial pH	Comment	Std. No.	Lims No. Std. Name
1		IB	1g			1	98WS6574
2	2,3,4	Carbon Markers					DAILY SS 450 ppm
3		IB				2	96WS2727
4	5	GAS 1, 250ng					Dodecane 2000ppm
5	5	1, 250				3	96WS2728
6	6	2, 500					Heptane 2000ppm
7	6	3, 1000				4	97SS528
8	7	4, 2500					6-C10/GRO
9	7	5, 5000				5	98WS6584
10	8	6, 10,000					GAS 50 ppm
11	8	7, 15,000				6	98WS6583
12	8	8, 25,000					GAS 100 ppm
13	9	9, 50,000				7	98WS6582
14		IB					GAS 500 ppm
15	10	MBTEX 1, 2.5 ng				8	98WS6581
16	10	1, 2.5					GAS 2000 ppm
17	10	2, 5.0				9	98WS6580
18	11	3, 12.5					GAS 10,000 ppm
19	12	4, 50				10	98WS6491
20	12	5, 100					MBTEX 0.5 ppm
21	13	6, 250				11	98WS6492
22	14	7, 500					MBTEX 2.5 ppm
23	14	8, 750				12	98WS6493
24	14	9, 1000					MBTEX 20 ppm
25		IB				13	98WS6494
~~26~~	~~15~~	~~ICV MBTEX 7ppm~~					MBTEX 50 ppm
26		TFT/BFB 1, 150ng				14	98WS6495
27		2, 225					MBTEX 100 ppm
28		3, 450				15	98WS6573
29		4, 675					MBTEX 2nd 20 ppm
30		5, 950				16	98WS6471
31	15	ICV MBTEX			PASS 11-12 98 1922		SS 150 ppm
							lcal on page(s)
							of BK
							All runs rec'd Std.#1

Continued on Page: 37

Signed [signature] 11-11-98 Date

Read and Understood by

Signed Date

Analyst: TEW Date: 11-11-98 Sequence Name: NOV 09 Page 37

Batch No.: GAS/MBTEX ICAL File Prefix: 313GHE Continued from Page: 36

File No.	Std. No.	Sample Name	Wt/vol	vial pH	Comment	Std. No.	Lims No. Std. Name
						17	98WS6472
							SS 225 ppm
						18	98WS6473
							SS 450 ppm
						19	98WS6474
							SS 675 ppm
						20	98WS6475
							SS 950 ppm
							lcal on page(s)
							of BK
							All runs rec'd Std. #1

Continued on Page:

Signed: Tony E. Tompkins Date: 11-11-98

Read and Understood by

Signed Date

Turbochrom Sequence File : G:\GC19\ARCHIVE\TVHBTXE\OCT22CAL.SEQ
Created by : TEW on : 10/22/98 01:19 PM
Edited by : TEW on : 10/23/98 12:53 PM
Description : JULIAN DATE OF 295XY

Number of Times Edited : 1

Sequence File Header Information:

Number of Rows : 44
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	IB,		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	TFT/BFB 1, 150		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	TFT/BFB 2, 225		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	TFT/BFB 3, 450		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	TFT/BFB 4, 675		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	TFT/BFB 5, 950		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	IB,		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	MBTXE 1,2.5ng,9		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	MBTXE 2,5ng,98W		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	MBTXE 3,12.5ng,		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	MBTXE 4,50ng,98		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	MBTXE 5,100ng,9		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	MBTXE 6,250ng,9		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	MBTXE 7,500ng,9		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	MBTXE 8,750ng,9		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	MBTXE 9,1000ng,		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	IB,		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	IB,		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	ICV,98WS6573,		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	IB,		ICAL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y001	295Y001		295Y001	-	-	-	LPT1:
2	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y002	295Y002		295Y002	-	-	-	LPT1:
3	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y003	295Y003		295Y003	-	-	-	LPT1:
4	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y004	295Y004		295Y004	-	-	-	LPT1:
5	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y005	295Y005		295Y005	-	-	-	LPT1:
6	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y006	295Y006		295Y006	-	-	-	LPT1:
7	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y007	295Y007		295Y007	-	-	-	LPT1:
8	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y008	295Y008		295Y008	-	-	-	LPT1:
9	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y009	295Y009		295Y009	-	-	-	LPT1:
10	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y010	295Y010		295Y010	-	-	-	LPT1:
11	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y011	295Y011		295Y011	-	-	-	LPT1:
12	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y012	295Y012		295Y012	-	-	-	LPT1:
13	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y013	295Y013		295Y013	-	-	-	LPT1:
14	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y014	295Y014		295Y014	-	-	-	LPT1:
15	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y015	295Y015		295Y015	-	-	-	LPT1:
16	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y016	295Y016		295Y016	-	-	-	LPT1:
17	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y017	295Y017		295Y017	-	-	-	LPT1:
18	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y018	295Y018		295Y018	-	-	-	LPT1:
19	-	1	1	TVHBTXE	Y_BTXE	Y_102398	BTXE_S	295Y019	295Y019		295Y019	-	-	-	LPT1:
20	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y020	295Y020		295Y020	-	-	-	LPT1:
21	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y021	295Y021		295Y021	-	-	-	LPT1:
22	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y022	295Y022		295Y022	-	-	-	LPT1:
23	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y023	295Y023		295Y023	-	-	-	LPT1:
24	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y024	295Y024		295Y024	-	-	-	LPT1:
25	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y025	295Y025		295Y025	-	-	-	LPT1:
26	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y026	295Y026		295Y026	-	-	-	LPT1:
27	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y027	295Y027		295Y027	-	-	-	LPT1:
28	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y028	295Y028		295Y028	-	-	-	LPT1:
29	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y029	295Y029		295Y029	-	-	-	LPT1:
30	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y030	295Y030		295Y030	-	-	-	LPT1:
31	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y031	295Y031		295Y031	-	-	-	LPT1:
32	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y032	295Y032		295Y032	-	-	-	LPT1:
33	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y033	295Y033		295Y033	-	-	-	LPT1:
34	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y034	295Y034		295Y034	-	-	-	LPT1:
35	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y035	295Y035		295Y035	-	-	-	LPT1:
36	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y036	295Y036		295Y036	-	-	-	LPT1:
37	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y037	295Y037		295Y037	-	-	-	LPT1:
38	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y038	295Y038		295Y038	-	-	-	LPT1:
39	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y039	295Y039		295Y039	-	-	-	LPT1:
40	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y040	295Y040		295Y040	-	-	-	LPT1:
41	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y041	295Y041		295Y041	-	-	-	LPT1:
42	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y042	295Y042		295Y042	-	-	-	LPT1:
43	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y043	295Y043		295Y043	-	-	-	LPT1:
44	-	1	1	TVHBTXE	Y_BTXE	Y_080198	BTXE_S	295Y044	295Y044		295Y044	-	-	-	LPT1:

Turbochrom Sequence File : G:\GC19\ARCHIVE\BTXE\OCT22CAL.SEQ
Created by : TEW on : 10/22/98 01:21 PM
Edited by : TEW on : 10/23/98 12:53 PM
Description : JULIAN DATE OF 295Z

Number of Times Edited : 1

Sequence File Header Information:

Number of Rows : 44
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				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z001	295Z001		295Z001	-	-	-	LPT1:
2	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z002	295Z002		295Z002	-	-	-	LPT1:
3	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z003	295Z003		295Z003	-	-	-	LPT1:
4	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z004	295Z004		295Z004	-	-	-	LPT1:
5	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z005	295Z005		295Z005	-	-	-	LPT1:
6	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z006	295Z006		295Z006	-	-	-	LPT1:
7	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z007	295Z007		295Z007	-	-	-	LPT1:
8	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z008	295Z008		295Z008	-	-	-	LPT1:
9	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z009	295Z009		295Z009	-	-	-	LPT1:
10	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z010	295Z010		295Z010	-	-	-	LPT1:
11	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z011	295Z011		295Z011	-	-	-	LPT1:
12	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z012	295Z012		295Z012	-	-	-	LPT1:
13	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z013	295Z013		295Z013	-	-	-	LPT1:
14	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z014	295Z014		295Z014	-	-	-	LPT1:
15	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z015	295Z015		295Z015	-	-	-	LPT1:
16	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z016	295Z016		295Z016	-	-	-	LPT1:
17	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z017	295Z017		295Z017	-	-	-	LPT1:
18	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z018	295Z018		295Z018	-	-	-	LPT1:
19	-	1	1	Z_102398	Z_BTXE	Z_102398	SOIL	295Z019	295Z019		295Z019	-	-	-	LPT1:
20	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z020	295Z020		295Z020	-	-	-	LPT1:
21	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z021	295Z021		295Z021	-	-	-	LPT1:
22	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z022	295Z022		295Z022	-	-	-	LPT1:
23	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z023	295Z023		295Z023	-	-	-	LPT1:
24	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z024	295Z024		295Z024	-	-	-	LPT1:
25	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z025	295Z025		295Z025	-	-	-	LPT1:
26	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z026	295Z026		295Z026	-	-	-	LPT1:
27	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z027	295Z027		295Z027	-	-	-	LPT1:
28	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z028	295Z028		295Z028	-	-	-	LPT1:
29	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z029	295Z029		295Z029	-	-	-	LPT1:
30	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z030	295Z030		295Z030	-	-	-	LPT1:
31	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z031	295Z031		295Z031	-	-	-	LPT1:
32	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z032	295Z032		295Z032	-	-	-	LPT1:
33	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z033	295Z033		295Z033	-	-	-	LPT1:
34	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z034	295Z034		295Z034	-	-	-	LPT1:
35	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z035	295Z035		295Z035	-	-	-	LPT1:
36	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z036	295Z036		295Z036	-	-	-	LPT1:
37	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z037	295Z037		295Z037	-	-	-	LPT1:
38	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z038	295Z038		295Z038	-	-	-	LPT1:
39	-	1	2	Z_080198	Z_BTXE	Z_080198	SOIL	295Z039	295Z039		295Z039	-	-	-	LPT1:
40	-	1	2	Z_080198	Z_BTXE	Z_080198	SOIL	295Z040	295Z040		295Z040	-	-	-	LPT1:
41	-	1	2	Z_080198	Z_BTXE	Z_080198	SOIL	295Z041	295Z041		295Z041	-	-	-	LPT1:
42	-	1	2	Z_080198	Z_BTXE	Z_080198	SOIL	295Z042	295Z042		295Z042	-	-	-	LPT1:
43	-	1	2	Z_080198	Z_BTXE	Z_080198	SOIL	295Z043	295Z043		295Z043	-	-	-	LPT1:
44	-	1	1	Z_080198	Z_BTXE	Z_080198	SOIL	295Z044	295Z044		295Z044	-	-	-	LPT1:

Analyst: RH Date: 10-27-98 Sequence Name: OCT 22 C, 1 Page 35

Batch No.: File Prefix: 295XYZ Continued from Page: —

File No.	Stn. No	Sample Name	Wt/vol	pH	Comment	Std. NO.	Lims No. STD Name	Vial
1		IB	1a	NA		1	98WS6574	
2	2	TFT/BFB 1			10/22/98 2:21pm		daily SS 410 ppm	
3	3	TFT/BFB 2				2	98WS6471	
4	4	·/BFB 3					SS 150	
5	5	TFT/BFB 4				3	98WS6472	
6	6	TFT/BFB 5					SS 225	
7		IB				4	98WS6473	
8	7	MBTXE 1 2.5 ng					SS 450	
9	7	2 5 ng				5	98WS6474	
10	8	3 2.5 ng					SS 675	
11	9	4 5 ng				6	98WS6475	
12	9	5 [illegible] ng					SS 950	
13	10	6 25 ng				7	98WS6491	
14	10	7 [illegible] ng					0.5 BTXE	
15	11	8 [illegible] ng				8	98WS6492	
16	11	[illegible] [illegible] ng					2.5 BTXE	
17		IB				9	98WS6493	
18		IB					20 BTXE	
19	12	ICV,			10/23/98 1:44am	10	98WS6494	
							50 BTXE	
						11	98WS6495	
							100 BTXE	
						12	98WS6573	
							BTEX 2nd 20 ppm	

Ical on page(s) of BK

~~All runs~~ rows 7-19 rec'd std#1

Continued on Page: —

Signed: Robert Hopkins Date: 10-27-98

Read and Understood by: Greg E. [illegible] Signed Date: 11-3-98

Curtis & Tompkins, Ltd. Sample Batch Report

Batch Number: 44530
Date Started: 10-NOV-98
Batched By : Troy E. Windsor

Analysis : N/A
Bgroup: : TVH
Department: GC Organics

Sample No.	Type		Client	Matrix	Analysis	Due Date
136335-001			Tetra Tech, Inc.	Water	BTXE	11-NOV-98
136335-002			Tetra Tech, Inc.	Water	BTXE	11-NOV-98
136335-003			Tetra Tech, Inc.	Water	BTXE	11-NOV-98
136335-004			Tetra Tech, Inc.	Water	BTXE	11-NOV-98
136335-005			Tetra Tech, Inc.	Water	BTXE	11-NOV-98
136335-006			Tetra Tech, Inc.	Water	BTXE	11-NOV-98
136335-007			Tetra Tech, Inc.	Water	BTXE	11-NOV-98
136445-001			Harding Lawson Associates	Water	BTXE	11-NOV-98
136445-001			Harding Lawson Associates	Water	TVH	11-NOV-98
136445-002			Harding Lawson Associates	Water	BTXE	11-NOV-98
136445-002			Harding Lawson Associates	Water	TVH	11-NOV-98
136445-003			Harding Lawson Associates	Water	BTXE	11-NOV-98
136445-003			Harding Lawson Associates	Water	TVH	11-NOV-98
136445-004			Harding Lawson Associates	Water	BTXE	11-NOV-98
136445-004			Harding Lawson Associates	Water	TVH	11-NOV-98
136445-005			Harding Lawson Associates	Water	BTXE	11-NOV-98
136445-005			Harding Lawson Associates	Water	TVH	11-NOV-98
136445-006			Harding Lawson Associates	Water	BTXE	11-NOV-98
136445-006			Harding Lawson Associates	Water	TVH	11-NOV-98
136445-007			Harding Lawson Associates	Water	BTXE	11-NOV-98
136445-007			Harding Lawson Associates	Water	TVH	11-NOV-98
QC84202	BS			Water		
QC84203	MB			Water		
QC84204	MS	of 136445-007		Water		
QC84205	MSD	of 136445-007		Water		
QC84305	LCS			Water		
QC84372	BSD			Water		

Curtis & Tompkins, Ltd. Sample Batch Report

Batch Number: 44601
Date Started: 12-NOV-98
Batched By : Troy E. Windsor

Analysis : N/A
Bgroup: : TVH
Department: GC Organics

Sample No.	Type	Client	Matrix	Analysis	Due Date
L36335-001		Tetra Tech, Inc.	Water	BTXE	11-NOV-98
L36335-002		Tetra Tech, Inc.	Water	BTXE	11-NOV-98
L36335-004		Tetra Tech, Inc.	Water	BTXE	11-NOV-98
L36386-001		Azure Environmental	Water	BTXE	06-NOV-98
L36386-001		Azure Environmental	Water	TVH	06-NOV-98
L36386-002		Azure Environmental	Water	BTXE	06-NOV-98
L36386-002		Azure Environmental	Water	TVH	06-NOV-98
L36386-003		Azure Environmental	Water	BTXE	06-NOV-98
L36386-003		Azure Environmental	Water	TVH	06-NOV-98
L36386-005		Azure Environmental	Water	BTXE	06-NOV-98
L36386-005		Azure Environmental	Water	TVH	06-NOV-98
L36386-007		Azure Environmental	Water	BTXE	06-NOV-98
L36386-007		Azure Environmental	Water	TVH	06-NOV-98
L36445-001		Harding Lawson Associates	Water	BTXE	11-NOV-98
L36445-003		Harding Lawson Associates	Water	BTXE	11-NOV-98
L36445-005		Harding Lawson Associates	Water	BTXE	11-NOV-98
L36445-007		Harding Lawson Associates	Water	BTXE	11-NOV-98
QC84459	MB		Water		
QC84460	BS		Water		
QC84461	BSD		Water		
QC84466	LCS		Water		

Curtis & Tompkins Ltd.

