LAWRENCE
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ENGINEERING GEOLOGY
CIVIL ENGINEERING
GROUNDWATER HYDROLOGY

003003.00
Task 4

September 29, 2005

Ms. Kasey Ashley
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A,
Santa Rosa, CA 95403

Dear Ms. Ashley:

SUBJECT: THIRD-QUARTER 2005 GROUNDWATER MONITORING FOR THE OLD DAIRY PLANT, CRESCENT CITY, CALIFORNIA

Introduction

On behalf of Mr. Lowell Syrstad, this letter presents the results of third-quarter 2005 groundwater monitoring performed by Lawrence & Associates (L&A) on August 2, 2005, at the Old Dairy Plant site, 450 Seventh Street, Crescent City, California (**Figure 1**). This letter fulfills quarterly groundwater monitoring requirements set forth in *California Code of Regulations (CCR) Title 23 §2652 (d)* for underground storage tank sites with petroleum contamination in groundwater.

Groundwater samples were collected from monitoring wells MW-1 through MW-8. Samples were tested for total petroleum hydrocarbons as gasoline (TPH-gasoline); TPH-diesel; TPH-motor oil; benzene, toluene, ethylbenzene, and total xylenes (BTEX); tert-butyl alcohol (TBA), methyl tert-butyl ether (MTBE), diisopropyl alcohol (DIPE), ethyl-tert-butyl ether (ETBE), and tert-amylmethyl ether (TAME). Because of their close proximity to the former bunker fuel tank, additional samples were collected from MW-6 and MW-7 and analyzed for Bunker Oil C and polynuclear aromatic hydrocarbons (PNA's). Groundwater from the monitoring wells also was field-tested for pH, electrical conductivity (EC), temperature, dissolved oxygen (DO), and oxidation reduction potential (ORP).

On September 1, 2005, the overexcavation of the former bunker oil tank location was performed by Evans Construction, Inc. A letter describing the work performed and including laboratory results will be submitted in a separate report.

Findings

The groundwater gradient on August 2, 2005, was generally towards the southeast with a magnitude of 0.016 feet/foot (**Table 1**; **Figure 2**).

Groundwater samples MW-6 and MW-7 were below detection levels for Bunker Oil C and PNA's.

Conclusions

The extent of groundwater contamination at the site is roughly defined by the existing monitoring-well network.

The majority of groundwater contamination at the site is located adjacent to the former 1,000-gallon underground gasoline tank located in the center of the site in MW-8 (**Figure 3**). There has been a significant decrease in gasoline and BTEX constituents in MW-8 since the well was installed in March 2004 (**Attachment A**).

Recommendations

The current monitoring-well network should continue to be monitored on a quarterly basis to further evaluate seasonal variations and trends of groundwater gradient and contaminant concentrations.

Since the overexcavation of the former bunker oil tank location has been completed, and Bunker Oil C has never been detected in groundwater samples MW-6 and MW-7, PNA's and Bunker Oil C should be removed from the quarterly groundwater-monitoring program.

Groundwater monitoring

Water levels were measured in all monitoring wells on August 2, 2005, using an Actat Model 300 electric well probe and the groundwater elevations recorded to the nearest 0.01 foot below the top of well casing (**Table 1**; **Figure 2**). The sounder was decontaminated before and after use in each well.

Prior to sampling, the monitoring wells were purged until the field parameters had stabilized. The wells were sampled using a peristaltic pump with disposable tubing. The purged water was placed in a 55-gallon steel barrel and stored onsite. Groundwater samples were collected from the pump's discharge tube directly into sample bottles provided by the laboratory. The samples were placed on ice in a cooler, and transported under chain-of-custody to Shasta Analytical Laboratory in Redding, California for analyses.

Table 1 presents the stabilized field readings of groundwater samples collected on August 2, 2005.

Table 1
Groundwater Depths, Elevations, & Stabilized Field Parameters
(August 2, 2005)

Well	Top of casing elev., ft	Groundwater depth, ft	Groundwater elevation, ft	Temp., C^o	pH, pH units	EC, µS/cm	Turbidity, NTU	Dissolved O_2, mg/L	ORP, mV
MW-1	35.61	5.63	29.98	17.5	6.55	220	58.4	0.30	-7
MW-2	37.41	5.74	31.67	16.7	6.22	163	10.5	2.92	127
MW-3	37.46	5.63	31.83	18.0	6.21	166	3.25	2.41	122
MW-4	36.61	4.59	32.02	19.1	6.01	162	177	0.59	119
MW-5	35.57	4.73	30.84	18.8	6.43	420	29.2	0.28	-79
MW-6	37.38	6.51	30.87	17.8	6.42	139	2.27	0.30	-15
MW-7	37.21	6.55	30.66	18.6	6.18	117	0.63	0.62	107
MW-8	36.71	5.18	31.53	17.5	7.26	501	0.24	0.24	NM

NM = Not measured.

Table 2 presents laboratory analyses of groundwater samples collected on August 2, 2005.

Table 2
Groundwater Analytical Results
(August 2, 2005)

Sample	TPH Gasoline	TPH Diesel	TPH Motor Oil	B	T	E	X	8260 oxygenates TBA	MTBE	DIPE	ETBE	TAME
	mg/L			µg/L				µg/L				
MW-1	**1.0**	<0.05	<0.175	<0.50	<0.50	**12**	<1.0	<10	<5.0	<5.0	<5.0	<5.0
MW-2	<0.05	<0.05	<0.175	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<5.0	<5.0	<5.0
MW-3	<0.05	<0.05	<0.175	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<5.0	<5.0	<5.0
MW-4	<0.05	<0.05	<0.175	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<5.0	<5.0	<5.0
MW-5	<0.05	<0.05	<0.175	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<5.0	<5.0	<5.0
MW-6	**0.51**	<0.05	<0.175	**4.5**	<0.50	**4.3**	<1.0	<10	<5.0	<5.0	<5.0	<5.0
MW-7	<0.05	<0.05	<0.175	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<5.0	<5.0	<5.0
MW-8	**11**	<0.05	<0.175	**63**	**1,200**	**300**	**1,100**	<10	<5.0	<5.0	<5.0	<5.0

Notes: µg/L = parts per billion (ppb); mg/L = parts per million (ppm). Samples MW-6 and MW-7 were non-detect for Bunker Oil C and PNA's.

Summary tables and time-series graphs of groundwater elevations, TPH-gasoline, TPH-diesel, BTEX, MTBE, DO, and ORP concentrations are presented in **Attachment A**.

Laboratory data sheets, chromatograms, and chain-of-custody form are presented in **Attachment B** and the L&A field data sheets showing the multiple field readings are presented in **Attachment C**.

Please call me or David Kirk at (530) 244-9703 if you have any questions regarding this report.

Sincerely,

Scott Brooks
Staff Hydrogeologist

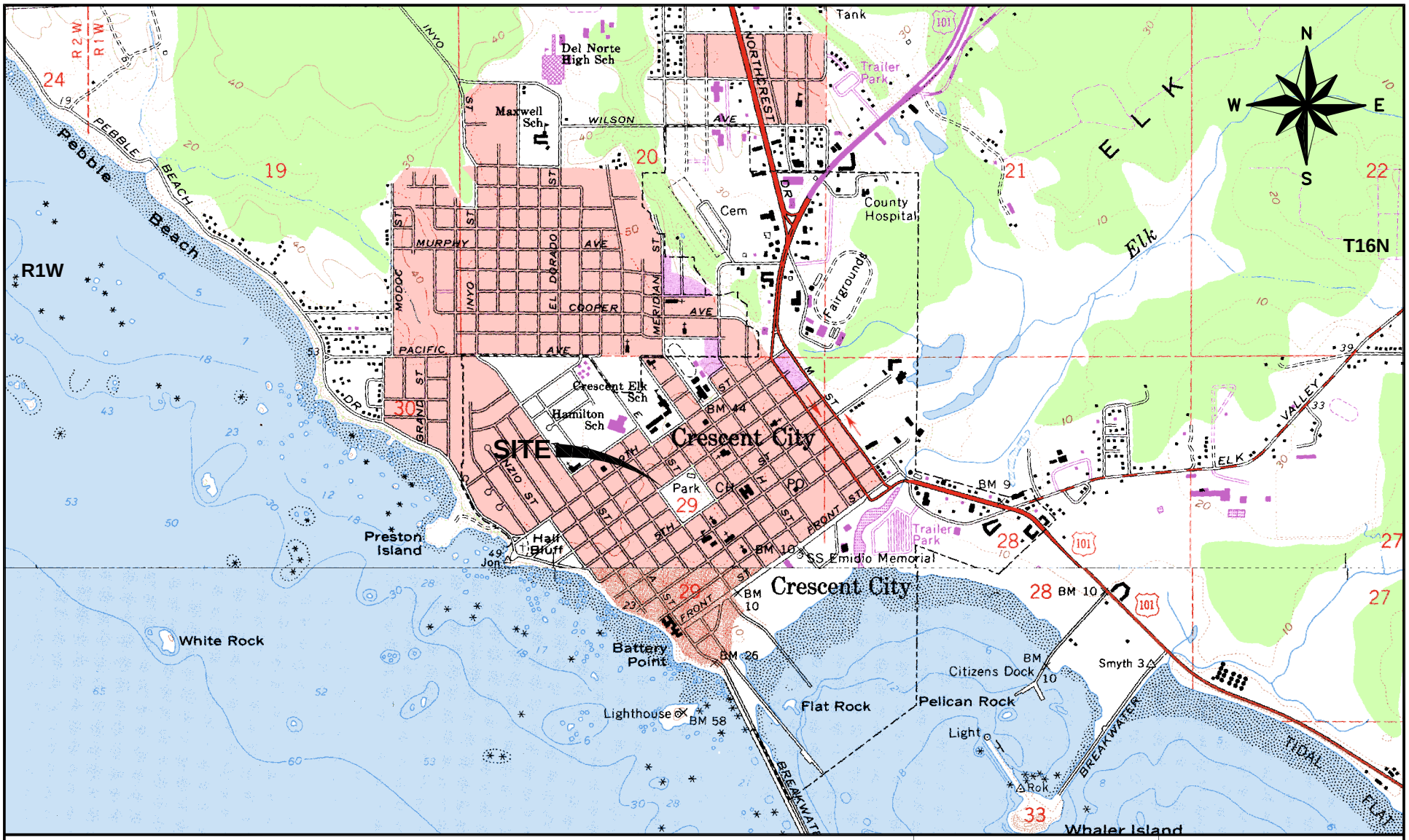
David L. Kirk
Senior Geologist PG 6673

Figure 1: Site-Location Map
Figure 2: Groundwater Elevation Map, August 2, 2005
Figure 3: TPH-Gasoline Concentrations in Groundwater, August 2, 2005

Attachment A: Historic Groundwater Data and Graphs
Attachment B: Laboratory Reports, Chromatograms, and Chain-of-Custody Form
Attachment C: L&A Field Data Sheets

cc: Mr. Lowell Syrstad, Owner
Mr. Leon Perreault, DNCDHSS

PROFESSIONAL GEOLOGIST
DAVID L. KIRK
exp. 9/30/05
No. 6673
STATE OF CALIFORNIA



SITE–LOCATION MAP

MAP ADAPTED FROM USGS 7.5–MINUTE TOPOGRAPHIC QUADS,
CRESCENT CITY AND SISTER ROCKS, CALIF., 1966

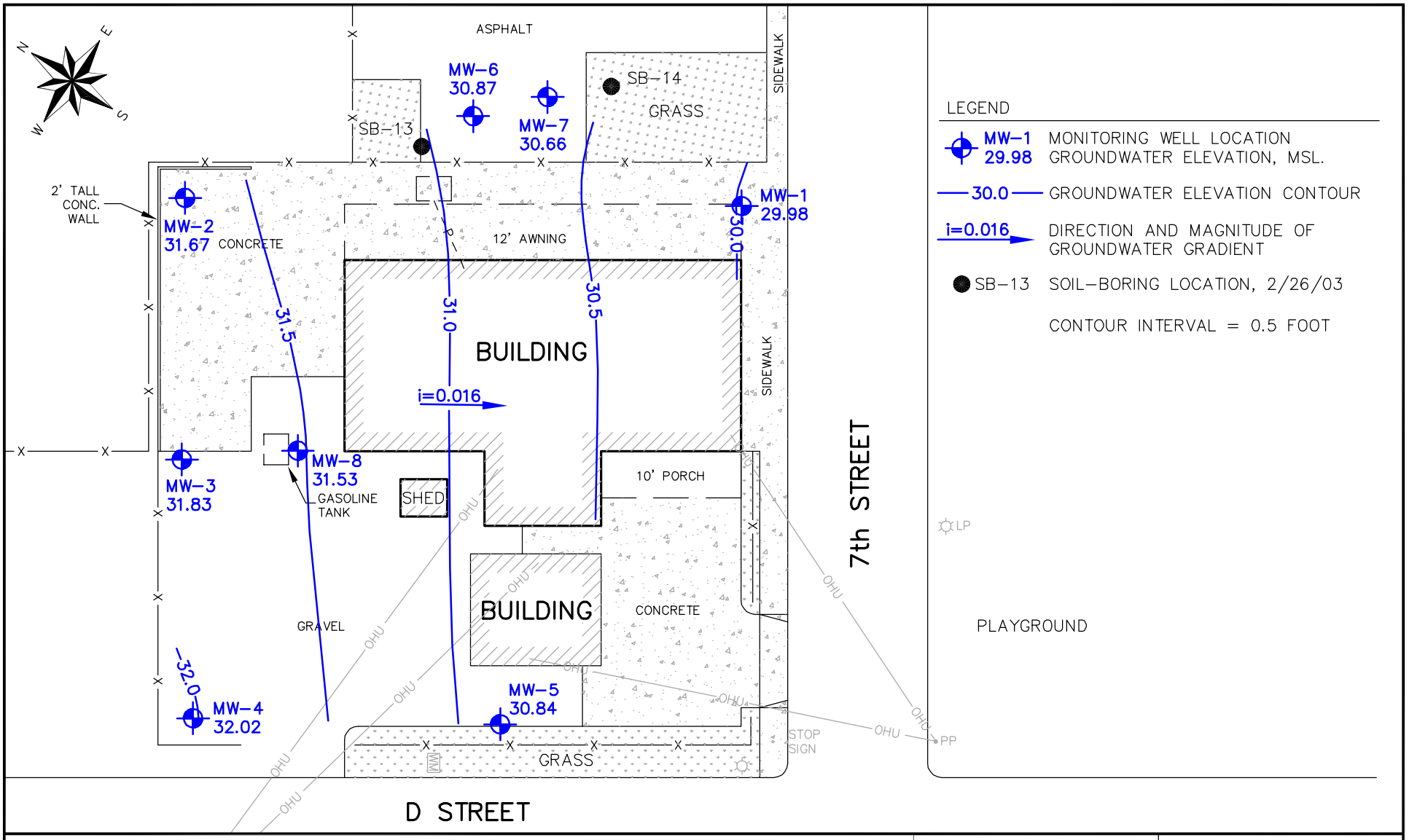
LAWRENCE & ASSOCIATES
2001 MARKET STREET, RM. 523
REDDING, CA 96001

PHONE (530) 244–9703
FAX (530) 244–5021

SCALE:	1"=2,000'
DATE:	9/28/2005
JOB NO:	003003.00

CLIENT:	PROJECT:	DRAWN BY:	FIGURE 1
MR. LOWELL SYRSTAD	OLD DAIRY PLANT, CRESCENT CITY	J. HOLDEN	

P:\P\SYRSTAD\SITE–loc.dwg J.L.H. 9/23/2005



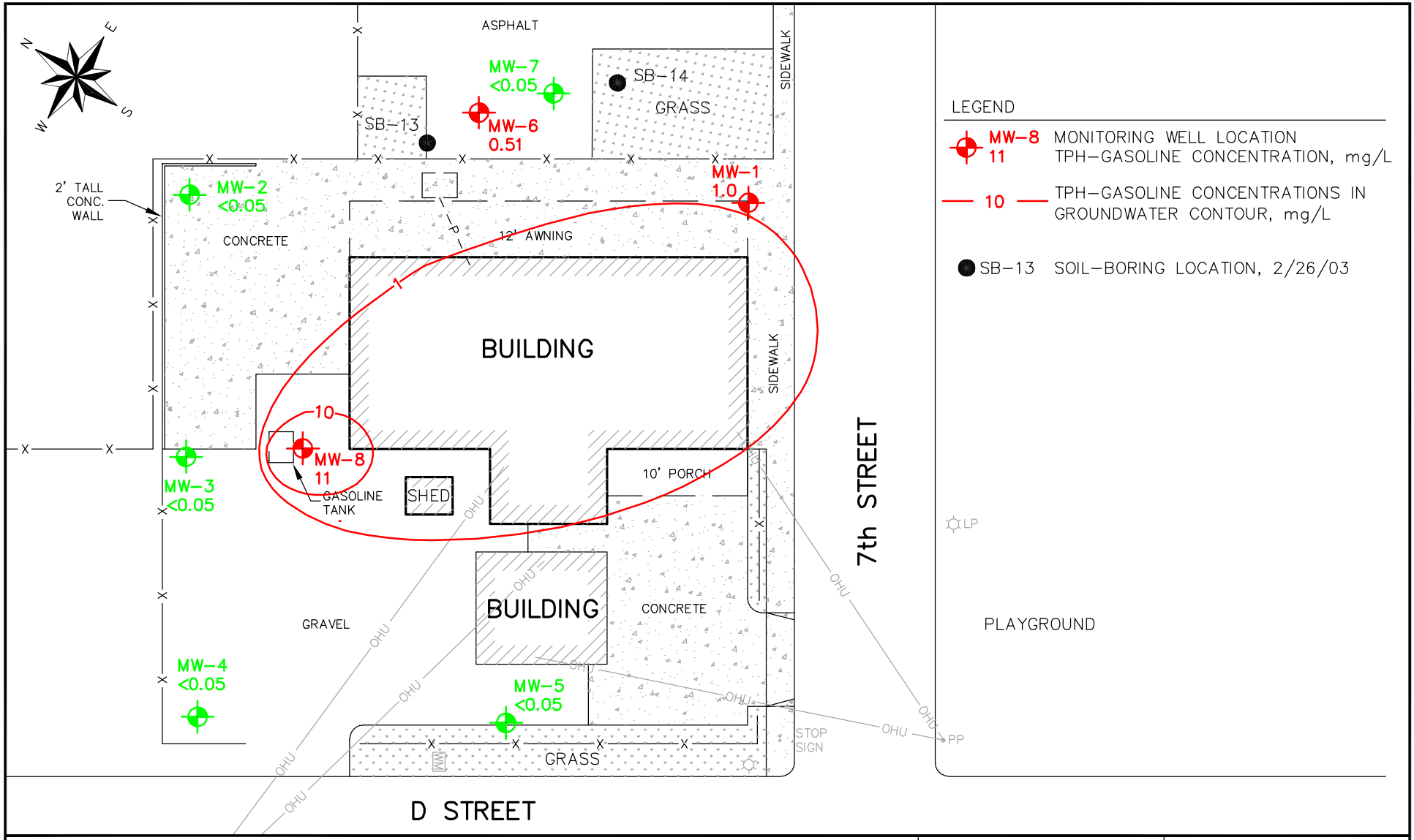
GROUNDWATER ELEVATION MAP
AUGUST 2, 2005

LAWRENCE & ASSOCIATES
2001 MARKET STREET, RM. 523
REDDING, CA 96001
PHONE (530) 244-9703
FAX (530) 244-5021

SCALE:	1"=30'
DATE:	9/23/2005
JOB NO:	003003.00

CLIENT:	PROJECT:	DRAWN BY:	FIGURE 2
MR. LOWELL SYRSTAD	OLD DAIRY PLANT – GROUNDWATER MONITORING	J. HOLDEN	

P:\P\SYRSTAD\GW-AUG05.dwg J.L.H. 9/23/2005



TPH-GASOLINE CONCENTRATIONS IN GROUNDWATER
AUGUST 2, 2005

LAWRENCE & ASSOCIATES
2001 MARKET STREET, RM. 523
REDDING, CA 96001
PHONE (530) 244-9703
FAX (530) 244-5021

SCALE:	1"=30'
DATE:	6/24/2005
JOB NO:	003003.00

CLIENT:	PROJECT:	DRAWN BY:	FIGURE 3
MR. LOWELL SYRSTAD	OLD DAIRY PLANT – GROUNDWATER MONITORING	J. HOLDEN	

P:\P\SYRSTAD\GAS-AUG05.dwg J.L.H. 9/28/2005

Attachment A
Historic Groundwater Data and Graphs

Historic Groundwater Data
Old Dairy Site - Crescent City, California

Groundwater Elevations, ft MSL

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	29.04	30.82	30.97	31.28	30.40			
02/13/02	34.03	35.46	34.68	33.64	32.88			
06/20/02	31.11	32.78	32.86	32.99	31.77			
09/19/02	28.53	30.13	30.27	30.68	29.62			
12/10/02	29.76	31.43	31.70	32.95	31.08			
02/27/03	33.63	35.23	34.40	33.50	32.53	34.71	34.52	
06/26/03	30.30	31.96	32.10	32.22	31.05	31.18	30.96	
09/23/03	28.67	30.26	30.38	30.78	29.71	29.45	29.27	
03/09/04	33.76	35.19	34.55	33.57	32.76	34.65	34.49	35.89
06/02/04	30.81	32.48	32.61	32.61	31.42	31.70	31.48	32.30
09/21/04	29.26	30.95	31.09	31.40	30.31	30.14	29.94	30.79
12/06/04	31.23	32.87	32.88	33.13	31.63	32.43	32.07	32.49
03/31/05	34.31	35.98	35.10	33.77	32.93	35.42	35.23	35.06
06/15/05	31.70	33.27	33.24	32.90	31.81	32.52	32.30	32.95
08/02/05	29.98	31.67	31.83	32.02	30.84	30.87	30.66	31.53

TPH-Diesel, mg/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<0.05	<0.05	<0.05	<0.05	<0.05			
02/13/02	<0.05	<0.05	<0.05	<0.05	<0.05			
06/20/02	<0.05	<0.05	<0.05	<0.05	<0.05			
09/19/02	<0.13	<0.13	<0.13	<0.13	<0.13			
12/10/02	<0.13	<0.13	<0.13	<0.13	<0.13			
02/27/03	<0.05	<0.05	<0.05	<0.05	<0.05	**0.20**	<0.05	
06/26/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
09/23/03	<0.05	<0.05	<0.05	<0.05	<0.05	**0.41**	<0.05	
03/09/04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50
06/02/04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50
09/21/04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50
12/06/04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50
03/31/05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
06/15/05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
08/02/05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

TPH-Motor oil, mg/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<0.50	<0.50	<0.50	<0.50	<0.50			
02/13/02	<0.50	<0.50	<0.50	<0.50	<0.50			
06/20/02	<0.50	<0.50	<0.50	<0.50	<0.50			
09/19/02	<1.25	<1.25	<1.25	<1.25	<1.25			
12/10/02	<1.25	<1.25	<1.25	<1.25	<1.25			
02/27/03	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
06/26/03	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/23/03	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/09/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
06/02/04	<2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
09/21/04	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175
12/06/04	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175
03/31/05	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175
06/15/05	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175
08/02/05	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175	<0.175

TPH-Gasoline, mg/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<0.05	<0.05	<0.05	<0.05	<0.05			
02/13/02	<0.05	<0.05	**0.13**	<0.05	<0.05			
06/20/02	**0.17**	<0.05	<0.05	<0.05	<0.05			
09/19/02	<0.05	<0.05	<0.05	<0.05	<0.05			
12/10/02	**0.07**	<0.05	<0.05	<0.05	<0.05			
02/27/03	<0.05	<0.05	<0.05	<0.05	<0.05	**0.07**	<0.05	
06/26/03	**0.06**	<0.05	<0.05	<0.05	<0.05	**0.06**	<0.05	
09/23/03	**0.15**	<0.05	<0.05	<0.05	<0.05	**0.06**	<0.05	
03/09/04	<0.05	<0.05	**0.19**	<0.05	<0.05	**0.05**	<0.05	**73**
06/02/04	**0.12**	<0.05	<0.05	<0.05	<0.05	**0.52**	<0.05	**34**
09/21/04	**0.13**	<0.05	<0.05	<0.05	<0.05	**0.46**	<0.05	**31**
12/06/04	**0.07**	<0.05	<0.05	<0.05	<0.05	**1.8**	**0.14**	**19**
03/31/05	**0.20**	<0.05	<0.05	<0.05	<0.05	**0.47**	<0.05	**7.3**
06/15/05	**0.09**	<0.05	<0.05	<0.05	<0.05	**0.22**	<0.05	**13**
08/02/05	**1.0**	<0.05	<0.05	<0.05	<0.05	**0.51**	<0.05	**11**

Historic Groundwater Data
Old Dairy Site - Crescent City, California

Benzene, ug/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<0.5	<0.5	<0.5	<0.5	<0.5			
02/13/02	<0.5	<0.5	<0.5	<0.5	<0.5			
06/20/02	**5.8**	<0.5	<0.5	<0.5	<0.5			
09/19/02	**2.0**	<0.5	<0.5	<0.5	<0.5			
12/10/02	<0.5	<0.5	<0.5	<0.5	<0.5			
02/27/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
06/26/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
09/23/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
03/09/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**400**
06/02/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**480**
09/21/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**200**
12/06/04	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	**120**
03/31/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**120**
06/15/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**73**
08/02/05	<0.5	<0.5	<0.5	<0.5	<0.5	**4.5**	<0.5	**63**

Toluene, ug/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<0.5	<0.5	**0.6**	**3.2**	<0.5			
02/13/02	<0.5	<0.5	<0.5	<0.5	<0.5			
06/20/02	**5.3**	<0.5	<0.5	<0.5	<0.5			
09/19/02	<0.5	<0.5	<0.5	<0.5	<0.5			
12/10/02	<0.5	<0.5	<0.5	<0.5	<0.5			
02/27/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
06/26/03	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
09/23/03	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5	
03/09/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**6,000**
06/02/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**7,000**
09/21/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**5,800**
12/06/04	<0.5	<0.5	<0.5	<0.5	<0.5	**16**	<0.5	**2,700**
03/31/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1,900**
06/15/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2,100**
08/02/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1,200**

Ethylbenzene, ug/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<0.5	<0.5	<0.5	**0.6**	<0.5			
02/13/02	<0.5	<0.5	**0.7**	<0.5	<0.5			
06/20/02	**1.1**	<0.5	<0.5	<0.5	<0.5			
09/19/02	<0.5	<0.5	<0.5	<0.5	<0.5			
12/10/02	<0.5	<0.5	<0.5	<0.5	<0.5			
02/27/03	<0.5	<0.5	<0.5	<0.5	<0.5	**2.3**	<0.5	
06/26/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
09/23/03	**0.8**	<0.5	<0.5	<0.5	<0.5	**0.9**	<0.5	
03/09/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**950**
06/02/04	**0.7**	<0.5	<0.5	<0.5	<0.5	**8.1**	<0.5	**1,300**
09/21/04	<0.5	<0.5	<0.5	<0.5	<0.5	**3.3**	<0.5	**900**
12/06/04	<0.5	<0.5	<0.5	<0.5	<0.5	**50**	<0.5	**430**
03/31/05	**1.2**	<0.5	<0.5	<0.5	<0.5	**3.9**	<0.5	**170**
06/15/05	<0.5	<0.5	<0.5	<0.5	<0.5	**1.9**	<0.5	**200**
08/02/05	**12**	<0.5	<0.5	<0.5	<0.5	**4.3**	<0.5	**300**

Xylenes, ug/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<1.0	<1.0	<1.0	**2.7**	<1.0			
02/13/02	<1.0	<1.0	<1.0	<1.0	<1.0			
06/20/02	**1.8**	<1.0	<1.0	<1.0	<1.0			
09/19/02	<1.0	<1.0	<1.0	<1.0	<1.0			
12/10/02	<1.0	<1.0	<1.0	<1.0	<1.0			
02/27/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
06/26/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
09/23/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
03/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5,500**
06/02/04	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5,300**
09/21/04	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	**3,300**
12/06/04	<1.0	<1.0	<1.0	<1.0	<1.0	**19**	**1.1**	**3,400**
03/31/05	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	**1,000**
06/15/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1,400**
08/02/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1,100**

Historic Groundwater Data
Old Dairy Site - Crescent City, California

TBA, ug/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<100	<500	<100	<100	<100			
02/13/02	<100	<100	<100	<100	<100			
06/20/02	<100	<100	<100	<100	<100			
09/19/02	<30	<30	<30	<30	<30			
12/10/02	<30	<30	<30	<30	<30			
02/27/03	<30	<30	<30	<30	<30	<30	<30	
06/26/03	<10	<10	<10	<10	<10	<10	<10	
09/23/03	<10	<10	<10	<10	<10	<10	<10	
03/09/04	<10	<10	<10	<10	<10	<10	<10	<10
06/02/04	<10	<10	<10	<10	<10	<10	<10	<100
09/21/04	<10	<10	<10	<10	<10	<10	<10	<100
12/06/04	<10	<10	<10	<10	<10	<10	<10	<100
03/31/05	<10	<10	<10	<10	<10	<10	<10	<10
06/15/05	<10	<10	<10	<10	<10	<10	<10	<10
08/02/05	<10	<10	<10	<10	<10	<10	<10	<10

MTBE, ug/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<5.0	<5.0	<5.0	<5.0	<5.0			
02/13/02	<5.0	<5.0	<5.0	<5.0	<5.0			
06/20/02	**12**	**7.6**	<5.0	<5.0	<5.0			
09/19/02	<5.0	<5.0	<5.0	<5.0	<5.0			
12/10/02	<5.0	<5.0	<5.0	<5.0	<5.0			
02/27/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
06/26/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
09/23/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
03/09/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
06/02/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
09/21/04	<5.0	**9.2**	<5.0	<5.0	<5.0	<5.0	<5.0	<50
12/06/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
03/31/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
06/15/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
08/02/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

DIPE, ug/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<5.0	<5.0	<5.0	<5.0	<5.0			
02/13/02	<5.0	<5.0	<5.0	<5.0	<5.0			
06/20/02	<5.0	<5.0	<5.0	<5.0	<5.0			
09/19/02	<5.0	<5.0	<5.0	<5.0	<5.0			
12/10/02	<5.0	<5.0	<5.0	<5.0	<5.0			
02/27/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
06/26/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
09/23/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
03/09/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
06/02/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
09/21/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
12/06/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
03/31/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
06/15/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
08/02/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

ETBE, ug/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<5.0	<5.0	<5.0	<5.0	<5.0			
02/13/02	<5.0	<5.0	<5.0	<5.0	<5.0			
06/20/02	<5.0	<5.0	<5.0	<5.0	<5.0			
09/19/02	<5.0	<5.0	<5.0	<5.0	<5.0			
12/10/02	<5.0	<5.0	<5.0	<5.0	<5.0			
02/27/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
06/26/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
09/23/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
03/09/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
06/02/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
09/21/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
12/06/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
03/31/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
06/15/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
08/02/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Historic Groundwater Data
Old Dairy Site - Crescent City, California