TEH-Tot Ext Hydrocarbons

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8015M
Prep Method: EPA 3520

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
136445-002	MW-2	44501	11/06/98	11/06/98	11/10/98	
136445-003	MW-4	44501	11/06/98	11/06/98	11/12/98	
136445-004	MW-5	44501	11/06/98	11/06/98	11/11/98	
136445-005	MW-6	44501	11/06/98	11/06/98	11/11/98	

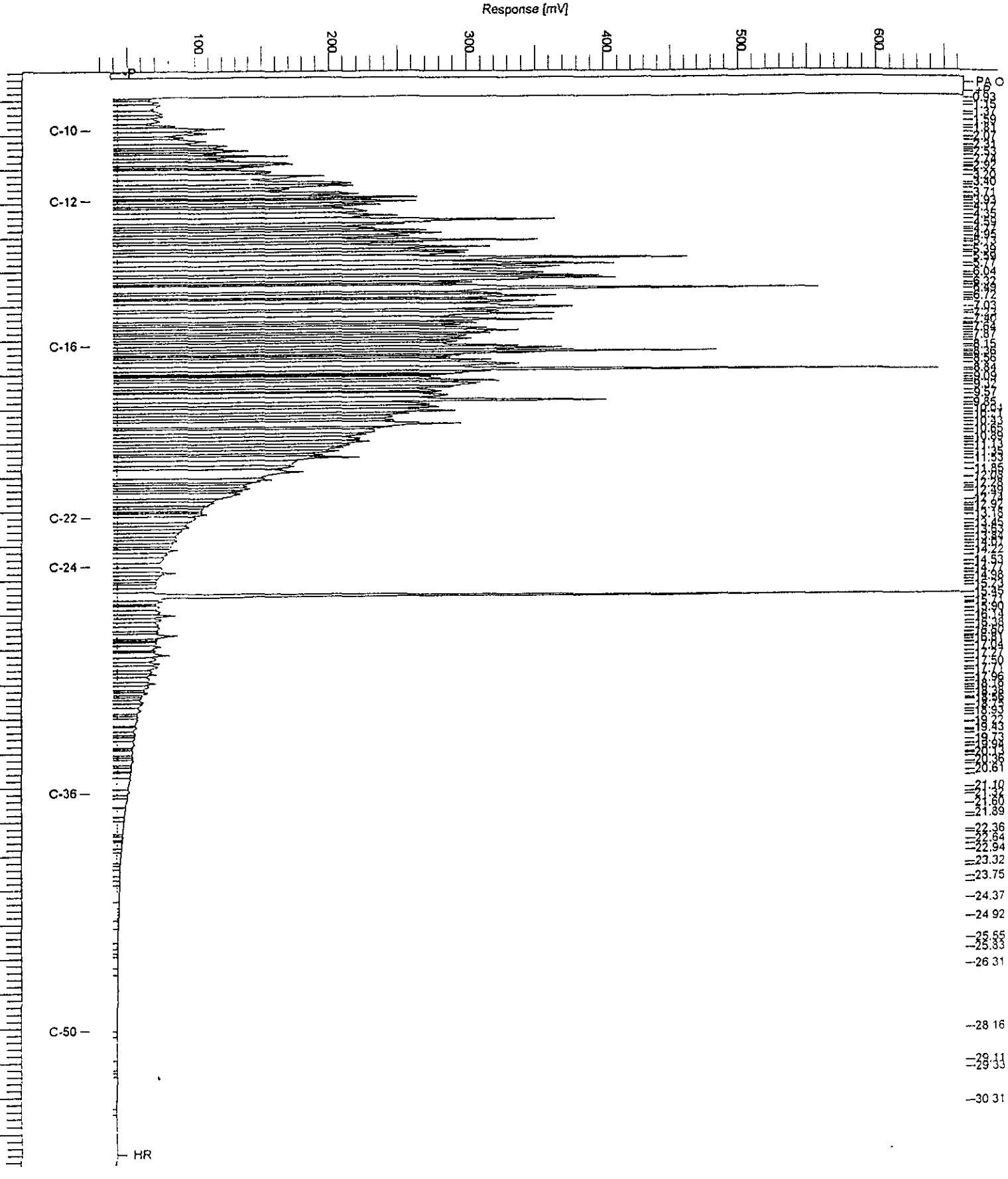
Matrix: Water

Analyte	Units	136445-002	136445-003	136445-004	136445-005	
Diln Fac:		1	1	1	1	
Diesel C10-C24	ug/L	<50	<50	<50	12000	
Motor Oil C24-C36	ug/L	<300	<300	<300	1200	YL
Surrogate						
Hexacosane	%REC	72	84	60	68	

Y: Sample exhibits fuel pattern which does not resemble standard
L: Lighter hydrocarbons than indicated standard

Chromatogram

Sample Name : 136445-005,44501,sg Sample #: 44501 Page 1 of 1
FileName : X:\GC13\CHB\314b010.raw
[redacted]e : 11/11/98 04:01:28 PM
[redacted]thod : Bteh309.mth Time of Injection: 11/11/98 12:58:45 AM
[redacted]t Time : 0.15 min End Time 31.91 min Low Point : 23.27 mV High Point : 664.20 mV
Scale Factor: 0.0 Plot Offset: 23.27 mV Plot Scale: 640.9 mV



Curtis & Tompkins Ltd.

TEH-Tot Ext Hydrocarbons

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8015M
Prep Method: EPA 3520

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
136445-006	MW-7	44501	11/06/98	11/06/98	11/11/98	
136445-007	DUP	44501	11/06/98	11/06/98	11/11/98	

Matrix: Water

Analyte	Units	136445-006	136445-007
Diln Fac:		1	1
Diesel C10-C24	ug/L	<50	<50
Motor Oil C24-C36	ug/L	<300	<300
Surrogate			
Hexacosane	%REC	54	78

Lab #: 136445

BATCH QC REPORT

Curtis & Tompkins, Ltd.

TEH-Tot Ext Hydrocarbons

Client:	Harding Lawson Associates	Analysis Method:	EPA 8015M
Location:	2277 7th Street	Prep Method:	EPA 3520

METHOD BLANK

Matrix:	Water	Prep Date:	11/06/98
Batch#:	44501	Analysis Date:	11/10/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC84085

Analyte	Result	
Diesel C10-C24	<50	
Surrogate	**%Rec**	**Recovery Limits**
Hexacosane	56	53-136

TEH-Tot Ext Hydrocarbons

Client: Harding Lawson Associates
Location: 2277 7th Street
Analysis Method: EPA 8015M
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 44501
Units: ug/L
Diln Fac: 1
Prep Date: 11/06/98
Analysis Date: 11/12/98

BS Lab ID: QC84086

Analyte	Spike Added	BS	%Rec #	Limits
Diesel C10-C24	2475	1552	62	58-110

Surrogate	%Rec	Limits
Hexacosane	91	53-136

BSD Lab ID: QC84087

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Diesel C10-C24	2475	1808	73	58-110	17	21

Surrogate	%Rec	Limits
Hexacosane	101	53-136

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

Curtis & Tompkins Ltd.

TEH-Tot Ext Hydrocarbons

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8015M
Prep Method: EPA 3520

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
136445-006	MW-7	44501	11/06/98	11/06/98	11/11/98	
136445-007	DUP	44501	11/06/98	11/06/98	11/11/98	

Matrix: Water

Analyte	Units	136445-006	136445-007
Diln Fac:		1	1
Diesel C10-C24	ug/L	<50	<50
Motor Oil C24-C36	ug/L	<300	<300
Surrogate			
Hexacosane	%REC	54	78

Curtis & Tompkins Ltd.

TEH-Tot Ext Hydrocarbons

Client: Harding Lawson Associates
Location: 2277 7th Street

Analysis Method: EPA 8015M
Prep Method: EPA 3520

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
136445-002	MW-2	44501	11/06/98	11/06/98	11/10/98	
136445-003	MW-4	44501	11/06/98	11/06/98	11/12/98	
136445-004	MW-5	44501	11/06/98	11/06/98	11/11/98	
136445-005	MW-6	44501	11/06/98	11/06/98	11/11/98	

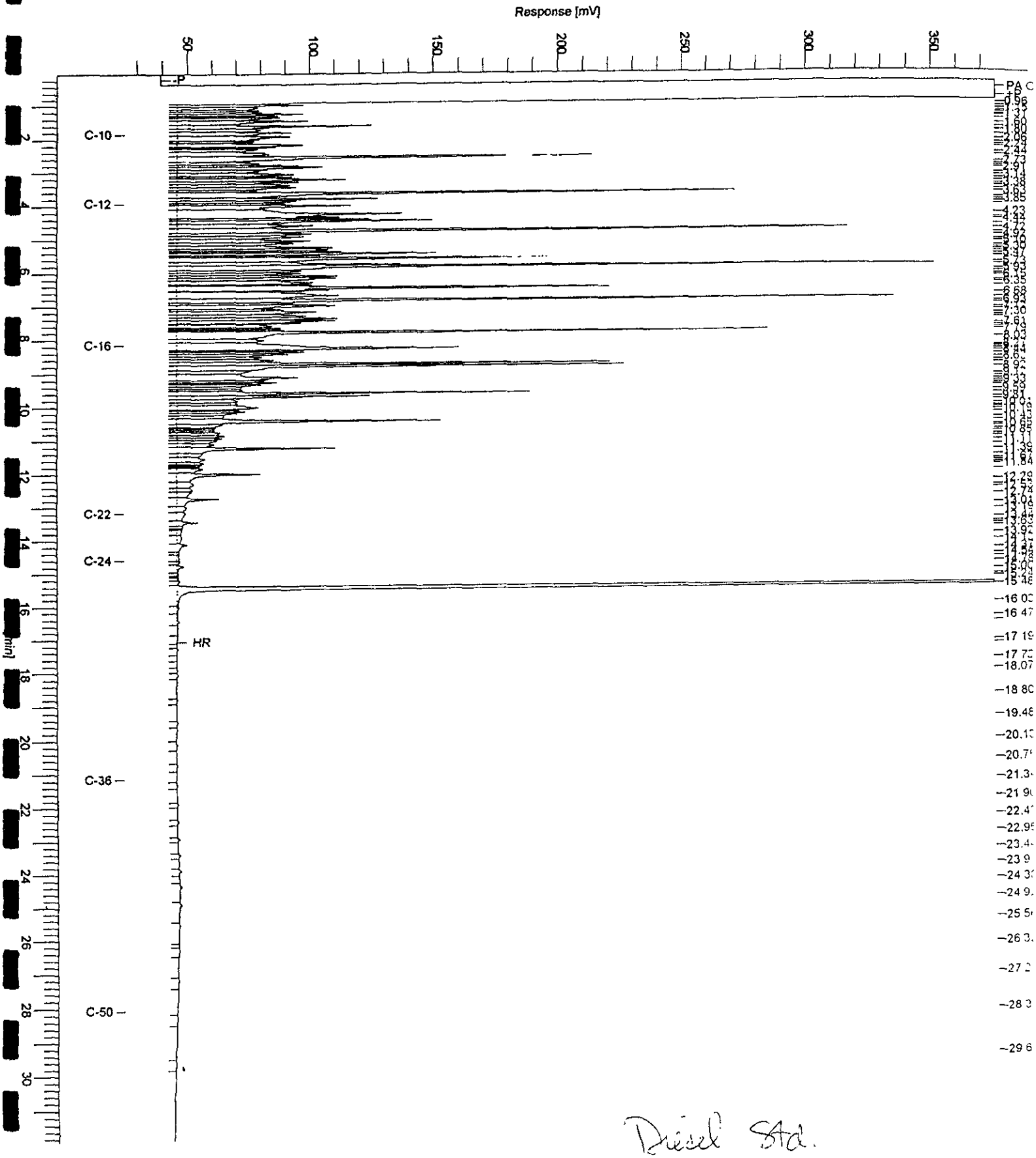
Matrix: Water

Analyte	Units	136445-002	136445-003	136445-004	136445-005	
Diln Fac:		1	1	1	1	
Diesel C10-C24	ug/L	<50	<50	<50	12000	
Motor Oil C24-C36	ug/L	<300	<300	<300	1200	YL
Surrogate						
Hexacosane	%REC	72	84	60	68	

Y: Sample exhibits fuel pattern which does not resemble standard
L: Lighter hydrocarbons than indicated standard

Chromatogram

Sample Name : ccv,98ws6585,ds Sample #: 500mg/l Page 1 of 1
FileName : X:\GC13\CHB\314b001.raw
Time : 11/11/98 03:14:11 PM
Method : Bteh309.mth Time of Injection: 11/10/98 06:46:11 PM
Start Time : 0.01 min End Time 31.91 min Low Point : 24.61 mV High Point : 375.59 mV
Scale Factor: 0.0 Plot Offset: 24.61 mV Plot Scale: 351.0 mV



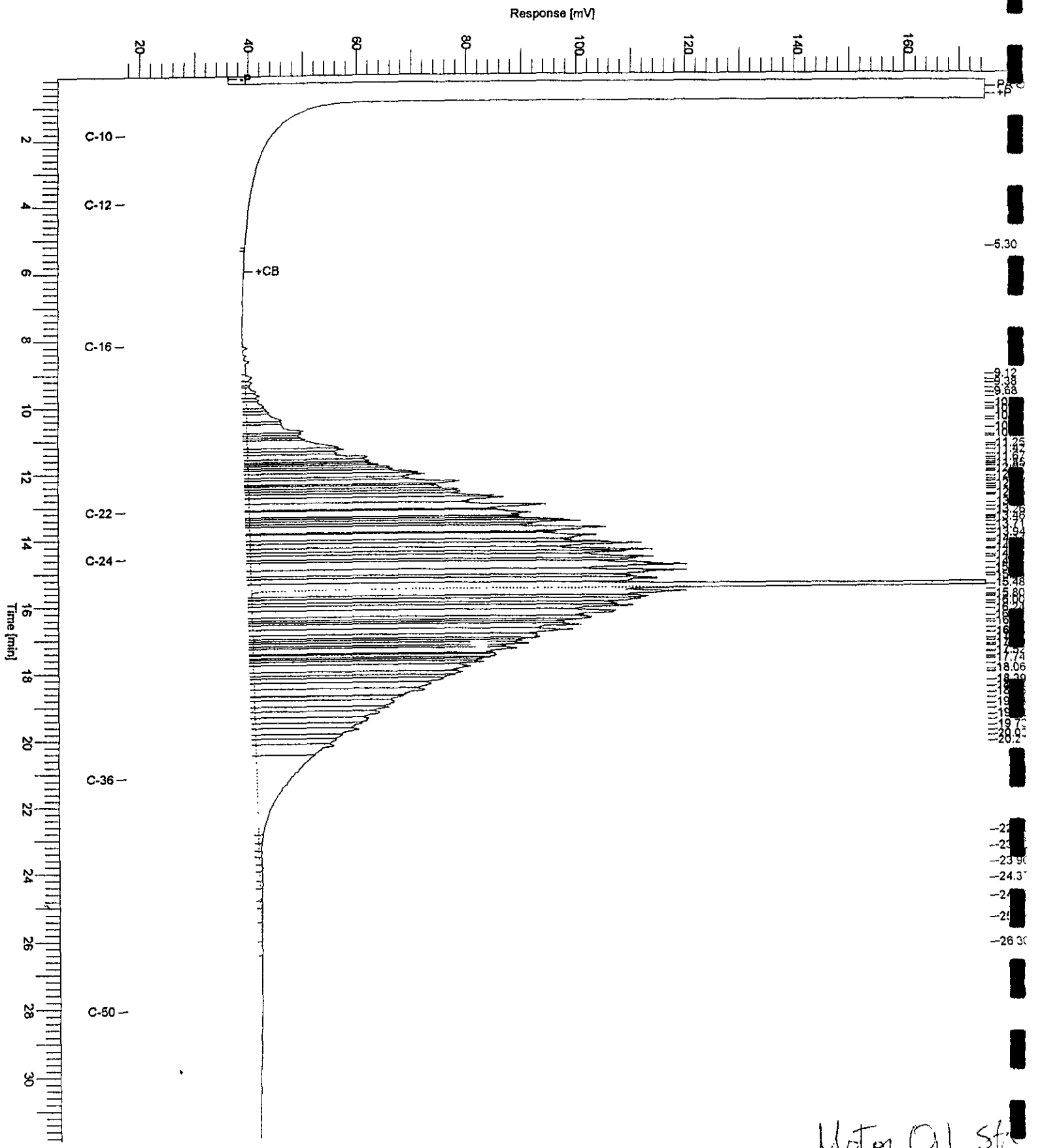
Diesel Std.

Chromatogram

Sample Name : CCV,98WS6334,.mo
FileName : X:\GC13\CHB\314b004.raw
Date : 11/11/98 03:45:59 PM
Method : Bteh309.mth
Start Time : 0.09 min
Scale Factor: 0.0

Sample #: 500MG/L
Page 1 of 1

Time of Injection: 11/10/98 08:50:32 PM
End Time : 31.91 min
Low Point : 17.20 mV
High Point : 174.58 mV
Plot Offset: 17.20 mV
Plot Scale: 157.4 mV



Motor Oil Std

Turbochrom Method File G:\GC13\Bteh309.mth <Modified>
Printed by : GC13 on: 11/18/98 01:52:55 PM
Created by : GC13 on: 11/10/98 09:39:03 AM
Edited by : GC13 on: 11/18/98 01:52:55 PM
Number of Times Edited : 1
Number of Times Calibrated : 131072
Description: DSL CAL 10/7/98 SEQ. 1002
MO CAL 10/7/98 SEQ. 1002
JP5 CAL 10/7/98 SEQ. 1002
JETA 1PT, 11/18/98 SEQ. 1116
KEROSENE 10/9/98 SEQ 1008
HO 1PT 10/15/98 SEQ1014
BUNKER 1PT,10/29/98 SEQ1026

Instrument Conditions
Capillary GC -
Instrument : GC15/5890SII+/EPC
Column : RTX-1
Column Length : 15m./.32ID/.1DF
Carrier Gas : HE
Flow Rate :EPCAB60/A.85/B.85
Split Ratio :18:1/SPLIT FLOW 12
Temperature :50
Injection Temp.: 280
Detector 1 : 340
Detector 2 : 340
Notes : INSTRUMENT PARAMETERS FOR DUAL CHANNEL OPERATION

Instrument Control Method
Instrument Name : HP5890A-GC13
Instrument Type : HP5890A GC with HP7673A Autosampler

Channel Parameters
Data will be collected from both channels
Delay Time : 0.00 min
Run Time : 31.92 min
Sampling Rate : 1.2500 pts/s

	Channel A	Channel B
Signal Source	None	DetB 0

Autosampler Method
Syringe Capacity : 10 µL
Injection Speed : Normal
Viscosity Delay : 0
Post-injection Solvent Washes (A) : 3
Injection Volume : 3.0 µL
Sample Pumps : 3
Pre-injection Sample Washes : 3
Post-injection Solvent Washes (B) : 3

Carriers Parameters
Carrier A control : Flow - He

Carrier B control : Flow - He

Valve configuration and settings
Valve 1 : PURGE Off
Valve 2 : PURGE On

Detector Parameters

	Detector A	Detector B
Detector	FID	FID
Range	0	0
Autozero	OFF	OFF
Polarity		

Heated Zones
Injector A:
Setpoint : 280 °C

Injector B:
Setpoint : 280 °C

Detector A : 340°C
Detector B : 340°C

Oven Program
Cryogenics : Off
Initial Temp : 50°C
Initial Hold : 1.00 min
Ramp 1 : 12.0 0/min to 325°, hold for 8.00 min

Total Run Time : 31.92 min
Maximum Temp : 325°C
Equilibration Time : 3.00 min

Timed Events
There are no timed events in the method

Real Time Plot Parameters

	Pages	Offset (mV)	Scale (mV)
Channel A	1	0.000	1000.000
Channel B	1	25.000	100.000

Processing Parameters
Bunch Factor : 1 points
Noise Threshold : 10 μV
Area Threshold : 100.00 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 - Disable Peak Detection at 0.174
Event #2 - Enable Peak Detection at 0.747
Event #3 - Backward Baseline at 20.639

Optional Reports
No report format files given

Optional Report Plot Parameters

Plot Number	1	2	3	4	5
Generate this plot	No	No	No	No	No
Set Plot Limits to Data Limits	Yes	Yes	Yes	Yes	Yes
Start Time					
End Time					
Scale Type	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling
Scale Factor	1.000	1.000	1.000	1.000	1.000
Full Scale					
Offset					

Annotated Replot Parameters
Offset & Scale set to absolute values
Include timed event annotations

Plot Offset : 20.000 μV
Plot Scale : 150.000 μV
Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Top of Plot
Component Labels : Actual Time
Start Time : 0.00
End Time : 30.00

User Programs
No user programs will be executed

Global Sample Information

Default Sample Volume	: 1.000 uL
Quantitation Units	: ng
Void Time	: 0.000 min
Correct amounts during calibration	: Yes
Convert unknowns to concentration units	: 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
First peak will be relative retention reference

Component Information
C-10

Component Type	: Single Peak Component
Retention Time	: 1.847 min
Search Window	: 0.00 s, 0.00 %
Reference Component	:

Find peak closest to expected RT in window
Quantitation will be done using response factor = 1.000000e+06

User Values

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

C-12

Component Type	: Single Peak Component
Retention Time	: 3.923 min
Search Window	: 0.00 s, 0.00 %
Reference Component	:

Find peak closest to expected RT in window
Quantitation will be done using response factor = 1.000000e+06

User Values

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

JP5:10-16

Component Type	: Timed Group
Start Time	: 1.847
End Time	: 8.154
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	: 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	10.0000	538494.93	140974.64	----------	----------	1
2	100.0000	4784846.07	1.40e+06	----------	----------	1
3	250.0000	11946555.24	3.48e+06	----------	----------	1
4	500.0000	24179492.22	7.03e+06	----------	----------	1
5	1000.0000	48996193.04	1.30e+07	----------	----------	1
6	1500.0000	71015612.02	1.72e+07	----------	----------	1
7	2500.0000	1.19e+08	2.73e+07	----------	----------	1
8	3000.0000	1.36e+08	2.81e+07	----------	----------	1

Average Calibration Factor = 48421.082105 (%RSD = 4.99)

JP7:10-16

Component Type : Timed Group
Start Time : 1.847
End Time : 8.154
Reference Component :
Quantitation will be done using response factor = 1.000000e+11

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	10.0000	538494.93	140974.64	----------	----------	1
2	100.0000	4784846.07	1.40e+06	----------	----------	1
3	250.0000	11946555.24	3.48e+06	----------	----------	1
4	500.0000	24179492.22	7.03e+06	----------	----------	1
5	1000.0000	48996193.04	1.30e+07	----------	----------	1
6	1500.0000	71015612.02	1.72e+07	----------	----------	1
7	2500.0000	1.19e+08	2.73e+07	----------	----------	1
8	3000.0000	1.36e+08	2.81e+07	----------	----------	1

KER:10-16

Component Type : Timed Group
Start Time : 1.847
End Time : 8.154
Reference Component :
Quantitation will be done using response factor = 44457.800000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00	----------	----------	0
13	0.0001	0.00	0.00	----------	----------	0
14	0.0001	0.00	0.00	----------	----------	0
15	0.0001	0.00	0.00	----------	----------	0
16	0.0001	0.00	0.00	----------	----------	0
17	0.0001	0.00	0.00	----------	----------	0
18	0.0001	0.00	0.00	----------	----------	0
8	3000.0000	1.36e+08	2.81e+07	----------	----------	1

JETA:10-16
Component Type : Timed Group
Start Time : 1.847
End Time : 8.154
Reference Component :
Quantitation will be done using response factor = 40928.880000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
31	10.0000	847347.90	163187.55	————	————	1
32	75.0000	3999662.02	940325.13	————	————	1
33	150.0000	7570224.54	1.90e+06	————	————	1
34	300.0000	14809746.58	3.62e+06	————	————	1
35	750.0000	36081029.09	8.72e+06	————	————	1
36	1500.0000	72179755.24	1.68e+07	————	————	1
37	3000.0000	1.40e+08	2.81e+07	————	————	1
8	3000.0000	1.36e+08	2.81e+07	————	————	1

C-16
Component Type : Single Peak Component
Retention Time : 8.154 min
Search Window : 0.00 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Quantitation will be done using response factor = 1.000000e+06

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
31	10.0000	847347.90	163187.55	————	————	1
32	75.0000	3999662.02	940325.13	————	————	1
33	150.0000	7570224.54	1.90e+06	————	————	1
34	300.0000	14809746.58	3.62e+06	————	————	1
35	750.0000	36081029.09	8.72e+06	————	————	1
36	1500.0000	72179755.24	1.68e+07	————	————	1
37	3000.0000	1.40e+08	2.81e+07	————	————	1
8	3000.0000	1.36e+08	2.81e+07	————	————	1

DSL:10-24
Component Type : Timed Group
Start Time : 1.847
End Time : 14.593
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	631124.79	160723.97	----------	----------	1
21	50.0000	2711908.21	743513.78	----------	----------	1
22	100.0000	5585885.48	1.50e+06	----------	----------	1
23	250.0000	13759903.05	3.70e+06	----------	----------	1
24	500.0000	27057797.69	7.56e+06	----------	----------	1
25	1000.0000	55725351.93	1.45e+07	----------	----------	1
26	2500.0000	1.35e+08	2.95e+07	----------	----------	1
27	5000.0000	2.60e+08	4.54e+07	----------	----------	1

Average Calibration Factor = 55489.850341 (%RSD = 5.98)

DSL:12-22
Component Type : Timed Group
Start Time : 3.923
End Time : 13.167
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	493763.64	126618.94	----------	----------	1
21	50.0000	2189410.97	608757.18	----------	----------	1
22	100.0000	4551338.72	1.23e+06	----------	----------	1
23	250.0000	11378799.36	3.06e+06	----------	----------	1
24	500.0000	22440467.73	6.27e+06	----------	----------	1
25	1000.0000	47352199.60	1.25e+07	----------	----------	1
26	2500.0000	1.14e+08	2.50e+07	----------	----------	1
27	5000.0000	2.20e+08	3.92e+07	----------	----------	1

Average Calibration Factor = 45784.169181 (%RSD = 3.98)

CYTORSOY:12-22
Component Type : Timed Group
Start Time : 3.923
End Time : 13.167
Reference Component :
Quantitation will be done using response factor = 1.000000e+11

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	493763.64	126618.94	----------	----------	1
21	50.0000	2189410.97	608757.18	----------	----------	1
22	100.0000	4551338.72	1.23e+06	----------	----------	1
23	250.0000	11378799.36	3.06e+06	----------	----------	1
24	500.0000	22440467.73	6.27e+06	----------	----------	1
25	1000.0000	47352199.60	1.25e+07	----------	----------	1
26	2500.0000	1.14e+08	2.50e+07	----------	----------	1
27	5000.0000	2.20e+08	3.92e+07	----------	----------	1

DSL:12-24
Component Type : Timed Group
Start Time : 3.923
End Time : 14.593
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	503318.13	130370.75			1
21	50.0000	2219632.49	616269.53			1
22	100.0000	4594512.21	1.24e+06			1
23	250.0000	11475679.12	3.08e+06			1
24	500.0000	22618469.07	6.31e+06			1
25	1000.0000	47735577.02	1.26e+07			1
26	2500.0000	1.15e+08	2.52e+07			1
27	5000.0000	2.22e+08	3.97e+07			1

Average Calibration Factor = 46271.760878 (%RSD = 4.23)

DSL:10-28
Component Type : Timed Group
Start Time : 1.847
End Time : 17.073
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	639328.20	164483.39			1
21	50.0000	2725177.47	747587.97			1
22	100.0000	5601447.78	1.51e+06			1
23	250.0000	13793538.62	3.71e+06			1
24	500.0000	27110289.86	7.58e+06			1
25	1000.0000	55861690.78	1.46e+07			1
26	2500.0000	1.35e+08	2.95e+07			1
27	5000.0000	2.60e+08	4.56e+07			1

Average Calibration Factor = 55725.298575 (%RSD = 6.35)

DSL:12-28
Component Type : Timed Group
Start Time : 3.923
End Time : 17.073
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	511521.53	134130.17	----------	----------	1
21	50.0000	2232901.75	620343.72	----------	----------	1
22	100.0000	4610074.50	1.25e+06	----------	----------	1
23	250.0000	11509314.69	3.09e+06	----------	----------	1
24	500.0000	22670961.23	6.33e+06	----------	----------	1
25	1000.0000	47871915.87	1.27e+07	----------	----------	1
26	2500.0000	1.16e+08	2.53e+07	----------	----------	1
27	5000.0000	2.23e+08	3.98e+07	----------	----------	1

Average Calibration Factor = 46507.209113 (%RSD = 4.62)

TRIMSOL:12-36
Component Type : Timed Group
Start Time : 3.923
End Time : 21.155
Reference Component :
Quantitation will be done using response factor = 1.000000e+11

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	511521.53	134130.17	----------	----------	1
21	50.0000	2232901.75	620343.72	----------	----------	1
22	100.0000	4610074.50	1.25e+06	----------	----------	1
23	250.0000	11509314.69	3.09e+06	----------	----------	1
24	500.0000	22670961.23	6.33e+06	----------	----------	1
25	1000.0000	47871915.87	1.27e+07	----------	----------	1
26	2500.0000	1.16e+08	2.53e+07	----------	----------	1
27	5000.0000	2.23e+08	3.98e+07	----------	----------	1

C-22
Component Type : Single Peak Component
Retention Time : 13.167 min
Search Window : 0.00 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Quantitation will be done using response factor = 1.000000e+06

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	511521.53	134130.17	----------	----------	1
21	50.0000	2232901.75	620343.72	----------	----------	1
22	100.0000	4610074.50	1.25e+06	----------	----------	1
23	250.0000	11509314.69	3.09e+06	----------	----------	1
24	500.0000	22670961.23	6.33e+06	----------	----------	1
25	1000.0000	47871915.87	1.27e+07	----------	----------	1
26	2500.0000	1.16e+08	2.53e+07	----------	----------	1
27	5000.0000	2.23e+08	3.98e+07	----------	----------	1

C-24

Component Type : Single Peak Component
Retention Time : 14.593 min
Search Window : 0.00 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Quantitation will be done using response factor = 1.000000e+06

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	511521.53	134130.17	----------	----------	1
21	50.0000	2232901.75	620343.72	----------	----------	1
22	100.0000	4610074.50	1.25e+06	----------	----------	1
23	250.0000	11509314.69	3.09e+06	----------	----------	1
24	500.0000	22670961.23	6.33e+06	----------	----------	1
25	1000.0000	47871915.87	1.27e+07	----------	----------	1
26	2500.0000	1.16e+08	2.53e+07	----------	----------	1
27	5000.0000	2.23e+08	3.98e+07	----------	----------	1

TRANSOIL:12-50

Component Type : Timed Group
Start Time : 3.923
End Time : 28.082
Reference Component :
Quantitation will be done using response factor = 1.000000e+11

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	511521.53	134130.17	----------	----------	1
21	50.0000	2232901.75	620343.72	----------	----------	1
22	100.0000	4610074.50	1.25e+06	----------	----------	1
23	250.0000	11509314.69	3.09e+06	----------	----------	1
24	500.0000	22670961.23	6.33e+06	----------	----------	1
25	1000.0000	47871915.87	1.27e+07	----------	----------	1
26	2500.0000	1.16e+08	2.53e+07	----------	----------	1
27	5000.0000	2.23e+08	3.98e+07	----------	----------	1

BUNKC:12-50
Component Type : Timed Group
Start Time : 3.923
End Time : 28.082
Reference Component :
Quantitation will be done using response factor = 22242.692000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
20	10.0000	511521.53	134130.17			1
21	50.0000	2232901.75	620343.72			1
22	100.0000	4610074.50	1.25e+06			1
23	250.0000	11509314.69	3.09e+06			1
24	500.0000	22670961.23	6.33e+06			1
25	1000.0000	47871915.87	1.27e+07			1
26	2500.0000	1.16e+08	2.53e+07			1
27	5000.0000	2.23e+08	3.98e+07			1

MO:20-36
Component Type : Timed Group
Start Time : 11.647
End Time : 21.155
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
40	50.0000	2276607.20	319529.55			1
42	250.0000	13045427.02	1.93e+06			1
43	500.0000	25910003.77	3.73e+06			1
44	750.0000	31517582.40	4.42e+06			1
45	1000.0000	49287314.37	7.11e+06			1
46	2500.0000	1.20e+08	1.59e+07			1
47	5000.0000	2.41e+08	2.75e+07			1
48	7500.0000	3.61e+08	4.03e+07			1

Average Calibration Factor = 48170.019593 (%RSD = 6.81)

MO:24-36
Component Type : Timed Group
Start Time : 14.593
End Time : 21.155
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
40	50.0000	1562654.32	211814.69	----------	----------	1
42	250.0000	9167733.44	1.29e+06	----------	----------	1
43	500.0000	18207540.48	2.55e+06	----------	----------	1
44	750.0000	22149759.63	2.87e+06	----------	----------	1
45	1000.0000	35051380.55	4.65e+06	----------	----------	1
46	2500.0000	87127893.52	1.09e+07	----------	----------	1
47	5000.0000	1.78e+08	1.91e+07	----------	----------	1
48	7500.0000	2.66e+08	2.74e+07	----------	----------	1

Average Calibration Factor = 34357.837930 (%RSD = 7.46)

MO:22-50
Component Type : Timed Group
Start Time : 13.167
End Time : 28.082
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
40	50.0000	2123383.07	288410.79	----------	----------	1
42	250.0000	12160600.01	1.71e+06	----------	----------	1
43	500.0000	23906750.70	3.34e+06	----------	----------	1
44	750.0000	29329826.90	3.97e+06	----------	----------	1
45	1000.0000	45754386.19	6.20e+06	----------	----------	1
46	2500.0000	1.12e+08	1.41e+07	----------	----------	1
47	5000.0000	2.29e+08	2.46e+07	----------	----------	1
48	7500.0000	3.36e+08	3.52e+07	----------	----------	1

Average Calibration Factor = 44917.787983 (%RSD = 6.70)

HYFL:22-50
Component Type : Timed Group
Start Time : 13.167
End Time : 28.082
Reference Component :
Quantitation will be done using response factor = 42655.610000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
40	50.0000	2123383.07	288410.79	----------	----------	1
42	250.0000	12160600.01	1.71e+06	----------	----------	1
43	500.0000	23906750.70	3.34e+06	----------	----------	1
44	750.0000	29329826.90	3.97e+06	----------	----------	1
45	1000.0000	45754386.19	6.20e+06	----------	----------	1
46	2500.0000	1.12e+08	1.41e+07	----------	----------	1
47	5000.0000	2.29e+08	2.46e+07	----------	----------	1
48	7500.0000	3.36e+08	3.52e+07	----------	----------	1