TAME, ug/L

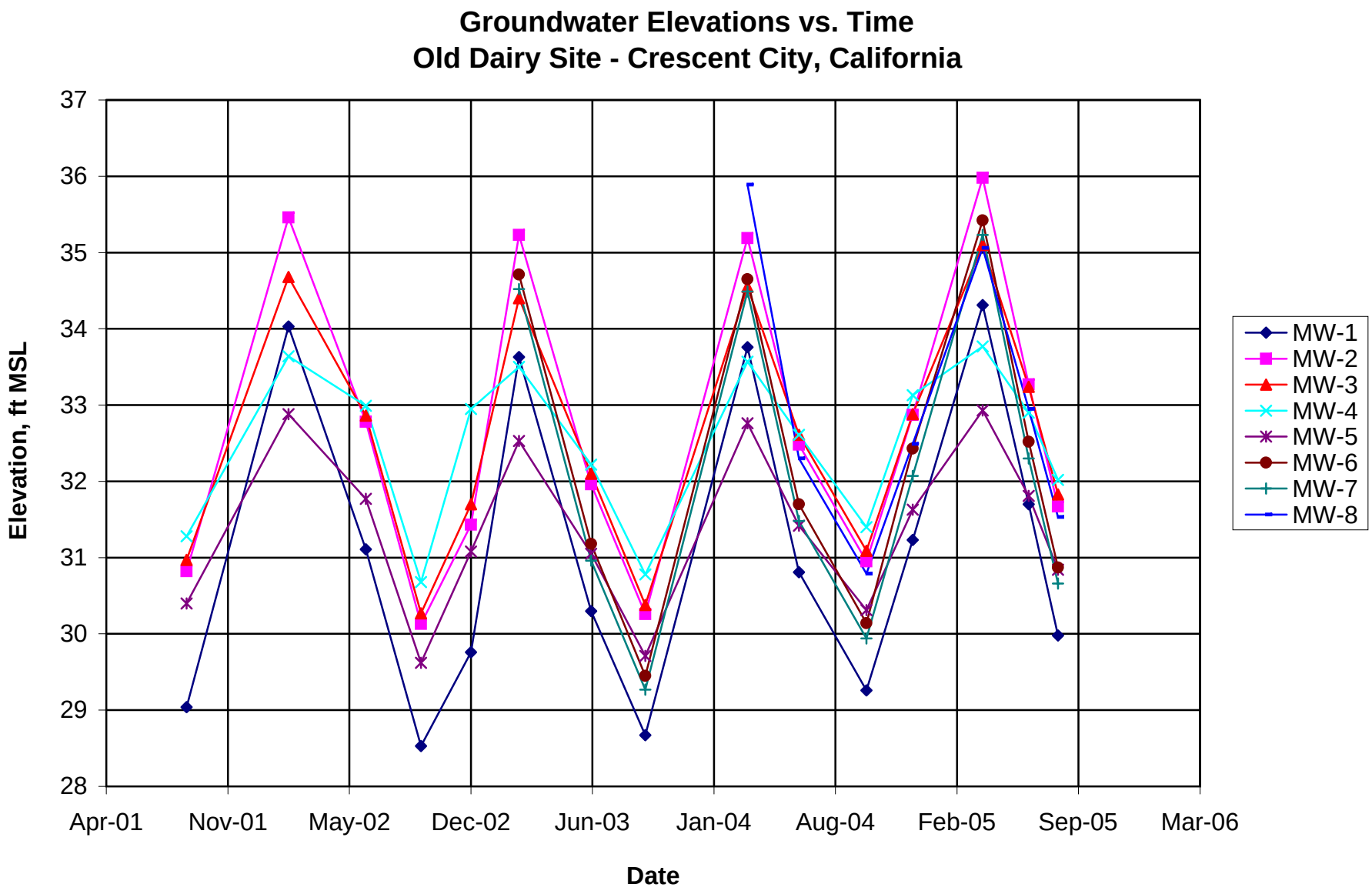
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/29/01	<5.0	<5.0	<5.0	<5.0	<5.0			
02/13/02	<5.0	<5.0	<5.0	<5.0	<5.0			
06/20/02	<5.0	<5.0	<5.0	<5.0	<5.0			
09/19/02	<5.0	<5.0	<5.0	<5.0	<5.0			
12/10/02	<5.0	<5.0	<5.0	<5.0	<5.0			
02/27/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
06/26/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
09/23/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
03/09/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
06/02/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
09/21/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
12/06/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
03/31/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
06/15/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
08/02/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

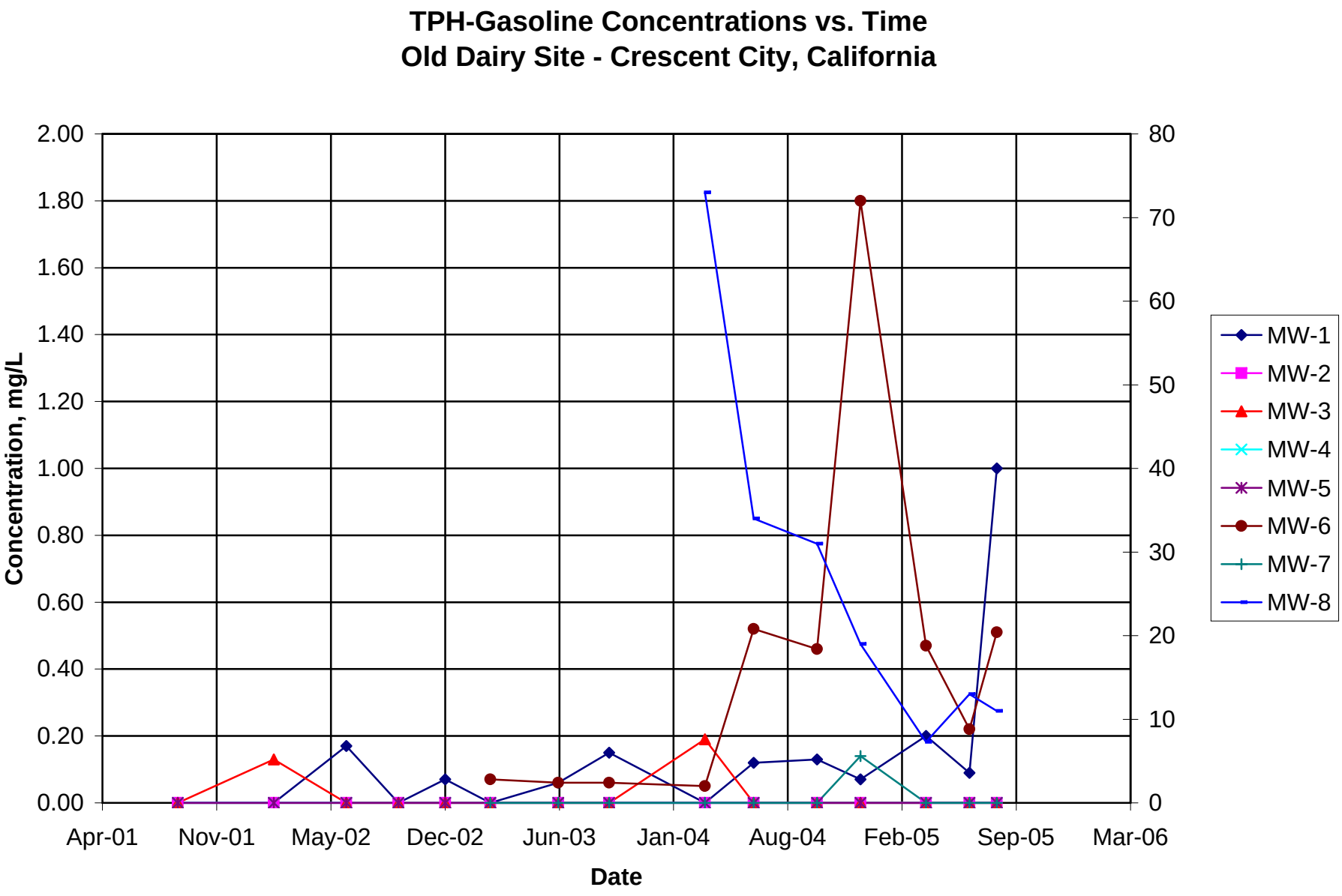
Dissolved Oxygen, mg/L

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
02/13/02	1.07	5.67	1.56	0.39	0.71			
09/19/02	0.54	0.56	0.83	0.63	0.16			
02/27/03	0.58	7.40	3.25	0.33	0.61	3.14	4.02	
06/26/03	0.46	4.51	3.71	0.51	0.44	0.38	0.94	
03/09/04	2.25	7.80	5.40	0.63	0.67	0.77	3.01	0.71
06/02/04	1.85	6.81	5.05	1.88	1.91	1.98	2.21	1.83
12/06/04	0.09	2.05	4.52	0.22	0.07	0.05	0.11	0.06
03/31/05	0.20	9.40	7.02	0.19	0.19	0.39	2.53	1.03
06/15/05	0.90	7.94	4.67	0.28	0.16	0.58	0.63	0.30
08/02/05	0.30	2.92	2.41	0.59	0.28	0.30	0.62	0.24

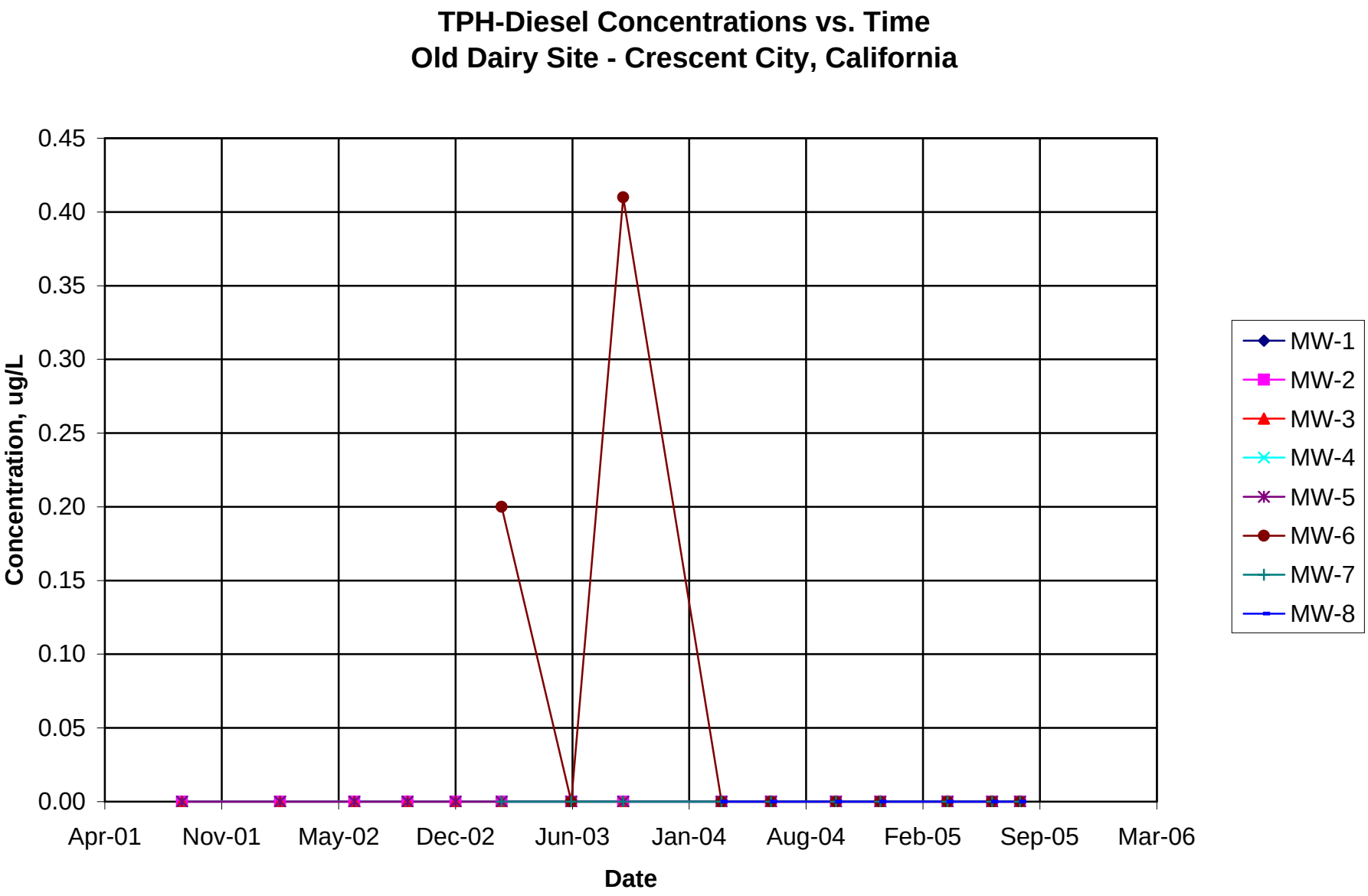
Oxidation Reduction Potential, mV

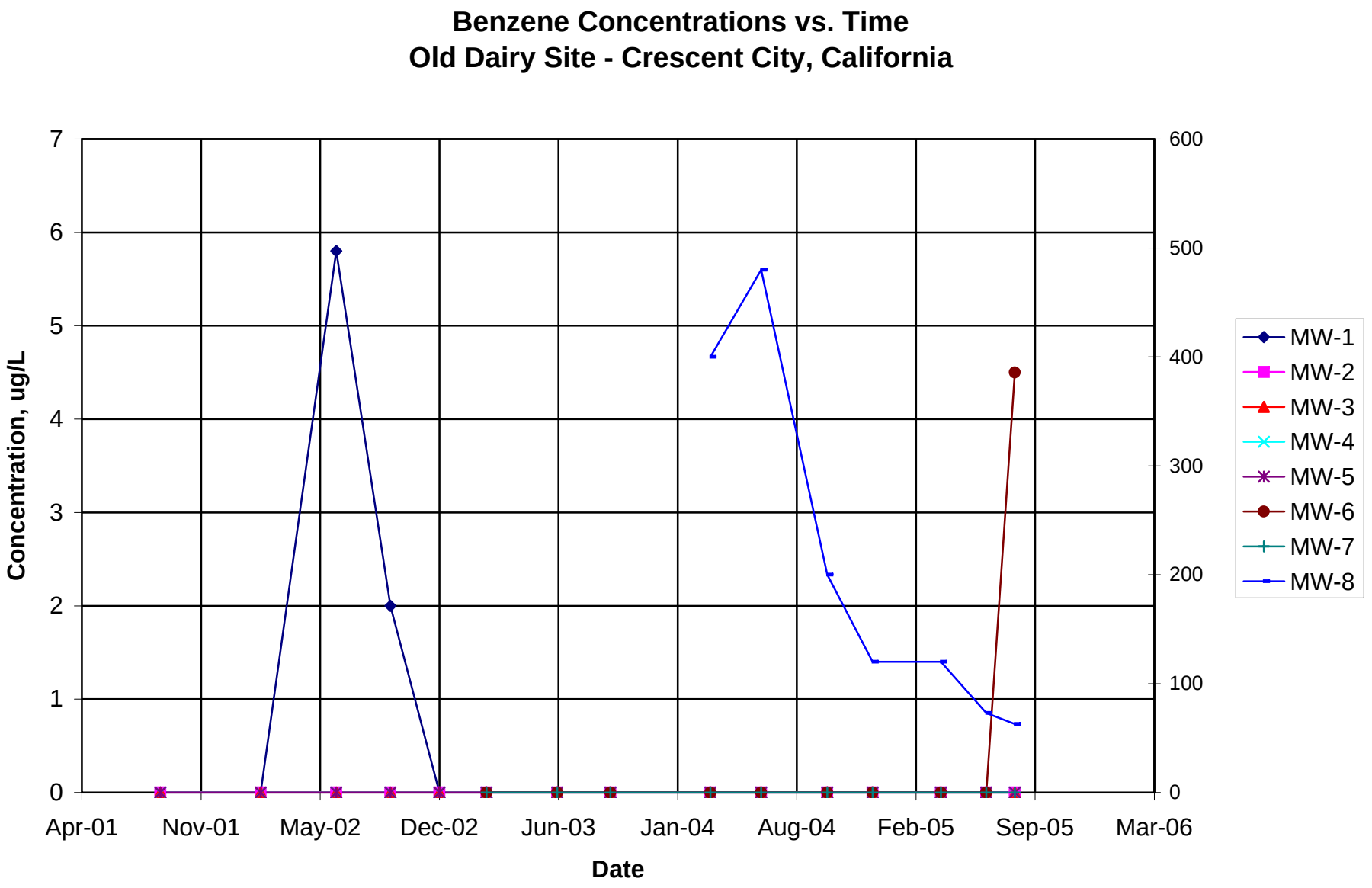
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
08/02/05	-7	127	122	119	-79	-15	107	


Groundwater Elevations vs. Time
Old Dairy Site - Crescent City, California
Elevation, ft MSL
37
36
35
34
33
32
31
30
29
28
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Date
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8

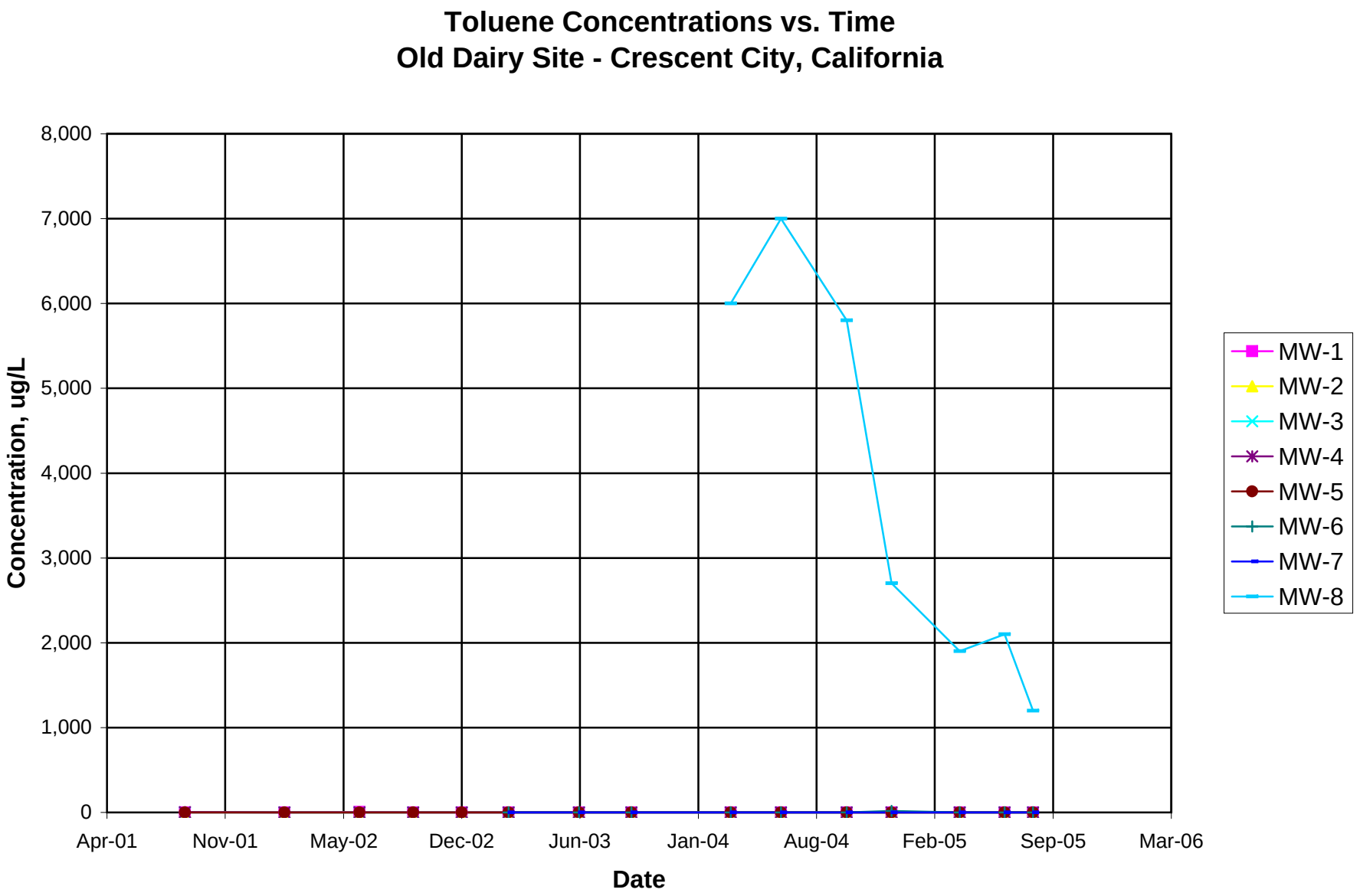


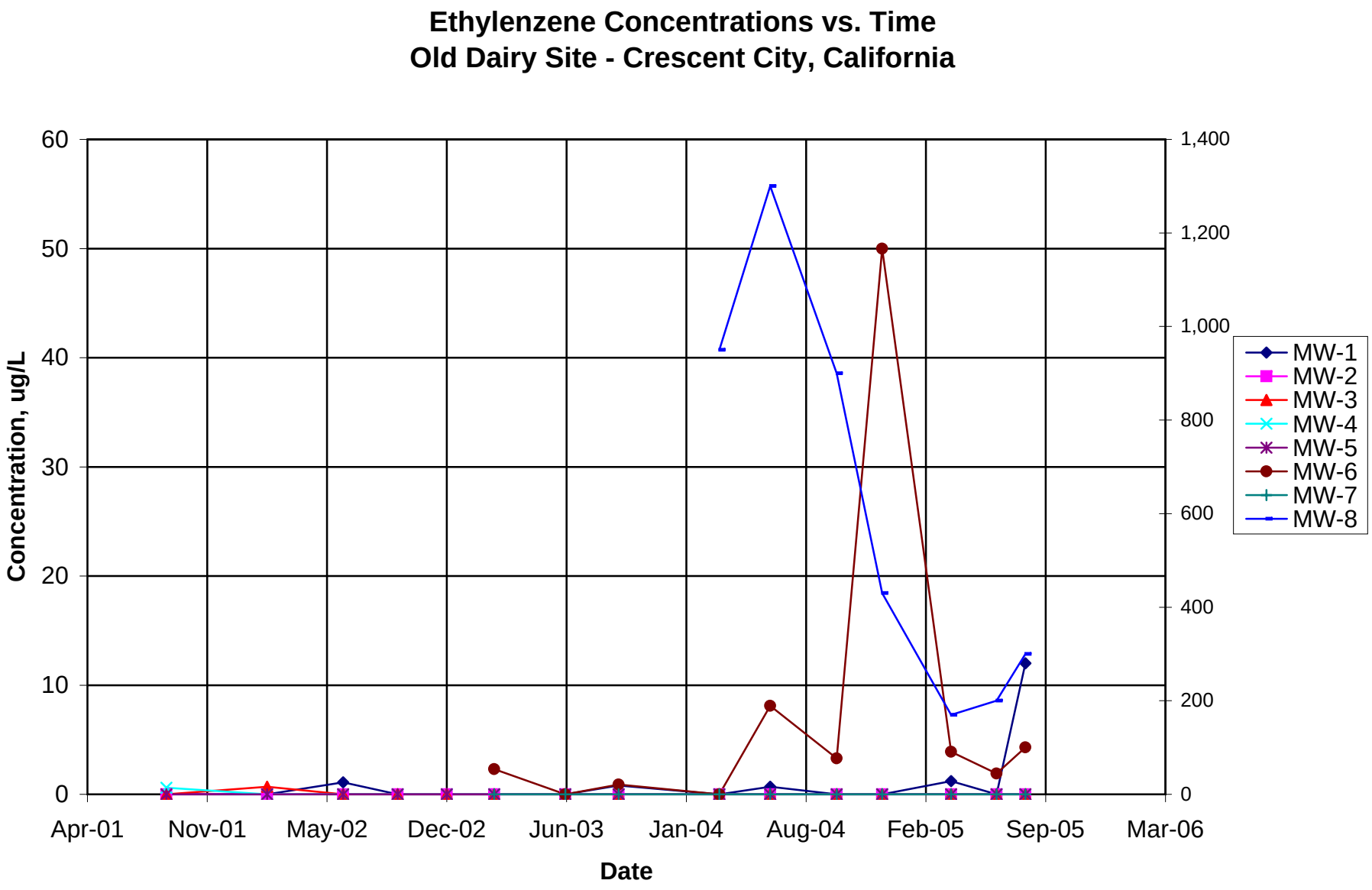
MW-8 is plotted on right axis.


TPH-Diesel Concentrations vs. Time
Old Dairy Site - Crescent City, California
Concentration, ug/L
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Date
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8

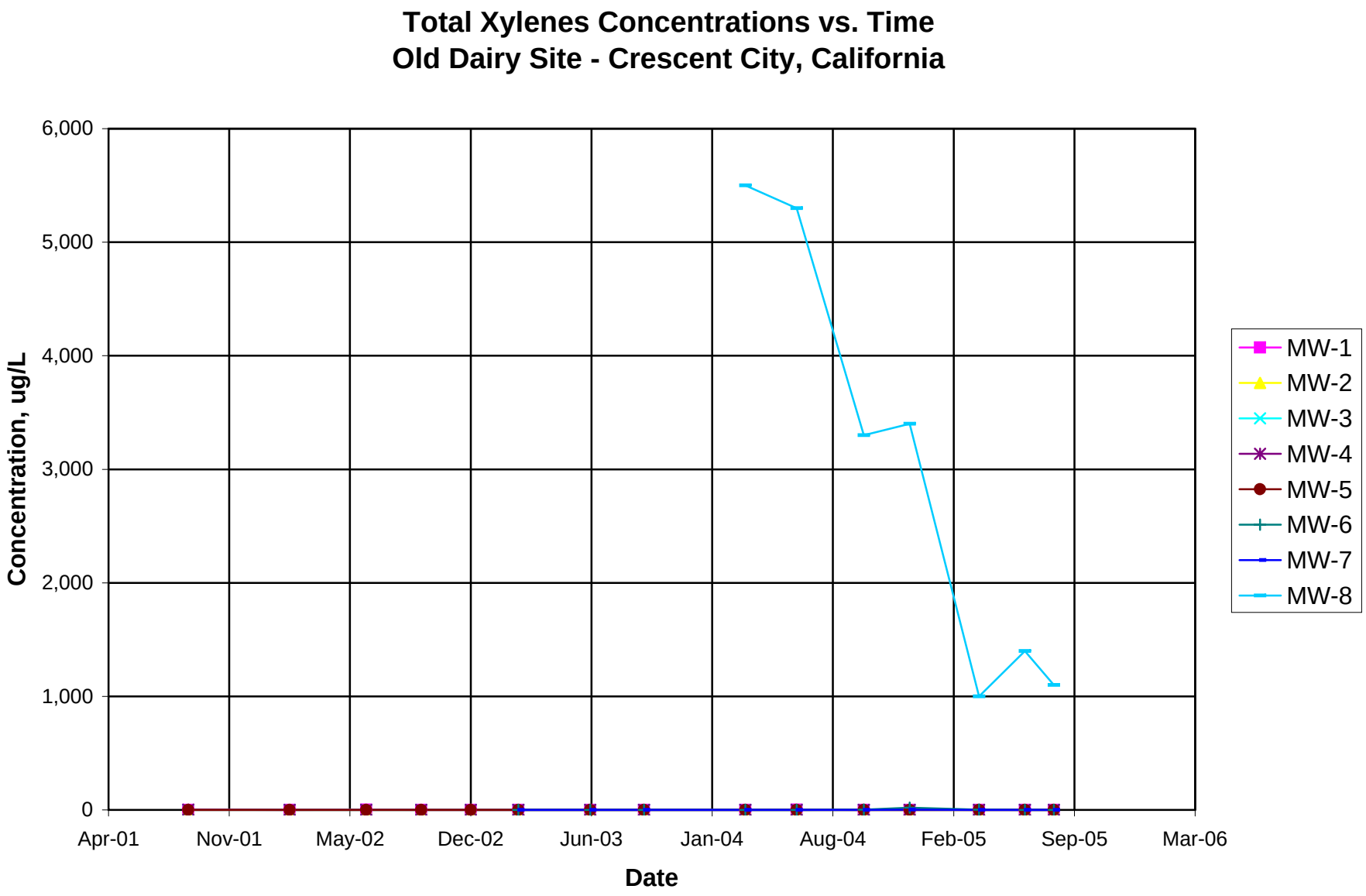


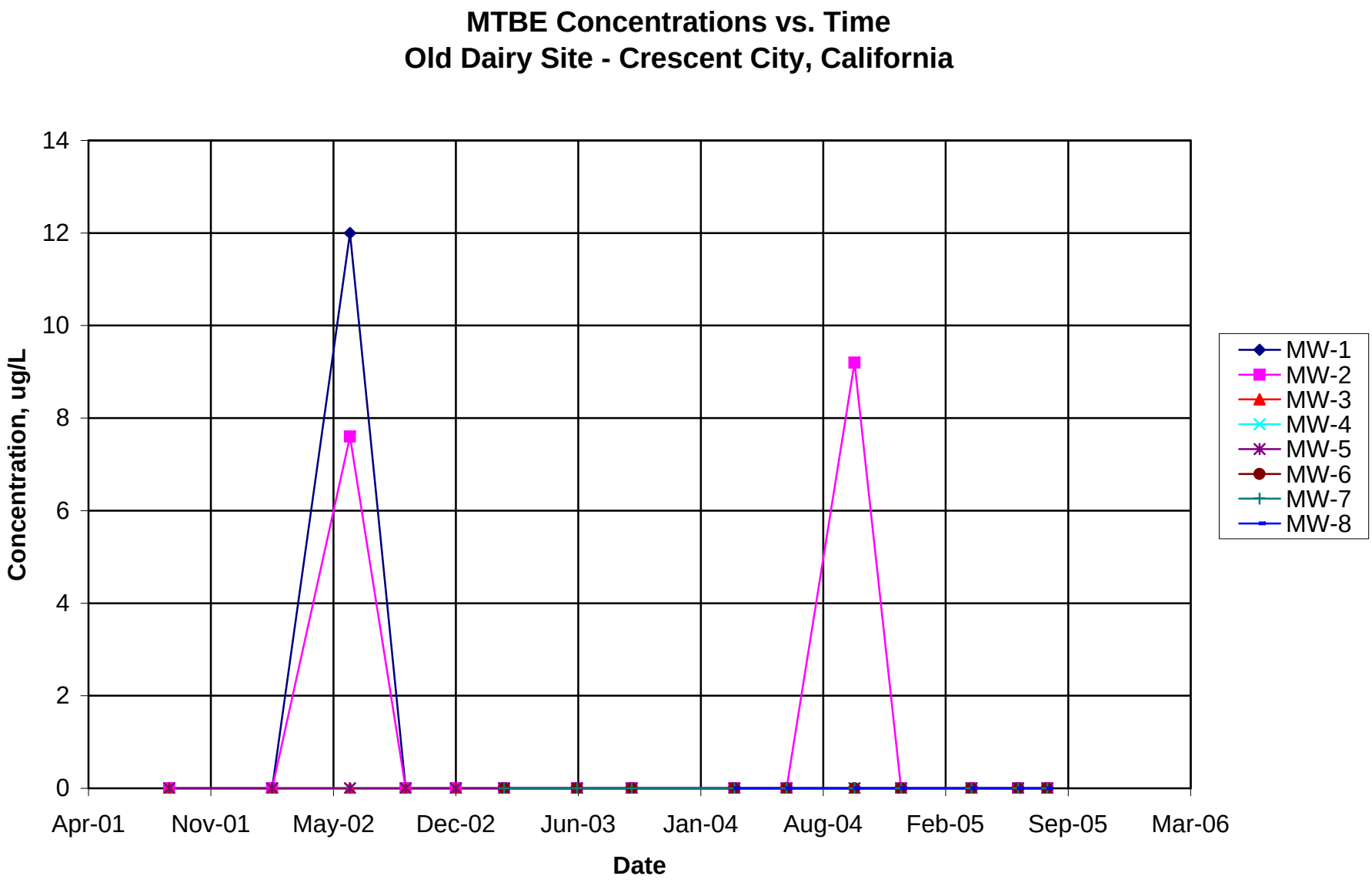
MW-8 is plotted on right axis.