C-36
Component Type : Single Peak Component
Retention Time : 21.155 min
Search Window : 0.00 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Quantitation will be done using response factor = 1.000000e+06

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
40	50.0000	2123383.07	288410.79	----------	----------	1
42	250.0000	12160600.01	1.71e+06	----------	----------	1
43	500.0000	23906750.70	3.34e+06	----------	----------	1
44	750.0000	29329826.90	3.97e+06	----------	----------	1
45	1000.0000	45754386.19	6.20e+06	----------	----------	1
46	2500.0000	1.12e+08	1.41e+07	----------	----------	1
47	5000.0000	2.29e+08	2.46e+07	----------	----------	1
48	7500.0000	3.36e+08	3.52e+07	----------	----------	1

C-50
Component Type : Single Peak Component
Retention Time : 28.082 min
Search Window : 0.00 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Quantitation will be done using response factor = 1.000000e+06

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
40	50.0000	2123383.07	288410.79	----------	----------	1
42	250.0000	12160600.01	1.71e+06	----------	----------	1
43	500.0000	23906750.70	3.34e+06	----------	----------	1
44	750.0000	29329826.90	3.97e+06	----------	----------	1
45	1000.0000	45754386.19	6.20e+06	----------	----------	1
46	2500.0000	1.12e+08	1.41e+07	----------	----------	1
47	5000.0000	2.29e+08	2.46e+07	----------	----------	1
48	7500.0000	3.36e+08	3.52e+07	----------	----------	1

Calibration Replicate Lists
Component : C-10
This component has no calibration levels

Component : C-12
This component has no calibration levels

Component : JP5:10-16
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
538494.93	140974.64	10.0000	--------	--------	10/07/98	05:44:04 PM	275B034P

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4784846.07	1.40167e+006	100.0000	-------	-------	10/07/98	05:44:04 PM	275B035P

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11946555.24	3.47669e+006	250.0000	-------	-------	10/07/98	05:44:05 PM	275B036P

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
24179492.22	7.03419e+006	500.0000	-------	-------	10/07/98	05:44:06 PM	275B037P

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
48996193.04	1.29843e+007	1000.0000	-------	-------	10/07/98	05:44:07 PM	275B038P

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
71015612.02	1.72323e+007	1500.0000	-------	-------	10/07/98	05:44:08 PM	275B039P

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1922810e+008	2.73434e+007	2500.0000	-------	-------	10/07/98	05:44:09 PM	275B040P

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.3648297e+008	2.80769e+007	3000.0000	-------	-------	10/07/98	05:44:09 PM	275B041P

Component : JP7:10-16

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
538494.93	140974.64	10.0000	-------	-------	10/07/98	05:44:04 PM	275B034P

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4784846.07	1.40167e+006	100.0000	-------	-------	10/07/98	05:44:04 PM	275B035P

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11946555.24	3.47669e+006	250.0000	-------	-------	10/07/98	05:44:05 PM	275B036P

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
24179492.22	7.03419e+006	500.0000	-------	-------	10/07/98	05:44:06 PM	275B037P

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
48996193.04	1.29843e+007	1000.0000	-------	-------	10/07/98	05:44:07 PM	275B038P

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
71015612.02	1.72323e+007	1500.0000	———	———	10/07/98	05:44:08 PM	275B039P

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1922810e+008	2.73434e+007	2500.0000	———	———	10/07/98	05:44:09 PM	275B040P

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.3648297e+008	2.80769e+007	3000.0000	———	———	10/07/98	05:44:09 PM	275B041P

Component : KER:10-16

Level : 12

This level has no replicate injections

Level : 13

This level has no replicate injections

Level : 14

This level has no replicate injections

Level : 15

This level has no replicate injections

Level : 16

This level has no replicate injections

Level : 17

This level has no replicate injections

Level : 18

This level has no replicate injections

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.3648297e+008	2.80769e+007	3000.0000	———	———	10/07/98	05:44:09 PM	275B041P

Component : JETA:10-16

Level : 31

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
847347.90	163187.55	10.0000	———	———	06/12/97	05:53:26 PM	162B010.

Level : 32

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3999662.02	940325.13	75.0000	———	———	06/12/97	05:53:29 PM	162B011.

Level : 33

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
7570224.54	1.90429e+006	150.0000	———	———	06/12/97	05:53:31 PM	162B012.

Level : 34

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
14809746.58	3.62487e+006	300.0000	———	———	06/12/97	05:53:33 PM	162B013.

Level : 35

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
36081029.09	8.71753e+006	750.0000	———	———	06/12/97	05:53:35 PM	162B014.

Level : 36

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
72179755.24	1.67570e+007	1500.0000	———	———	06/12/97	05:53:37 PM	162B015.

Level : 37

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.4007350e+008	2.80830e+007	3000.0000	———	———	06/12/97	05:53:39 PM	162B016.

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.3648297e+008	2.80769e+007	3000.0000	———	———	10/07/98	05:44:09 PM	275B041P

Component : C-16

Level : 31

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
847347.90	163187.55	10.0000	———	———	06/12/97	05:53:26 PM	162B010.

Level : 32

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3999662.02	940325.13	75.0000	———	———	06/12/97	05:53:29 PM	162B011.

Level : 33

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
7570224.54	1.90429e+006	150.0000	———	———	06/12/97	05:53:31 PM	162B012.

Level : 34

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
14809746.58	3.62487e+006	300.0000	———	———	06/12/97	05:53:33 PM	162B013.

Level : 35

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
36081029.09	8.71753e+006	750.0000	———	———	06/12/97	05:53:35 PM	162B014.

Level : 36

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
72179755.24	1.67570e+007	1500.0000	———	———	06/12/97	05:53:37 PM	162B015.

Level : 37

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.4007350e+008	2.80830e+007	3000.0000	———	———	06/12/97	05:53:39 PM	162B016.

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.3648297e+008	2.80769e+007	3000.0000	———	———	10/07/98	05:44:09 PM	275B041P

11/18/98 01:52:55 PM Method: G:\GC13\Bteh309.mth

Component : DSL:10-24
Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
631124.79	160723.97	10.0000	———	———	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2711908.21	743513.78	50.0000	———	———	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5585885.48	1.50148e+006	100.0000	———	———	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
13759903.05	3.69739e+006	250.0000	———	———	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
27057797.69	7.56271e+006	500.0000	———	———	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
55725351.93	1.45371e+007	1000.0000	———	———	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.3466869e+008	2.94526e+007	2500.0000	———	———	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.5980634e+008	4.54487e+007	5000.0000	———	———	10/07/98	05:34:24 PM	275B015P

Component : DSL:12-22
Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
493763.64	126618.94	10.0000	———	———	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2189410.97	608757.18	50.0000	———	———	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4551338.72	1.23144e+006	100.0000	———	———	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11378799.36	3.05906e+006	250.0000	———	———	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22440467.73	6.27295e+006	500.0000	———	———	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47352199.60	1.25453e+007	1000.0000	———	———	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1445133e+008	2.50252e+007	2500.0000	———	———	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2033259e+008	3.92305e+007	5000.0000	———	———	10/07/98	05:34:24 PM	275B015P

Component : CYTORSOY:12-22

Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
493763.64	126618.94	10.0000	———	———	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2189410.97	608757.18	50.0000	———	———	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4551338.72	1.23144e+006	100.0000	———	———	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11378799.36	3.05906e+006	250.0000	———	———	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22440467.73	6.27295e+006	500.0000	———	———	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47352199.60	1.25453e+007	1000.0000	———	———	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1445133e+008	2.50252e+007	2500.0000	———	———	10/07/98	05:34:23 PM	275B014P

Level : 27

11/18/98 01:52:55 PM Method: G:\GC13\Bteh309.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2033259e+008	3.92305e+007	5000.0000	-------	-------	10/07/98	05:34:24 PM	275B015P

Component : DSL:12-24
Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
503318.13	130370.75	10.0000	-------	-------	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2219632.49	616269.53	50.0000	-------	-------	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4594512.21	1.24297e+006	100.0000	-------	-------	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11475679.12	3.08016e+006	250.0000	-------	-------	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22618469.07	6.31042e+006	500.0000	-------	-------	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47735577.02	1.26227e+007	1000.0000	-------	-------	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1546781e+008	2.52376e+007	2500.0000	-------	-------	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2221073e+008	3.96520e+007	5000.0000	-------	-------	10/07/98	05:34:24 PM	275B015P

Component : DSL:10-28
Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
639328.20	164483.39	10.0000	-------	-------	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2725177.47	747587.97	50.0000	-------	-------	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5601447.78	1.50618e+006	100.0000	-------	-------	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
13793538.62	3.70681e+006	250.0000	———	———	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
27110289.86	7.57802e+006	500.0000	———	———	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
55861690.78	1.45687e+007	1000.0000	———	———	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.3499552e+008	2.95287e+007	2500.0000	———	———	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.6048454e+008	4.55955e+007	5000.0000	———	———	10/07/98	05:34:24 PM	275B015P

Component : DSL:12-28

Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
511521.53	134130.17	10.0000	———	———	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2232901.75	620343.72	50.0000	———	———	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4610074.50	1.24767e+006	100.0000	———	———	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11509314.69	3.08959e+006	250.0000	———	———	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22670961.23	6.32574e+006	500.0000	———	———	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47871915.87	1.26544e+007	1000.0000	———	———	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1579464e+008	2.53136e+007	2500.0000	———	———	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2288893e+008	3.97989e+007	5000.0000	-------	-------	10/07/98	05:34:24 PM	275B015P

Component : TRIMSOL:12-36

Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
511521.53	134130.17	10.0000	-------	-------	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2232901.75	620343.72	50.0000	-------	-------	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4610074.50	1.24767e+006	100.0000	-------	-------	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11509314.69	3.08959e+006	250.0000	-------	-------	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22670961.23	6.32574e+006	500.0000	-------	-------	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47871915.87	1.26544e+007	1000.0000	-------	-------	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1579464e+008	2.53136e+007	2500.0000	-------	-------	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2288893e+008	3.97989e+007	5000.0000	-------	-------	10/07/98	05:34:24 PM	275B015P

Component : C-22

Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
511521.53	134130.17	10.0000	-------	-------	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2232901.75	620343.72	50.0000	-------	-------	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4610074.50	1.24767e+006	100.0000	———	———	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11509314.69	3.08959e+006	250.0000	———	———	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22670961.23	6.32574e+006	500.0000	———	———	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47871915.87	1.26544e+007	1000.0000	———	———	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1579464e+008	2.53136e+007	2500.0000	———	———	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2288893e+008	3.97989e+007	5000.0000	———	———	10/07/98	05:34:24 PM	275B015P

Component : C-24
Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
511521.53	134130.17	10.0000	———	———	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
232901.75	620343.72	50.0000	———	———	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4610074.50	1.24767e+006	100.0000	———	———	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11509314.69	3.08959e+006	250.0000	———	———	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22670961.23	6.32574e+006	500.0000	———	———	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47871915.87	1.26544e+007	1000.0000	———	———	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1579464e+008	2.53136e+007	2500.0000	———	———	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2288893e+008	3.97989e+007	5000.0000	———	———	10/07/98	05:34:24 PM	275B015P

Component : TRANSOIL:12-50

Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
511521.53	134130.17	10.0000	———	———	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2232901.75	620343.72	50.0000	———	———	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4610074.50	1.24767e+006	100.0000	———	———	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11509314.69	3.08959e+006	250.0000	———	———	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22670961.23	6.32574e+006	500.0000	———	———	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47871915.87	1.26544e+007	1000.0000	———	———	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1579464e+008	2.53136e+007	2500.0000	———	———	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2288893e+008	3.97989e+007	5000.0000	———	———	10/07/98	05:34:24 PM	275B015P

Component : BUNKC:12-50

Level : 20

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
511521.53	134130.17	10.0000	———	———	10/07/98	05:34:18 PM	275B008P

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2232901.75	620343.72	50.0000	———	———	10/07/98	05:34:18 PM	275B009P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4610074.50	1.24767e+006	100.0000	———	———	10/07/98	05:34:19 PM	275B010P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11509314.69	3.08959e+006	250.0000	———	———	10/07/98	05:34:20 PM	275B011P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22670961.23	6.32574e+006	500.0000	———	———	10/07/98	05:34:21 PM	275B012P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
47871915.87	1.26544e+007	1000.0000	———	———	10/07/98	05:34:22 PM	275B013P

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
.1579464e+008	2.53136e+007	2500.0000	———	———	10/07/98	05:34:23 PM	275B014P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2288893e+008	3.97989e+007	5000.0000	———	———	10/07/98	05:34:24 PM	275B015P

Component : MO:20-36
Level : 40

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
276607.20	319529.55	50.0000	———	———	10/07/98	05:39:03 PM	275B018P

Level : 42

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
13045427.02	1.93068e+006	250.0000	———	———	10/07/98	05:39:04 PM	275B019P

Level : 43

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
25910003.77	3.72793e+006	500.0000	———	———	10/07/98	05:39:05 PM	275B020P

Level : 44

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
31517582.40	4.42182e+006	750.0000	———	———	10/07/98	05:39:06 PM	275B021P

Level : 45

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
49287314.37	7.10850e+006	1000.0000	———	———	10/07/98	05:39:07 PM	275B022P

Level : 46

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
.2022839e+008	1.59195e+007	2500.0000	———	———	10/07/98	05:39:07 PM	275B023P

11/18/98 01:52:55 PM Method: G:\GC13\Bteh309.mth

Level : 47

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.4130642e+008	2.75111e+007	5000.0000	-------	-------	10/07/98	05:39:08 PM	275B024P

Level : 48

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3.6122173e+008	4.02708e+007	7500.0000	-------	-------	10/07/98	05:39:09 PM	275B025P

Component : MO:24-36
Level : 40

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1562654.32	211814.69	50.0000	-------	-------	10/07/98	05:39:03 PM	275B018P

Level : 42

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
9167733.44	1.29008e+006	250.0000	-------	-------	10/07/98	05:39:04 PM	275B019P

Level : 43

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
18207540.48	2.55254e+006	500.0000	-------	-------	10/07/98	05:39:05 PM	275B020P

Level : 44

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22149759.63	2.87398e+006	750.0000	-------	-------	10/07/98	05:39:06 PM	275B021P

Level : 45

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
35051380.55	4.65483e+006	1000.0000	-------	-------	10/07/98	05:39:07 PM	275B022P

Level : 46

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
87127893.52	1.09127e+007	2500.0000	-------	-------	10/07/98	05:39:07 PM	275B023P

Level : 47

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.7777826e+008	1.90770e+007	5000.0000	-------	-------	10/07/98	05:39:08 PM	275B024P

Level : 48

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.6649300e+008	2.73566e+007	7500.0000	-------	-------	10/07/98	05:39:09 PM	275B025P

Component : MO:22-50
Level : 40

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2123383.07	288410.79	50.0000	-------	-------	10/07/98	05:39:03 PM	275B018P

Level : 42

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12160600.01	1.71050e+006	250.0000	———	———	10/07/98	05:39:04 PM	275B019P

Level : 43

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
23906750.70	3.33741e+006	500.0000	———	———	10/07/98	05:39:05 PM	275B020P

Level : 44

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
29329826.90	3.97452e+006	750.0000	———	———	10/07/98	05:39:06 PM	275B021P

Level : 45

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
45754386.19	6.20360e+006	1000.0000	———	———	10/07/98	05:39:07 PM	275B022P

Level : 46

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1248243e+008	1.40741e+007	2500.0000	———	———	10/07/98	05:39:07 PM	275B023P

Level : 47

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2886388e+008	2.46486e+007	5000.0000	———	———	10/07/98	05:39:08 PM	275B024P

Level : 48

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3.3594128e+008	3.52104e+007	7500.0000	———	———	10/07/98	05:39:09 PM	275B025P

Component : HYFL:22-50
Level : 40

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2123383.07	288410.79	50.0000	———	———	10/07/98	05:39:03 PM	275B018P

Level : 42

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12160600.01	1.71050e+006	250.0000	———	———	10/07/98	05:39:04 PM	275B019P

Level : 43

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
23906750.70	3.33741e+006	500.0000	———	———	10/07/98	05:39:05 PM	275B020P

Level : 44

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
29329826.90	3.97452e+006	750.0000	———	———	10/07/98	05:39:06 PM	275B021P

Level : 45

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
45754386.19	6.20360e+006	1000.0000	———	———	10/07/98	05:39:07 PM	275B022P

Level : 46

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1248243e+008	1.40741e+007	2500.0000	———	———	10/07/98	05:39:07 PM	275B023P

Level : 47

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2886388e+008	2.46486e+007	5000.0000	———	———	10/07/98	05:39:08 PM	275B024P

Level : 48

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3.3594128e+008	3.52104e+007	7500.0000	———	———	10/07/98	05:39:09 PM	275B025P

Component : C-36
Level : 40

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2123383.07	288410.79	50.0000	———	———	10/07/98	05:39:03 PM	275B018P

Level : 42

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12160600.01	1.71050e+006	250.0000	———	———	10/07/98	05:39:04 PM	275B019P

Level : 43

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
23906750.70	3.33741e+006	500.0000	———	———	10/07/98	05:39:05 PM	275B020P

Level : 44

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
29329826.90	3.97452e+006	750.0000	———	———	10/07/98	05:39:06 PM	275B021P

Level : 45

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
45754386.19	6.20360e+006	1000.0000	———	———	10/07/98	05:39:07 PM	275B022P

Level : 46

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1248243e+008	1.40741e+007	2500.0000	———	———	10/07/98	05:39:07 PM	275B023P

Level : 47

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2886388e+008	2.46486e+007	5000.0000	———	———	10/07/98	05:39:08 PM	275B024P

Level : 48

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3.3594128e+008	3.52104e+007	7500.0000	———	———	10/07/98	05:39:09 PM	275B025P

Component : C-50
Level : 40

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2123383.07	288410.79	50.0000	———	———	10/07/98	05:39:03 PM	275B018P

Level : 42

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12160600.01	1.71050e+006	250.0000	-------	-------	10/07/98	05:39:04 PM	275B019P

Level : 43

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
23906750.70	3.33741e+006	500.0000	-------	-------	10/07/98	05:39:05 PM	275B020P

Level : 44

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
29329826.90	3.97452e+006	750.0000	-------	-------	10/07/98	05:39:06 PM	275B021P

Level : 45

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
45754386.19	6.20360e+006	1000.0000	-------	-------	10/07/98	05:39:07 PM	275B022P

Level : 46

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1.1248243e+008	1.40741e+007	2500.0000	-------	-------	10/07/98	05:39:07 PM	275B023P

Level : 47

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2.2886388e+008	2.46486e+007	5000.0000	-------	-------	10/07/98	05:39:08 PM	275B024P

Level : 48

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3.3594128e+008	3.52104e+007	7500.0000	-------	-------	10/07/98	05:39:09 PM	275B025P

Turbochrom Method File G:\GC13\Bsurr302.mth
Printed by : GC13 on: 11/18/98 01:53:14 PM
Created by : KAH on: 10/29/98 05:42:08 PM
Edited by : BOB on: 10/29/98 05:42:08 PM
Number of Times Edited : 0
Number of Times Calibrated : 32
Description: Hex Surr calibrated on 10/8/98 SEQ. 1002 AND 1008
MO CAL FACTORS ON 10/8/98 SEQ. 1002
OTP CAL 10/8/98 SEQ 1002
HO 1PT 10/15/98 SEQ 1014
BUNKER 1PT 10/29/98 SEQ1026

Instrument Conditions
Capillary GC -
Instrument : GC15/5890SII+/EPC
Column : RTX-1(A&B)
Column Length : 15m./.32ID/.1DF
Carrier Gas : HE
Flow Rate :EPCAB60/A.85/B.85
Split Ratio :18:1/SPLIT FLOW 12
Temperature :50
Injection Temp.: 280
Detector 1 : 340
Detector 2 : 340
Notes : INSTRUMENT PARAMETERS FOR DUAL CHANNEL OPERATION

Instrument Control Method
Instrument Name : HP5890A-GC13
Instrument Type : HP5890A GC with HP7673A Autosampler

Channel Parameters
Data will be collected from both channels
Delay Time : 0.00 min
Run Time : 31.92 min
Sampling Rate : 1.2500 pts/s

	Channel A	Channel B
Signal Source	DetA	DetB
Attenuation	0	0

Autosampler Method
Syringe Capacity : 10 µL
Injection Speed : Normal
Viscosity Delay : 0
Post-injection Solvent Washes (A) : 3
Injection Volume : 3.0 µL
Sample Pumps : 0
Pre-injection Sample Washes : 3
Post-injection Solvent Washes (B) : 3

Carriers Parameters
Carrier A control : Flow - He

Carrier B control : Flow - He

Valve configuration and settings
Valve 1 : PURGE On
Valve 2 : PURGE On

Detector Parameters

	Detector A	Detector B
Detector	FID	FID
Range	0	0
Autozero	OFF	OFF
Polarity		

Heated Zones
Injector A:
Setpoint : 280 °C

Injector B:
Setpoint : 280 °C

Detector A : 340°C
Detector B : 340°C

Oven Program
Cryogenics : Off
Initial Temp : 50°C
Initial Hold : 1.00 min
Ramp 1 : 12.0 0/min to 325°, hold for 8.00 min

Total Run Time : 31.92 min
Maximum Temp : 325°C
Equilibration Time : 3.00 min

Timed Events
There are no timed events in the method

Real Time Plot Parameters

	Pages	Offset (mV)	Scale (mV)
Channel A	1	25.000	100.000
Channel B	1	25.000	100.000

Processing Parameters
Bunch Factor : 1 points
Noise Threshold : 10 μV
Area Threshold : 100.00 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
No baseline timed events

Optional Reports
No report format files given

Optional Report Plot Parameters

Plot Number	1	2	3	4	5
Generate this plot	No	No	No	No	No
Set Plot Limits to Data Limits	Yes	Yes	Yes	Yes	Yes
Start Time					
End Time					
Scale Type	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling
Scale Factor	1.000	1.000	1.000	1.000	1.000
Full Scale					
Offset					

Annotated Replot Parameters
Offset & Scale set to absolute values
Draw baselines
Include timed event annotations
Automatically set plot start and end times to data limits

Plot Offset : 25.000 μV
Plot Scale : 65.000 μV
Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Top of Plot
Component Labels : Actual Time

User Programs
No user programs will be executed

Global Sample Information
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : 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
First peak will be relative retention reference

Component Information
DSL:12-24/OTP
Component Type : Named Group
Group Members
OTPPK
Quantitation will be done using response factor = 46271.760000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

DSL: 12-22/OTP
Component Type : Named Group
Group Members
OTPPK
Quantitation will be done using response factor = 45784.170000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

OTP
Component Type : Named Group
Group Members
OTPPK
Quantitation will be done using response factor = 63308.730000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

DSL:10-24/OTP
Component Type : Named Group
Group Members
OTPPK
Quantitation will be done using response factor = 55489.850000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

OTPPK
Component Type : Single Peak Component
Retention Time : 9.434 min
Search Window : 9.70 s, 3.00 %
Reference Component :
Find largest peak in window
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
4	5.0000	327466.02	181146.43	————	————	1
5	10.0000	641345.78	321597.80	————	————	1
6	25.0000	1614153.19	662397.10	————	————	1
7	50.0000	3344090.63	986687.42	————	————	1
8	100.0000	5546790.75	992921.64	————	————	1

Average Calibration Factor = 63308.725975 (%RSD = 7.12)

DSL:10-28/HXCSOTP
Component Type : Named Group
Group Members
OTPPK
HXCS
Quantitation will be done using response factor = 55725.300000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00	————	————	0
13	0.0001	0.00	0.00	————	————	0
14	0.0001	0.00	0.00	————	————	0
15	0.0001	0.00	0.00	————	————	0
16	0.0001	0.00	0.00	————	————	0
17	0.0001	0.00	0.00	————	————	0
18	0.0001	0.00	0.00	————	————	0

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

DSL:10-28/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS
Quantitation will be done using response factor = 55725.300000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

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Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00			0
13	0.0001	0.00	0.00			0
14	0.0001	0.00	0.00			0
15	0.0001	0.00	0.00			0
16	0.0001	0.00	0.00			0
17	0.0001	0.00	0.00			0
18	0.0001	0.00	0.00			0

T.OIL:12-50/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS
Quantitation will be done using response factor = 1.000000e-11

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00			0
13	0.0001	0.00	0.00			0
14	0.0001	0.00	0.00			0
15	0.0001	0.00	0.00			0
16	0.0001	0.00	0.00			0
17	0.0001	0.00	0.00			0
18	0.0001	0.00	0.00			0

MO:28-50/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS
Quantitation will be done using response factor = 1.000000e-10

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00			0
13	0.0001	0.00	0.00			0
14	0.0001	0.00	0.00			0
15	0.0001	0.00	0.00			0
16	0.0001	0.00	0.00			0
17	0.0001	0.00	0.00			0
18	0.0001	0.00	0.00			0

MO:24-36/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS

Quantitation will be done using response factor = 34357.840000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00			0
13	0.0001	0.00	0.00			0
14	0.0001	0.00	0.00			0
15	0.0001	0.00	0.00			0
16	0.0001	0.00	0.00			0
17	0.0001	0.00	0.00			0
18	0.0001	0.00	0.00			0

MO:20-36/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS
Quantitation will be done using response factor = 48170.020000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00			0
13	0.0001	0.00	0.00			0
14	0.0001	0.00	0.00			0
15	0.0001	0.00	0.00			0
16	0.0001	0.00	0.00			0
17	0.0001	0.00	0.00			0
18	0.0001	0.00	0.00			0

DSL:12-28/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS
Quantitation will be done using response factor = 46507.210000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00	----------	----------	0
13	0.0001	0.00	0.00	----------	----------	0
14	0.0001	0.00	0.00	----------	----------	0
15	0.0001	0.00	0.00	----------	----------	0
16	0.0001	0.00	0.00	----------	----------	0
17	0.0001	0.00	0.00	----------	----------	0
18	0.0001	0.00	0.00	----------	----------	0

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

HEXCOSANE
Component Type : Named Group
Group Members
HXCS
HXCS
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	5.0000	240884.88	124760.67	----------	----------	1
2	10.0000	521343.07	254938.00	----------	----------	1
3	25.0000	1311952.17	485908.10	----------	----------	1
9	50.0000	2671704.46	764728.00	----------	----------	1
10	100.0000	5112138.95	1.01e+06	----------	----------	1
17	0.0001	0.00	0.00	----------	----------	0
18	0.0001	0.00	0.00	----------	----------	0

Average Calibration Factor = 51468.969857 (%RSD = 3.92)

DSL:12-36/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS
Quantitation will be done using response factor = 1.000000e-09

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00	----------	----------	0
13	0.0001	0.00	0.00	----------	----------	0
14	0.0001	0.00	0.00	----------	----------	0
15	0.0001	0.00	0.00	----------	----------	0
16	0.0001	0.00	0.00	----------	----------	0
17	0.0001	0.00	0.00	----------	----------	0
18	0.0001	0.00	0.00	----------	----------	0

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

MO:22-50/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS
Quantitation will be done using response factor = 44917.790000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00	----------	----------	0
13	0.0001	0.00	0.00	----------	----------	0
14	0.0001	0.00	0.00	----------	----------	0
15	0.0001	0.00	0.00	----------	----------	0
16	0.0001	0.00	0.00	----------	----------	0
17	0.0001	0.00	0.00	----------	----------	0
18	0.0001	0.00	0.00	----------	----------	0

HO22-50/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS
Quantitation will be done using response factor = 42655.610000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00	----------	----------	0
13	0.0001	0.00	0.00	----------	----------	0
14	0.0001	0.00	0.00	----------	----------	0
15	0.0001	0.00	0.00	----------	----------	0
16	0.0001	0.00	0.00	----------	----------	0
17	0.0001	0.00	0.00	----------	----------	0
18	0.0001	0.00	0.00	----------	----------	0

BU: 12-50/HXCS
Component Type : Named Group
Group Members
HXCS
HXCS
Quantitation will be done using response factor = 22242.692000

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
12	0.0001	0.00	0.00	----------	----------	0
13	0.0001	0.00	0.00	----------	----------	0
14	0.0001	0.00	0.00	----------	----------	0
15	0.0001	0.00	0.00	----------	----------	0
16	0.0001	0.00	0.00	----------	----------	0
17	0.0001	0.00	0.00	----------	----------	0
18	0.0001	0.00	0.00	----------	----------	0

HXCS
Component Type : Single Peak Component
Retention Time : 16.159 min
Search Window : 5.00 s, 5.00 %
Reference Component :
Find largest peak in window
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 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	5.0000	240884.88	124760.67	----------	----------	1
2	10.0000	521343.07	254938.00	----------	----------	1
3	25.0000	1311952.17	485908.10	----------	----------	1
9	50.0000	2671704.46	764728.00	----------	----------	1
10	100.0000	5112138.95	1.01e+06	----------	----------	1
17	0.0001	0.00	0.00	----------	----------	0
18	0.0001	0.00	0.00	----------	----------	0

Average Calibration Factor = 51468.969857 (%RSD = 3.92)

Calibration Replicate Lists
Component : DSL:12-24/OTP
This component has no calibration levels

Component : DSL: 12-22/OTP
This component has no calibration levels

Component : OTP
This component has no calibration levels

Component : DSL:10-24/OTP
This component has no calibration levels

Component : OTPPK
Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
327466.02	181146.43	5.0000	-------	-------	10/08/98	10:51:52 AM	275B045.

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
641345.78	321597.80	10.0000	-------	-------	10/08/98	10:51:53 AM	275B046.

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1614153.19	662397.10	25.0000	-------	-------	10/08/98	10:51:53 AM	275B047.

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3344090.63	986687.42	50.0000	-------	-------	10/08/98	10:51:54 AM	275B048.

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5546790.75	992921.64	100.0000	-------	-------	10/08/98	10:51:54 AM	275B049.

Component : DSL:10-28/HXCSOTP
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : DSL:10-28/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : T.OIL:12-50/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14

This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : MO:28-50/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : MO:24-36/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : MO:20-36/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15

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This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : DSL:12-28/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : HEXCOSANE
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
40884.88	124760.67	5.0000	-------	-------	10/08/98	06:34:57 PM	281B002.

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
521343.07	254938.00	10.0000	-------	-------	10/08/98	06:34:58 PM	275B052.

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
311952.17	485908.10	25.0000	-------	-------	10/08/98	06:34:58 PM	275B053.

Level : 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2671704.46	764728.00	50.0000	-------	-------	10/08/98	06:34:59 PM	275B054.

Level : 10

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5112138.95	1.00887e+006	100.0000	-------	-------	10/08/98	06:35:00 PM	275B055.

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : DSL:12-36/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : MO:22-50/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : HO22-50/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : BU: 12-50/HXCS
Level : 12

This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component : HXCS
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
240884.88	124760.67	5.0000	-------	-------	10/08/98	06:34:57 PM	281B002.

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
521343.07	254938.00	10.0000	-------	-------	10/08/98	06:34:58 PM	275B052.

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
1311952.17	485908.10	25.0000	-------	-------	10/08/98	06:34:58 PM	275B053.

Level : 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
2671704.46	764728.00	50.0000	-------	-------	10/08/98	06:34:59 PM	275B054.

Level : 10

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5112138.95	1.00887e+006	100.0000	-------	-------	10/08/98	06:35:00 PM	275B055.

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

TOTAL EXTRACTABLE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Lab Name Curtis & Tompkins, Ltd. Lab Code: N/A

Instrument ID: GC13 Channel: B

Init. Calib. Date(s): 5/28/98

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT Mg/L	NOM AMOUNT Mg/L	%D	HEX RECOVERY %
DIESEL	314B001	11/10/98	485.19	500	3	111
DIESEL	314B016	11/11/98	502.83	500	1	113
DIESEL	314B030	11/11/98	510.27	500	2	108
DIESEL	314B046	11/12/98	502.35	500	0	110

QC LIMITS: %D of amounts must be less than or equal to 15%

C=10-24

TOTAL EXTRACTABLE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Lab Name Curtis & Tompkins, Ltd. Lab Code: N/A

Instrument ID: GC 13 Channel: B

Init. Calib. Date(s): ~~3/18/98~~ 10/7/98

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT Mg/L	NOM AMOUNT Mg/L	%D	HEX RECOVERY %
DIESEL	316b001	11/12/98	500.6	500	0	96
DIESEL	316b016	11/12/98	475.54	500	5	105
DIESEL	316b029	11/13/98	482.52	500	3	95

QC LIMITS: %D of amounts must be less than or equal to 15%

c=10-24

TOTAL EXTRACTABLE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Lab Name Curtis & Tompkins, Ltd. Lab Code: N/A

Instrument ID: GC13 Channel: B

Init. Calib. Date(s): 10/7/98

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT Mg/L	NOM AMOUNT Mg/L	%D	HEX RECOVERY %
DIESEL	320B002	11/16/98	494.41	500	1	104
DIESEL	320B018	11/16/98	491.82	500	2	105
DIESEL	320B031	11/17/98	483.68	500	3	111
DIESEL	320B047	11/17/98	475.41	500	5	111
DIESEL	320B061	11/17/98	507.72	500	2	112
DIESEL	320B074	11/18/98	508.76	500	2	111

QC LIMITS: %D of amounts must be less than or equal to 15%

C10-24

TOTAL EXTRACTABLE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Lab Name: Curtis & Tompkins, Ltd. Lab Code: N/A

Instrument ID: GC13 Channel: B

Init. Calib. Date(s): 10/7/98

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT Mg/L	NOM AMOUNT Mg/L	%D	HEX RECOVERY %
MOTOR OIL	320B005	11/16/98	432.95	500	13	105
MOTOR OIL	320B020	11/16/08	415.46	500	17	100
MOTOR OIL	320B034	11/17/98	438.5	500	12	104
MOTOR OIL	320B049	11/17/98	453.61	500	9	107
MOTOR OIL	320B063	11/18/98	458.54	500	8	115
MOTOR OIL	320B077	11/18/08	429.63	500	14	108