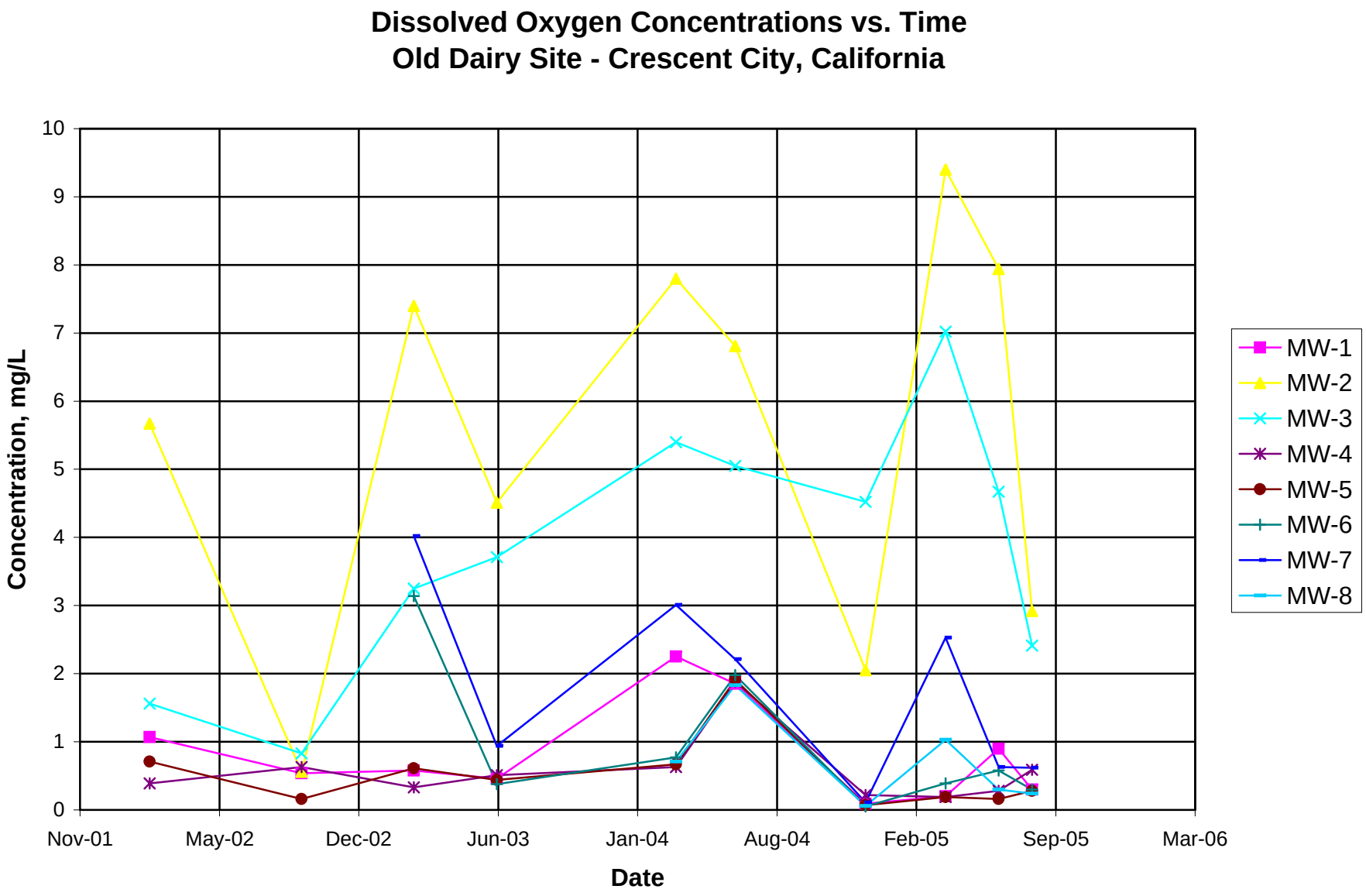

Toluene Concentrations vs. Time
Old Dairy Site - Crescent City, California
Concentration, ug/L
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Date
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8

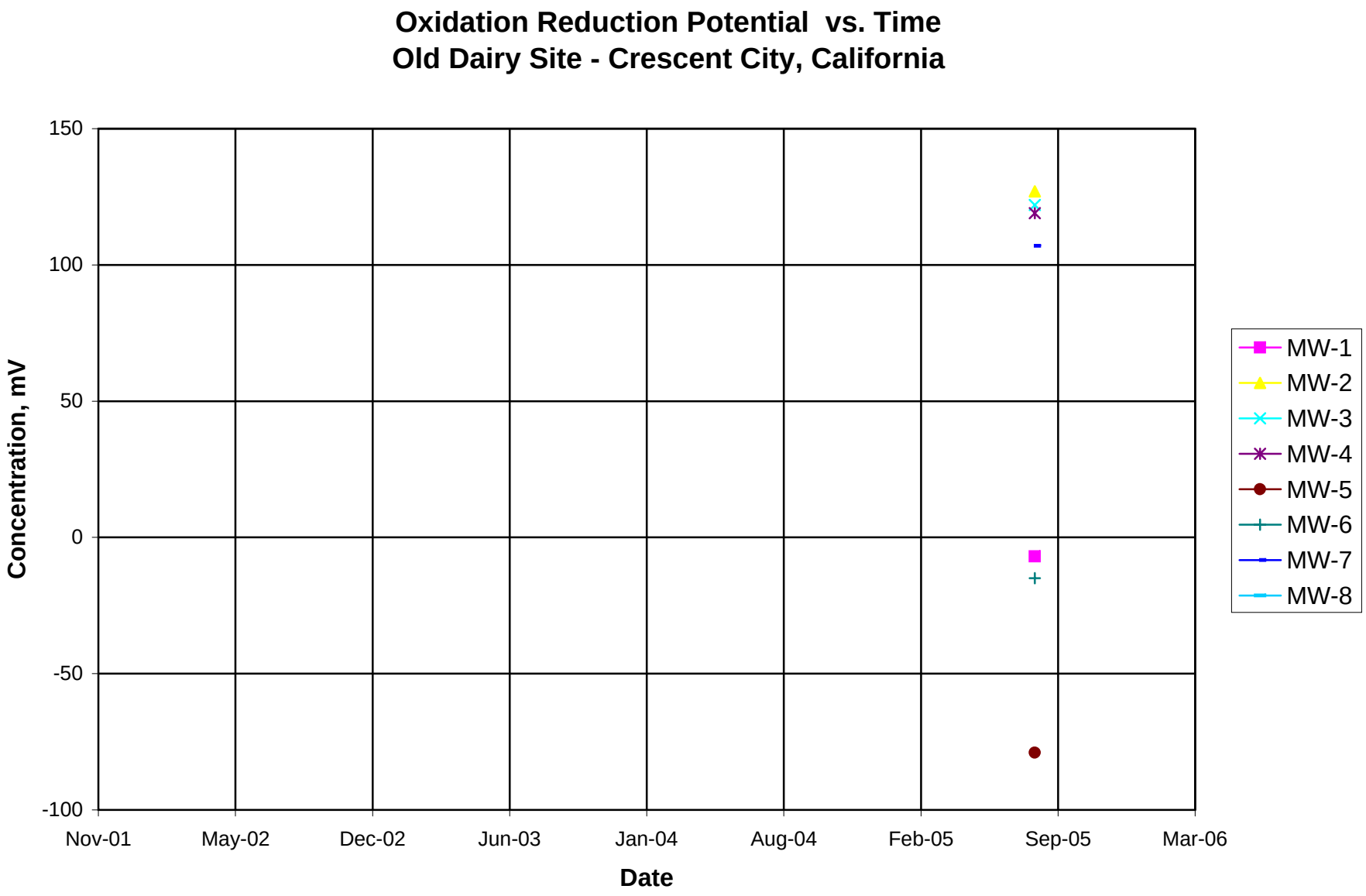


MW-8 is plotted on right axis.


Total Xylenes Concentrations vs. Time
Old Dairy Site - Crescent City, California
Concentration, ug/L
6,000
5,000
4,000
3,000
2,000
1,000
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Date
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8


MTBE Concentrations vs. Time
Old Dairy Site - Crescent City, California
Concentration, ug/L
14
12
10
8
6
4
2
0
Apr-01
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Date
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8


Dissolved Oxygen Concentrations vs. Time
Old Dairy Site - Crescent City, California
Concentration, mg/L
10
9
8
7
6
5
4
3
2
1
0
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Date
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8


Oxidation Reduction Potential vs. Time
Old Dairy Site - Crescent City, California
150
100
50
0
-50
-100
Concentration, mV
Nov-01
May-02
Dec-02
Jun-03
Jan-04
Aug-04
Feb-05
Sep-05
Mar-06
Date
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8

Attachment B

Laboratory Reports, Chromatograms, & Chain-of-Custody Form

Laboratory Report Project Overview

EDF 1.2a

Laboratory:	Shasta Analytical Laboratory, Inc., Redding, CA
Lab Report Number:	OLD DAIRY
Project Name:	OLD DAIRY PLANT
Work Order Number:	003003.
Control Sheet Number:	T0601500101

Case Narrative

Shasta Analytical Laboratory, Inc., Redding, CA

Report Date:	08/11/2005	Project:	OLD DAIRY PLANT
Report Number:	OLD DAIRY	Order #:	003003.

Project Name: Old Dairy - Crescent City
Job No.: 003003.00 Task 4

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Samples were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Shasta Analytical is certified by the State of California Department of Health Services (DOHS #1971). If you have any questions regarding these results, please call me at (530)226-5400.

Please note that since Bunker Oil C is no longer made, a standard is not available. Thus, the analysis for Bunker Oil C (also known as Fuel Oil #6) was made by comparing the sample chromatogram to that of a motor oil standard. Bunker Oil C elutes in a volatility range most similar to that of motor oil.

Sincerely,

Lynn Coster
Laboratory Director

Approved by: Lynn Coster Date: 8/11/05

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
OLD DAIRY	MW-1	51805	W	CS	8260FA	SW5030B	08/02/2005	08/08/2005	08/08/2005	8260-0808	1
OLD DAIRY	MW-1	51805	W	CS	CATPH-D	SW3510C	08/02/2005	08/08/2005	08/08/2005	8015D-0808	1
OLD DAIRY	MW-1	51805	W	CS	SW8020F	SW5030B	08/02/2005	08/08/2005	08/08/2005	8020-0808	1
OLD DAIRY	MW-2	51806	W	CS	8260FA	SW5030B	08/02/2005	08/08/2005	08/08/2005	8260-0808	1
OLD DAIRY	MW-2	51806	W	CS	CATPH-D	SW3510C	08/02/2005	08/08/2005	08/08/2005	8015D-0808	1
OLD DAIRY	MW-2	51806	W	CS	SW8020F	SW5030B	08/02/2005	08/08/2005	08/08/2005	8020-0808	1
OLD DAIRY	MW-3	51807	W	CS	8260FA	SW5030B	08/02/2005	08/08/2005	08/08/2005	8260-0808	1
OLD DAIRY	MW-3	51807	W	CS	CATPH-D	SW3510C	08/02/2005	08/08/2005	08/08/2005	8015D-0808	1
OLD DAIRY	MW-3	51807	W	CS	SW8020F	SW5030B	08/02/2005	08/08/2005	08/08/2005	8020-0808	1
OLD DAIRY	MW-4	51808	W	CS	8260FA	SW5030B	08/02/2005	08/08/2005	08/08/2005	8260-0808	1
OLD DAIRY	MW-4	51808	W	CS	CATPH-D	SW3510C	08/02/2005	08/08/2005	08/08/2005	8015D-0808	1
OLD DAIRY	MW-4	51808	W	CS	SW8020F	SW5030B	08/02/2005	08/08/2005	08/08/2005	8020-0808	1
OLD DAIRY	MW-5	51809	W	CS	8260FA	SW5030B	08/02/2005	08/08/2005	08/08/2005	8260-0808	1
OLD DAIRY	MW-5	51809	W	CS	CATPH-D	SW3510C	08/02/2005	08/08/2005	08/08/2005	8015D-0808	1
OLD DAIRY	MW-5	51809	W	CS	SW8020F	SW5030B	08/02/2005	08/08/2005	08/08/2005	8020-0808	1
OLD DAIRY	MW-6	51810	W	CS	8260FA	SW5030B	08/02/2005	08/08/2005	08/08/2005	8260-0808	1
OLD DAIRY	MW-6	51810	W	CS	CATPH-D	SW3510C	08/02/2005	08/08/2005	08/08/2005	8015D-0808	1
OLD DAIRY	MW-6	51810	W	CS	SW8020F	SW5030B	08/02/2005	08/08/2005	08/08/2005	8020-0808	1
OLD DAIRY	MW-7	51811	W	CS	8260FA	SW5030B	08/02/2005	08/08/2005	08/08/2005	8260-0808	1

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
OLD DAIRY	MW-7	51811	W	CS	CATPH-D	SW3510C	08/02/2005	08/08/2005	08/08/2005	8015D-0808	1
OLD DAIRY	MW-7	51811	W	CS	SW8020F	SW5030B	08/02/2005	08/08/2005	08/08/2005	8020-0808	1
OLD DAIRY	MW-8	51812	W	CS	8260FA	SW5030B	08/02/2005	08/08/2005	08/08/2005	8260-0808	1
OLD DAIRY	MW-8	51812	W	CS	CATPH-D	SW3510C	08/02/2005	08/08/2005	08/08/2005	8015D-0808	1
OLD DAIRY	MW-8	51812	W	CS	SW8020F	SW5030B	08/02/2005	08/08/2005	08/08/2005	8020-0808	1
		51814	W	NC	SW8020F	SW5030B	/ /	08/08/2005	08/08/2005	8020-0808	1
		LCSD-0808	W	BD1	CATPH-D	SW3510C	/ /	08/08/2005	08/08/2005	8015D-0808	1
		LCS-0808	W	BS1	8260FA	SW5030B	/ /	08/08/2005	08/08/2005	8260-0808	1
		LCS-0808	W	BS1	CATPH-D	SW3510C	/ /	08/08/2005	08/08/2005	8015D-0808	1
		LCS-0808	W	BS1	SW8020F	SW5030B	/ /	08/08/2005	08/08/2005	8020-0808	1
		MB-0808	W	LB1	8260FA	SW5030B	/ /	08/08/2005	08/08/2005	8260-0808	1
		MB-0808	W	LB1	CATPH-D	SW3510C	/ /	08/08/2005	08/08/2005	8015D-0808	1
		MB-0808	W	LB1	SW8020F	SW5030B	/ /	08/08/2005	08/08/2005	8020-0808	1
		51805	W	MS1	8260FA	SW5030B	/ /	08/08/2005	08/08/2005	8260-0808	1
		51814	W	MS1	SW8020F	SW5030B	/ /	08/08/2005	08/08/2005	8020-0808	1
		51805	W	SD1	8260FA	SW5030B	/ /	08/08/2005	08/08/2005	8260-0808	1
		51814	W	SD1	SW8020F	SW5030B	/ /	08/08/2005	08/08/2005	8020-0808	1

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	003003.	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	MW-1	Lab Samp ID:	51805
Descr/Location:	MW-1	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1415	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8260-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	5.0	5.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	5.0	5.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	5.0	5.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	5.0	5.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	10.	10.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SBSA		88%		1
Toluene-d8		70-130	SBSA		95%		1
Dibromofluoromethane		70-130	SBSA		93%		1

Approved by: Glynn Castles Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	003003.	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	51806
Descr/Location:	MW-2	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1205	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8260-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	5.0	5.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	5.0	5.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	5.0	5.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	5.0	5.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	10.	10.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SBSA		90%		1
Toluene-d8		70-130	SBSA		92%		1
Dibromofluoromethane		70-130	SBSA		93%		1

Approved by: [signature] Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	003003.	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	MW-3	Lab Samp ID:	51807
Descr/Location:	MW-3	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1225	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8260-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	5.0	5.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	5.0	5.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	5.0	5.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	5.0	5.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	10.	10.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SBSA		89%		1
Toluene-d8		70-130	SBSA		93%		1
Dibromofluoromethane		70-130	SBSA		93%		1

Approved by: Lynn Carter Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	003003.	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	MW-4	Lab Samp ID:	51808
Descr/Location:	MW-4	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1245	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8260-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	5.0	5.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	5.0	5.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	5.0	5.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	5.0	5.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	10.	10.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SBSA		88%		1
Toluene-d8		70-130	SBSA		93%		1
Dibromofluoromethane		70-130	SBSA		91%		1

Approved by: Lynn Cossen Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	003003.	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	MW-5	Lab Samp ID:	51809
Descr/Location:	MW-5	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1300	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8260-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	5.0	5.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	5.0	5.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	5.0	5.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	5.0	5.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	10.	10.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SBSA		90%		1
Toluene-d8		70-130	SBSA		93%		1
Dibromofluoromethane		70-130	SBSA		98%		1

Approved by: Lynn Coates Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	003003.	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	MW-6	Lab Samp ID:	51810
Descr/Location:	MW-6	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1340	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8260-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	5.0	5.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	5.0	5.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	5.0	5.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	5.0	5.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	10.	10.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SBSA		91%		1
Toluene-d8		70-130	SBSA		94%		1
Dibromofluoromethane		70-130	SBSA		95%		1

Approved by: Lynn Cassin Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	003003.	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	MW-7	Lab Samp ID:	51811
Descr/Location:	MW-7	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1325	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8260-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	5.0	5.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	5.0	5.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	5.0	5.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	5.0	5.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	10.	10.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SBSA		91%		1
Toluene-d8		70-130	SBSA		92%		1
Dibromofluoromethane		70-130	SBSA		101%		1

Approved by: Lynn Carlen Date: 8/11/05

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	003003.	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	MW-8	Lab Samp ID:	51812
Descr/Location:	MW-8	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1435	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8260-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	5.0	5.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	5.0	5.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	5.0	5.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	5.0	5.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	10.	10.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SBSA		93%		1
Toluene-d8		70-130	SBSA		94%		1
Dibromofluoromethane		70-130	SBSA		91%		1

Approved by: Lynn Cantin Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	CA LUFT Method for Diesel Range Organics
Project No:	003003.	Method:	CATPH-D
		Prep Meth:	SW3510C

Field ID:	MW-1	Lab Samp ID:	51805
Descr/Location:	MW-1	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1415	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8015D-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Motor Oil (C24-C36)	0.175	0.175	PQL		ND	MG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1

Approved by: Lynn Cosier Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	CA LUFT Method for Diesel Range Organics
Project No:	003003.	Method:	CATPH-D
		Prep Meth:	SW3510C

Field ID:	MW-2	Lab Samp ID:	51806
Descr/Location:	MW-2	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1205	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8015D-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Motor Oil (C24-C36)	0.175	0.175	PQL		ND	MG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1

Approved by: Lynn Castles Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	CA LUFT Method for Diesel Range Organics
Project No:	003003.	Method:	CATPH-D
		Prep Meth:	SW3510C

Field ID:	MW-3	Lab Samp ID:	51807
Descr/Location:	MW-3	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1225	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8015D-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Motor Oil (C24-C36)	0.175	0.175	PQL		ND	MG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1

Approved by: Lynn Castles Date: 8/11/05

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	CA LUFT Method for Diesel Range Organics
Project No:	003003.	Method:	CATPH-D
		Prep Meth:	SW3510C

Field ID:	MW-4	Lab Samp ID:	51808
Descr/Location:	MW-4	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1245	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8015D-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Motor Oil (C24-C36)	0.175	0.175	PQL		ND	MG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1

Approved by: [signature] Date: 8/11/05

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	CA LUFT Method for Diesel Range Organics
Project No:	003003.	Method:	CATPH-D
		Prep Meth:	SW3510C

Field ID:	MW-5	Lab Samp ID:	51809
Descr/Location:	MW-5	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1300	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8015D-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Motor Oil (C24-C36)	0.175	0.175	PQL		ND	MG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1

Approved by: Lynn Carter Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	CA LUFT Method for Diesel Range Organics
Project No:	003003.	Method:	CATPH-D
		Prep Meth:	SW3510C

Field ID:	MW-6	Lab Samp ID:	51810
Descr/Location:	MW-6	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1340	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8015D-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Fuel Oil No. 6 (BUNKER C)	0.175	0.175	PQL		ND	MG/L	1
Motor Oil (C24-C36)	0.175	0.175	PQL		ND	MG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1

Approved by: Lynn Castles Date: 8/11/05

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	CA LUFT Method for Diesel Range Organics
Project No:	003003.	Method:	CATPH-D
		Prep Meth:	SW3510C

Field ID:	MW-7	Lab Samp ID:	51811
Descr/Location:	MW-7	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1325	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8015D-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Fuel Oil No. 6 (BUNKER C)	0.175	0.175	PQL		ND	MG/L	1
Motor Oil (C24-C36)	0.175	0.175	PQL		ND	MG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1

Approved by: Lynn Cooler Date: 8/11/05

Project Name:	OLD DAIRY PLANT	Analysis:	CA LUFT Method for Diesel Range Organics
Project No:	003003.	Method:	CATPH-D
		Prep Meth:	SW3510C

Field ID:	MW-8	Lab Samp ID:	51812
Descr/Location:	MW-8	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1435	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8015D-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Motor Oil (C24-C36)	0.175	0.175	PQL		ND	MG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1

Approved by: [signature] Date: 8/11/05

Project Name:	OLD DAIRY PLANT	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	003003.	Method:	SW8020F
		Prep Meth:	SW5030B

Field ID:	MW-1	Lab Samp ID:	51805
Descr/Location:	MW-1	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1415	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8020-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.5	2.5	PQL		ND	UG/L	5
Toluene	0.5	2.5	PQL		ND	UG/L	5
Ethylbenzene	0.5	2.5	PQL		12	UG/L	5
Xylenes	1.0	5.0	PQL		ND	UG/L	5
Total Petroleum Hydrocarbons (TPH)	0.05	0.25	PQL		1.0	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Trifluorotoluene		70-130	SBSA		111%		5

Approved by: Lynn Carter Date: 8/11/05

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	003003.	Method:	SW8020F
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	51806
Descr/Location:	MW-2	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1205	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8020-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.5	0.5	PQL		ND	UG/L	1
Toluene	0.5	0.5	PQL		ND	UG/L	1
Ethylbenzene	0.5	0.5	PQL		ND	UG/L	1
Xylenes	1.0	1.0	PQL		ND	UG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Trifluorotoluene		70-130	SBSA		92%		1

Approved by: Glynn Castles Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	003003.	Method:	SW8020F
		Prep Meth:	SW5030B

Field ID:	MW-3	Lab Samp ID:	51807
Descr/Location:	MW-3	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1225	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8020-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.5	0.5	PQL		ND	UG/L	1
Toluene	0.5	0.5	PQL		ND	UG/L	1
Ethylbenzene	0.5	0.5	PQL		ND	UG/L	1
Xylenes	1.0	1.0	PQL		ND	UG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Trifluorotoluene		70-130	SBSA		95%		1

Approved by: Lynn Castles Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	003003.	Method:	SW8020F
		Prep Meth:	SW5030B

Field ID:	MW-4	Lab Samp ID:	51808
Descr/Location:	MW-4	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1245	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8020-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.5	0.5	PQL		ND	UG/L	1
Toluene	0.5	0.5	PQL		ND	UG/L	1
Ethylbenzene	0.5	0.5	PQL		ND	UG/L	1
Xylenes	1.0	1.0	PQL		ND	UG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Trifluorotoluene		70-130	SBSA		98%		1

Approved by: Lynn Cosio Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	003003.	Method:	SW8020F
		Prep Meth:	SW5030B

Field ID:	MW-5	Lab Samp ID:	51809
Descr/Location:	MW-5	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1300	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8020-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.5	0.5	PQL		ND	UG/L	1
Toluene	0.5	0.5	PQL		ND	UG/L	1
Ethylbenzene	0.5	0.5	PQL		ND	UG/L	1
Xylenes	1.0	1.0	PQL		ND	UG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Trifluorotoluene		70-130	SBSA		95%		1

Approved by: Lynn Carter Date: 8/11/05

Project Name:	OLD DAIRY PLANT	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	003003.	Method:	SW8020F
		Prep Meth:	SW5030B

Field ID:	MW-6	Lab Samp ID:	51810
Descr/Location:	MW-6	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1340	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8020-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.5	0.5	PQL		4.5	UG/L	1
Toluene	0.5	0.5	PQL		ND	UG/L	1
Ethylbenzene	0.5	0.5	PQL		4.3	UG/L	1
Xylenes	1.0	1.0	PQL		ND	UG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		0.51	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Trifluorotoluene		70-130	SBSA		78%		1

Approved by: Lynn Castles Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	003003.	Method:	SW8020F
		Prep Meth:	SW5030B

Field ID:	MW-7	Lab Samp ID:	51811
Descr/Location:	MW-7	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1325	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8020-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.5	0.5	PQL		ND	UG/L	1
Toluene	0.5	0.5	PQL		ND	UG/L	1
Ethylbenzene	0.5	0.5	PQL		ND	UG/L	1
Xylenes	1.0	1.0	PQL		ND	UG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Trifluorotoluene		70-130	SBSA		87%		1

Approved by: Jason Castle Date: 8/11/05

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

Project Name:	OLD DAIRY PLANT	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	003003.	Method:	SW8020F
		Prep Meth:	SW5030B

Field ID:	MW-8	Lab Samp ID:	51812
Descr/Location:	MW-8	Rec'd Date:	08/04/2005
Sample Date:	08/02/2005	Prep Date:	08/08/2005
Sample Time:	1435	Analysis Date:	08/08/2005
Matrix:	Water	QC Batch:	8020-0808
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.5	12.5	PQL		63.	UG/L	25
Toluene	0.5	12.5	PQL		1200.	UG/L	25
Ethylbenzene	0.5	12.5	PQL		300.	UG/L	25
Xylenes	1.0	25.	PQL		1100.	UG/L	25
Total Petroleum Hydrocarbons (TPH)	0.05	1.25	PQL		11.	MG/L	25
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Trifluorotoluene		70-130	SBSA		95%		25

Approved by: Lynn Costa Date: 8/11/05

QA/QC Report
Method Blank Summary

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

QC Batch:	8015D-0808	Analysis:	CA LUFT Method for Diesel Range Organics
Matrix:	Water	Method:	CATPH-D
Lab Samp ID:	MB-0808	Prep Meth:	SW3510C
Analysis Date:	08/08/2005	Prep Date:	08/08/2005
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1

QA/QC Report
Blank Spike/Duplicate Blank Spike Summary

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

QC Batch: 8015D-0808
Matrix: Water
Lab Samp ID: LCS-0808

Analyte	Analysis Method	Spike Level LCS	Spike Level LCD	Spike Result LCS	Spike Result LCD	Units	% Recoveries LCS	% Recoveries LCD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria RPD
Total Petroleum Hydrocarbons (TPH) (C10-C22)	CATPH-D	0.83	0.83	0.60	0.60	MG/L	72.3	72.3	0.00	130-70 LSA	30LSP

QA/QC Report
Method Blank Summary

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

QC Batch:	8020-0808	Analysis:	BTEX/Gasoline Range Organics
Matrix:	Water	Method:	SW8020F
Lab Samp ID:	MB-0808	Prep Meth:	SW5030B
Analysis Date:	08/08/2005	Prep Date:	08/08/2005
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.5	0.5	PQL		ND	UG/L	1
Toluene	0.5	0.5	PQL		ND	UG/L	1
Ethylbenzene	0.5	0.5	PQL		ND	UG/L	1
Xylenes	1.0	1.0	PQL		ND	UG/L	1
Total Petroleum Hydrocarbons (TPH)	0.05	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Trifluorotoluene		70-130	SBSA		94%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

QC Batch: 8020-0808
Matrix: Water
Lab Samp ID: 51814
Basis: Not Filtered

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 51814

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
Benzene	SW8020F	10.0	10.0	ND	7.1	7.3	UG/L	71.0	73.0	2.8	130-70	LSA	30LSP
Ethylbenzene	SW8020F	10.0	10.0	ND	9.7	10.0	UG/L	97.0	100	3.0	130-70	LSA	30LSP
Toluene	SW8020F	10.0	10.0	ND	8.8	9.1	UG/L	88.0	91.0	3.4	130-70	LSA	30LSP
Total Petroleum Hydrocarbons (TPH)	SW8020F	0.142	0.142	ND	0.182	0.170	MG/L	128	120	6.5	130-70	LSA	30LSP
Trifluorotoluene	SW8020F	100.	100.	92.	95.	95.	PERCENT	95.0	95.0	0.00	130-70	SBSA	NA

QA/QC Report
Blank Spike/Duplicate Blank Spike Summary

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

QC Batch: 8020-0808
Matrix: Water
Lab Samp ID: LCS-0808

Analyte	Analysis Method	Spike Level LCS	Spike Level LCD	Spike Result LCS	Spike Result LCD	Units	% Recoveries LCS	% Recoveries LCD	% Recoveries RPD	Acceptance Criteria %Rec		Acceptance Criteria RPD
Benzene	SW8020F	10.0	NA	7.6	NA	UG/L	76.0	NA	NA	130-70	LSA	NA
Ethylbenzene	SW8020F	10.0	NA	8.0	NA	UG/L	80.0	NA	NA	130-70	LSA	NA
Toluene	SW8020F	10.0	NA	7.7	NA	UG/L	77.0	NA	NA	130-70	LSA	NA
Total Petroleum Hydrocarbons (TPH) (C5-C12)	SW8020F	0.142	NA	0.164	NA	MG/L	115	NA	NA	130-70	LSA	NA
Trifluorotoluene	SW8020F	100.	NA	78.	NA	PERCENT	78.0	NA	NA	130-70	SBSA	NA

QA/QC Report
Method Blank Summary

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

QC Batch:	8260-0808	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Matrix:	Water	Method:	8260FA
Lab Samp ID:	MB-0808	Prep Meth:	SW5030B
Analysis Date:	08/08/2005	Prep Date:	08/08/2005
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	5.0	5.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	5.0	5.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	5.0	5.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	5.0	5.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	10.	10.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SBSA		91%		1
Toluene-d8		70-130	SBSA		93%		1
Dibromofluoromethane		70-130	SBSA		86%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

QC Batch: 8260-0808
Matrix: Water
Lab Samp ID: 51805
Basis: Not Filtered

Project Name: OLD DAIRY PLANT
Project No.: 003003.
Field ID: MW-1
Lab Ref ID: 51805

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
Di-isopropyl ether (DIPE)	8260FA	100.	100.	ND	82.	89.	UG/L	82.0	89.0	8.2	130-70	LSA	25LSP
Ethyl tert-butyl ether (ETBE)	8260FA	100.	100.	ND	86.	93.	UG/L	86.0	93.0	7.8	130-70	LSA	25LSP
Methyl-tert-butyl ether (MTBE)	8260FA	100.	100.	ND	92.	97.	UG/L	92.0	97.0	5.3	130-70	LSA	25LSP
tert-Amyl methyl ether (TAME)	8260FA	100.	100.	ND	94.	99.	UG/L	94.0	99.0	5.2	130-70	LSA	25LSP
tert-Butyl alcohol (TBA)	8260FA	500.	500.	ND	583.	590.	UG/L	117	118	0.85	130-70	LSA	25LSP
4-Bromofluorobenzene	8260FA	100.	100.	88.	90.	89.	PERCENT	90.0	89.0	1.1	130-70	SBSA	NA
Dibromofluoromethane	8260FA	100.	100.	93.	90.	90.	PERCENT	90.0	90.0	0.00	130-70	SBSA	NA
Toluene-d8	8260FA	100.	100.	95.	95.	94.	PERCENT	95.0	94.0	1.1	130-70	SBSA	NA