QC LIMITS: %D of amounts must be less than or equal to 15%

CARBON RANGE:C24-36

TOTAL EXTRACTABLE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Lab Name: Curtis & Tompkins, Ltd. Lab Code: N/A

Instrument ID: GC13 Channel: B

Init. Calib. Date(s): 10/7/98

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT Mg/L	NOM AMOUNT Mg/L	%D	HEX RECOVERY %
MOTOR OIL	314b004	11/10/98	431.89	500	14	109
MOTOR OIL	314b019	11/11/98	537.02	500	7	105
MOTOR OIL	314b033	11/11/98	543.67	500	9	106
MOTOR OIL	314b048	11/12/98	542.52	500	9	110

QC LIMITS: %D of amounts must be less than or equal to 15%

C=22-50

TOTAL EXTRACTABLE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Lab Name: Curtis & Tompkins, Ltd. Lab Code: N/A

Instrument ID: GC13 Channel: B

Init. Calib. Date(s): ~~4/22/98~~ 10/7/98

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT Mg/L	NOM AMOUNT Mg/L	%D	HEX RECOVERY %
MOTOR OIL	316b004	11/12/98	537.11	500	7	104
MOTOR OIL	316b019	11/12/98	570.78	500	14	107
MOTOR OIL	316b032	11/13/98	544.3	500	9	103

QC LIMITS: %D of amounts must be less than or equal to 15%
CARBON RANGE C22-50

TOTAL EXTRACTABLE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Lab Name: Curtis & Tompkins, Ltd. Lab Code: N/A

Instrument ID: GC13 Channel: B

Init. Calib. Date(s): 10/7/98

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT Mg/L	NOM AMOUNT Mg/L	%D	HEX RECOVERY %
MOTOR OIL	320B005	11/16/98	428.09	500	14	105
MOTOR OIL	320B020	11/16/08	442.88	500	11	100
MOTOR OIL	320B034	11/17/98	465.39	500	7	104
MOTOR OIL	320B049	11/17/98	458.35	500	8	107
MOTOR OIL	320B063	11/18/98	485.23	500	3	115
MOTOR OIL	320B077	11/18/08	453.28	500	9	108

QC LIMITS: %D of amounts must be less than or equal to 15%

CARBON RANGE:C22-50

Turbochrom Sequence File : C:\GC13\1110.SEQ
Created by : dc on : 11/10/98 05:50 PM
Edited by : GABE on : 11/11/98 05:58 PM
Description :

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 80
Instrument Type : HP 5890A GC with HP 7673 Autosampler
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	CCV,98WS6587,je	250mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	CCV,98WS6334,.m	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	ib	314b	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	mb,qc84085,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
7	Sample	136445-002,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
8	Sample	136445-003,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
9	Sample	136445-004,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
10	Sample	136445-005,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
11	Sample	136445-006,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
12	Sample	136445-007,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
13	Sample	136406-001,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
14	Sample	136406-002,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
15	Sample	136358-004,4450	44501	s	1.000	1.000	1.000	1.000	4.900	1.000	0.000	100.000
16	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	CCV,98WS6587,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	CCV,98WS6334,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	BS,QC82823,4415	44156	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
21	Sample	BSD,QC82824,441	44156	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
22	Sample	BS,QC84086,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
23	Sample	BSD,QC84087,445	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
24	Sample	PB,QC84124,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
25	Sample	136358-005,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
26	Sample	136417-001,4450	44501	s	1.000	1.000	1.000	1.000	4.800	1.000	0.000	100.000
27	Sample	136417-002,4450	44501	s	1.000	1.000	1.000	1.000	4.800	1.000	0.000	100.000
28	Sample	136504-001,4455	44557	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
29	Sample	136445-003,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
30	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	CCV,98WS6587,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	CCV,98WS6334,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	136361-003,4450	44501	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	136361-001,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
36	Sample	136361-002,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
37	Sample	IB	314B	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	MB,QC84297,4455	44557	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
39	Sample	BS,QC84298,4455	44557	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
40	Sample	BSD,QC84299,445	44557	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
41	Sample	PB,QC84300,4455	44557	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
42	Sample	136178-011,4455	44557	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
43	Sample	136385-002,4455	44557	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
44	Sample	136458-001,4455	44557	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
45	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample	CCV,98WS6587,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	CCV,98WS6334,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
61	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

62	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
65	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
66	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
67	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
68	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
69	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
77	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
80	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	B	-	1	SNGLB30	BSURR302	BSURR302	BSUR	314B001	314B001		225B001	-	-	-	DEFAULT
2	B	-	2	SNGLB30	BSURR302	BSURR302	BSUR	314B002	314B002		225B001	-	-	-	DEFAULT
3	B	-	3	SNGLB30	BSURR302	BSURR302	BSUR	314B003	314B003		225B002	-	-	-	DEFAULT
4	B	-	4	SNGLB30	BSURR302	BSURR302	BSUR	314B004	314B004		225B003	-	-	-	DEFAULT
5	B	-	5	SNGLB30	BSURR302	BSURR302	BSUR	314B005	314B005		225B004	-	-	-	DEFAULT
6	B	-	6	SNGLB30	BSURR302	BSURR302	BSUR	314B006	314B006		225B005	-	-	-	DEFAULT
7	B	-	7	SNGLB30	BSURR302	BSURR302	BSUR	314B007	314B007		225B006	-	-	-	DEFAULT
8	B	-	8	SNGLB30	BSURR302	BSURR302	BSUR	314B008	314B008		225B006	-	-	-	DEFAULT
9	B	-	9	SNGLB30	BSURR302	BSURR302	BSUR	314B009	314B009		225B007	-	-	-	DEFAULT
10	B	-	10	SNGLB30	BSURR302	BSURR302	BSUR	314B010	314B010		225B008	-	-	-	DEFAULT
11	B	-	11	SNGLB30	BSURR302	BSURR302	BSUR	314B011	314B011		225B009	-	-	-	DEFAULT
12	B	-	12	SNGLB30	BSURR302	BSURR302	BSUR	314B012	314B012		225B010	-	-	-	DEFAULT
13	B	-	13	SNGLB30	BSURR302	BSURR302	BSUR	314B013	314B013		225B011	-	-	-	DEFAULT
14	B	-	14	SNGLB30	BSURR302	BSURR302	BSUR	314B014	314B014		225B012	-	-	-	DEFAULT
15	B	-	15	SNGLB30	BSURR302	BSURR302	BSUR	314B015	314B015		225B013	-	-	-	DEFAULT
16	B	-	16	SNGLB30	BSURR302	BSURR302	BSUR	314B016	314B016		225B014	-	-	-	DEFAULT
17	B	-	17	SNGLB30	BSURR302	BSURR302	BSUR	314B017	314B017		225B002	-	-	-	DEFAULT
18	B	-	18	SNGLB30	BSURR302	BSURR302	BSUR	314B018	314B018		225B003	-	-	-	DEFAULT
19	B	-	19	SNGLB30	BSURR302	BSURR302	BSUR	314B019	314B019		225B004	-	-	-	DEFAULT
20	B	-	20	SNGLB30	BSURR302	BSURR302	BSUR	314B020	314B020		225B015	-	-	-	DEFAULT
21	B	-	21	SNGLB30	BSURR302	BSURR302	BSUR	314B021	314B021		225B002	-	-	-	DEFAULT
22	B	-	22	SNGLB30	BSURR302	BSURR302	BSUR	314B022	314B022		225B002	-	-	-	DEFAULT
23	B	-	23	SNGLB30	BSURR302	BSURR302	BSUR	314B023	314B023		225B003	-	-	-	DEFAULT
24	B	-	24	SNGLB30	BSURR302	BSURR302	BSUR	314B024	314B024		225B004	-	-	-	DEFAULT
25	B	-	25	SNGLB30	BSURR302	BSURR302	BSUR	314B025	314B025		225B005	-	-	-	DEFAULT
26	B	-	26	SNGLB30	BSURR302	BSURR302	BSUR	314B026	314B026		225B006	-	-	-	DEFAULT
27	B	-	27	SNGLB30	BSURR302	BSURR302	BSUR	314B027	314B027		225B003	-	-	-	DEFAULT
28	B	-	28	SNGLB30	BSURR302	BSURR302	BSUR	314B028	314B028		225B004	-	-	-	DEFAULT
29	B	-	29	SNGLB30	BSURR302	BSURR302	BSUR	314B029	314B029		225B005	-	-	-	DEFAULT
30	B	-	30	SNGLB30	BSURR302	BSURR302	BSUR	314B030	314B030		225B002	-	-	-	DEFAULT
31	B	-	31	SNGLB30	BSURR302	BSURR302	BSUR	314B031	314B031		225B003	-	-	-	DEFAULT
32	B	-	32	SNGLB30	BSURR302	BSURR302	BSUR	314B032	314B032		225B004	-	-	-	DEFAULT
33	B	-	33	SNGLB30	BSURR302	BSURR302	BSUR	314B033	314B033		225B004	-	-	-	DEFAULT
34	B	-	34	SNGLB30	BSURR302	BSURR302	BSUR	314B034	314B034		225B004	-	-	-	DEFAULT
35	B	-	35	SNGLB30	BSURR302	BSURR302	BSUR	314B035	314B035		225B004	-	-	-	DEFAULT
36	B	-	36	SNGLB30	BSURR302	BSURR302	BSUR	314B036	314B036		225B005	-	-	-	DEFAULT
37	B	-	37	SNGLB30	BSURR302	BSURR302	BSUR	314B037	314B037		225B016	-	-	-	DEFAULT
38	B	-	38	SNGLB30	BSURR302	BSURR302	BSUR	314B038	314B038		225B017	-	-	-	DEFAULT
39	B	-	39	SNGLB30	BSURR302	BSURR302	BSUR	314B039	314B039		225B018	-	-	-	DEFAULT
40	B	-	40	SNGLB30	BSURR302	BSURR302	BSUR	314B040	314B040		225B019	-	-	-	DEFAULT
41	B	-	41	SNGLB30	BSURR302	BSURR302	BSUR	314B041	314B041		225B020	-	-	-	DEFAULT
42	B	-	42	SNGLB30	BSURR302	BSURR302	BSUR	314B042	314B042		225B021	-	-	-	DEFAULT
43	B	-	43	SNGLB30	BSURR302	BSURR302	BSUR	314B043	314B043		225B022	-	-	-	DEFAULT
44	B	-	44	SNGLB30	BSURR302	BSURR302	BSUR	314B044	314B044		225B023	-	-	-	DEFAULT
45	B	-	45	SNGLB30	BSURR302	BSURR302	BSUR	314B045	314B045		225B024	-	-	-	DEFAULT
46	B	-	46	SNGLB30	BSURR302	BSURR302	BSUR	314B046	314B046		225B025	-	-	-	DEFAULT
47	B	-	47	SNGLB30	BSURR302	BSURR302	BSUR	314B047	314B047		225B002	-	-	-	DEFAULT
48	B	-	48	SNGLB30	BSURR302	BSURR302	BSUR	314B048	314B048		225B003	-	-	-	DEFAULT
49	B	-	49	SNGLB30	BSURR302	BSURR302	BSUR	314B049	314B049		225B004	-	-	-	DEFAULT
50	B	-	50	SNGLB30	BSURR302	BSURR302	BSUR	314B050	314B050		225B004	-	-	-	DEFAULT
51	B	-	51	SNGLB30	BSURR302	BSURR302	BSUR	314B051	314B051		225B026	-	-	-	DEFAULT
52	B	-	52	SNGLB30	BSURR302	BSURR302	BSUR	314B052	314B052		225B027	-	-	-	DEFAULT
53	B	-	53	SNGLB30	BSURR302	BSURR302	BSUR	314B053	314B053		225B028	-	-	-	DEFAULT
54	B	-	54	SNGLB30	BSURR302	BSURR302	BSUR	314B054	314B054		225B029	-	-	-	DEFAULT
55	B	-	55	SNGLB30	BSURR302	BSURR302	BSUR	314B055	314B055		225B030	-	-	-	DEFAULT
56	B	-	56	SNGLB30	BSURR302	BSURR302	BSUR	314B056	314B056		225B031	-	-	-	DEFAULT
57	B	-	57	SNGLB30	BSURR302	BSURR302	BSUR	314B057	314B057		225B032	-	-	-	DEFAULT
58	B	-	58	SNGLB30	BSURR302	BSURR302	BSUR	314B058	314B058		225B033	-	-	-	DEFAULT
59	B	-	59	SNGLB30	BSURR302	BSURR302	BSUR	314B059	314B059		225B034	-	-	-	DEFAULT
60	B	-	60	SNGLB30	BSURR302	BSURR302	BSUR	314B060	314B060		225B035	-	-	-	DEFAULT
61	B	-	61	SNGLB30	BSURR302	BSURR302	BSUR	314B061	314B061		225B036	-	-	-	DEFAULT

[redacted]	B	-	62	SNGLB30	BSURR302	BSURR302	BSUR	314B062	314B062	225B037	-	-	-	DEFAULT
[redacted]	B	-	63	SNGLB30	BSURR302	BSURR302	BSUR	314B063	314B063	225B038	-	-	-	DEFAULT
[redacted]	B	-	64	SNGLB30	BSURR302	BSURR302	BSUR	314B064	314B064	225B039	-	-	-	DEFAULT
65	B	-	65	SNGLB30	BSURR302	BSURR302	BSUR	314B065	314B065	225B040	-	-	-	DEFAULT
66	B	-	66	SNGLB30	BSURR302	BSURR302	BSUR	314B066	314B066	225B041	-	-	-	DEFAULT
[redacted]	B	-	67	SNGLB30	BSURR302	BSURR302	BSUR	314B067	314B067	225B042	-	-	-	DEFAULT
[redacted]	B	-	68	SNGLB30	BSURR302	BSURR302	BSUR	314B068	314B068	225B043	-	-	-	DEFAULT
[redacted]	B	-	69	SNGLB30	BSURR302	BSURR302	BSUR	314B069	314B069	225B044	-	-	-	DEFAULT
70	B	-	70	SNGLB30	BSURR302	BSURR302	BSUR	314B070	314B070	225B045	-	-	-	DEFAULT
[redacted]	B	-	71	SNGLB30	BSURR302	BSURR302	BSUR	314B071	314B071	225B046	-	-	-	DEFAULT
[redacted]	B	-	72	SNGLB30	BSURR302	BSURR302	BSUR	314B072	314B072	225B047	-	-	-	DEFAULT
[redacted]	B	-	73	SNGLB30	BSURR302	BSURR302	BSUR	314B073	314B073	225B048	-	-	-	DEFAULT
74	B	-	74	SNGLB30	BSURR302	BSURR302	BSUR	314B074	314B074	225B049	-	-	-	DEFAULT
75	B	-	75	SNGLB30	BSURR302	BSURR302	BSUR	314B075	314B075	225B050	-	-	-	DEFAULT
[redacted]	B	-	76	SNGLB30	BSURR302	BSURR302	BSUR	314B076	314B076	225B051	-	-	-	DEFAULT
[redacted]	B	-	77	SNGLB30	BSURR302	BSURR302	BSUR	314B077	314B077	225B052	-	-	-	DEFAULT
[redacted]	B	-	78	SNGLB30	BSURR302	BSURR302	BSUR	314B078	314B078	225B053	-	-	-	DEFAULT
79	B	-	79	SNGLB30	BSURR302	BSURR302	BSUR	314B079	314B079	225B054	-	-	-	DEFAULT
80	B	-	80	SNGLB30	BSURR302	BSURR302	BSUR	314B080	314B080	225B055	-	-	-	DEFAULT

Turbochrom Sequence File : G:\GC13\1112.SEQ
Created by : dc on : 11/12/98 05:06 AM
Edited by : GP on : 11/12/98 05:06 AM
Description :

Number of Times Edited : 0

Sequence File Header Information:

Number of Rows : 76
Instrument Type : HP 5890A GC with HP 7673 Autosampler
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	ccv,98ws6587,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	ccv,98ws6334,MO	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	IB	316B	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	MB,QC83926,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	136349-001,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	136349-002,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	136349-003,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	136349-004,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	136350-001,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	136364-001,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	136364-002,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	136364-003,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	136364-004,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	CCV,98WS6587,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	CCV,98WS6334,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	LCS,QC83927,444	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	MS,QC83928,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	MSD,QC83929,444	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	BS,QC84086,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
24	Sample	BSD,QC84087,445	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
25	Sample	136445-003,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
26	Sample	136364-005,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	136364-006,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	136364-007,4445	44459	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	CCV,98WS6587,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	CCV,98WS6334,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample			s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

60	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
61	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
65	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
66	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
67	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
68	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
69	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample		s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel B