QA/QC Report
Blank Spike/Duplicate Blank Spike Summary

Shasta Analytical Laboratory, Inc., Redding, CA

Lab Report No.: OLD DAIRY Date: 08/11/2005

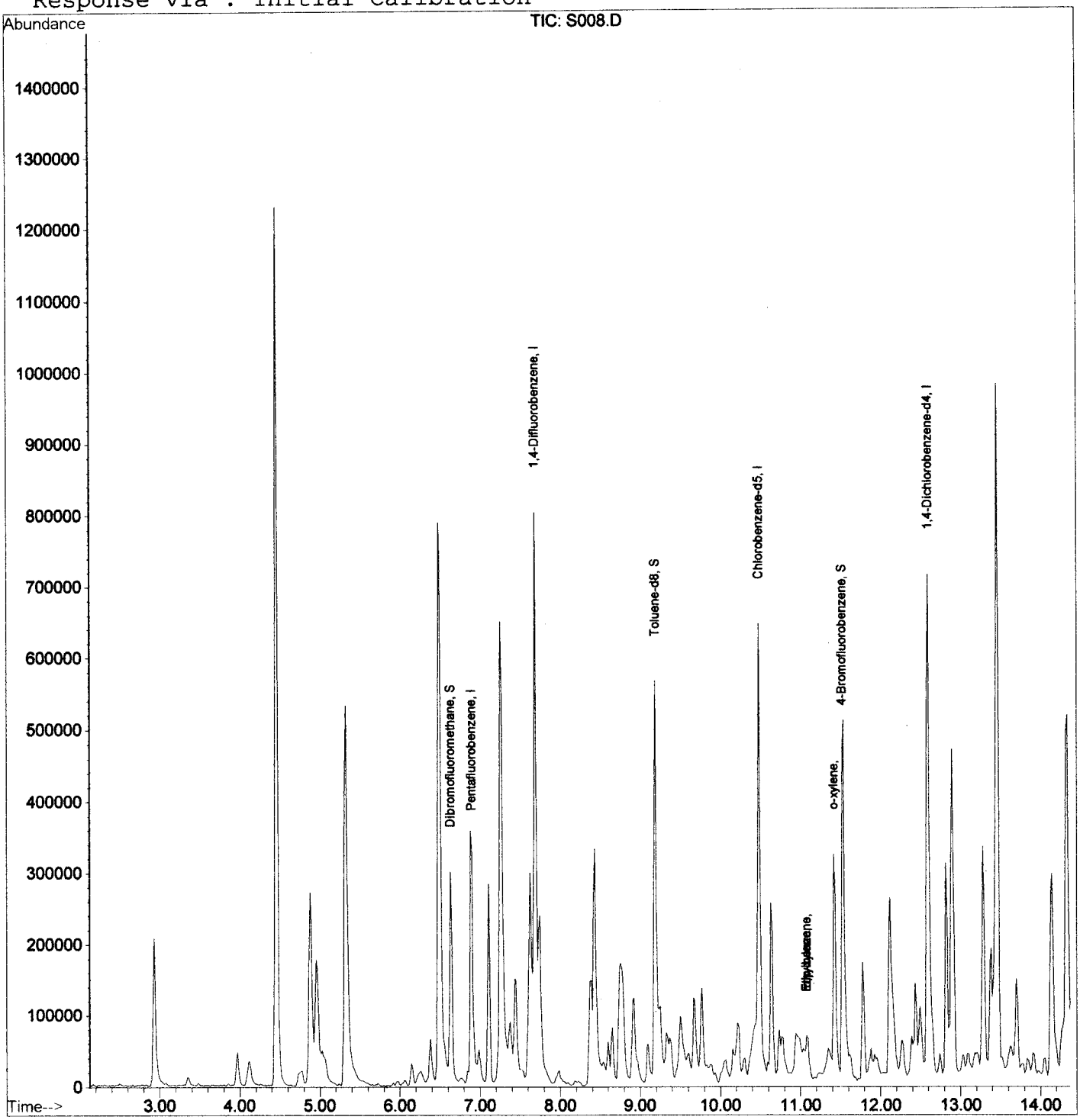
QC Batch: 8260-0808
Matrix: Water
Lab Samp ID: LCS-0808

Analyte	Analysis Method	Spike Level LCS	Spike Level LCD	Spike Result LCS	Spike Result LCD	Units	% Recoveries LCS	% Recoveries LCD	% Recoveries RPD	Acceptance Criteria %Rec		Acceptance Criteria RPD
Di-isopropyl ether (DIPE)	8260FA	100.	NA	77.	NA	UG/L	77.0	NA	NA	130-70	LSA	NA
Ethyl tert-butyl ether (ETBE)	8260FA	100.	NA	82.	NA	UG/L	82.0	NA	NA	130-70	LSA	NA
Methyl-tert-butyl ether (MTBE)	8260FA	100.	NA	87.	NA	UG/L	87.0	NA	NA	130-70	LSA	NA
tert-Amyl methyl ether (TAME)	8260FA	100.	NA	90.	NA	UG/L	90.0	NA	NA	130-70	LSA	NA
tert-Butyl alcohol (TBA)	8260FA	500.	NA	507.	NA	UG/L	101	NA	NA	130-70	LSA	NA
4-Bromofluorobenzene	8260FA	100.	NA	90.	NA	PERCENT	90.0	NA	NA	130-70	SBSA	NA
Dibromofluoromethane	8260FA	100.	NA	89.	NA	PERCENT	89.0	NA	NA	130-70	SBSA	NA
Toluene-d8	8260FA	100.	NA	93.	NA	PERCENT	93.0	NA	NA	130-70	SBSA	NA

Data File : C:\HPCHEM\1\DATA\080805\S008.D
Acq On : 8 Aug 2005 12:34 pm
Sample : 51805 5mL
Misc : EM = 1412 new tune, new K trap,flow = 30
MS Integration Params: RTEINT.P
Quant Time: Aug 8 17:15 19105

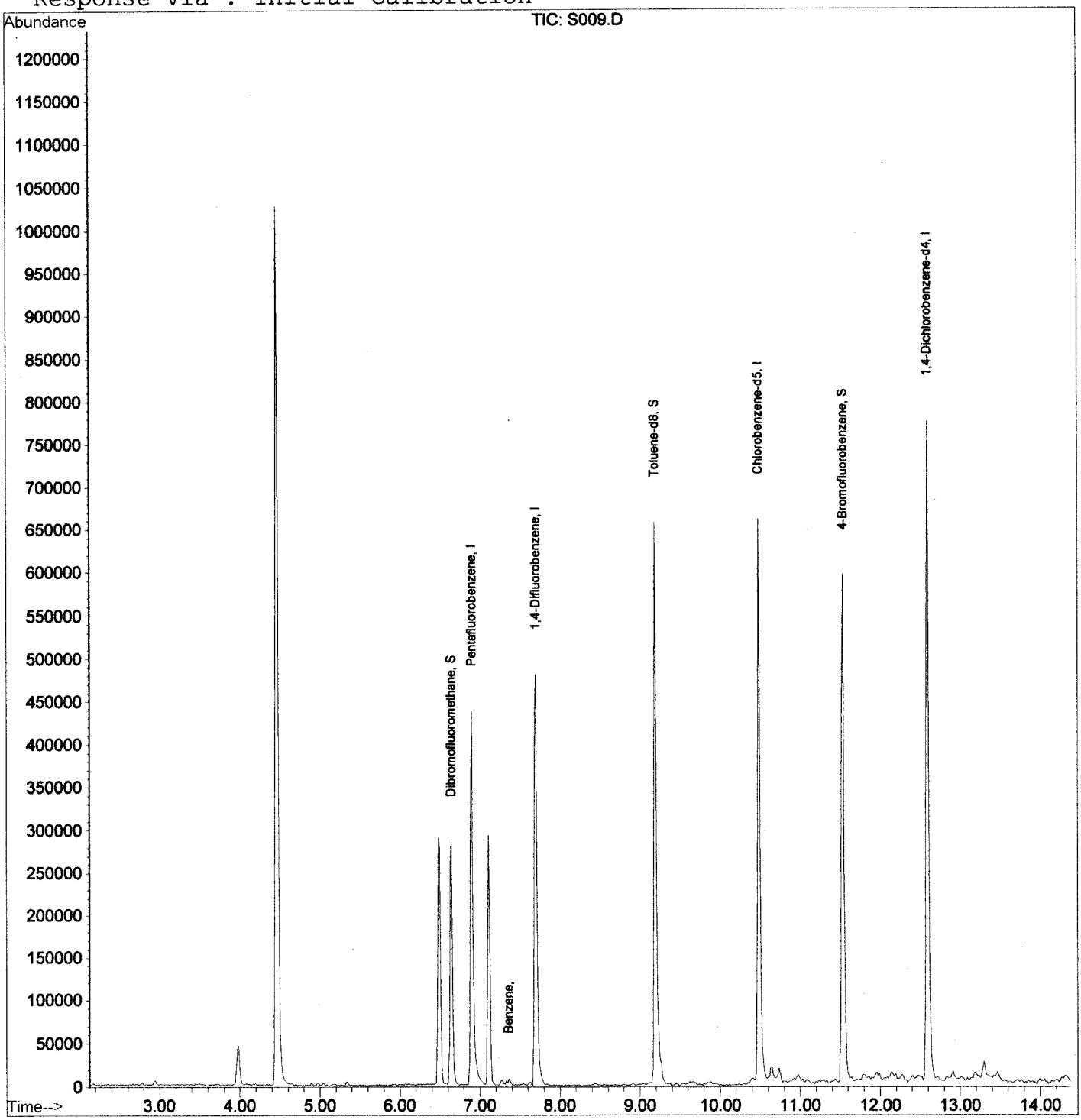
Vial: 8
Operator: Lynn
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: OXYBTEX5.RE

Method : C:\HPCHEM\1\METHODS\OXYBTEX5.M (RTE Integrator)
Title : 8260Mod. Oxygenate
Last Update : Fri May 06 10:20:36 2005
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\080805\S009.D Vial: 9
Acq On : 8 Aug 2005 1:04 pm Operator: Lynn
Sample : 51806 5mL Inst : GC/MS Ins
Misc : EM = 1412 new tune, new K trap,flow = 30 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 8 17:17 19105 Quant Results File: OXYBTEX5.RE

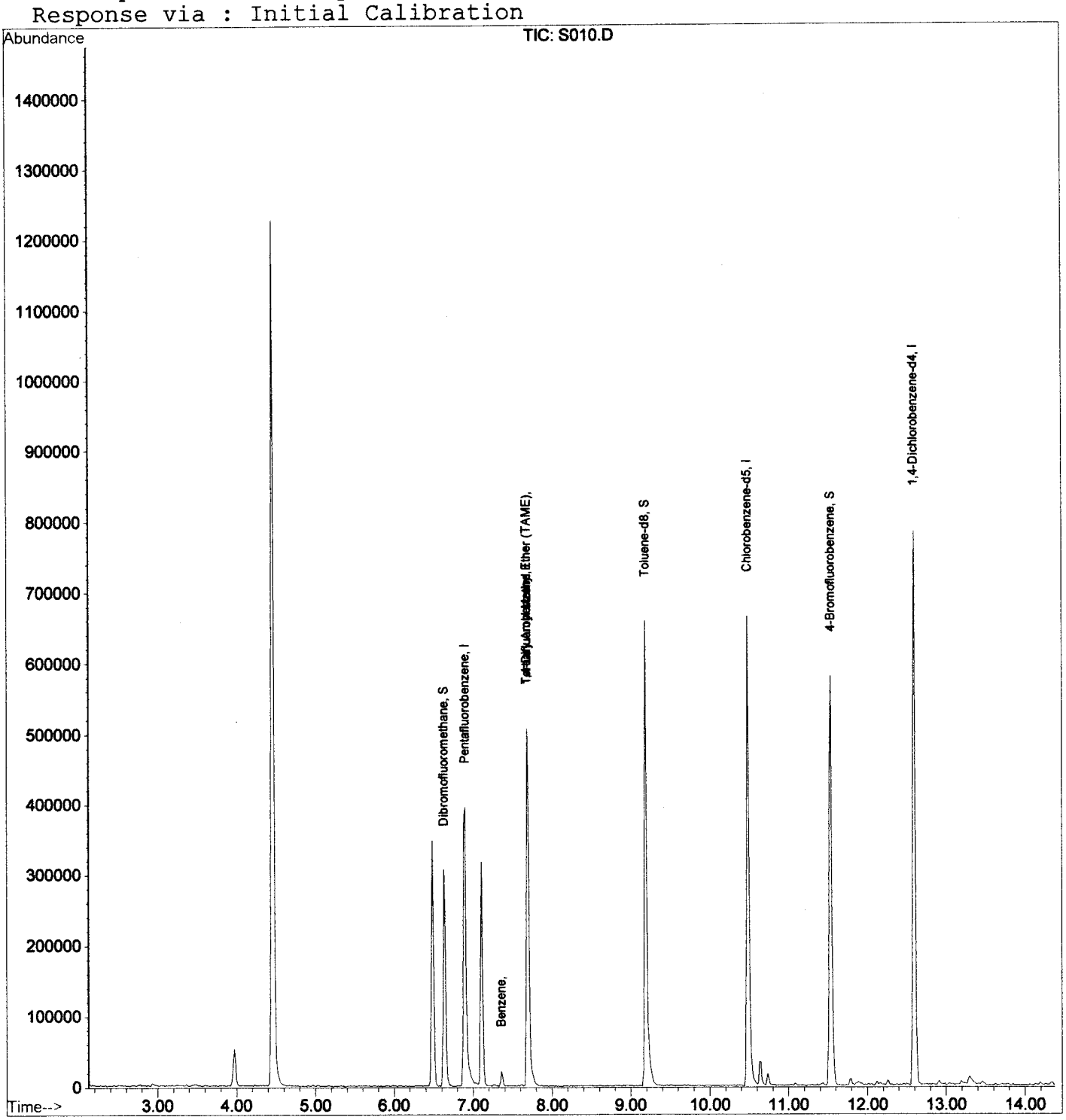
Method : C:\HPCHEM\1\METHODS\OXYBTEX5.M (RTE Integrator)
Title : 8260Mod. Oxygenate
Last Update : Fri May 06 10:20:36 2005
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\080805\S010.D
Acq On : 8 Aug 2005 1:35 pm
Sample : 51807 5mL
Misc : EM = 1412 new tune, new K trap,flow = 30
MS Integration Params: RTEINT.P
Quant Time: Aug 9 8:36 19105

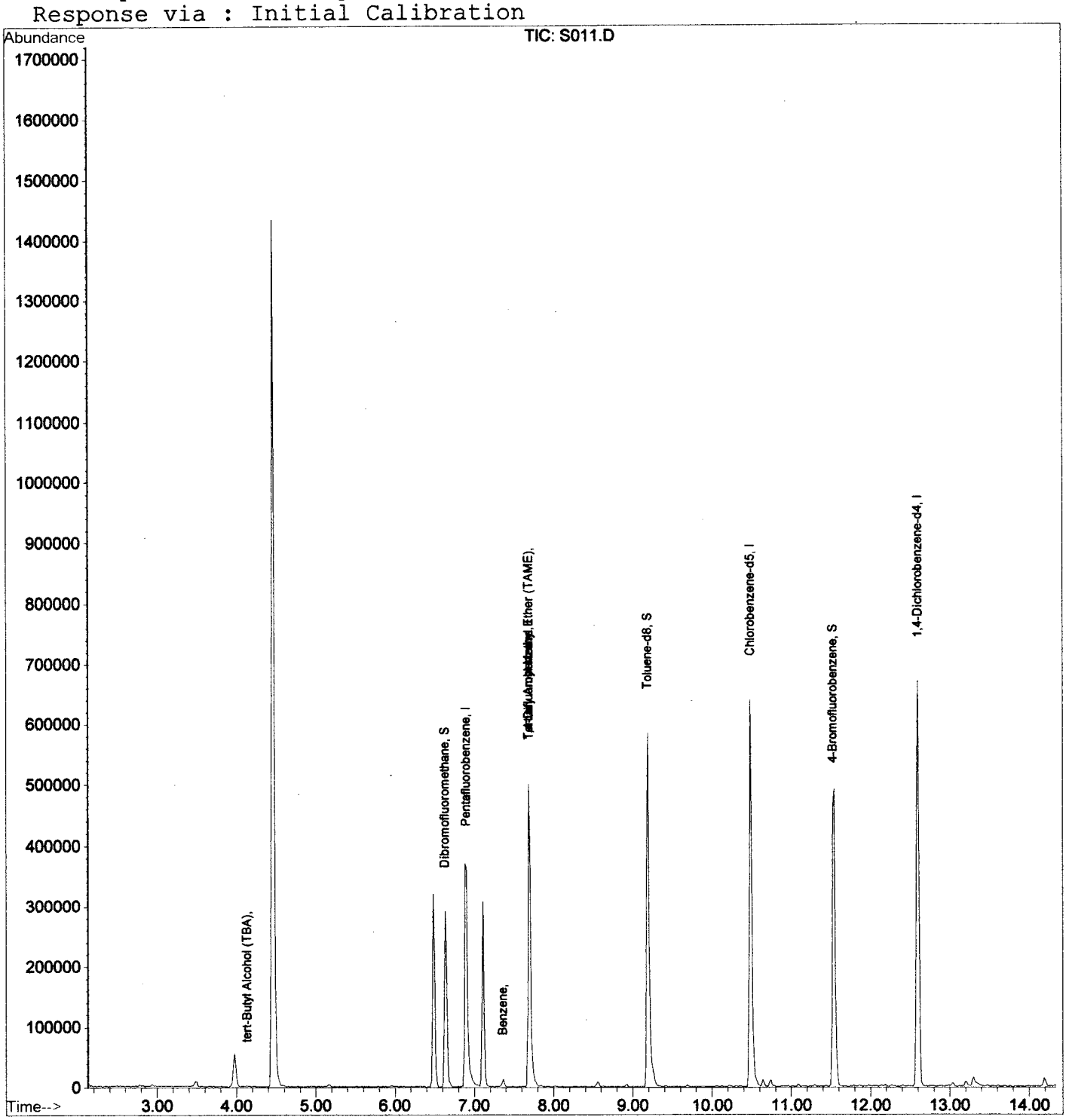
Vial: 10
Operator: Lynn
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: OXYBTEX5.RE

Method : C:\HPCHEM\1\METHODS\OXYBTEX5.M (RTE Integrator)
Title : 8260Mod. Oxygenate
Last Update : Fri May 06 10:20:36 2005
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\080805\S011.D Vial: 11
Acq On : 8 Aug 2005 2:09 pm Operator: Lynn
Sample : 51808 5mL Inst : GC/MS Ins
Misc : EM = 1412 new tune, new K trap,flow = 30 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 9 8:39 19105 Quant Results File: OXYBTEX5.RE

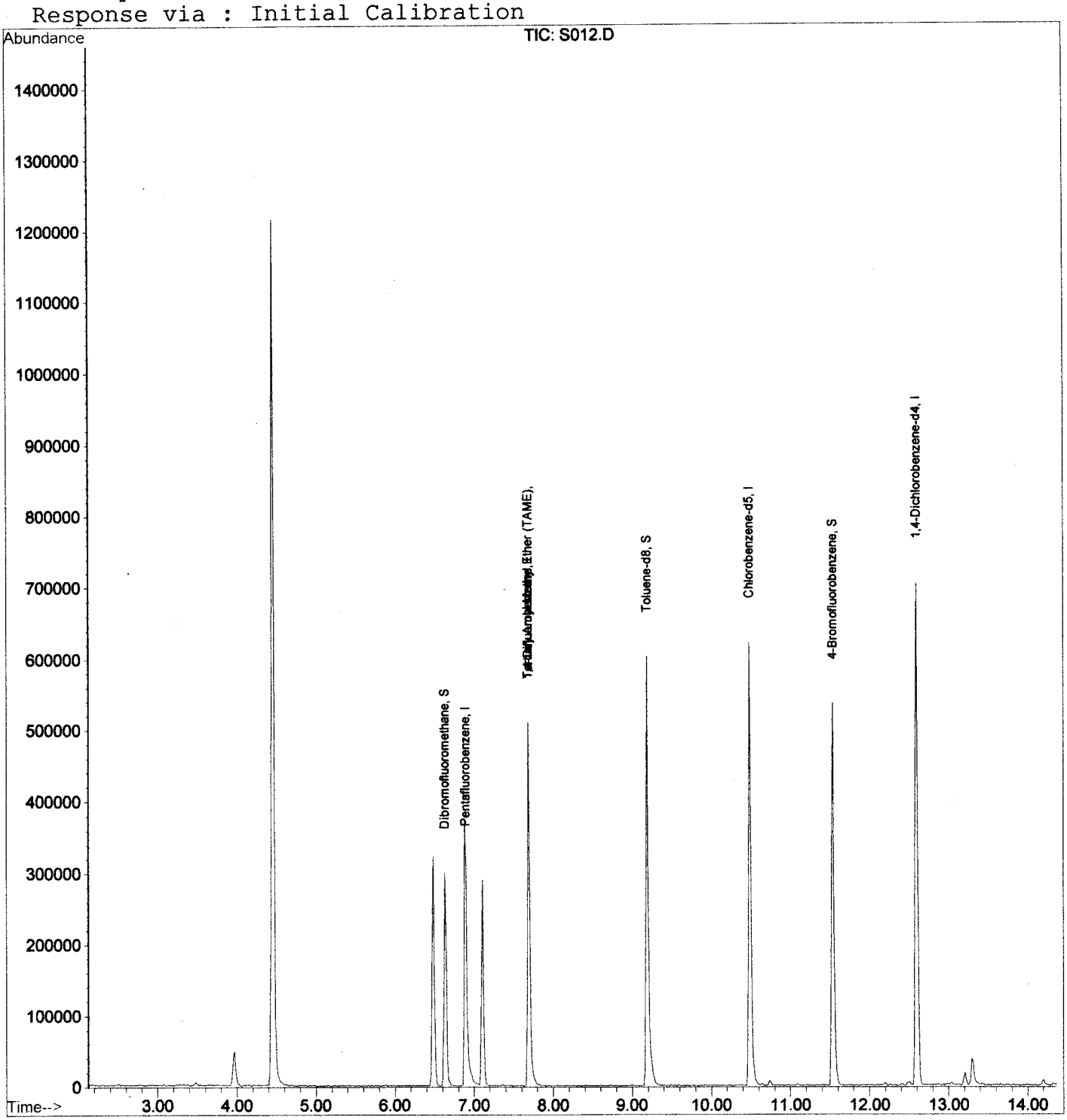
Method : C:\HPCHEM\1\METHODS\OXYBTEX5.M (RTE Integrator)
Title : 8260Mod. Oxygenate
Last Update : Fri May 06 10:20:36 2005
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\080805\S012.D
Acq On : 8 Aug 2005 2:43 pm
Sample : 51809 5mL
Misc : EM = 1412 new tune, new K trap,flow = 30
MS Integration Params: RTEINT.P
Quant Time: Aug 9 8:45 19105

Vial: 12
Operator: Lynn
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: OXYBTEX5.RE

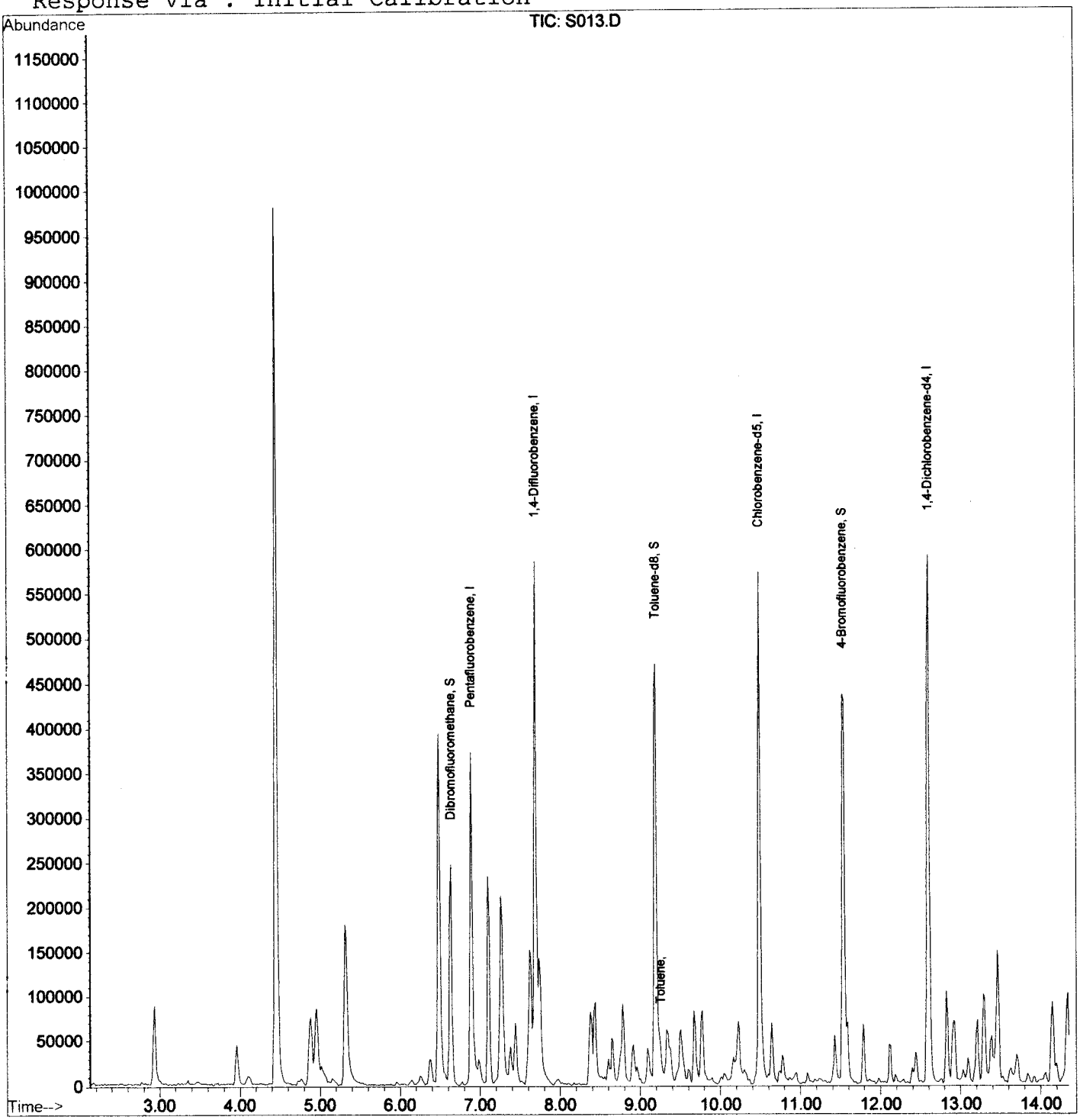
Method : C:\HPCHEM\1\METHODS\OXYBTEX5.M (RTE Integrator)
Title : 8260Mod. Oxygenate
Last Update : Fri May 06 10:20:36 2005
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\080805\S013.D
Acq On : 8 Aug 2005 3:15 pm
Sample : 51810 5mL
Misc : EM = 1412 new tune, new K trap,flow = 30
MS Integration Params: RTEINT.P
Quant Time: Aug 9 8:46 19105

Vial: 13
Operator: Lynn
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: OXYBTEX5.RE

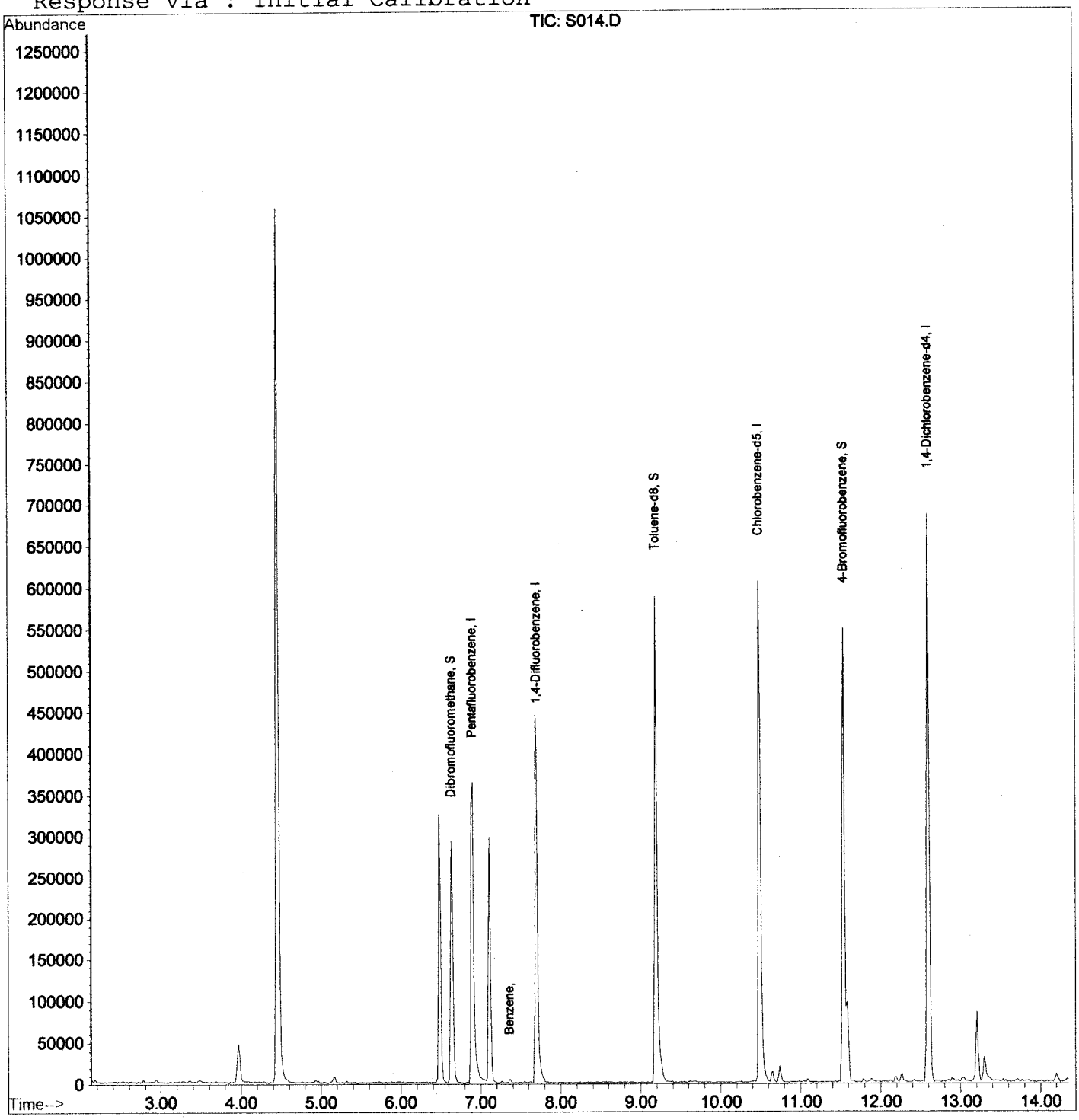
Method : C:\HPCHEM\1\METHODS\OXYBTEX5.M (RTE Integrator)
Title : 8260Mod. Oxygenate
Last Update : Fri May 06 10:20:36 2005
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\080805\S014.D
Acq On : 8 Aug 2005 3:47 pm
Sample : 51811 5mL
Misc : EM = 1412 new tune, new K trap,flow = 30
MS Integration Params: RTEINT.P
Quant Time: Aug 9 8:55 19105

Vial: 14
Operator: Lynn
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: OXYBTEX5.RE

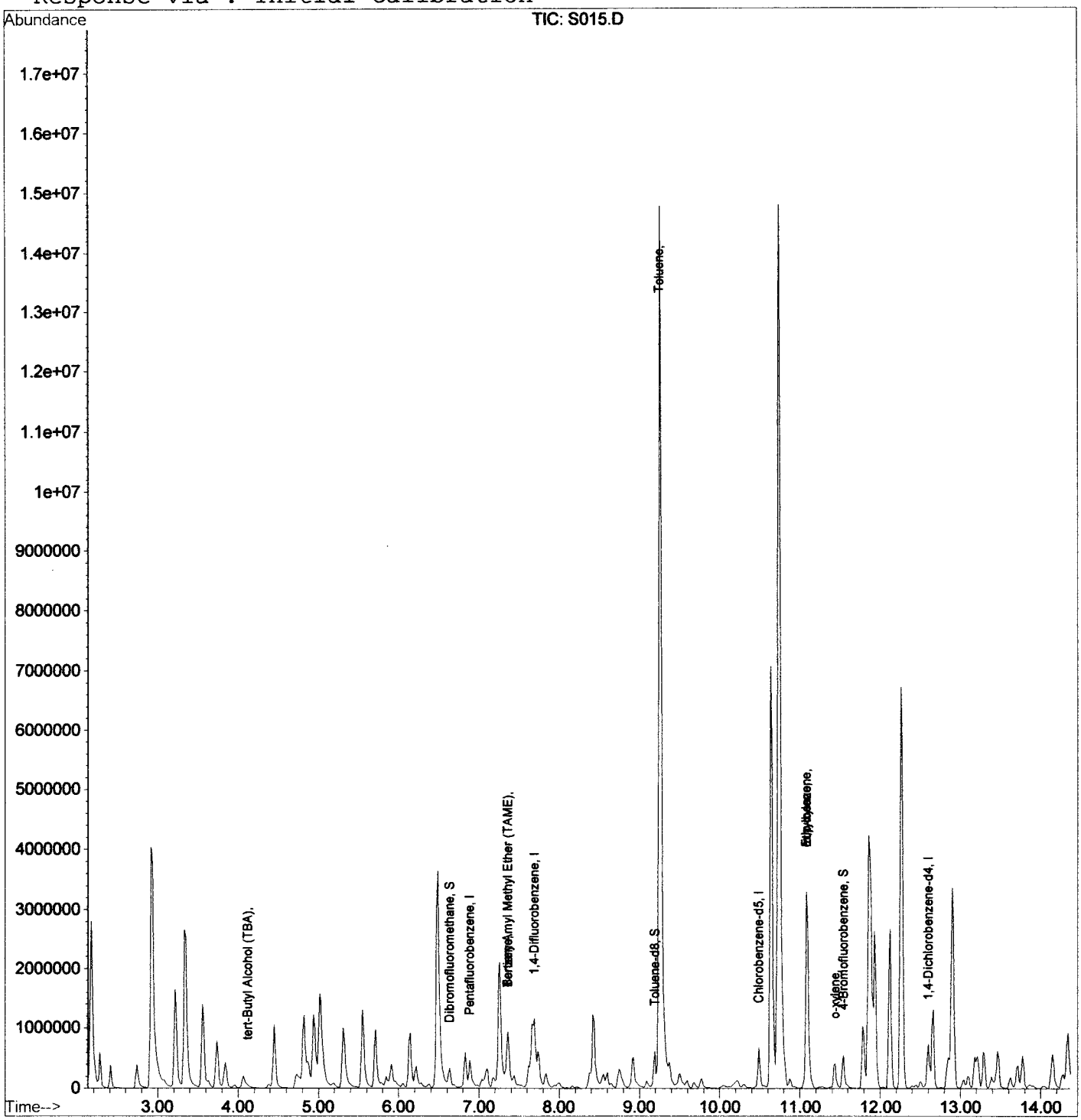
Method : C:\HPCHEM\1\METHODS\OXYBTEX5.M (RTE Integrator)
Title : 8260Mod. Oxygenate
Last Update : Fri May 06 10:20:36 2005
Response via : Initial Calibration



Quantitation Report

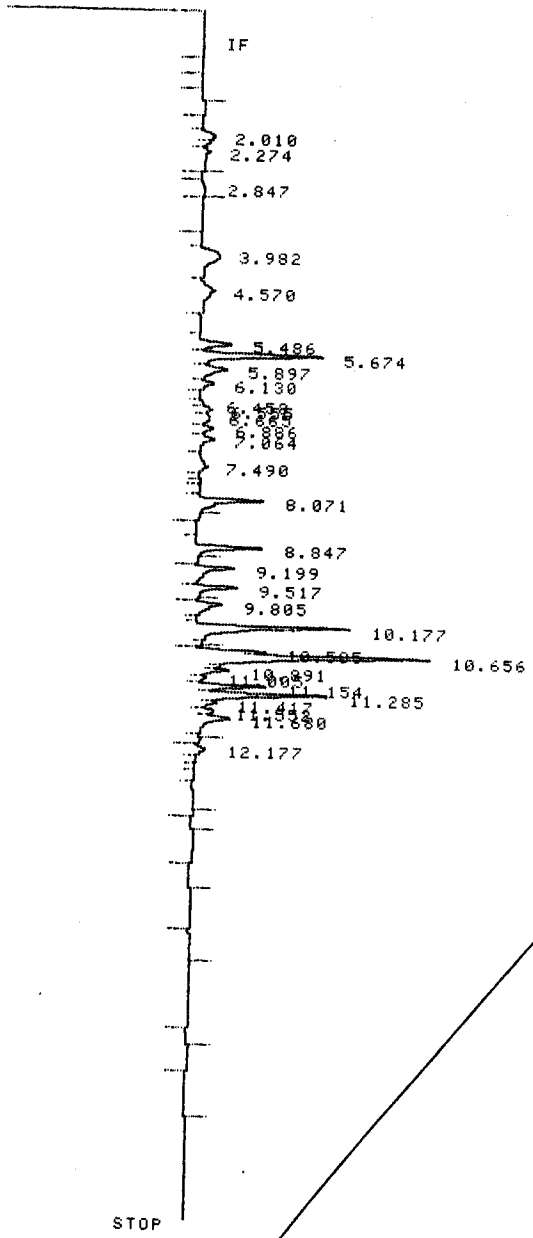
Data File : C:\HPCHEM\1\DATA\080805\S015.D Vial: 15
Acq On : 8 Aug 2005 4:19 pm Operator: Lynn
Sample : 51812 5mL Inst : GC/MS Ins
Misc : EM = 1412 new tune, new K trap,flow = 30 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 9 8:58 19105 Quant Results File: OXYBTEX5.RE

Method : C:\HPCHEM\1\METHODS\OXYBTEX5.M (RTE Integrator)
Title : 8260Mod. Oxygenate
Last Update : Fri May 06 10:20:36 2005
Response via : Initial Calibration



* RUN # 113 AUG 10, 2005 14:38:45

START



OK!

S1805 1mL

~~USE 1ST RUN~~

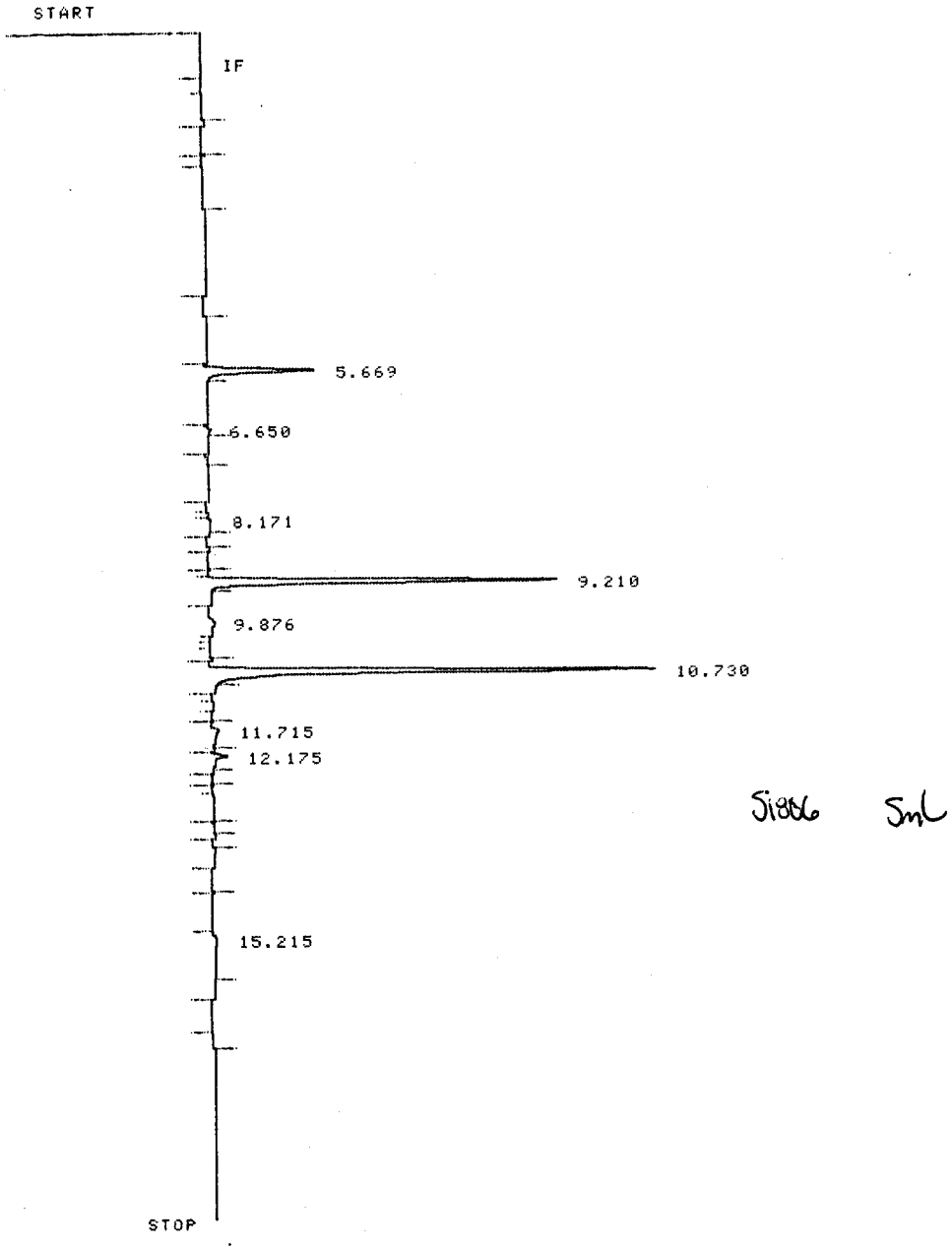
RUN# 113 AUG 10, 2005 14:38:45

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
2.010	PV	168046	.104	26901	1R	~~3.120~~	MTBE RT OFF
4.570	VP	373799	.194	32194	2R	~~2.332~~	BENZENE RT OFF
5.674	VV	1373176	.082	279877	3R	22.061	TFT-SURROGATE 111%
6.665	VV	225920	.151	24907	4R	~~.929~~	TOLUENE — NOT CONF
8.071	PB	680448	.076	149624	6R	2.440	ETHYLBENZENE — CONF BY GAS DATA
9.805	BV	340216	.092	61396	9R	~~1.358~~	1,3-DICHLOROBENZ
10.177	PV	1537316	.074	345130	11R	~~6.628~~	1,2-DICHLOROBENZ

TOTAL AREA=1.4839E+07

MUL FACTOR=1.0000E+00



Si806 SnL

RUN# 51 AUG 8, 2005 14:10:07

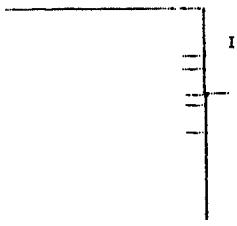
ESTD-AREA

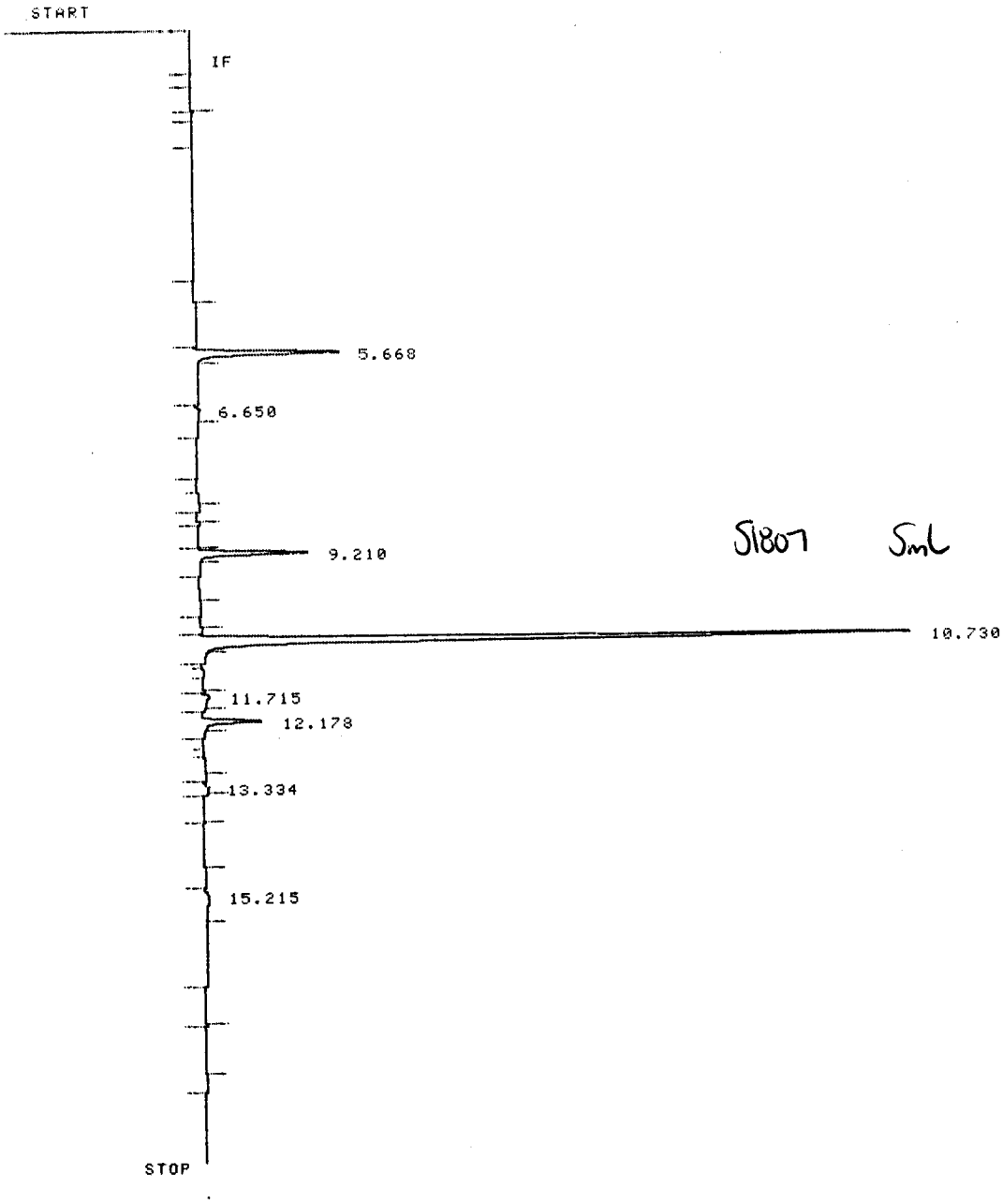
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB		NAME
5.669	PB	1167345	.078	250280	3R	13.4	~~13.015~~	TFT-SURROGATE 92%
6.650	PB	35960	.054	11123	4R		.148	TOLUENE
8.171	VB	35040	.051	11351	7R		.110	M,P-XYLENE
9.876	BP	100251	.130	12805	9R		.400	1,3-DICHLOROBENZ

Wrong from [illegible]

TOTAL AREA=9.9511E+06
MUL FACTOR=1.0000E+00

* RUN # 52 AUG 8, 2005 14:38:39
START





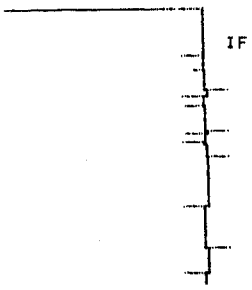
RUN# 52 AUG 8, 2005 14:38:39

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
5.668	PB	1626120	.078	346750	3R	18.911	TFT-SURROGATE 95%
6.650	BB	34401	.058	9914	4R	.141	TOLUENE

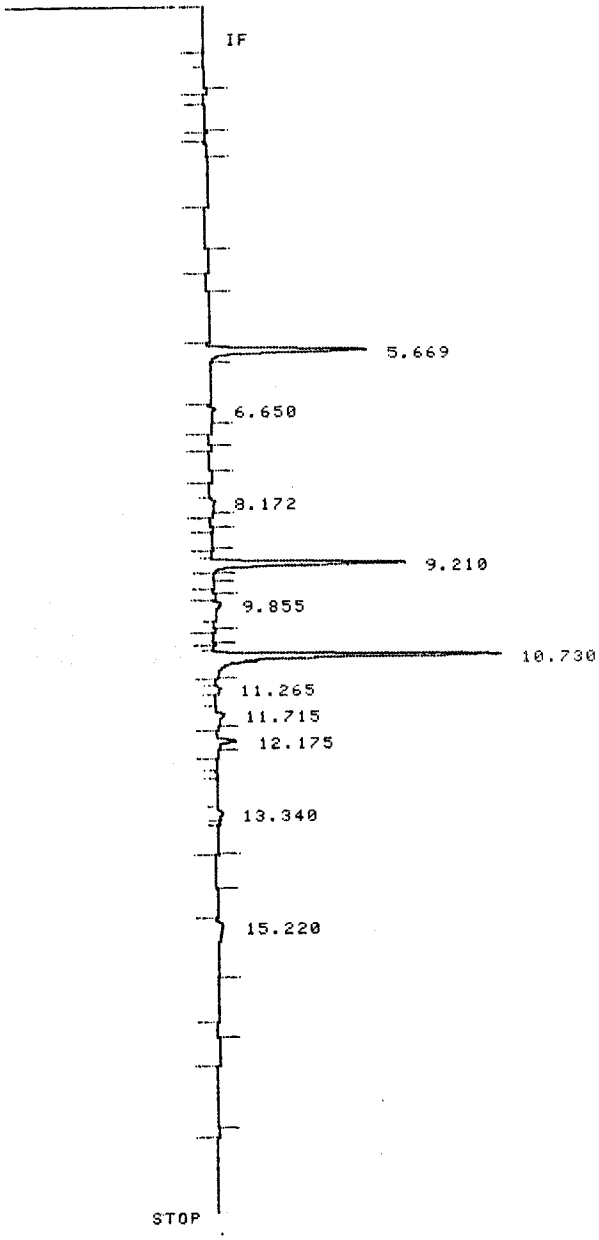
TOTAL AREA=1.1366E+07
MUL FACTOR=1.0000E+00

* RUN # 53 AUG 8, 2005 15:07:09
START



* RUN # 53 AUG 8, 2005 15:07:09

START



51808 SnL

RUN# 53 AUG 8, 2005 15:07:09

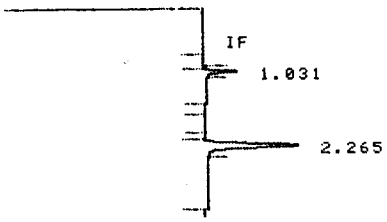
ESTD-AREA

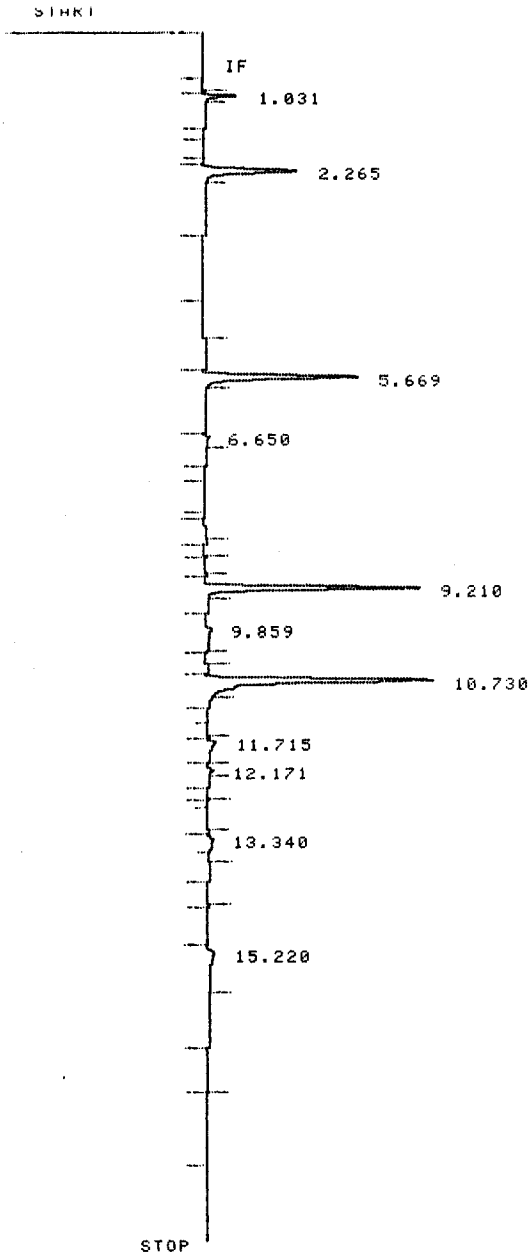
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
5.669	PB	1673478	.078	357247	3R	19.519	TFT-SURROGATE 98%
6.650	BB	43417	.060	12078	4R	.179	TOLUENE
8.172	VB	25780	.050	8518	7R	.081	M,P-XYLENE
9.855	PP	98706	.089	18411	9R	.394	1,3-DICHLOROBENZ

TOTAL AREA=7119581
MUL FACTOR=1.0000E+00

* RUN # 54 AUG 8, 2005 15:35:30

START





S1809 SmL

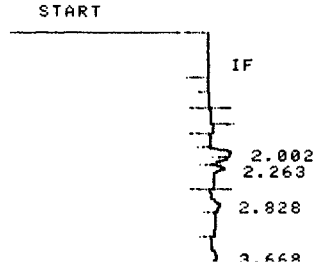
RUN# 54 AUG 8, 2005 15:35:30

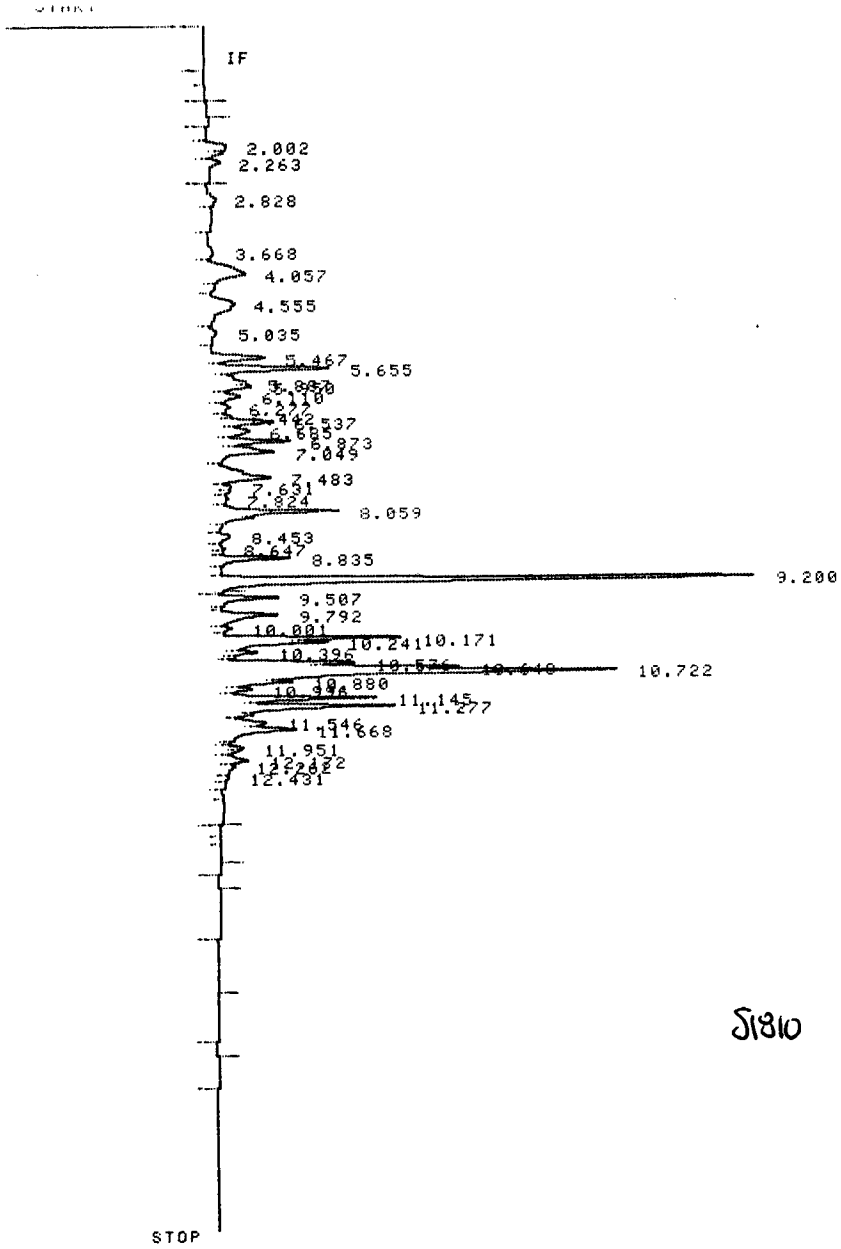
ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
2.265	PB	1066510	.085	210285	1R	~~19~~.074	MTBE ~~- CON. BY GC/MS~~ NOT CONF BY GC/MS
5.669	PB	1626226	.078	345675	3R	18.912	TFT-SURROGATE 95%
6.650	BB	35323	.058	10131	4R	.145	TOLUENE
9.859	PB	73388	.119	10318	9R	.293	1,3-DICHLOROBENZ

TOTAL AREA=7749043
MUL FACTOR=1.0000E+00

* RUN # 55 AUG 8, 2005 16:38:07
START





51810 SnL

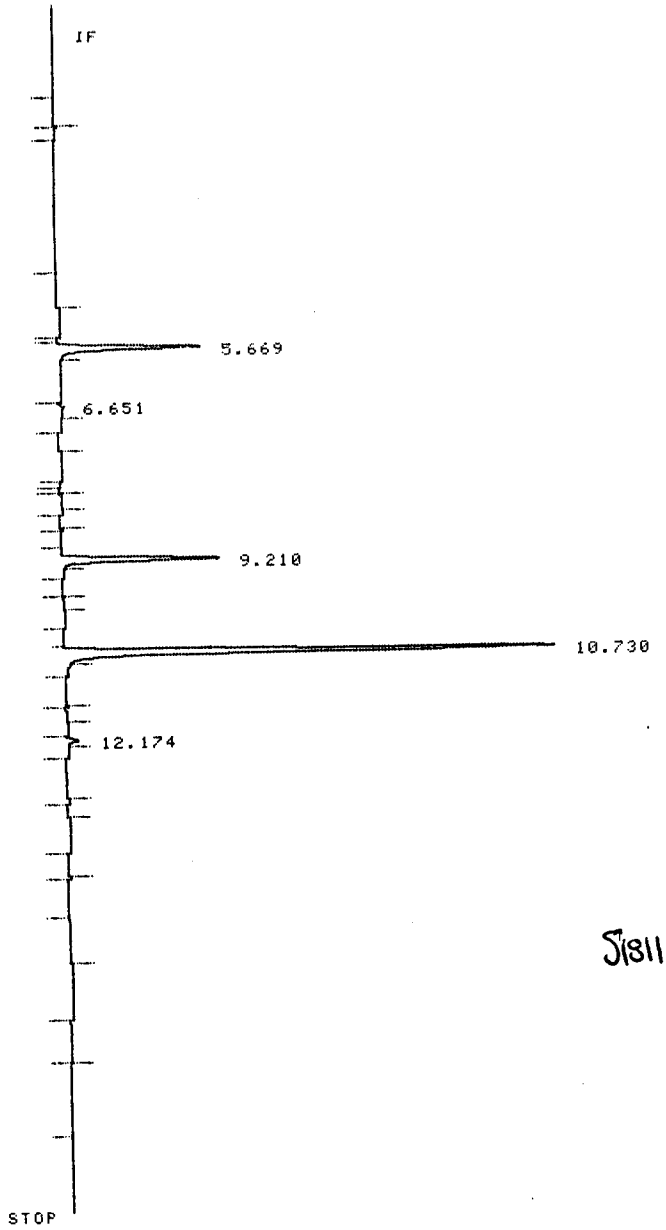
RUN# 55 AUG 8, 2005 16:38:07

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
2.002	PV	299179	.102	49028	1R	~~5.~~200	MTBE RT OFF
4.555	VP	795704	.229	57861	2R	4.511	BENZENE – CONF BY GC DATA
5.655	VV	1364032	.085	266715	3R	15.543	TFT-SURROGATE 78%
6.873	VV	904534	.087	173569	4R	3.~~407~~	TOLUENE – RT OFF
7.824	VV	214742	.119	30199	5R	.~~285~~	CHLOROBENZENE M
8.059	VV	1309615	.079	277569	6R	4.270	ETHYLBENZENE – CONF BY GMS DATA
8.453	PV	173573	.092	31297	8R	.707	O-XYLENE – TOTAL XYLS. IS < 1PPB
9.792	VV	763842	.095	133615	9R	3.~~186~~	1,3-DICHLOROBENZ
10.001	VV	105789	.060	29448	10R	.~~339~~	1,4-DICHLOROBENZ NA
10.171	VV	1370147	.056	409838	11R	5.~~696~~	1,2-DICHLOROBENZ

TOTAL AREA=3.8963E+07
MUL FACTOR=1.0000E+00

* RUN # 56 AUG 8, 2005 17:06:10
START
IF



S1811 SmL

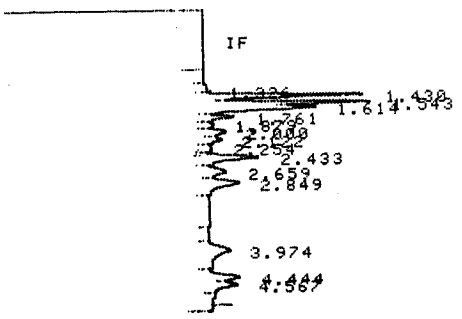
RUN# 56 AUG 8, 2005 17:06:10

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
5.669	PB	1501099	.078	319268	3R	17.304	TFT-SURROGATE 87%
6.651	BB	32476	.057	9451	4R	.134	TOLUENE

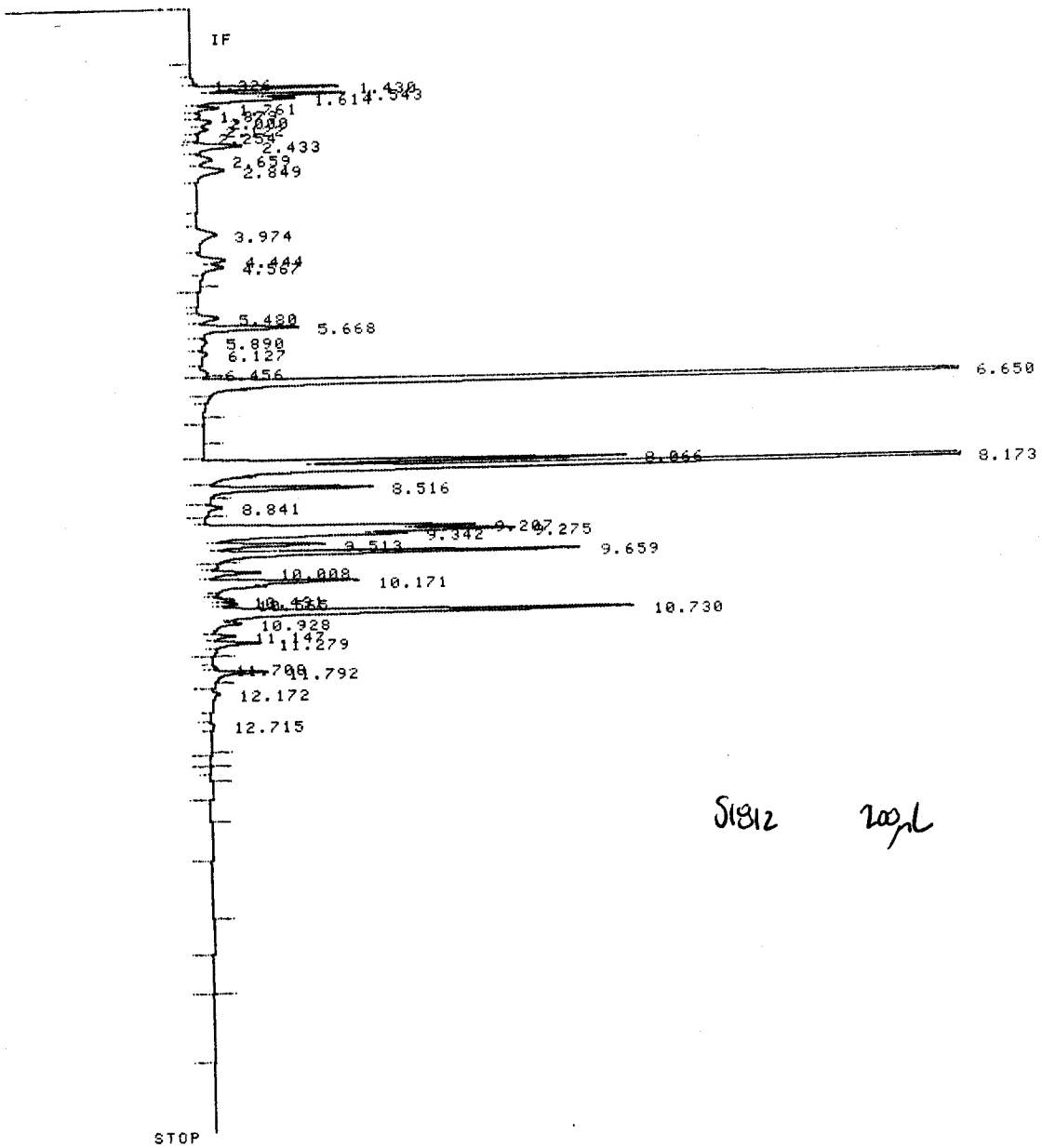
TOTAL AREA=8044090
MUL FACTOR=1.0000E+00