R	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	B	-	1	SNGLB30	BSURR302	BSURR302	BSUR	316B001	316B001		225B001	-	-	-	DEFAULT
2	B	-	2	SNGLB30	BSURR302	BSURR302	BSUR	316B002	316B002		225B002	-	-	-	DEFAULT
3	B	-	3	SNGLB30	BSURR302	BSURR302	BSUR	316B003	316B003		225B003	-	-	-	DEFAULT
4	B	-	4	SNGLB30	BSURR302	BSURR302	BSUR	316B004	316B004		225B004	-	-	-	DEFAULT
5	B	-	5	SNGLB30	BSURR302	BSURR302	BSUR	316B005	316B005		225B005	-	-	-	DEFAULT
6	B	-	6	SNGLB30	BSURR302	BSURR302	BSUR	316B006	316B006		225B006	-	-	-	DEFAULT
7	B	-	7	SNGLB30	BSURR302	BSURR302	BSUR	316B007	316B007		225B006	-	-	-	DEFAULT
8	B	-	8	SNGLB30	BSURR302	BSURR302	BSUR	316B008	316B008		225B007	-	-	-	DEFAULT
9	B	-	9	SNGLB30	BSURR302	BSURR302	BSUR	316B009	316B009		225B008	-	-	-	DEFAULT
10	B	-	10	SNGLB30	BSURR302	BSURR302	BSUR	316B010	316B010		225B009	-	-	-	DEFAULT
11	B	-	11	SNGLB30	BSURR302	BSURR302	BSUR	316B011	316B011		225B010	-	-	-	DEFAULT
12	B	-	12	SNGLB30	BSURR302	BSURR302	BSUR	316B012	316B012		225B011	-	-	-	DEFAULT
13	B	-	13	SNGLB30	BSURR302	BSURR302	BSUR	316B013	316B013		225B012	-	-	-	DEFAULT
14	B	-	14	SNGLB30	BSURR302	BSURR302	BSUR	316B014	316B014		225B013	-	-	-	DEFAULT
15	B	-	15	SNGLB30	BSURR302	BSURR302	BSUR	316B015	316B015		225B014	-	-	-	DEFAULT
16	B	-	16	SNGLB30	BSURR302	BSURR302	BSUR	316B016	316B016		225B002	-	-	-	DEFAULT
17	B	-	17	SNGLB30	BSURR302	BSURR302	BSUR	316B017	316B017		225B003	-	-	-	DEFAULT
18	B	-	18	SNGLB30	BSURR302	BSURR302	BSUR	316B018	316B018		225B004	-	-	-	DEFAULT
19	B	-	19	SNGLB30	BSURR302	BSURR302	BSUR	316B019	316B019		225B015	-	-	-	DEFAULT
20	B	-	20	SNGLB30	BSURR302	BSURR302	BSUR	316B020	316B020		225B002	-	-	-	DEFAULT
21	B	-	21	SNGLB30	BSURR302	BSURR302	BSUR	316B021	316B021		225B002	-	-	-	DEFAULT
22	B	-	22	SNGLB30	BSURR302	BSURR302	BSUR	316B022	316B022		225B003	-	-	-	DEFAULT
23	B	-	23	SNGLB30	BSURR302	BSURR302	BSUR	316B023	316B023		225B004	-	-	-	DEFAULT
24	B	-	24	SNGLB30	BSURR302	BSURR302	BSUR	316B024	316B024		225B005	-	-	-	DEFAULT
25	B	-	25	SNGLB30	BSURR302	BSURR302	BSUR	316B025	316B025		225B006	-	-	-	DEFAULT
26	B	-	26	SNGLB30	BSURR302	BSURR302	BSUR	316B026	316B026		225B003	-	-	-	DEFAULT
27	B	-	27	SNGLB30	BSURR302	BSURR302	BSUR	316B027	316B027		225B004	-	-	-	DEFAULT
28	B	-	28	SNGLB30	BSURR302	BSURR302	BSUR	316B028	316B028		225B005	-	-	-	DEFAULT
29	B	-	29	SNGLB30	BSURR302	BSURR302	BSUR	316B029	316B029		225B002	-	-	-	DEFAULT
30	B	-	30	SNGLB30	BSURR302	BSURR302	BSUR	316B030	316B030		225B003	-	-	-	DEFAULT
31	B	-	31	SNGLB30	BSURR302	BSURR302	BSUR	316B031	316B031		225B004	-	-	-	DEFAULT
32	B	-	32	SNGLB30	BSURR302	BSURR302	BSUR	316B032	316B032		225B004	-	-	-	DEFAULT
33	B	-	33	SNGLB30	BSURR302	BSURR302	BSUR	316B033	316B033		225B016	-	-	-	DEFAULT
34	B	-	34	SNGLB30	BSURR302	BSURR302	BSUR	316B034	316B034		225B017	-	-	-	DEFAULT
35	B	-	35	SNGLB30	BSURR302	BSURR302	BSUR	316B035	316B035		225B018	-	-	-	DEFAULT
36	B	-	36	SNGLB30	BSURR302	BSURR302	BSUR	316B036	316B036		225B019	-	-	-	DEFAULT
37	B	-	37	SNGLB30	BSURR302	BSURR302	BSUR	316B037	316B037		225B020	-	-	-	DEFAULT
38	B	-	38	SNGLB30	BSURR302	BSURR302	BSUR	316B038	316B038		225B021	-	-	-	DEFAULT
39	B	-	39	SNGLB30	BSURR302	BSURR302	BSUR	316B039	316B039		225B022	-	-	-	DEFAULT
40	B	-	40	SNGLB30	BSURR302	BSURR302	BSUR	316B040	316B040		225B023	-	-	-	DEFAULT
41	B	-	41	SNGLB30	BSURR302	BSURR302	BSUR	316B041	316B041		225B024	-	-	-	DEFAULT
42	B	-	42	SNGLB30	BSURR302	BSURR302	BSUR	316B042	316B042		225B025	-	-	-	DEFAULT
43	B	-	43	SNGLB30	BSURR302	BSURR302	BSUR	316B043	316B043		225B002	-	-	-	DEFAULT
44	B	-	44	SNGLB30	BSURR302	BSURR302	BSUR	316B044	316B044		225B003	-	-	-	DEFAULT
45	B	-	45	SNGLB30	BSURR302	BSURR302	BSUR	316B045	316B045		225B004	-	-	-	DEFAULT
46	B	-	46	SNGLB30	BSURR302	BSURR302	BSUR	316B046	316B046		225B004	-	-	-	DEFAULT
47	B	-	47	SNGLB30	BSURR302	BSURR302	BSUR	316B047	316B047		225B026	-	-	-	DEFAULT
48	B	-	48	SNGLB30	BSURR302	BSURR302	BSUR	316B048	316B048		225B027	-	-	-	DEFAULT
49	B	-	49	SNGLB30	BSURR302	BSURR302	BSUR	316B049	316B049		225B028	-	-	-	DEFAULT
50	B	-	50	SNGLB30	BSURR302	BSURR302	BSUR	316B050	316B050		225B029	-	-	-	DEFAULT
51	B	-	51	SNGLB30	BSURR302	BSURR302	BSUR	316B051	316B051		225B030	-	-	-	DEFAULT
52	B	-	52	SNGLB30	BSURR302	BSURR302	BSUR	316B052	316B052		225B031	-	-	-	DEFAULT
53	B	-	53	SNGLB30	BSURR302	BSURR302	BSUR	316B053	316B053		225B032	-	-	-	DEFAULT
54	B	-	54	SNGLB30	BSURR302	BSURR302	BSUR	316B054	316B054		225B033	-	-	-	DEFAULT
55	B	-	55	SNGLB30	BSURR302	BSURR302	BSUR	316B055	316B055		225B034	-	-	-	DEFAULT
56	B	-	56	SNGLB30	BSURR302	BSURR302	BSUR	316B056	316B056		225B035	-	-	-	DEFAULT
57	B	-	57	SNGLB30	BSURR302	BSURR302	BSUR	316B057	316B057		225B036	-	-	-	DEFAULT
58	B	-	58	SNGLB30	BSURR302	BSURR302	BSUR	316B058	316B058		225B037	-	-	-	DEFAULT
59	B	-	59	SNGLB30	BSURR302	BSURR302	BSUR	316B059	316B059		225B038	-	-	-	DEFAULT
60	B	-	60	SNGLB30	BSURR302	BSURR302	BSUR	316B060	316B060		225B039	-	-	-	DEFAULT
61	B	-	61	SNGLB30	BSURR302	BSURR302	BSUR	316B061	316B061		225B040	-	-	-	DEFAULT

62	B	-	62	SNGLB30	BSURR302	BSURR302	BSUR	316B062	316B062	225B041	-	-	-	DEFAULT
63	B	-	63	SNGLB30	BSURR302	BSURR302	BSUR	316B063	316B063	225B042	-	-	-	DEFAULT
64	B	-	64	SNGLB30	BSURR302	BSURR302	BSUR	316B064	316B064	225B043	-	-	-	DEFAULT
65	B	-	65	SNGLB30	BSURR302	BSURR302	BSUR	316B065	316B065	225B044	-	-	-	DEFAULT
66	B	-	66	SNGLB30	BSURR302	BSURR302	BSUR	316B066	316B066	225B045	-	-	-	DEFAULT
67	B	-	67	SNGLB30	BSURR302	BSURR302	BSUR	316B067	316B067	225B046	-	-	-	DEFAULT
68	B	-	68	SNGLB30	BSURR302	BSURR302	BSUR	316B068	316B068	225B047	-	-	-	DEFAULT
69	B	-	69	SNGLB30	BSURR302	BSURR302	BSUR	316B069	316B069	225B048	-	-	-	DEFAULT
70	B	-	70	SNGLB30	BSURR302	BSURR302	BSUR	316B070	316B070	225B049	-	-	-	DEFAULT
71	B	-	71	SNGLB30	BSURR302	BSURR302	BSUR	316B071	316B071	225B050	-	-	-	DEFAULT
72	B	-	72	SNGLB30	BSURR302	BSURR302	BSUR	316B072	316B072	225B051	-	-	-	DEFAULT
73	B	-	73	SNGLB30	BSURR302	BSURR302	BSUR	316B073	316B073	225B052	-	-	-	DEFAULT
74	B	-	74	SNGLB30	BSURR302	BSURR302	BSUR	316B074	316B074	225B053	-	-	-	DEFAULT
75	B	-	75	SNGLB30	BSURR302	BSURR302	BSUR	316B075	316B075	225B054	-	-	-	DEFAULT
76	B	-	76	SNGLB30	BSURR302	BSURR302	BSUR	316B076	316B076	225B055	-	-	-	DEFAULT

Turbochrom Sequence File : G:\GC13\1116.SEQ
Created by : dc on : 11/15/98 07:35 PM
Edited by : MKF on : 11/18/98 05:01 AM
Description :

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 96
Instrument Type : HP 5890A GC with HP 7673 Autosampler
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	1b	320b	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	ccv,98ws6587,je	250mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	ccv,98ws6334,mo	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	1b	320b	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	mb,qc84254,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	136406-003,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	136406-004,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	136406-005,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	136406-006,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	136406-007,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	136406-008,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	136406-009,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	136406-010,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	136406-011,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	ccv,98ws6587,je	250mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	ccv,98ws6334,mo	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	136462-003,4457	44574	s	1.000	1.000	1.000	2.000	0.100	1.000	0.000	100.000
22	Sample	136451-001,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	136451-002,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	136451-003,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	136451-004,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	136338-001,4445	44457	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
27	Sample	136338-002,4445	44457	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
28	Sample	136338-003,4445	44457	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
29	Sample	136338-004,4445	44457	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
30	Sample	136338-005,4445	44457	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
31	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	ccv,98ws6585,ds	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	ccv,98ws6587,je	250mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	ccv,98ws6334,mo	500mg/l	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	lcs,qc84255,445	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	ms,qc84256,4454	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	msd,qc84257,445	44546	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	136338-006,4445	44457	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
39	Sample	136339-001,4445	44457	s	1.000	1.000	1.000	2.000	0.100	1.000	0.000	100.000
40	Sample	136339-002,4445	44457	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
41	Sample	136339-003,4445	44457	s	1.000	1.000	1.000	2.000	0.100	1.000	0.000	100.000
42	Sample	136339-004,4445	44457	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
43	Sample	136339-005,4445	44457	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
44	Sample	1b	320b	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	MB,QC84596,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
46	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample	CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	CCV,98WS6587,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample	CCV,98WS6334,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	BS,QC84086,4450	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
51	Sample	BSD,QC84087,445	44501	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
52	Sample	136312-003,4447	44473	s	1.000	1.000	1.000	20.000	4.800	1.000	0.000	100.000
53	Sample	136524-001,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
54	Sample	136529-001,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
55	Sample	136529-004,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
56	Sample	136529-005,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
57	Sample	136529-006,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
58	Sample	136529-009,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
59	Sample	136536-001,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000

60	Sample		CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
61	Sample		CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample		CCV,98WS6587,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample		CCV,98WS6334,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample		BS,QC84597,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
65	Sample		BSD,QC84598,446	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
66	Sample		136578-002,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
67	Sample		136578-004,4463	44639	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
68	Sample		136406-005,4454	44546	s	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
69	Sample		136529-001,4463	44639	s	1.000	1.000	1.000	40.000	5.000	1.000	0.000	100.000
70	Sample		136339-001,4445	44457	s	1.000	1.000	1.000	100.000	0.100	1.000	0.000	100.000
71	Sample		136339-002,4445	44457	s	1.000	1.000	1.000	2.000	0.100	1.000	0.000	100.000
72	Sample		136339-003,4445	44457	s	1.000	1.000	1.000	100.000	0.100	1.000	0.000	100.000
73	Sample		136339-005,4445	44457	s	1.000	1.000	1.000	100.000	0.100	1.000	0.000	100.000
74	Sample		CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample		CCV,98WS6585,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample		CCV,98WS6587,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
77	Sample		CCV,98WS6334,MO	500MG/L		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
80	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
81	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
82	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
83	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
85	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
87	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
88	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
89	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
90	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
91	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
92	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
93	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
95	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
96	Sample					1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	B	-	1	SNGLB30	BSURR302	BSURR302	BSUR	320B001	320B001		225B001	-	-	-	DEFAULT
2	B	-	2	SNGLB30	BSURR302	BSURR302	BSUR	320B002	320B002		225B002	-	-	-	DEFAULT
3	B	-	3	SNGLB30	BSURR302	BSURR302	BSUR	320B003	320B003		225B003	-	-	-	DEFAULT
4	B	-	4	SNGLB30	BSURR302	BSURR302	BSUR	320B004	320B004		225B004	-	-	-	DEFAULT
5	B	-	5	SNGLB30	BSURR302	BSURR302	BSUR	320B005	320B005		225B005	-	-	-	DEFAULT
6	B	-	6	SNGLB30	BSURR302	BSURR302	BSUR	320B006	320B006		225B006	-	-	-	DEFAULT
7	B	-	7	SNGLB30	BSURR302	BSURR302	BSUR	320B007	320B007		225B006	-	-	-	DEFAULT
8	B	-	8	SNGLB30	BSURR302	BSURR302	BSUR	320B008	320B008		225B007	-	-	-	DEFAULT
9	B	-	9	SNGLB30	BSURR302	BSURR302	BSUR	320B009	320B009		225B008	-	-	-	DEFAULT
10	B	-	10	SNGLB30	BSURR302	BSURR302	BSUR	320B010	320B010		225B009	-	-	-	DEFAULT
11	B	-	11	SNGLB30	BSURR302	BSURR302	BSUR	320B011	320B011		225B010	-	-	-	DEFAULT
12	B	-	12	SNGLB30	BSURR302	BSURR302	BSUR	320B012	320B012		225B011	-	-	-	DEFAULT
13	B	-	13	SNGLB30	BSURR302	BSURR302	BSUR	320B013	320B013		225B012	-	-	-	DEFAULT
14	B	-	14	SNGLB30	BSURR302	BSURR302	BSUR	320B014	320B014		225B013	-	-	-	DEFAULT
15	B	-	15	SNGLB30	BSURR302	BSURR302	BSUR	320B015	320B015		225B014	-	-	-	DEFAULT
16	B	-	16	SNGLB30	BSURR302	BSURR302	BSUR	320B016	320B016		225B002	-	-	-	DEFAULT
17	B	-	17	SNGLB30	BSURR302	BSURR302	BSUR	320B017	320B017		225B003	-	-	-	DEFAULT
18	B	-	18	SNGLB30	BSURR302	BSURR302	BSUR	320B018	320B018		225B004	-	-	-	DEFAULT
19	B	-	19	SNGLB30	BSURR302	BSURR302	BSUR	320B019	320B019		225B015	-	-	-	DEFAULT
20	B	-	20	SNGLB30	BSURR302	BSURR302	BSUR	320B020	320B020		225B002	-	-	-	DEFAULT
21	B	-	21	SNGLB30	BSURR302	BSURR302	BSUR	320B021	320B021		225B002	-	-	-	DEFAULT
22	B	-	22	SNGLB30	BSURR302	BSURR302	BSUR	320B022	320B022		225B003	-	-	-	DEFAULT
23	B	-	23	SNGLB30	BSURR302	BSURR302	BSUR	320B023	320B023		225B004	-	-	-	DEFAULT
24	B	-	24	SNGLB30	BSURR302	BSURR302	BSUR	320B024	320B024		225B005	-	-	-	DEFAULT
25	B	-	25	SNGLB30	BSURR302	BSURR302	BSUR	320B025	320B025		225B006	-	-	-	DEFAULT
26	B	-	26	SNGLB30	BSURR302	BSURR302	BSUR	320B026	320B026		225B003	-	-	-	DEFAULT
27	B	-	27	SNGLB30	BSURR302	BSURR302	BSUR	320B027	320B027		225B004	-	-	-	DEFAULT
28	B	-	28	SNGLB30	BSURR302	BSURR302	BSUR	320B028	320B028		225B005	-	-	-	DEFAULT
29	B	-	29	SNGLB30	BSURR302	BSURR302	BSUR	320B029	320B029		225B002	-	-	-	DEFAULT
30	B	-	30	SNGLB30	BSURR302	BSURR302	BSUR	320B030	320B030		225B003	-	-	-	DEFAULT
31	B	-	31	SNGLB30	BSURR302	BSURR302	BSUR	320B031	320B031		225B004	-	-	-	DEFAULT
32	B	-	32	SNGLB30	BSURR302	BSURR302	BSUR	320B032	320B032		225B004	-	-	-	DEFAULT
33	B	-	33	SNGLB30	BSURR302	BSURR302	BSUR	320B033	320B033		225B016	-	-	-	DEFAULT
34	B	-	34	SNGLB30	BSURR302	BSURR302	BSUR	320B034	320B034		225B017	-	-	-	DEFAULT
35	B	-	35	SNGLB30	BSURR302	BSURR302	BSUR	320B035	320B035		225B018	-	-	-	DEFAULT
36	B	-	36	SNGLB30	BSURR302	BSURR302	BSUR	320B036	320B036		225B019	-	-	-	DEFAULT
37	B	-	37	SNGLB30	BSURR302	BSURR302	BSUR	320B037	320B037		225B020	-	-	-	DEFAULT
38	B	-	38	SNGLB30	BSURR302	BSURR302	BSUR	320B038	320B038		225B021	-	-	-	DEFAULT
39	B	-	39	SNGLB30	BSURR302	BSURR302	BSUR	320B039	320B039		225B022	-	-	-	DEFAULT
40	B	-	40	SNGLB30	BSURR302	BSURR302	BSUR	320B040	320B040		225B023	-	-	-	DEFAULT
41	B	-	41	SNGLB30	BSURR302	BSURR302	BSUR	320B041	320B041		225B024	-	-	-	DEFAULT