* RUN # 57 AUG 8, 2005 17:34:59
START



* RUN # 57 AUG 8, 2005 17:34:59

START



S1812 200µL

RUN# 57 AUG 8, 2005 17:34:59

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
2.433	VV	566897	.079	119472	1R	~~10.412~~	MTBE RT OFF
4.444	PV	410508	.098	69615	2R	2.522	BENZENE
5.668	VV	1185570	.081	244115	3R	13.9 ~~13.249~~	TFT-SURROGATE 95%
6.650	PB	11275840	.064	2922805	4R	45.849	TOLUENE
8.066	PV	3354022	.055	1011947	6R	12.440	ETHYLBENZENE
8.173	VB	12344864	.061	3377757	7R	TOTAL? 44.585 39.645	M,P-XYLENE
8.516	BB	1453178	.061	394125	8R	4.940	O-XYLENE
9.659	VB	3227557	.060	889476	9R	15.~~496~~	1,3-DICHLOROBENZ
10.008	PP	393581	.055	119336	10R	1.~~263~~	1,4-DICHLOROBENZ
10.171	PV	1302654	.061	358524	11R	5.~~320~~	1,2-DICHLOROBENZ

CONF BY GAS DATA

WEIGHT FROM FUNDATA

TOTAL AREA=5.7437E+07

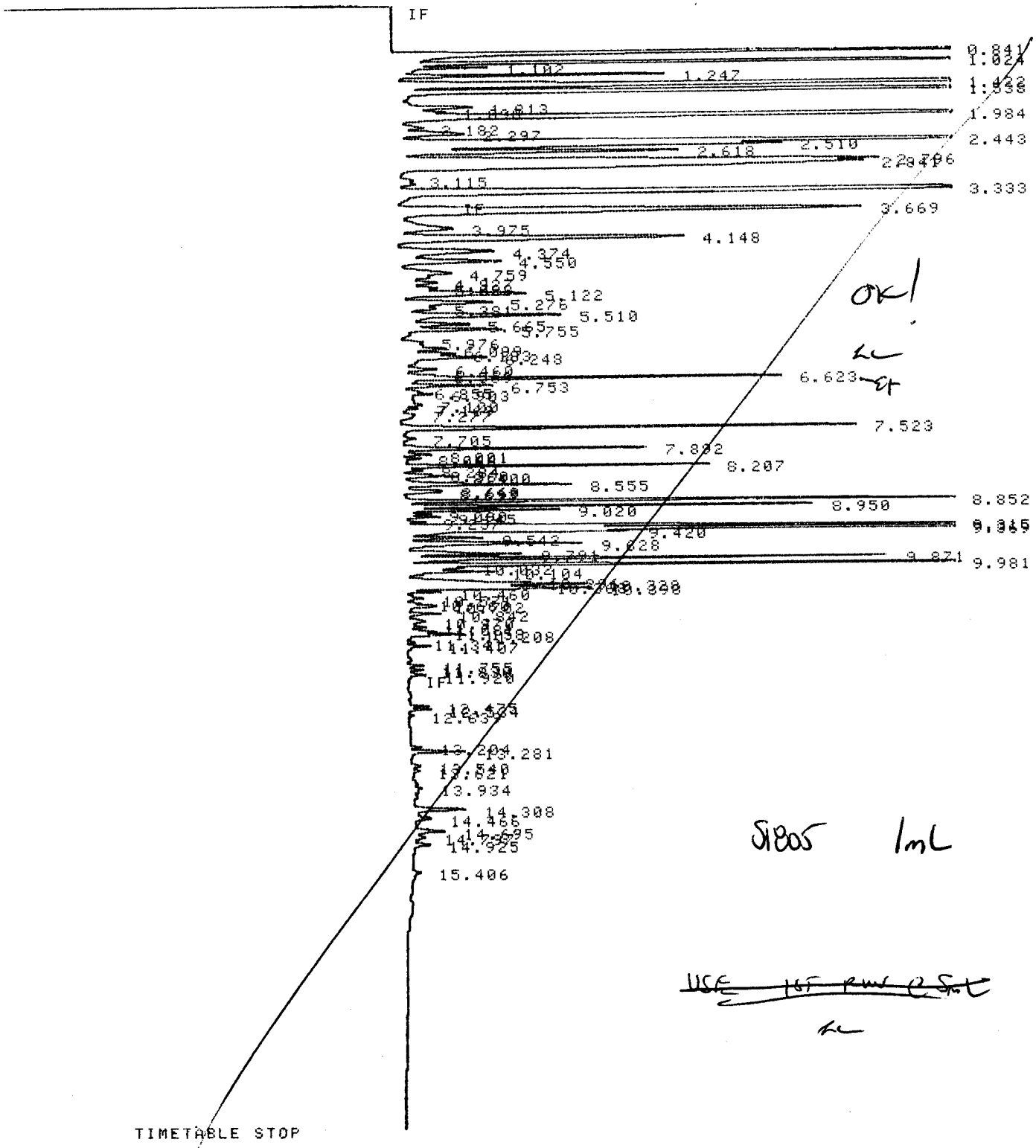
MUL FACTOR=1.0000E+00

DB-624, 30m x 0.53mm ID. → PID

* MeOH EXT= 5g sample in 5mL MeOH

* RUN # 113 AUG 10, 2005 14:58:41

START



RUN# 113 AUG 10, 2005 14:58:41

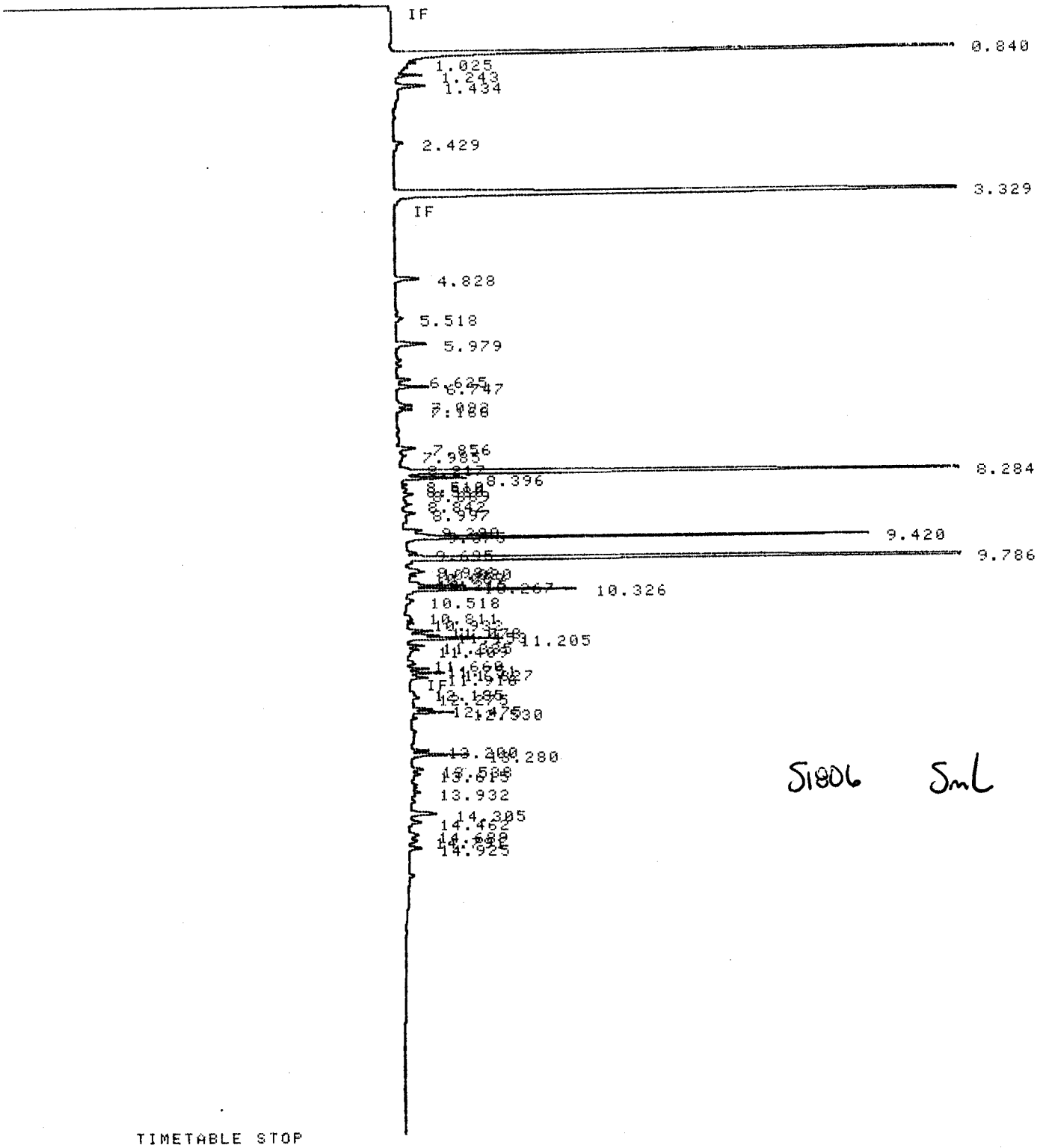
ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
3.333	HH	8968	.067	2233	1R	22.619	TFT-SURROGATE 113%
7.800	++	72803	.045	26689	2R	197.032	GAS

TOTAL AREA= 159293

* RUN # 51 AUG 8, 2005 14:29:56

START



S1806 5mL

TIMETABLE STOP

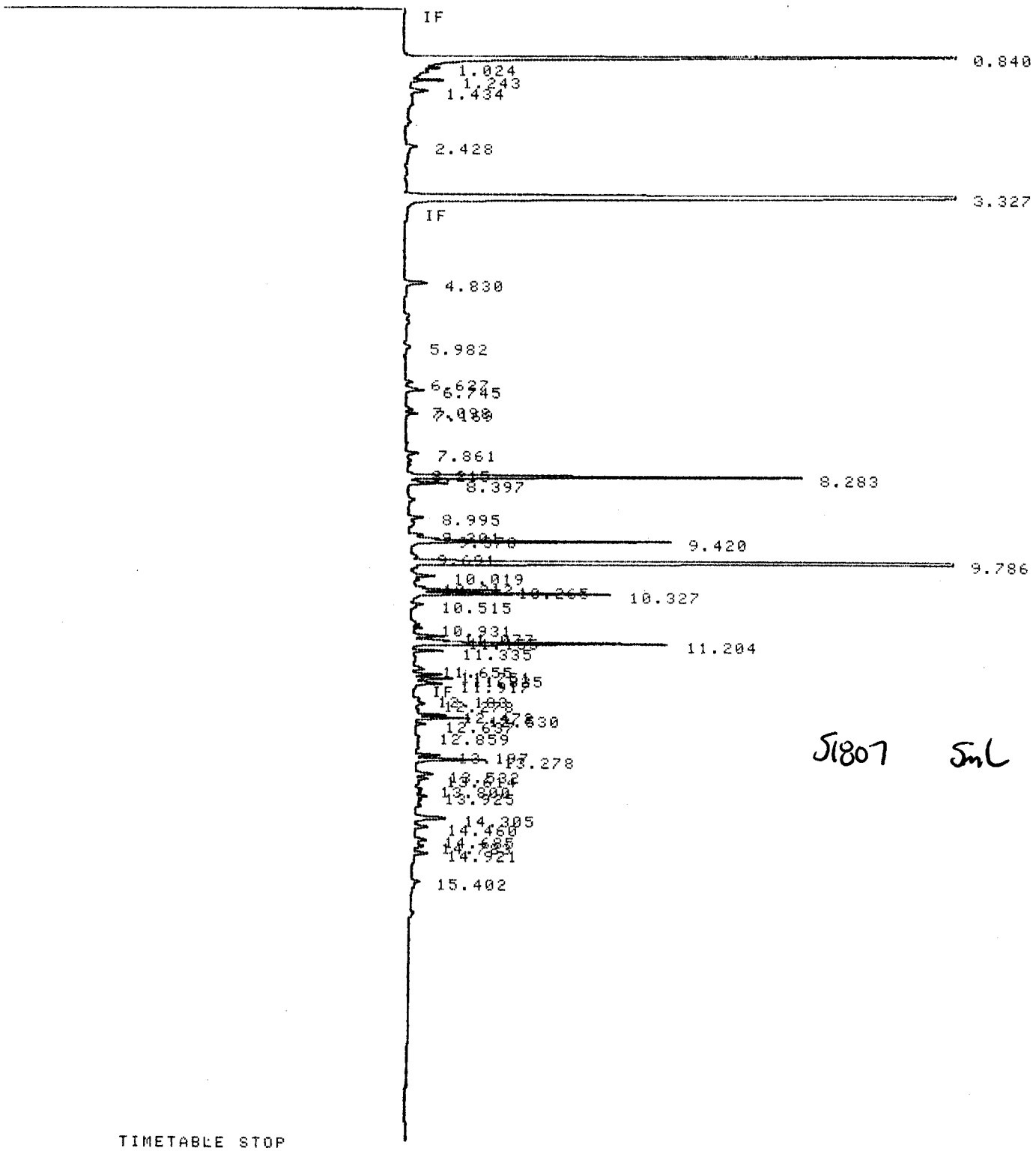
RUN# 51 AUG 8, 2005 14:29:56

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
3.329	PH	7314	.065	1869	1R	18.432	TFT-SURROGATE 92%
7.800	I ++	22799	.042	8980	2R	50 ~~171~~	GAS 450PPB GAS

TOTAL AREA= 42547

* RUN # 52 AUG 8, 2005 14:58:28
START



TIMETABLE STOP

51807 5mL

RUN# 52 AUG 8, 2005 14:58:28

ESTD-AREA

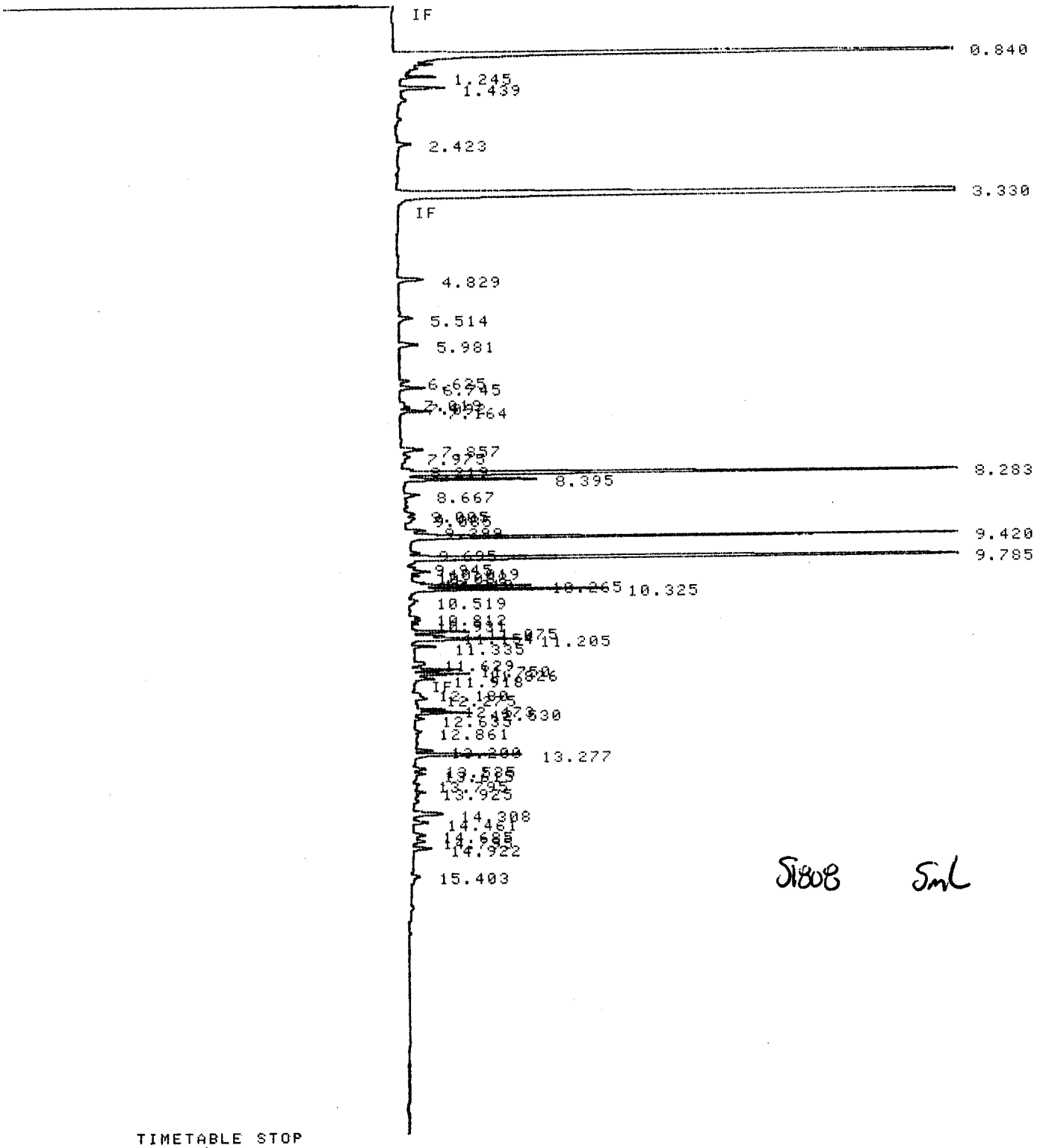
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
3.327	PH	9867	.065	2528	1R	24.903	TFT-SURROGATE 125%
7.800	I ++	21682	.042	8550	2R	47.240	GAS

< 50PPB

TOTAL AREA= 45142
MUL FACTOR=1.0000E+00

* RUN # 53 AUG 8, 2005 15:26:58

START



S1808 5mL

TIMETABLE STOP

RUN# 53 AUG 8, 2005 15:26:58

ESTD-AREA

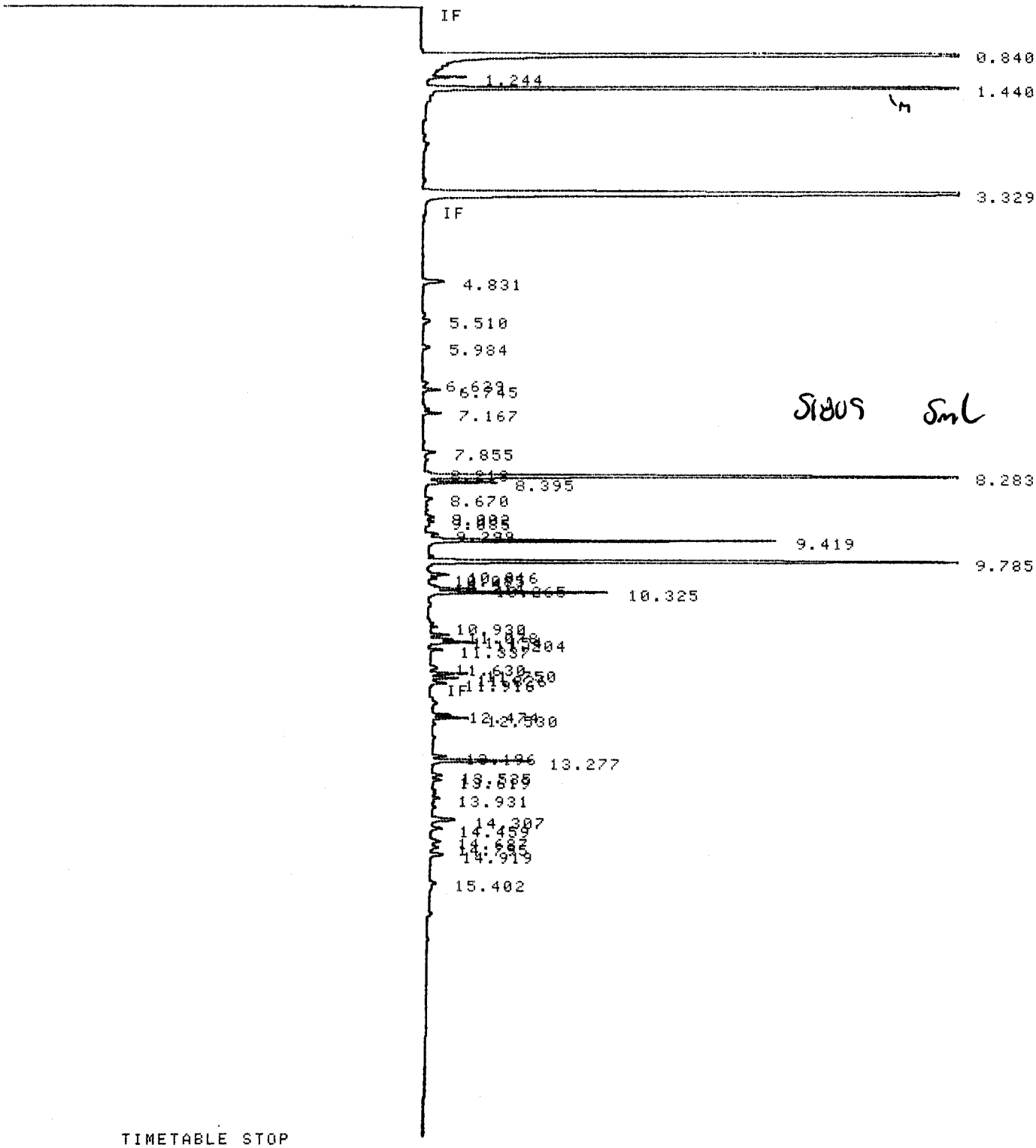
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
3.330	HH	10146	.065	2600	1R	25.612	TFT-SURROGATE 128%
7.800	I ++	19726	.042	7871	2R	42.107	GAS

< 50PPB

TOTAL AREA= 46805

MUL FACTOR=1.0000E+00

* RUN # 54 AUG 8, 2005 15:55:19
START



RUN# 54 AUG 8, 2005 15:55:19

ESTD-AREA

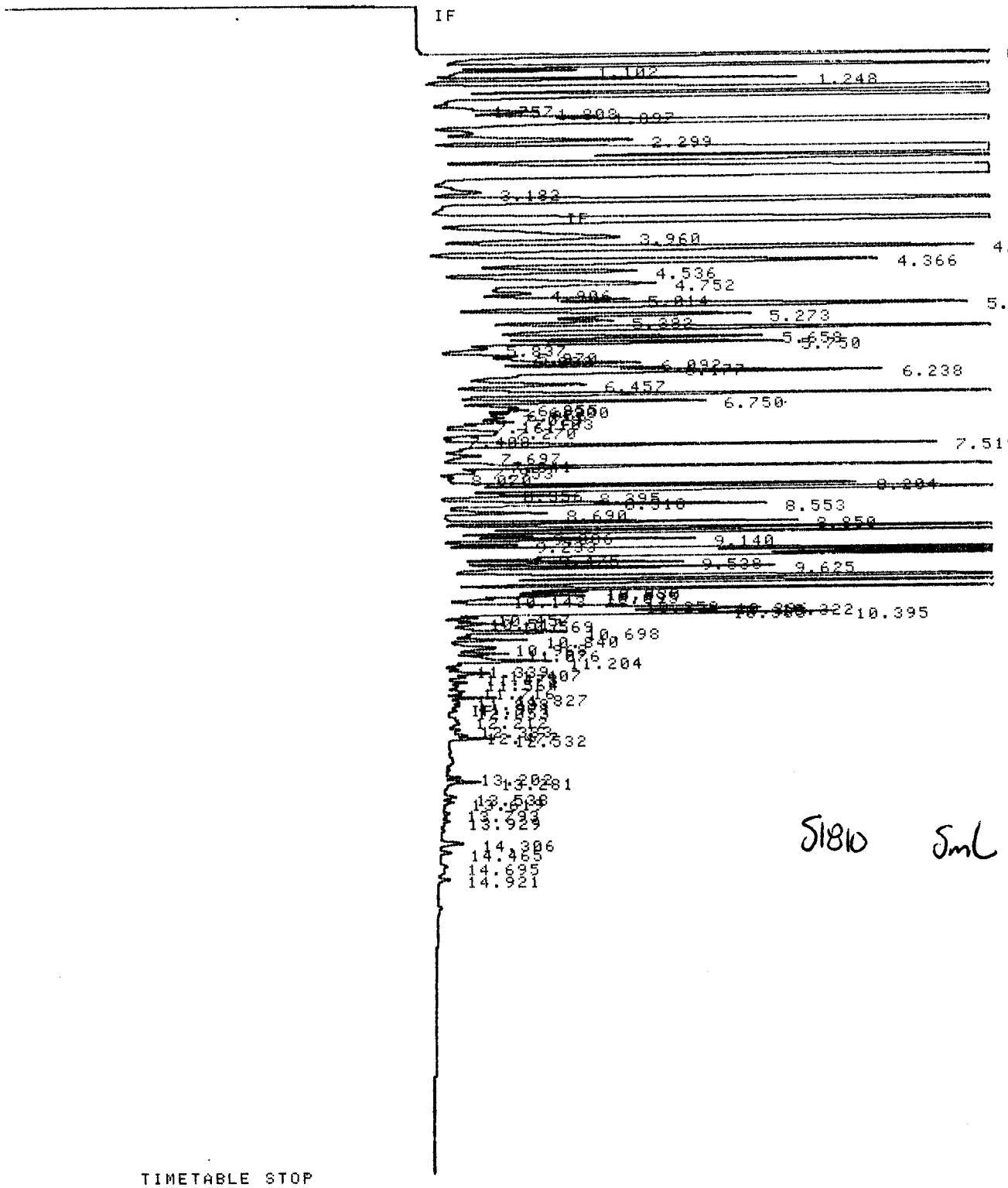
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
3.329	PH	9997	.065	2561	1R	25.233	TFT-SURROGATE 126%
7.800	++	13857	.040	5745	2R	28.587	GAS

< 50PPB

TOTAL AREA= 42090
MUL FACTOR=1.0000E+00

* RUN # 55 AUG 8, 2005 16:57:57

START



TIMETABLE STOP

RUN# 55 AUG 8, 2005 16:57:57

ESTD-AREA

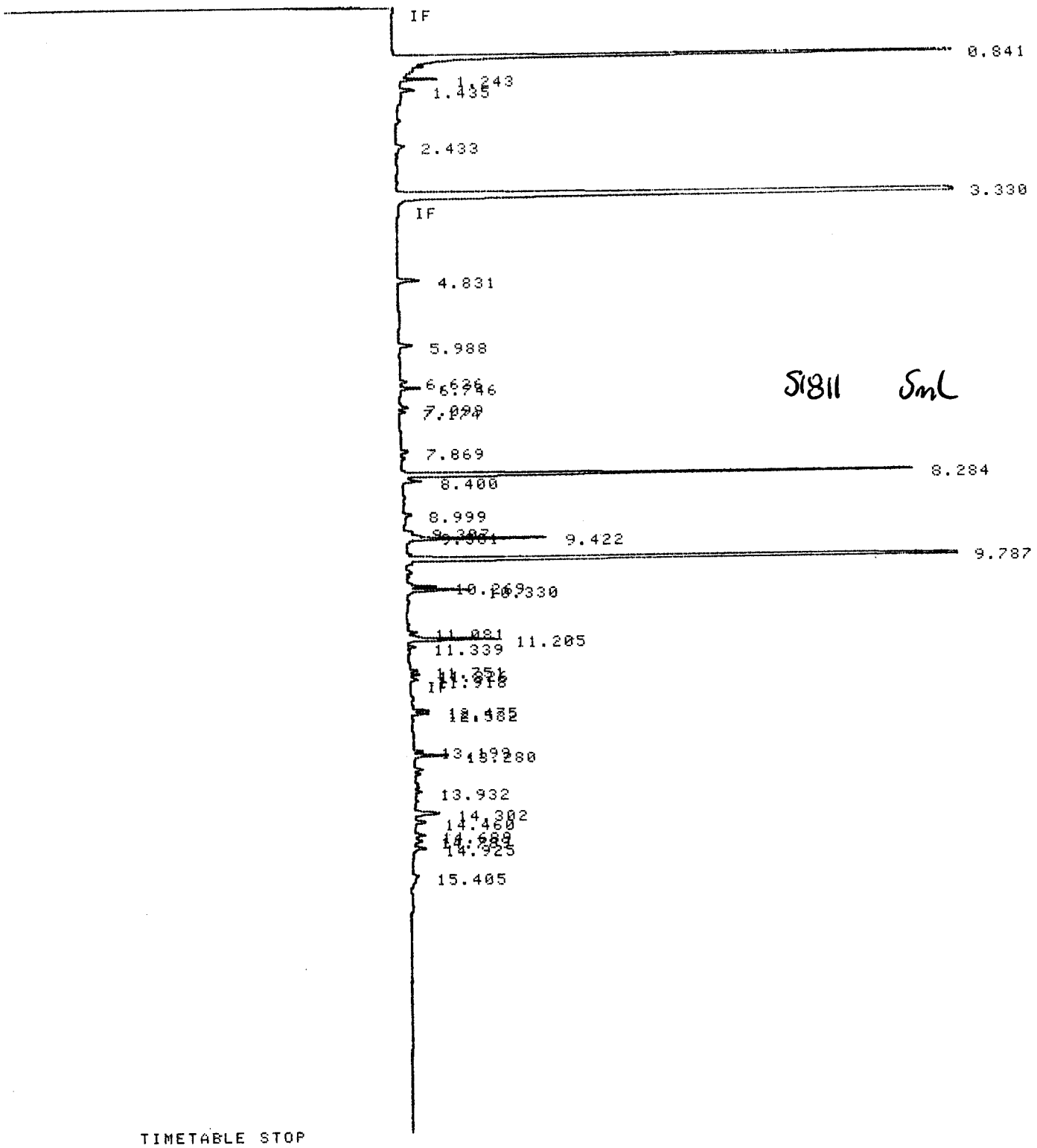
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
3.328	HH	7632	.067	1890	1R	19.233	TFT-SURROGATE 96%
7.800	++	171473	.050	57299	2R	514.075	GAS