[redacted]	B	-	42	SNGLB30	BSURR302	BSURR302	BSUR	320B042	320B042	225B025	-	-	-	DEFAULT
[redacted]	B	-	43	SNGLB30	BSURR302	BSURR302	BSUR	320B043	320B043	225B002	-	-	-	DEFAULT
[redacted]	B	-	44	SNGLB30	BSURR302	BSURR302	BSUR	320B044	320B044	225B003	-	-	-	DEFAULT
45	B	-	45	SNGLB30	BSURR302	BSURR302	BSUR	320B045	320B045	225B004	-	-	-	DEFAULT
46	B	-	46	SNGLB30	BSURR302	BSURR302	BSUR	320B046	320B046	225B004	-	-	-	DEFAULT
[redacted]	B	-	47	SNGLB30	BSURR302	BSURR302	BSUR	320B047	320B047	225B026	-	-	-	DEFAULT
[redacted]	B	-	48	SNGLB30	BSURR302	BSURR302	BSUR	320B048	320B048	225B027	-	-	-	DEFAULT
49	B	-	49	SNGLB30	BSURR302	BSURR302	BSUR	320B049	320B049	225B028	-	-	-	DEFAULT
50	B	-	50	SNGLB30	BSURR302	BSURR302	BSUR	320B050	320B050	225B029	-	-	-	DEFAULT
[redacted]	B	-	51	SNGLB30	BSURR302	BSURR302	BSUR	320B051	320B051	225B030	-	-	-	DEFAULT
[redacted]	B	-	52	SNGLB30	BSURR302	BSURR302	BSUR	320B052	320B052	225B031	-	-	-	DEFAULT
[redacted]	B	-	53	SNGLB30	BSURR302	BSURR302	BSUR	320B053	320B053	225B032	-	-	-	DEFAULT
54	B	-	54	SNGLB30	BSURR302	BSURR302	BSUR	320B054	320B054	225B033	-	-	-	DEFAULT
55	B	-	55	SNGLB30	BSURR302	BSURR302	BSUR	320B055	320B055	225B034	-	-	-	DEFAULT
[redacted]	B	-	56	SNGLB30	BSURR302	BSURR302	BSUR	320B056	320B056	225B035	-	-	-	DEFAULT
[redacted]	B	-	57	SNGLB30	BSURR302	BSURR302	BSUR	320B057	320B057	225B036	-	-	-	DEFAULT
58	B	-	58	SNGLB30	BSURR302	BSURR302	BSUR	320B058	320B058	225B037	-	-	-	DEFAULT
59	B	-	59	SNGLB30	BSURR302	BSURR302	BSUR	320B059	320B059	225B038	-	-	-	DEFAULT
60	B	-	60	SNGLB30	BSURR302	BSURR302	BSUR	320B060	320B060	225B039	-	-	-	DEFAULT
[redacted]	B	-	61	SNGLB30	BSURR302	BSURR302	BSUR	320B061	320B061	225B040	-	-	-	DEFAULT
[redacted]	B	-	62	SNGLB30	BSURR302	BSURR302	BSUR	320B062	320B062	225B041	-	-	-	DEFAULT
63	B	-	63	SNGLB30	BSURR302	BSURR302	BSUR	320B063	320B063	225B042	-	-	-	DEFAULT
64	B	-	64	SNGLB30	BSURR302	BSURR302	BSUR	320B064	320B064	225B043	-	-	-	DEFAULT
[redacted]	B	-	65	SNGLB30	BSURR302	BSURR302	BSUR	320B065	320B065	225B044	-	-	-	DEFAULT
[redacted]	B	-	66	SNGLB30	BSURR302	BSURR302	BSUR	320B066	320B066	225B045	-	-	-	DEFAULT
[redacted]	B	-	67	SNGLB30	BSURR302	BSURR302	BSUR	320B067	320B067	225B046	-	-	-	DEFAULT
68	B	-	68	SNGLB30	BSURR302	BSURR302	BSUR	320B068	320B068	225B047	-	-	-	DEFAULT
69	B	-	69	SNGLB30	BSURR302	BSURR302	BSUR	320B069	320B069	225B048	-	-	-	DEFAULT
[redacted]	B	-	70	SNGLB30	BSURR302	BSURR302	BSUR	320B070	320B070	225B049	-	-	-	DEFAULT
[redacted]	B	-	71	SNGLB30	BSURR302	BSURR302	BSUR	320B071	320B071	225B050	-	-	-	DEFAULT
72	B	-	72	SNGLB30	BSURR302	BSURR302	BSUR	320B072	320B072	225B051	-	-	-	DEFAULT
73	B	-	73	SNGLB30	BSURR302	BSURR302	BSUR	320B073	320B073	225B052	-	-	-	DEFAULT
[redacted]	B	-	74	SNGLB30	BSURR302	BSURR302	BSUR	320B074	320B074	225B053	-	-	-	DEFAULT
[redacted]	B	-	75	SNGLB30	BSURR302	BSURR302	BSUR	320B075	320B075	225B054	-	-	-	DEFAULT
[redacted]	B	-	76	SNGLB30	BSURR302	BSURR302	BSUR	320B076	320B076	225B055	-	-	-	DEFAULT
77	B	-	77	SNGLB30	BSURR302	BSURR302	BSUR	320B077	320B077	225B056	-	-	-	DEFAULT
78	B	-	78	SNGLB30	BSURR302	BSURR302	BSUR	320B078	320B078	225B057	-	-	-	DEFAULT
[redacted]	B	-	79	SNGLB30	BSURR302	BSURR302	BSUR	320B079	320B079	225B058	-	-	-	DEFAULT
[redacted]	B	-	80	SNGLB30	BSURR302	BSURR302	BSUR	320B080	320B080	225B059	-	-	-	DEFAULT
81	B	-	81	SNGLB30	BSURR302	BSURR302	BSUR	320B081	320B081	225B060	-	-	-	DEFAULT
82	B	-	82	SNGLB30	BSURR302	BSURR302	BSUR	320B082	320B082	225B061	-	-	-	DEFAULT
[redacted]	B	-	83	SNGLB30	BSURR302	BSURR302	BSUR	320B083	320B083	225B062	-	-	-	DEFAULT
[redacted]	B	-	84	SNGLB30	BSURR302	BSURR302	BSUR	320B084	320B084	225B063	-	-	-	DEFAULT
[redacted]	B	-	85	SNGLB30	BSURR302	BSURR302	BSUR	320B085	320B085	225B064	-	-	-	DEFAULT
86	B	-	86	SNGLB30	BSURR302	BSURR302	BSUR	320B086	320B086	225B065	-	-	-	DEFAULT
87	B	-	87	SNGLB30	BSURR302	BSURR302	BSUR	320B087	320B087	225B066	-	-	-	DEFAULT
[redacted]	B	-	88	SNGLB30	BSURR302	BSURR302	BSUR	320B088	320B088	225B067	-	-	-	DEFAULT
[redacted]	B	-	89	SNGLB30	BSURR302	BSURR302	BSUR	320B089	320B089	225B068	-	-	-	DEFAULT
90	B	-	90	SNGLB30	BSURR302	BSURR302	BSUR	320B090	320B090	225B069	-	-	-	DEFAULT
91	B	-	91	SNGLB30	BSURR302	BSURR302	BSUR	320B091	320B091	225B070	-	-	-	DEFAULT
92	B	-	92	SNGLB30	BSURR302	BSURR302	BSUR	320B092	320B092	225B071	-	-	-	DEFAULT
[redacted]	B	-	93	SNGLB30	BSURR302	BSURR302	BSUR	320B093	320B093	225B072	-	-	-	DEFAULT
[redacted]	B	-	94	SNGLB30	BSURR302	BSURR302	BSUR	320B094	320B094	225B073	-	-	-	DEFAULT
95	B	-	95	SNGLB30	BSURR302	BSURR302	BSUR	320B095	320B095	225B074	-	-	-	DEFAULT
96	B	-	96	SNGLB30	BSURR302	BSURR302	BSUR	320B096	320B096	225B075	-	-	-	DEFAULT

ORGANIC EXTRACTION RECORD

11/09/98 10:27:18

Batch Number : 44501
Date Extracted : 06-NOV-98
Extracted By : Jennifer Bambauer
Prep Method : 3520

Analysis: TEH
Bgroup : N/A
Units : ml
Clean-up:

Surrogate ID : 98ws6612b
Internal Std. ID:
B/M Spike ID : 98wsw6525d

Sample No.	Type	Client	Matrx	Init W/V	U	Final Vol	Prep D.F.	Clean D.F.	pH	Analysis	Comments
136358-004		Kvaerner Environmental	Water	1030	ml	5	.0049	1	7	TEH	
136358-005		Kvaerner Environmental	Water	1030	ml	5	.0049	1	7	TEH	
136361-001		Geofon, Inc.	WET D	500	ml	2.5	.005	1	5	TEH	
136361-002		Geofon, Inc.	WET D	500	ml	2.5	.005	1	5	TEH	
136361-003		Geofon, Inc.	WET D	500	ml	2.5	.005	1	5	TEH	
136406-001		Burns & McDonnell	Water	500	ml	2.5	.005	1	7	TEH	
136406-002		Burns & McDonnell	Water	500	ml	2.5	.005	1	7	TEH	
136417-001		Kvaerner Environmental	Water	1040	ml	5	.0048	1	7	TEH	
136417-002		Kvaerner Environmental	Water	1040	ml	5	.0048	1	7	TEH	
136445-002		Harding Lawson Associates	Water	500	ml	2.5	.005	1	7	TEH	
136445-003		Harding Lawson Associates	Water	500	ml	2.5	.005	1	7	TEH	
136445-004		Harding Lawson Associates	Water	500	ml	2.5	.005	1	7	TEH	
136445-005		Harding Lawson Associates	Water	500	ml	2.5	.005	1	7	TEH	fuel odor
136445-006		Harding Lawson Associates	Water	500	ml	2.5	.005	1	7	TEH	fuel odor
136445-007		Harding Lawson Associates	Water	500	ml	2.5	.005	1	7	TEH	fuel odor
QC84085	BLANK		Water	500	ml	2.5	.005	1	7	TEH	
QC84086	BS		Water	500	ml	2.5	.005	1	7	TEH	
QC84087	BSD		Water	500	ml	2.5	.005	1	7	TEH	
QC84124	PREPB		WET D	500	ml	2.5	.005	1	5	TEH	

Prep Chemist: Jennifer Bambauer Reviewed By: [illegible] Date: 11/10/98

Curtis and Tompkins, Ltd EXTRACTABLE HYDROCARBONS WATER PREP LOG BK0998

LIMS Batch No: 44601
LIMS Analysis: TEH
Extracted by: JB
Date Extracted: 11/6/98

Extraction Method:
☐ mod. EPA 3510 sep. funnel
☒ mod. EPA 3520 cont. L/L
☐ _____

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Continued from Page —

	Sample ID	Volume of Sample (mL)	Sample pH	Final Volume (mL)	Comments
*	136358-004K	1030	7	5.0	
*	↓ -005J	↓	↓	↓	
	136361-001	500	5	2.5	
	-002	↓	↓	↓	
5	↓ -003	↓	↓	↓	JB 11/6
	136384-001				
	-002				
	-003				
	-004				
10	-005				
	-006				
	↓ -007				
	136406-001D	500	7	2.5	
	↓ -002D	↓	↓	↓	
* 15	136417-001G	1040		5.0	
*	↓ -002G	↓	↓	↓	
	MB QC84085	500	NA	2.5	
	BS ↓ 6	↓	↓	↓	
	BSD ↓ 7	↓	↓	↓	
20	136445-002E		7		
	-003F		↓		
	004E				
	-005E				fuel odor
	-006F				↓
	↓ -007F		↓		
	Prep. Blank QC81124	↓	5	↓	

* 1.0mL Surr Soln. added

	Mfg & Lot # / LIMS # / Time	Date/Initials
0.5 mL of surrogate solution TEH SURR was added to all samples	98WS6612B	JB 11/6
0.5 mL of D-SPIKE matrix spiking solution was added to all spikes	98WS6525D	↓
pH of all samples adjusted to pH ≤ 2 with H_2SO_4	JT Baker L49039	↓
☒ Samples were extracted with approximately 500 mL of CH_2Cl_2	EM 38219 / 38170	by JB + AEC 11/6
Extraction Start Time:	1835	JB 11/6
Extraction End Time:	1255	JB 11/7/98
☐ Samples were extracted 3 times with 60 mL of CH_2Cl_2	NA	
Extracts filtered through baked, rinsed powdered Na_2SO_4	EM 12576 9 / 108203	KED 11/9/98
Concentrated to volumes as noted above	✓	↓

Jeff Bamba 11/6/98
Extraction Chemist **Date**

Continued on Page _____

Reviewed by **Date**

PROJECT Silica Gel Cleanup of: 136445 Notebook No. BK1007

Continued From Page

EPA Method 3630

AEC 11/9/98

Sample ID	Initial Volume(mL)	Final Volume(mL)	Batch #
136445- 2	1.0	1.9	44501
3			
4			
5			
6			
7			
BLANK QC84085			
BS 86			
BSD 87			

- 1.8g Silica Gel Cartridges (BFJL2198) were baked at 140°C for 4 hours.
- Cartridges were rinsed w/ 6x's volume w/ CH_2Cl_2 (EM38170)
- 1.0mL extract added; then 1.0mL CH_2Cl_2 was added; monitored for breakthrough
- Eluted w/ 2.0mL CH_2Cl_2 and collected in receivers
- Concentrated to 1.0mL w/ Stream of Nitrogen.

Continued on Page

Read and Understood By

R. Elizabeth Courtright — Signed — 11/9/98 — Date

Signed — 11/10/98 — Date

EPA Method 3630 JB 11/11/98

Sample #	initial Vol (mL)	Final Vol (mL)	Batch #
136500-001	1.0	4.0	44574
-002			
-003			
-004			
-005			
-006			
-007			
-008			
-009			
-010			
-011			
-012			
-013			
-014			
MB QC84356			
LCS 7			
MS 8			
MSD 9			
136445-003		1.0	44501
BSD QC83145	.85		44244
BS QC84086			44501
BSD 7			

- 1.8g Silica gel cartridges (B+J L 2198) were baked for 4 hrs. at 140°C
- cartridges were rinsed w/ 3x the volume of CH_2Cl_2 (EM 38219/38170)
- 1 mL of extract added to each followed by 1.0 mL CH_2Cl_2
- eluted w/ 2.0 mL CH_2Cl_2 & collected in receivers
- Most were brought to a final volume of 4.0 mL with CH_2Cl_2
- four were N_2 blown down to 1.0 mL.

Continued on Page

Read and Understood By

Signed 11/12/98 Date

Signed 11/12/98 Date