TOTAL AREA= 322185

MUL FACTOR=1.0000E+00

* RUN # 56 AUG 8, 2005 17:26:00

START



TIMETABLE STOP

RUN# 56 AUG 8, 2005 17:26:00

ESTD-AREA

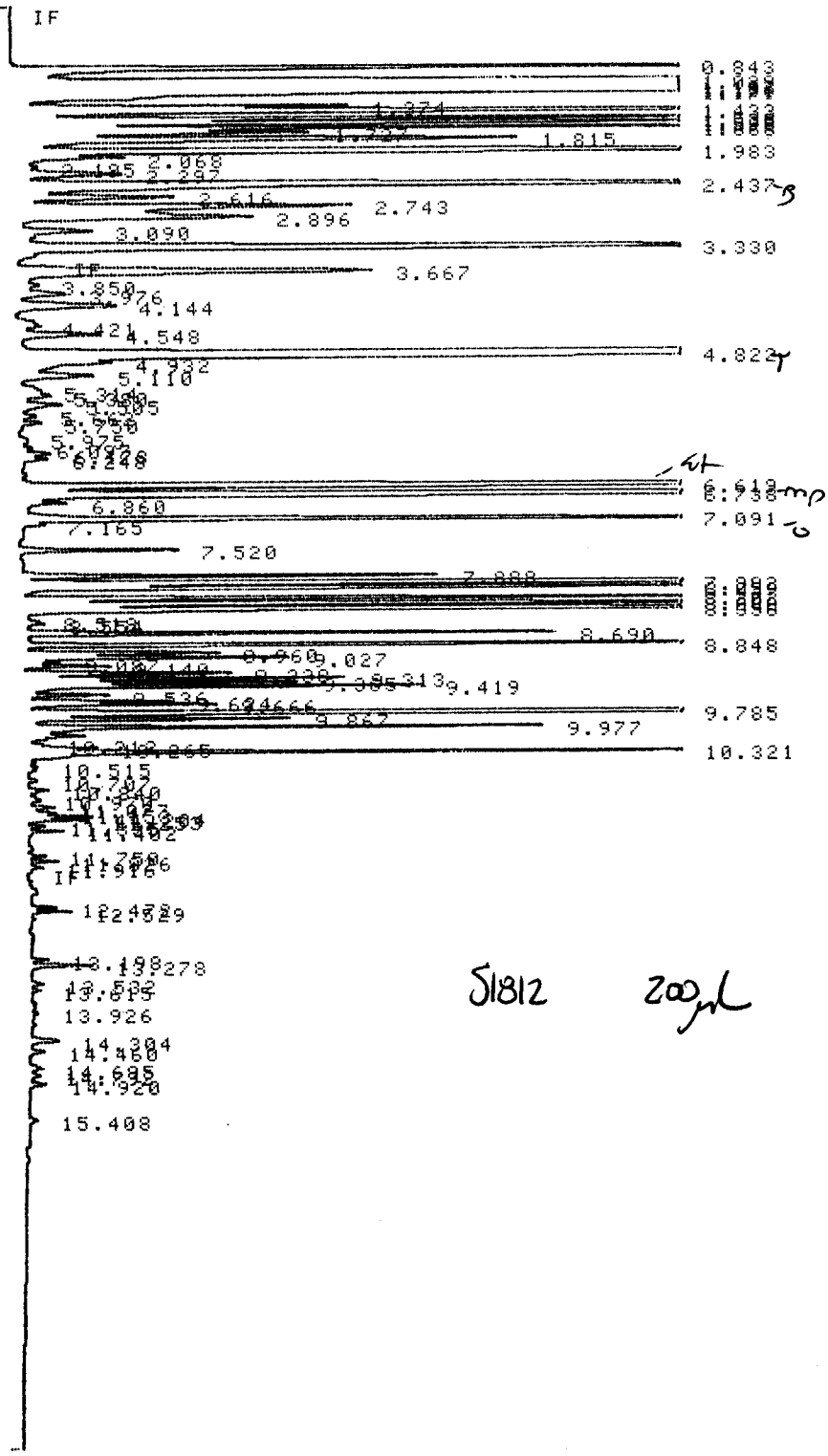
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
3.330	BH	9363	.065	2396	1R	23.623	TFT-SURROGATE 118%
7.800	I ++	14128	.042	5575	2R	29.146	GAS

< 50PPB

TOTAL AREA= 32423

MUL FACTOR=1.0000E+00

* RUN # 57 AUG 8, 2005 17:54:49
START



TIMETABLE STOP

RUN# 57 AUG 8, 2005 17:54:49

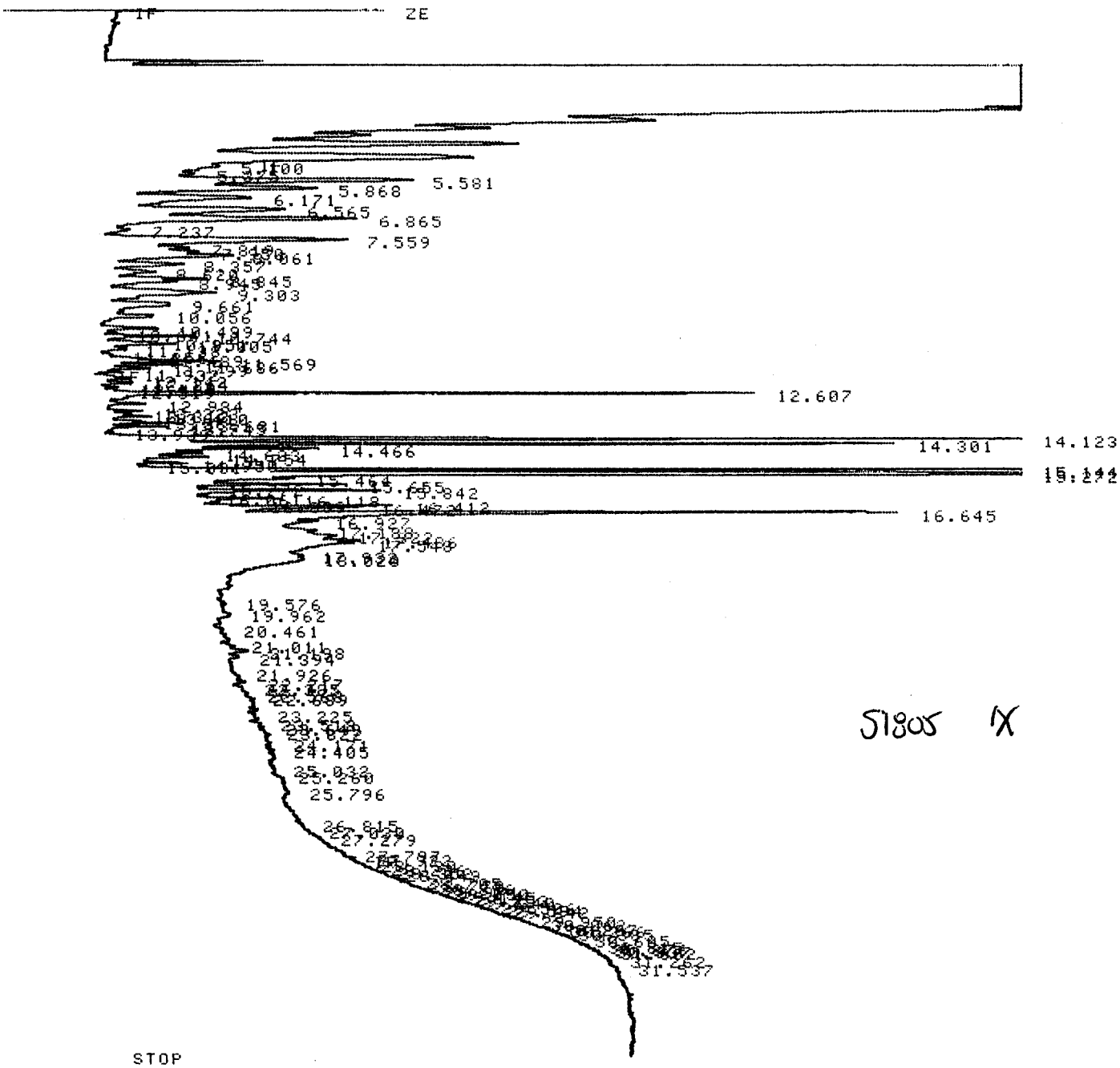
ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPB	NAME
3.330	HH	7504	.068	1831	1R	18.910	TFT-SURROGATE 95%
7.800	++	153420	.046	55794	2R	454.424	GAS

TOTAL AREA= 268687
MUL FACTOR=1.0000E+00

RUN #10941 AUG 9, 2005 06:57:09

START



51805 1X

STOP

Error storing signal to A:Q1290346.BNC

DISC DOES NOT EXIST

RUN# 10941 AUG 9, 2005 06:57:09

SAMPLE NAME: 51805 SAMPLE# 14

1X

ESTD-AREA

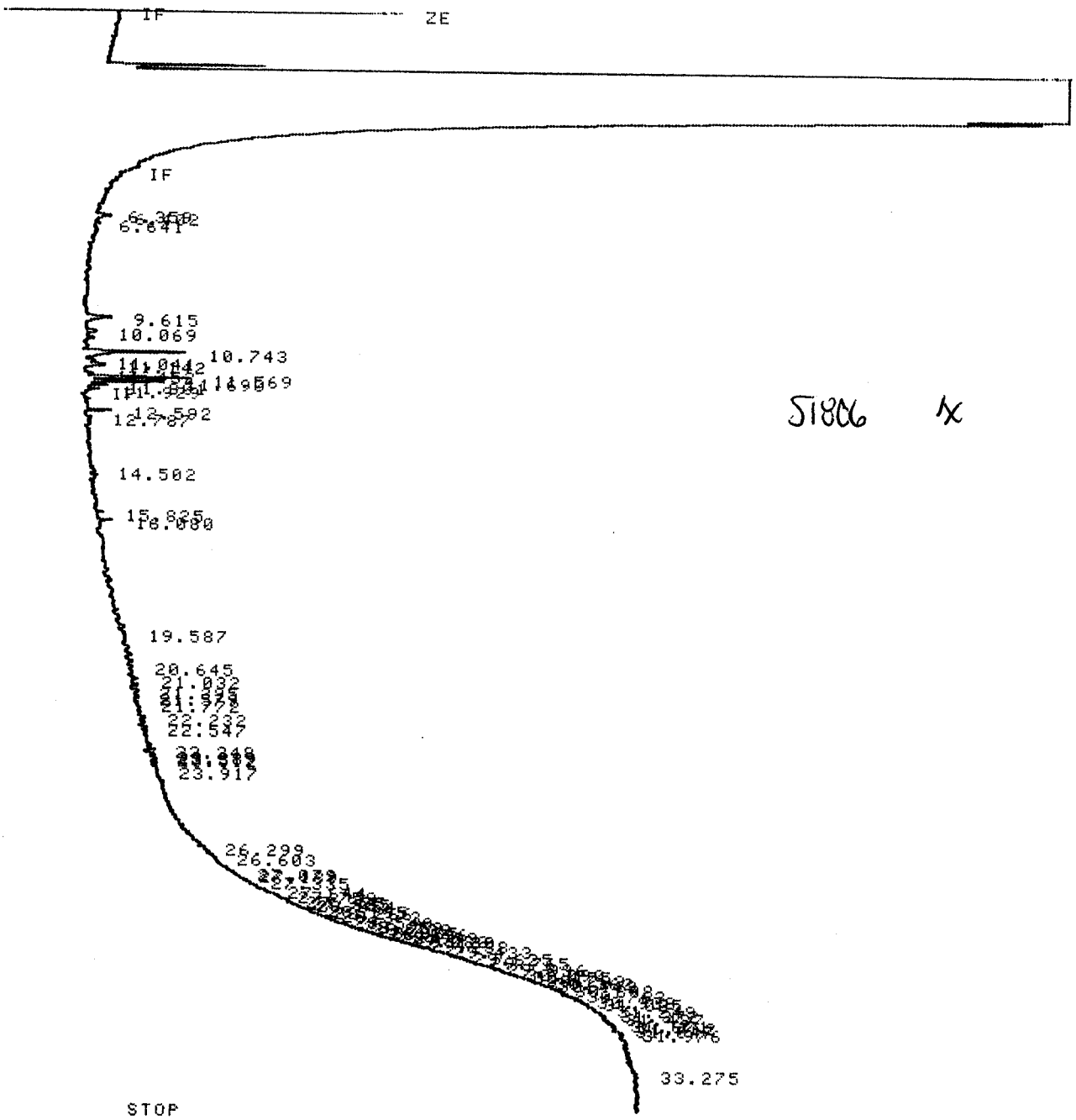
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPM	NAME
20.000	++	56691	.051	18485	1R	~~156.302~~	DIESEL NOT DIESEL; <10PPM
28.705	VB	70	.069	17	2R	4.268	o-TERPHENYL SEE GAS DATA

<35 PPM M.O.

TOTAL AREA= 85992

MUL FACTOR=1.0000E+00

RUN #10942 AUG 9, 2005 07:37:35
START



51806 1X

Error storing signal to A:Q1290CC0.BNC
DISC DOES NOT EXIST

RUN# 10942 AUG 9, 2005 07:37:35

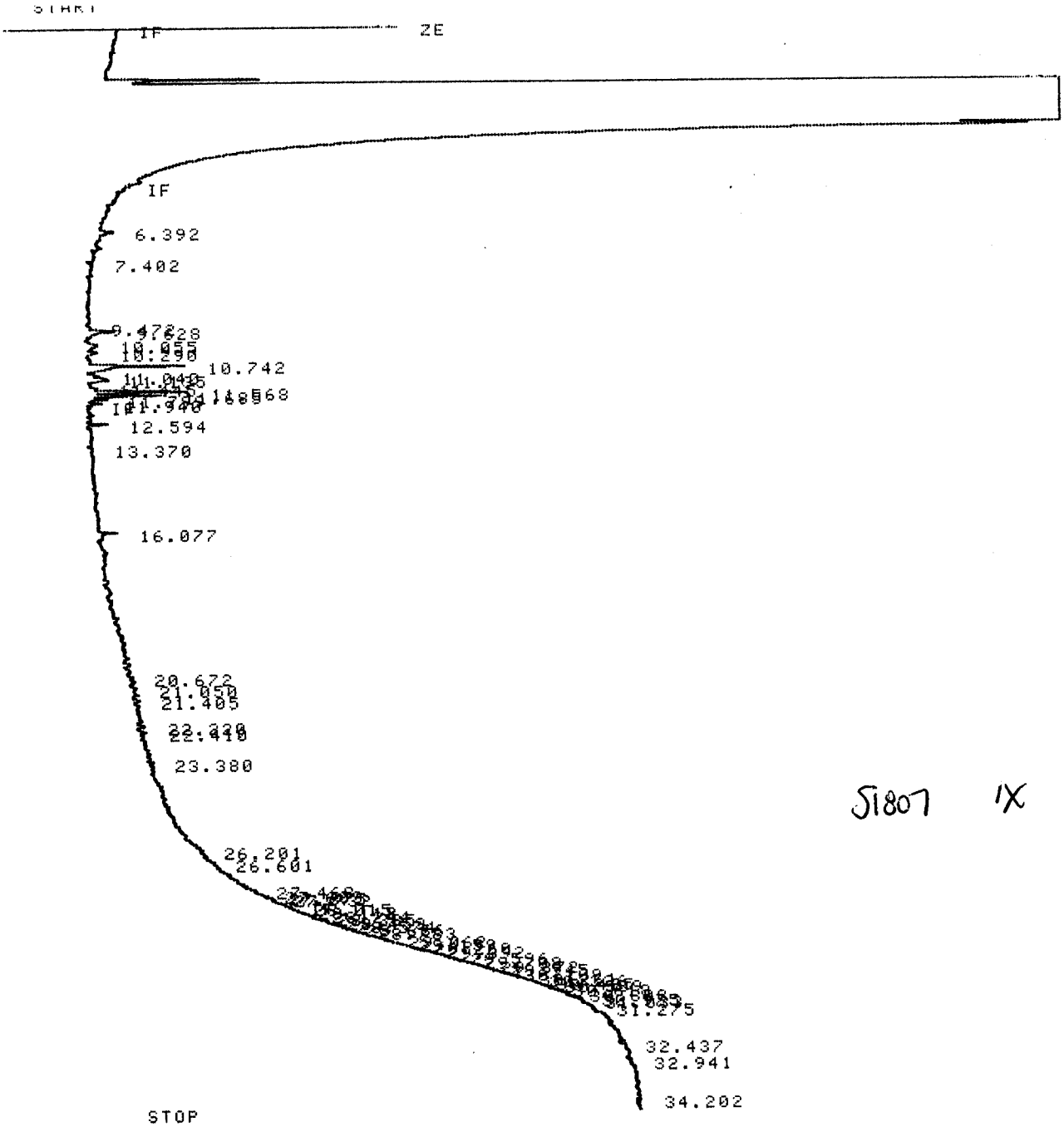
SAMPLE NAME: 51806 SAMPLE# 15
1X

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPM	NAME
20.000	++	1420	.061	386	1R	5.750	DIESEL <10ppm
29.625	BB	116	.121	16	2R	5.434	o-TERPHENYL

<235ppm M.O.

TOTAL AREA= 5748
MUL FACTOR=1.0000E+00



51807 1X

Error storing signal to A:Q129163C.BNC
DISC DOES NOT EXIST

RUN# 10943 AUG 9, 2005 08:18:04

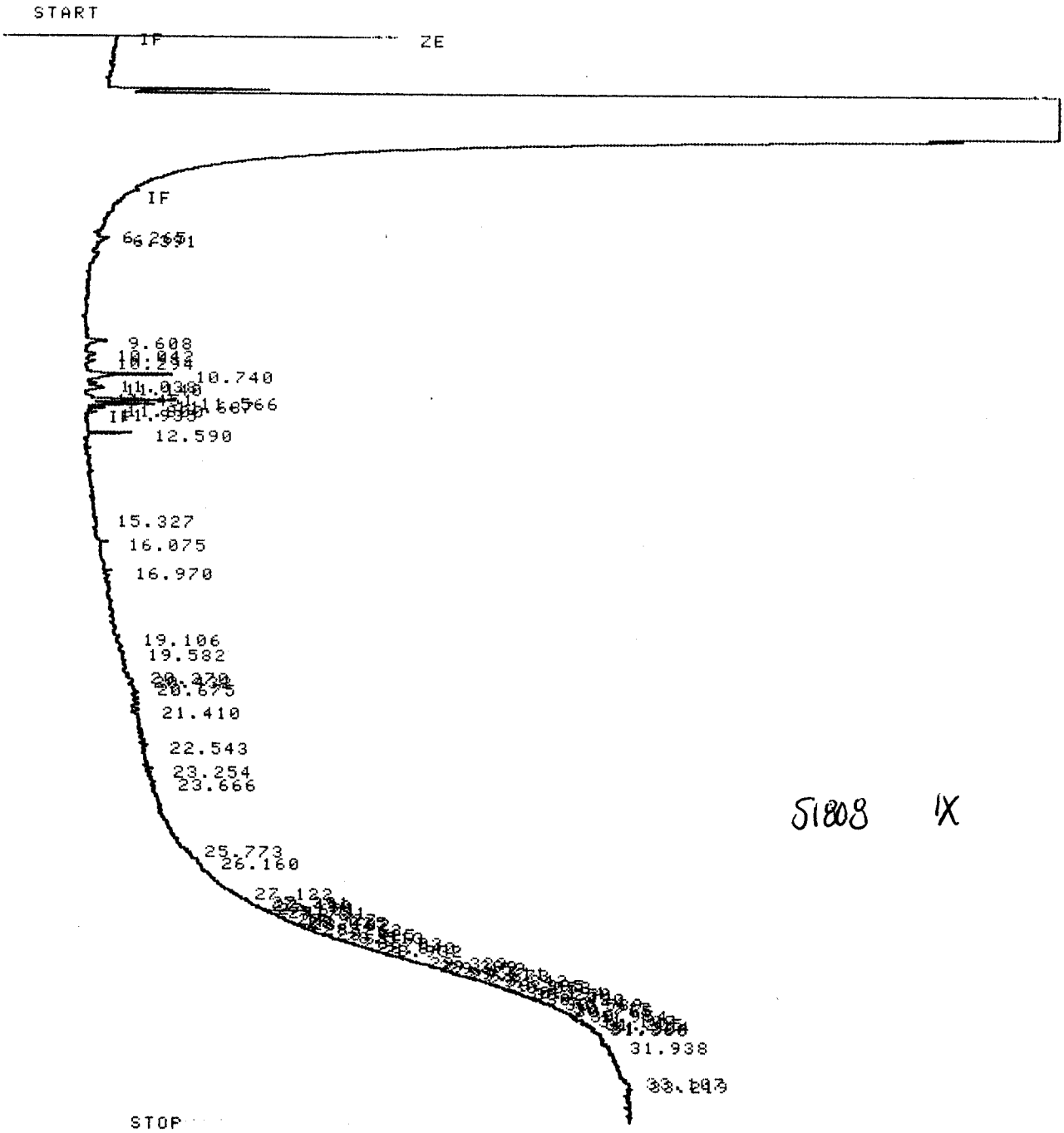
SAMPLE NAME: 51807 SAMPLE# 16
1X

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPM	NAME
20.000	++	916	.064	240	1R	3.709	DIESEL <10PPM
28.015	PB	115	.160	12	2R	5.421	o-TERPHENYL

<35 PPM M.Q

TOTAL AREA= 4978
MUL FACTOR=1.0000E+00



51808 1X

Error storing signal to A:Q1291FB9.BNC
DISC DOES NOT EXIST

RUN# 10944 AUG 9, 2005 08:58:32

SAMPLE NAME: 51808 SAMPLE# 17
1X

ESTD-AREA

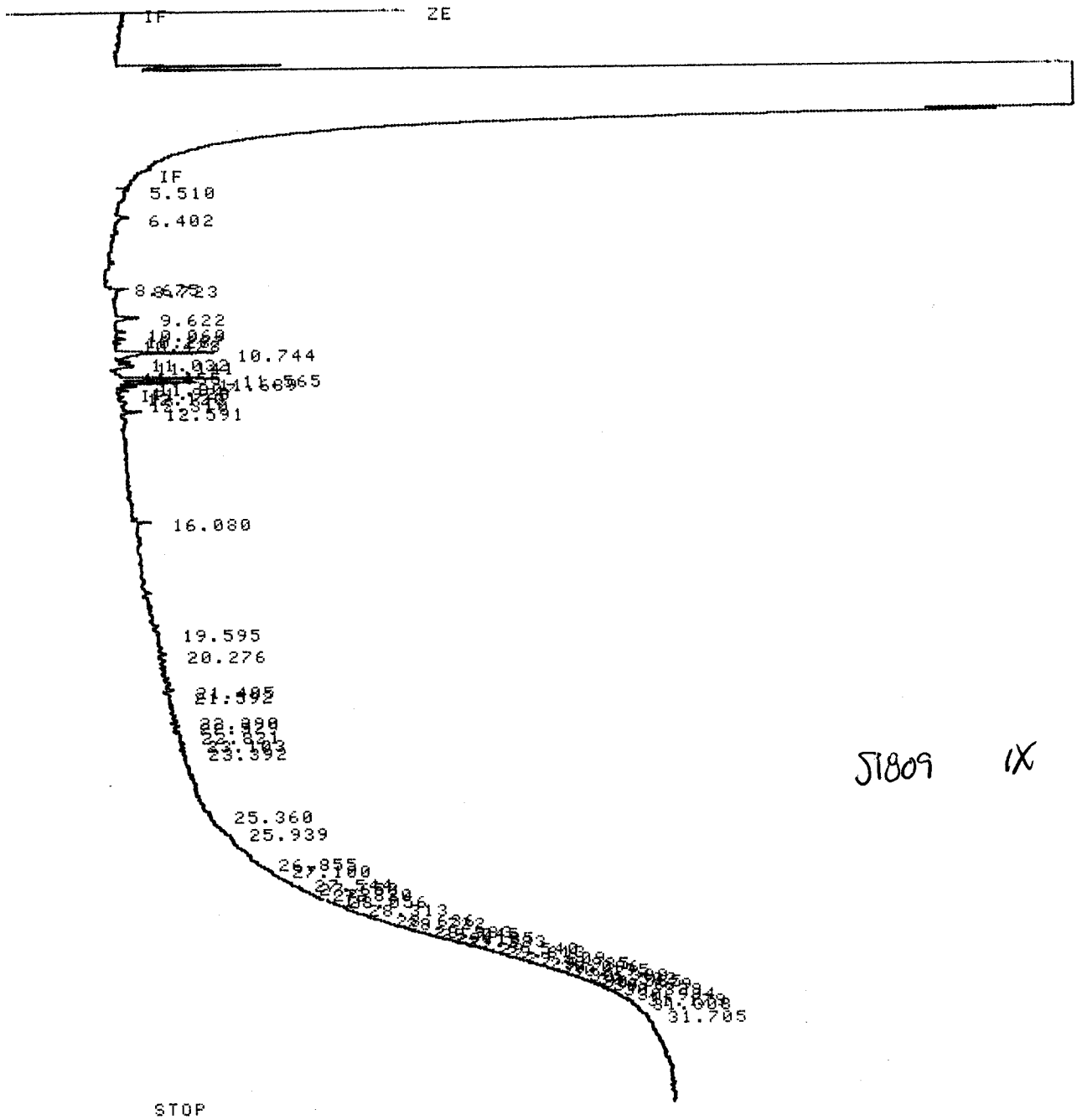
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPM	NAME
20.000	I ++	1172	.054	365	1R	4.746	DIESEL <10ppm
30.420	BB	62	.148	7	2R	3.780	o-TERPHENYL

<35 PPM M.O

TOTAL AREA= 4350
MUL FACTOR=1.0000E+00

RUN #10945 AUG 9, 2005 09:38:59

START



51809 1X

Error storing signal to A:01292934.BNC
DISC DOES NOT EXIST

RUN# 10945 AUG 9, 2005 09:38:59

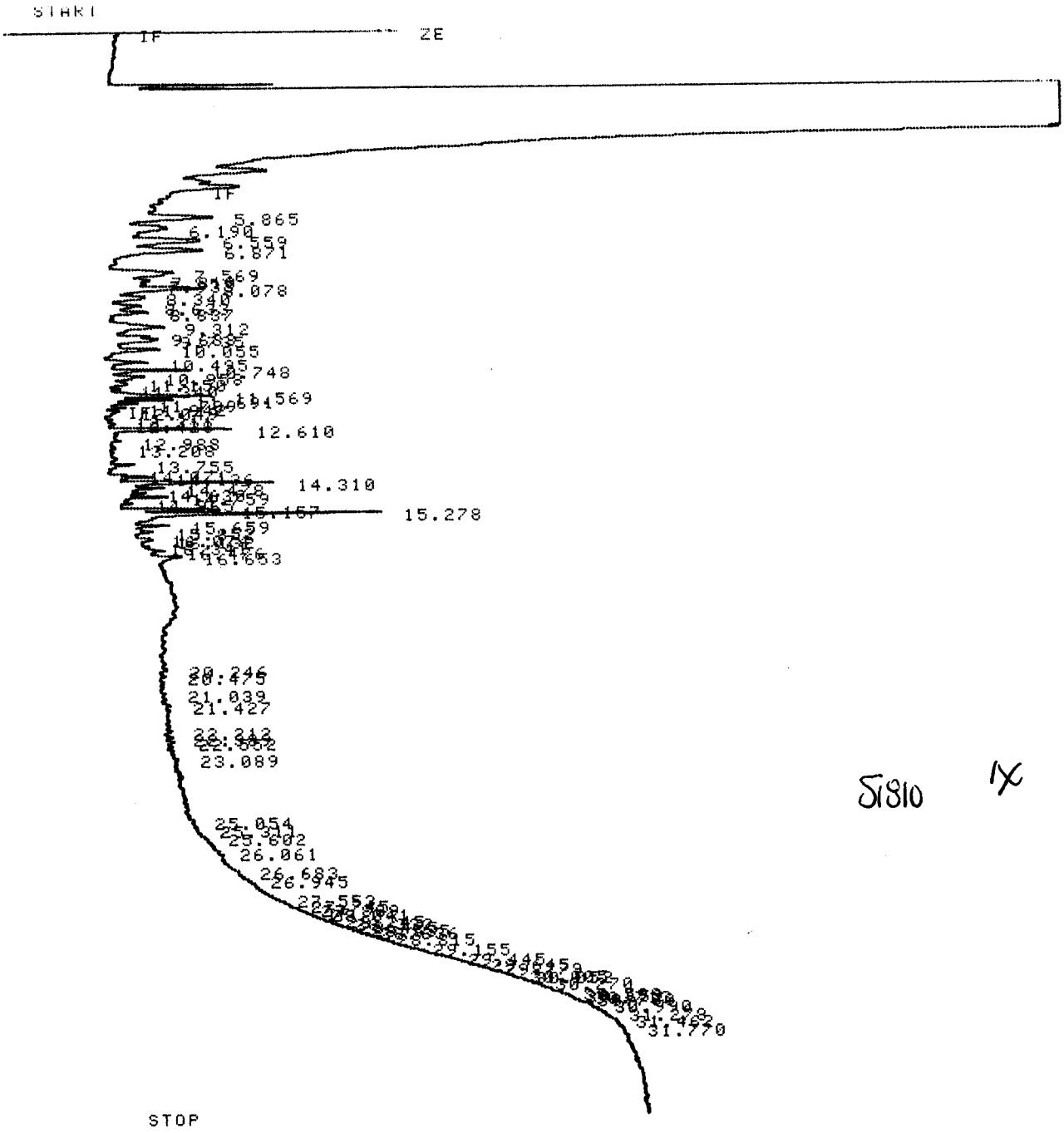
SAMPLE NAME: 51809 SAMPLE# 18
1X

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPM	NAME
20.000	++	1232	.069	297	1R	4.988	DIESEL <10ppm
29.540	BB	74	.176	7	2R	4.512	o-TERPHENYL

<35ppm N.D.

TOTAL AREA= 5164
MUL FACTOR=1.0000E+00



51810 1X

Error storing signal to A:Q12932A8.BNC
DISC DOES NOT EXIST

RUN# 10946 AUG 9, 2005 10:19:19

SAMPLE NAME: 51810 SAMPLE# 19
1X

ESTD-AREA

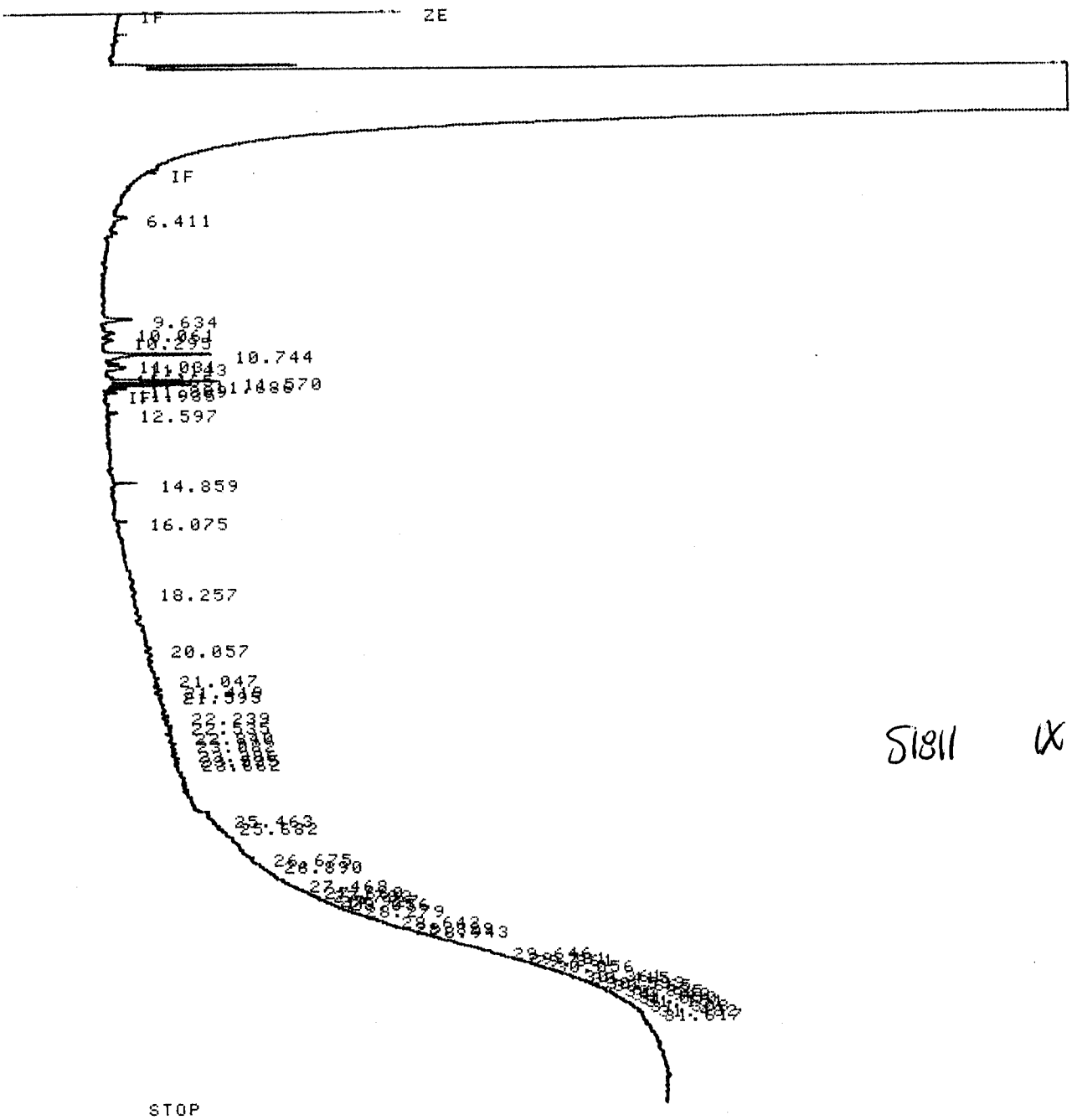
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPM	NAME
20.000	++	7696	.059	2167	1R	~~38.752~~	DIESEL NOT DIESEL; 110PPM
30.005	BB	63	.105	10	2R	3.841	o-TERPHENYL SEE GAS DATA

<2.35PPM M.O

TOTAL AREA= 20813
MUL FACTOR=1.0000E+00

RUN #10947 AUG 9, 2005 10:59:39

START



51811 1X

Error storing signal to A:01293C1C.BNC
DISC DOES NOT EXIST

RUN# 10947 AUG 9, 2005 10:59:39

SAMPLE NAME: 51811 SAMPLE# 20
1X

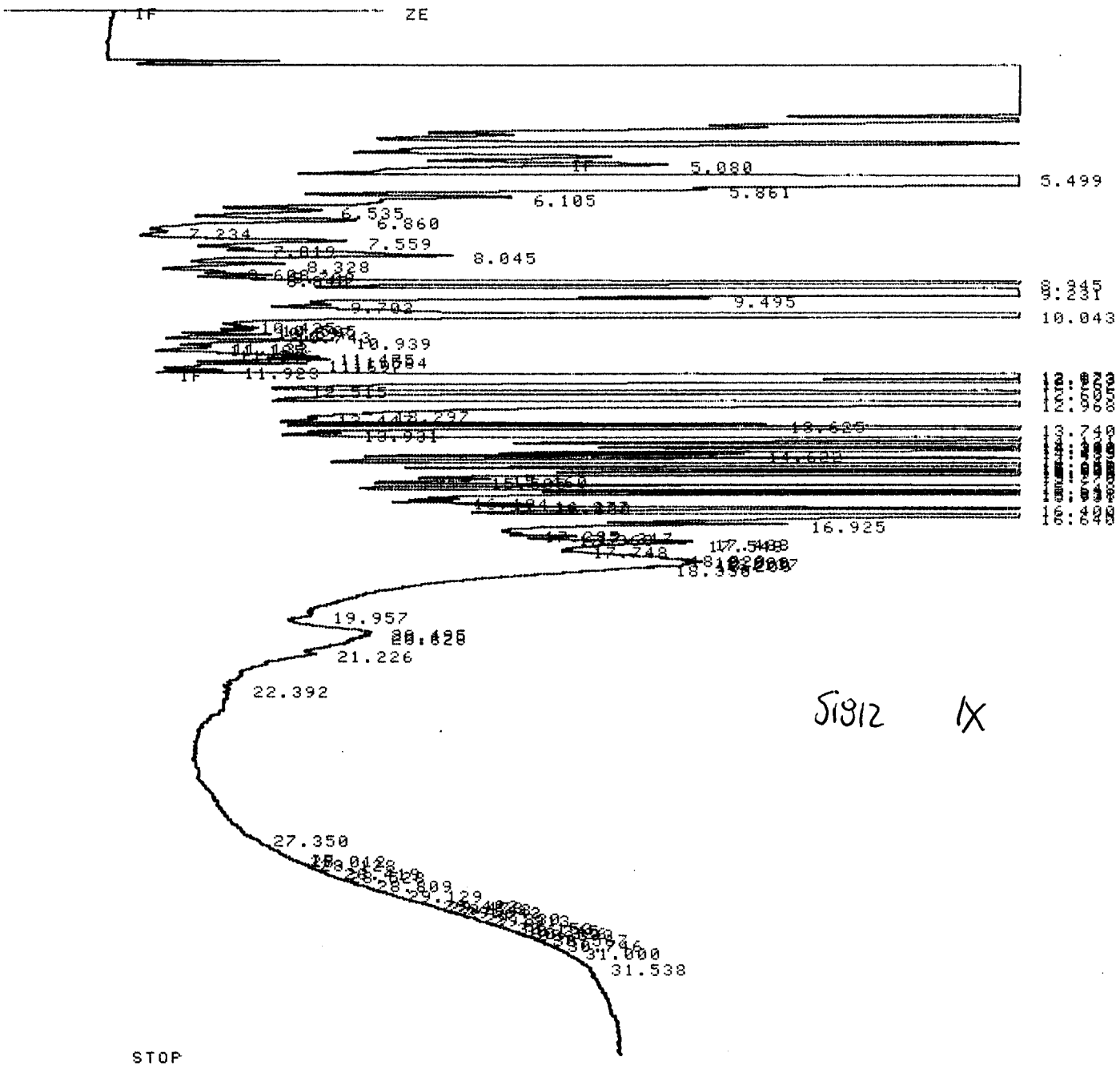
ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPM	NAME
20.000	++	1139	.057	335	1R	4.612	DIESEL <10ppm
30.361	VB	68	.142	8	2R	4.146	o-TERPHENYL

<35 PPM M.D

TOTAL AREA= 5406
MUL FACTOR=1.0000E+00

START



51812 1X

STOP

Error storing signal to A:Q1294594.BNC
DISC DOES NOT EXIST

RUN# 10948 AUG 9, 2005 11:40:03

SAMPLE NAME: 51812 SAMPLE# 21
1X

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	PPM	NAME
20.000	++	645386	.044	241875	1R	~~1399~~.366	DIESEL
28.809	BB	70	.194	6	2R	4.268	o-TERPHENYL

NOT DIESEL; LIOPPM
SEE GAS DATA

~35 PPM M.J

TOTAL AREA=1963056
MUL FACTOR=1.0000E+00

Code List

Code	Name
!	Out of control limits
1C	First Column Result - The Value Obtained from the First Column
2C	Second Column Result - The Value Obtained from the Second Column
<	Less Than
=	Equal To
>	Greater Than
AAC	American Analytics, Chatsworth, CA
AACS	Aspen Analytical, Colorado Springs, CO
ABCP	ABC Environmental Laboratories, Pico Rivera, CA
ACTD	Accutest Mid-Atlantic, Dayton, NJ
ACTH	Accutest Gulfcoast, Houston, TX
ACTM	Accutest New England, Marlborough, MA
ACTO	Accutest Southeast, Orlando, FL
ACZ	ACZ Laboratories, Steamboat, CO
AEH	AEH
AEHA	Army Environmental Hygiene Agency (AEHA), APG, MD
AEIW	AN/EN Inc., Watsonville, CA
AELF	American Environmental Laboratories, Pensacola, FL
AENP	American Environmental Network, Portland, OR
AETB	American Environmental Testing Laboratory, Inc., Burbank, CA
ALAB	Associated Laboratories, Orange, CA
ALID	Acculabs, Inc., Davis, CA
ALPS	Alpha Analytical, Inc., Sparks, NV
ALPU	Alpha Analytical Laboratories, Ukiah, CA
ALTC	Alta Analytical Lab Incorporated, El Dorado Hills, CA
APHC	Applied Physics & Chemistry Laboratory, Chino, CA
APPL	Agriculture & Priority Pollutants Laboratories, Fresno, CA
ARDL	Applied Research and Development Lab, Inc., (ARDL) Mt. Vernon, IL
ARGC	Argon Laboratories, Ceres, CA
ARI	Analytical Resources, Inc., Seattle, WA
ASCI	Analytical Sciences, Petaluma, CA
ASLL	American Scientific Laboratories, LLC, Los Angeles, CA
ATCA	Analytica Alaska, Inc., Anchorage, AK
ATCC	Analytica Environmental Labs, Inc., Thornton, CO
ATCJ	Analytica Alaska, Inc., Juneau, AK
ATEM	Asbestos TEM Laboratories, Berkeley, CA
ATIA	Analytical Technologies, Inc., Anchorage, AK
ATIR	Analytical Technologies, Inc., Renton, WA
ATIS	Analytical Technologies, Inc., San Diego, CA
ATLC	Air Technology Laboratories, City of Industry, CA
ATOX	Air Toxics LTD, Folsom, CA
AVTS	Advanced Technology Laboratories, Signal Hill, CA
AXYS	Axys Analytical Services, Ltd., Sidney, B.C., Canada
BAAP	Badger Army Ammunition Plant (OLIN Corp.) Env. Lab, Baraboo, WI
BASH	Baseline Analytical Services, Huntington Beach, CA
BAW	Bace Analytical, Windsor, CA
BCE	Brown & Caldwell Analytical Lab, Emeryville, CA
BCLB	BC Laboratories, Bakersfield, CA
BD	Blank Spike Duplicate
BDO	Battelle Duxbury Operations, Duxbury, MA
BLPH	Block Environmental Services, Pleasant Hill, CA
BLR	Basic Laboratory, Redding, CA
BMLA	Boreochem Mobile Lab & Analytical Services

Code	Name
BMSS	Battelle Marine Sciences Laboratory, Sequim, WA
BRS	Brelje & Race, Santa Rosa, CA
BS	Blank Spike
BSKL	BSK Laboratories, Inc., Fresno, CA
BVLB	BioVir Laboratories, Inc., Benicia, CA
CALA	Castle Analytical Laboratory, Atwater, CA
CALN	Caltest Analytical Laboratory, Napa, CA
CALR	Centrum Analytical Laboratories, Inc., Riverside, CA
CALS	Centrum Analytical Laboratories, Inc., Signal Hill, CA
CAPC	CAPCO Analytical Services, Inc., Ventura, CA
CASB	Columbia Analytical Services, Inc., Bothell, WA
CASD	Columbia Analytical Services, Inc., Redding, CA
CASH	Columbia Analytical Services, Inc., Houston, TX
CASK	Columbia Analytical Services, Inc., Kelso, WA
CASL	Columbia Analytical Services, Inc., Canoga Park, CA
CASP	Columbia Analytical Services, Inc., Phoenix, AZ
CAWL	California Water Labs, Inc., Modesto, CA
CB	Calibration Blank
CC	Continuing Calibration Verification
CDL	Contract Required Detection Limit
CDM	CDM Federal Programs Corporation
CELG	Calscience Envrionmental Laboratories, Inc., Garden Grove, CA
CELL	Creek Environmental Laboratories, Inc., San Luis Obispo, CA
CELR	Chevron Environmental Laboratory, Richmond, CA
CELS	Chemical & Environmental Laboratories, Inc., Santa Fe Springs, CA
CFWM	City of Fresno Wastewater Managment, Fresno, CA
CHEM	Chemic Laboratory, San Diego, CA
CHMC	CH2M Hill Analytical Services, Corvallis, OR
CHMM	CH2M Hill Analytical Services, Montgomery, AL
CHRP	ChromaLab, Inc., Pleasanton, CA
CKY	CKY Inc., Torrance, CA
CLPA	Contract Laboratory Program Accuracy Limits for Spiked Samples
CLPCC	CLP Continuing Calibration Acceptance Criteria
CLPIC	CLP Initial Calibration Acceptance Criteria
CLPLR	Contract Laboratory Program Precision for Lab Replicates
CLPP	Contract Laboratory Program Precision Limits for Spiked Samples
CLSR	California Laboratory Services, Rancho Cordova, CA
CLTP	Clayton Environmental Consultants, Inc., Pleasanton, CA
CRLB	Century Refining (CENREF) Labs, Inc., Brighton, CO
CRLS	CRL Environmental Laboratories, Sacramento, CA
CS	Client Sample
CTB	Curtis & Tompkins, Berkeley, CA
CTE	CT&E Environmental Services, Inc., Anchorage, AK
CTEC	CT&E Environmental Services, Inc., Charleston, WV
CTEP	Cal Tech Environmental Laboratories, Inc., Paramount, CA
CTES	Chemtek Environmental Laboratories, Santa Fe Springs, CA
CTLM	Cooper Testing Laboratory, Mountain View, CA
CWTB	Commonwealth Technologies, Baraboo, WI
DCHM	DataChem Laboratories, Inc., Salt Lake City, UT
DDL	Method Defined Detection Limit
DELB	Delta Environmental Laboratories, Benicia, CA
DHLR	DHL Analytical, Round Rock, TX
DLLC	Davy Laboratories, LaCrosse, WI
DLP	Davi Laboratories, Pinole, CA
DMAC	Del Mar Analytical, Colton, CA

Code	Name
DMAI	Del Mar Analytical, Irvine, CA
DMAP	Del Mar Analytical, Phoenix, AZ
DMP	D & M Laboratories, Petaluma, CA
DOWL	Dowl Engineering Alaska Test Labs, Anchorage, AK
DTAS	D-TEK Analytical Laboratories, Inc., San Diego, CA
DU	Data Unavailable
DU	Data Unavailable
EALS	Entech Analytical Labs, Inc., Santa Clara, CA
EALY	Entech Analytical Labs, Inc., Sunnyvale, CA
EASL	Environmental Analytical Services, Inc., Luis Obispo, CA
EBA	EBA
EBMU	East Bay Municipal Utility District Laboratory, Oakland, CA
ECEN	Ecology & Environment, Inc.
ECGB	EnChem, Green Bay, WI
ECI	EcoChem, Inc., Seattle, WA
ECIP	Enviro-Chem, Inc., Pomona, CA
ECLL	Environmental Chemistry Lab at LLNL, Livermore, CA
EEIS	Envirodyne Engineers, Inc., St. Louis, MO
EELR	Excelchem Environmental Labs, Roseville, CA
EELS	Environmental Engineering Laboratory, San Diego, CA
EMAS	EnviroMatrix Analytical, Inc., San Diego, CA
EMXT	EMAX Laboratories, Inc., Torrance, CA
EQL	Estimated Quantitation Limit
EQLS	Environmental Quality Laboratory at UTC, San Jose, CA
ESBR	E. S. Babcock & Sons, Inc., Riverside, CA
ESTI	Environmental Support Technologies, Inc., Irvine, CA
ETCS	ETC, Santa Rosa, CA
FBIS	Friedman & Bruya, Inc., Seattle, WA
FGIS	Frontier Geosciences, Inc., Seattle, WA
FGL	Fruit Growers Laboratory, Inc., Stockton, CA
FGLE	FGL Environmental, Santa Paula, CA
FORA	Forensic Analytical
GALM	GeoAnalytical Laboratories, Inc., Modesto, CA
GBLR	Great Basin Laboratories, Inc., Reno, NV
GELC	General Engineering Laboratories, Inc., Charleston, SC
GENC	GTEL Environmental Labs, Inc., Concord, CA
GPLG	GPL Laboratories, LLLP, Gaithersburg, MD
HALB	Halcyon Laboratories, Bakersfield, CA
HEAA	Hall Environmental Analysis Laboratory, Albuquerque, NM
HLV	Herguth Laboratories, Inc., Vallejo, CA
HPLE	HP Labs, Escondido, CA
IC	Initial Calibration Verification
IDL	Instrument Detection Limit
IN	Internal Standard
JEIF	Jones Environmental, Inc., Fullerton, CA
KD	Known (External Reference Material) Duplicate
KESM	Kemron Environmental Services, Marietta, OH
KIC	KIC Lab, Prudhoe Bay, AK
KIFF	Kiff Analytical LLC, Davis, CA
KLIA	Kinnetic Laboratories, Inc., Anchorage, AK
KLIC	Kinnetic Laboratories, Inc., Carlsbad, CA
KLIL	Kinnetic Laboratories, Inc., Lahhaina, HI
KLIS	Kinnetic Laboratories, Inc., Santa Cruz, CA
KLR	Kensington Laboratories, Richmond, CA
KMO	Kinder Morgan, Orange, CA

Code	Name
KPIS	KPrime, Inc., Santa Rosa, CA
LAB1	Laboratory 1
LAB2	Laboratory 2
LAL	Lockheed Analytical Laboratory, Las Vegas, NV
LASL	Los Alamos Scientific Laboratory, Los Alamos, NM
LB	Lab Blank
LCC	Laboratory Continuing Calibration Accuracy
LCLW	LifeChem Laboratory Services, Woodland Hills, CA
LDC	Laboratory Data Consultants
LIC	Laboratory Initial Calibration Accuracy
LL	Lancaster Laboratories, Inc., Lancaster, PA
LLD	Lowest Level of Detection
LLR	Laboratory Established Precision for Lab Replicates
LOQ	Limit of Quantitation
LR	Lab Replicate
LSA	Laboratory Sample Accuracy for Spiked Samples
LSP	Laboratory Sample Precision for Spiked Samples
LTL	Laucks Testing Lab, Inc.
MCAP	McCampbell Analytical, Pacheco, CA
MCLL	Mobile Chem Labs, Inc., Lafayette, CA
MDL	Method Detection Limit
MEA	Method Established Accuracy for Spiked Samples
MEC	MEC Analytical Systems, Inc., Carlsbad, CA
MECC	Method Established Continuing Calibration Acceptance Criteria
MEIC	Method Established Initial Calibration Acceptance Criteria
MELR	Method Established Precision for Laboratory Replicates
MEP	Method Established Precision for Spiked Samples
MLIC	Michelson Laboratories, Inc., Commerce, CA
MLR	Matrix Laboratory Replicate Precision
MOLE	Mobile One Laboratories, Inc., Escondido, CA
MRL	Method Reporting Limit (lowest standard adjusted for prep.)
MS	GC/MS Result - Value Confirmed Using GC/MS
MS	Lab Matrix Spike
MSA	Matrix Spike Accuracy for Spiked Samples
MSLV	MID-STATE Laboratory LLC, Visalia, CA
MSP	Matrix Spike Precision for Spiked Samples
MSSL	Mountain States Analytical, Salt Lake City, UT
MWHM	MWH Labs, Monrovia, CA
MWLP	Montgomery Watson Laboratories, Pasadena, CA
NA	Not Applicable
NA	Not Available - Result Not Available
NC	Non-Client Sample
NCAA	North Creek Analytical, Anchorage, AK
NCAB	North Creek Analytical, Bothell, WA
NCAC	North Creek Analytical, Bend, OR
NCAP	North Creek Analytical, Beaverton, OR
NCAS	North Creek Analytical, Spokane, WA
NCLA	North Coast Laboratories, Arcata, CA
ND	Not Detected
NELL	NEL Laboratories, Inc., Las Vegas, NV
NLSC	Northern Lake Service, Crandon, WI
NR	Not Reported - Data Not Reported
NRES	Navy Regional Environmental Lab, San Diego, CA
NSEF	North State Environmental, South San Francisco, CA
NSLF	North State Labs, South San Francisco, CA

Code	Name
NTL	Northern Testing Laboratories, Anchorage, AK
NTLF	Northern Testing Laboratories, Fairbanks, AK
NU	Not Usable - Data Not Usable
NWCC	Northwest Colorado Consultants, Inc., Steamboat Springs, CO
OCAT	Orange Coast Analytical, Inc., Tustin, CA
OECS	Oilfield Environmental and Compliance, Santa Maria, CA
OEIR	OnSite Environmental, Inc., Redmond, WA
PA	Present/Absent
PAC	Pacific Analytical, Carlsbad, CA
PAIR	Precision Analytical, Inc., Richmond, CA
PAIS	Performance Analytical, Inc., Simi Valley, CA
PALA	Pacific Analytical Laboratory, Alameda, CA
PARA	Paragon Analytics, Inc., CO
PASA	Pace Analytical Services, Inc., Asheville, NC
PASC	Pace Analytical Services, Inc., Huntersville, NC
PASH	Pace Analytical Services, Inc., Houston, TX
PASI	Pace Analytical Services, Inc., Indianapolis, IN
PASN	Pace Analytical Services, Inc., St. Rose, LA
PCL	Pat-Chem Laboratories, Moorpark, CA
PDMW	Paradigm Analytical Laboratories, Wilmington, NC
PETS	Precision Enviro-Tech, Stockton, CA
PHLE	Philip Environmental
PIC	Pace Analytical Services, Inc., Camarillo, CA
PIHB	Pace Analytical Services, Inc., Huntington Beach, CA
PIL	Pace Analytical Services, Inc., Lenexa, KS
PIM	Pace Analytical Services, Inc., Minneapolis, MN
PIN	Pace Analytical Services, Inc., Novato, CA
PINY	Pace Analytical Services, Inc., New York, NY
PIP	Pace Analytical Services, Inc., Pittsburgh, PA
PITB	Pace Analytical Services, Inc., Tampa Bay, FL
PIWF	Pace Analytical Services, Inc., Wappingers Falls, NY
PLSA	Positive Lab Service, Los Angeles, CA
PLW	Perry Laboratory, Watsonville, CA
PNLE	Pacific Northwest Laboratories, Eugene, OR
PQL	Practical Quantitation Limit
PR	Primary Result - The Primary Result for a Parameter
PRL	Parameter Range Limit
QALA	Quality Analytical Laboratores, Inc., Montgomery, AL
QALC	Quality Analytical Laboratories, Inc., Redding, CA
RCHR	RCH Research & Env. Laboratories, Inc., Rancho Dominquez, CA
RFWC	Roy F. Weston, West Chester, PA
RFWS	Roy F. Weston, Stockton, CA
RM	Known (External Reference Material)
RS	Reagent Solvent
SAFW	Star Analytical, Fort Worth, TX
SALR	Shasta Analytical Laboratory, Inc., Redding, CA
SAS	Sound Analytical Services, Inc., Tacoma, WA
SBSA	Both Reagent and Matrix Sample Accuracy for Surrogates
SBSP	Both Reagent and Matrix Sample Precision for Surrogates
SC3S	S-Cubed, A Division of Maxwell Laboratories, Inc., San Diego, CA
SCLA	Contract Laboratory Program Limits for Surrogate Accuracy
SCLP	Contract Laboratory Program Limits for Surrogate Precision
SCLW	Soil Control Lab, Watsonville, CA
SCST	Southern California Soil & Testing, Inc., San Diego, CA
SD	Lab Matrix Spike Duplicate

Code	Name
SDGE	Environmental Analysis Lab, SDGE, San Diego, CA
SEMS	Sierra Environmental Monitoring, Sparks, NV
SEQC	Sequoia Analytical Laboratories, Inc., San Carlos, CA
SEQM	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
SEQP	Sequoia Analytical Laboratories, Inc., Petaluma, CA
SEQS	Sequoia Analytical Laboratories, Inc., Sacramento, CA
SEQW	Sequoia Analytical Laboratories, Inc., Walnut Creek, CA
SGSA	SGS Environmental Services Inc., Anchorage, AK
SGSL	SGS Michigan Division, Ludington, MI
SHLH	Sherwood Labs Corporation, Hilmar, CA
SIRL	Sierra Analytical Labs, Inc., Laguna Hills, CA
SLSA	Laboratory Sample Limits for Accuracy for Surrogates
SLSP	Laboratory Sample Limits for Precision for Surrogates
SMEA	Method Established Limits for Accuracy for Surrogates
SMEP	Method Established Limits for Precision for Surrogates
SMSA	Sample Matrix Limits for Accuracy for Surrogates
SMSP	Sample Matrix Limits for Precision for Surrogates
SPEC	Spectra Laboratory, Inc., Tacoma, WA
SPLH	SPL Houston Laboratory, Houston, TX
SPLL	SPL Lafayette Laboratory, Scott, LA
SPLM	SPL Michigan Laboratory, Traverse City, MI
SR	Semi-Quantitative Result
SRAD	Standard Reference Accuracy Defined by Agency/Manufacturer
SRMA	Standard Reference Material Accuracy Limits Determined by Lab
SRMP	Standard Reference Material Precision Limits Determined by Lab
SRPD	Standard Reference Precision Defined by Agency/Manufacturer
SSLE	SunStar Laboratories, Inc., Encinitas, CA
SSLT	SunStar Laboratories, Inc., Tustin, CA
STCL	STL ChromaLab, Inc., Pleasanton, CA
STEH	Sierra Testing Lab, El Dorado Hills, CA
STIS	Sparger Technology, Inc., Sacramento, CA
STL1	STL Denver, Arvada, CO
STL2	Severn Trent Laboratories, Edison, NJ
STL3	STL Los Angeles, Santa Ana, CA
STL4	Severn Trent Laboratories, Miramar, FL
STL5	Severn Trent Laboratories, Newburgh, NY
STL6	Severn Trent Laboratories, Colchester, VT
STL8	STL Seattle, Seattle, WA
STLB	Severn Trent Laboratories, Sparks, MD
STLC	Severn Trent Laboratories, North Canton, OH
STLD	Severn Trent Laboratories, Austin, TX
STLE	Severn Trent Laboratories, Tallahassee, FL
STLF	Severn Trent Laboratories, Tampa, FL
STLG	Severn Trent Laboratories, Savannah, GA
STLH	Severn Trent Laboratories, Houston, TX
STLI	Severn Trent Laboratories, Pensacola, FL
STLJ	Severn Trent Laboratories, N. Billerica, MA
STLK	STL Knoxville, Knoxville, TN
STLL	Severn Trent Laboratories, Earth City, MO
STLM	Severn Trent Laboratories, Monroe, CT
STLO	Severn Trent Laboratories, Mobile, AL
STLP	STL Pittsburgh, Pittsburgh, PA
STLQ	Severn Trent Laboratories, Amherst, NY
STLR	Severn Trent Laboratories, Richland, WA
STLS	STL Sacramento, West Sacramento, CA

Code	Name
STLT	Severn Trent Laboratories, Austin, TX (Quanterra)
STLU	Severn Trent Laboratories, University Park, IL
STLV	Severn Trent Laboratories, Valparaiso, IN
STLW	Severn Trent Laboratories, Westfield, MA
STLX	Severn Trent Laboratories, Tampa, FL (Savannah)
STLY	Severn Trent Laboratories, Whippany, NJ
STLZ	Severn Trent Laboratories, Corpus Christi, TX
STSM	Southland Technical Services, Inc., Montebello, CA
SU	Surrogate
SWAA	Shannon & Wilson, Inc., Anchorage, AK
SWLB	Southwest Laboratory, Broken Arrow, OK
SWRI	Southwest Resarch Institute, San Antonio, TX
TAN	TestAmerica - Nashville Division, Nashville, TN
TDL	Target Method Detection Limit
TDLT	Truesdail Laboratories, Inc., Tustin, CA
TEGR	TEG Northern California, Inc., Rancho Cordova, CA
TGGB	TEG, Solana Beach, CA
TI	Tentatively Identified Compound
TLF	Twining Labs, Fresno, CA
TLIT	Turner Laboratories, Inc., Tucson, AZ
TLM	Torrent Laboratory, Milpitas, CA
TRID	Triangle Laboratories, Inc., Durham, NC
TSIW	ToxScan, Inc., Watsonville, CA
WALC	Western Analytical Laboratories, Inc., Chino, CA
WCAS	West Coast Analytical Services, Inc., Santa Fe Springs, CA
WLIC	Weck Laboratories, Inc., City of Industry, CA
WPEL	City of LA Dept. Water & Power Environ. Lab, Los Angeles, CA
ZALB	Zalco Laboratories, Inc., Bakerfield, CA
ZXEO	ZymaX envirotechnology, San Luis Obispo, CA

Error Summary Log

08/11/05

EDF 1.2i All files present in deliverable.

Laboratory:	Shasta Analytical Laboratory, Inc., Redding, CA
Project Name:	OLD DAIRY PLANT
Work Order Number:	003003.
Global ID:	T0601500101
Lab Report Number:	OLD DAIRY

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
OLD DAIRY	MW-1	51805	W	CS	8260FA	SW5030B	08/02/05	08/08/05	08/08/05	8260-0808	1	
OLD DAIRY	MW-1	51805	W	CS	CATPH-D	SW3510C	08/02/05	08/08/05	08/08/05	8015D-0808	1	
OLD DAIRY	MW-1	51805	W	CS	SW8020F	SW5030B	08/02/05	08/08/05	08/08/05	8020-0808	1	
OLD DAIRY	MW-2	51806	W	CS	8260FA	SW5030B	08/02/05	08/08/05	08/08/05	8260-0808	1	
OLD DAIRY	MW-2	51806	W	CS	CATPH-D	SW3510C	08/02/05	08/08/05	08/08/05	8015D-0808	1	
OLD DAIRY	MW-2	51806	W	CS	SW8020F	SW5030B	08/02/05	08/08/05	08/08/05	8020-0808	1	
OLD DAIRY	MW-3	51807	W	CS	8260FA	SW5030B	08/02/05	08/08/05	08/08/05	8260-0808	1	
OLD DAIRY	MW-3	51807	W	CS	CATPH-D	SW3510C	08/02/05	08/08/05	08/08/05	8015D-0808	1	
OLD DAIRY	MW-3	51807	W	CS	SW8020F	SW5030B	08/02/05	08/08/05	08/08/05	8020-0808	1	
OLD DAIRY	MW-4	51808	W	CS	8260FA	SW5030B	08/02/05	08/08/05	08/08/05	8260-0808	1	
OLD DAIRY	MW-4	51808	W	CS	CATPH-D	SW3510C	08/02/05	08/08/05	08/08/05	8015D-0808	1	
OLD DAIRY	MW-4	51808	W	CS	SW8020F	SW5030B	08/02/05	08/08/05	08/08/05	8020-0808	1	
OLD DAIRY	MW-5	51809	W	CS	8260FA	SW5030B	08/02/05	08/08/05	08/08/05	8260-0808	1	
OLD DAIRY	MW-5	51809	W	CS	CATPH-D	SW3510C	08/02/05	08/08/05	08/08/05	8015D-0808	1	
OLD DAIRY	MW-5	51809	W	CS	SW8020F	SW5030B	08/02/05	08/08/05	08/08/05	8020-0808	1	
OLD DAIRY	MW-6	51810	W	CS	8260FA	SW5030B	08/02/05	08/08/05	08/08/05	8260-0808	1	
OLD DAIRY	MW-6	51810	W	CS	CATPH-D	SW3510C	08/02/05	08/08/05	08/08/05	8015D-0808	1	
OLD DAIRY	MW-6	51810	W	CS	SW8020F	SW5030B	08/02/05	08/08/05	08/08/05	8020-0808	1	
OLD DAIRY	MW-7	51811	W	CS	8260FA	SW5030B	08/02/05	08/08/05	08/08/05	8260-0808	1	
OLD DAIRY	MW-7	51811	W	CS	CATPH-D	SW3510C	08/02/05	08/08/05	08/08/05	8015D-0808	1	
OLD DAIRY	MW-7	51811	W	CS	SW8020F	SW5030B	08/02/05	08/08/05	08/08/05	8020-0808	1	
OLD DAIRY	MW-8	51812	W	CS	8260FA	SW5030B	08/02/05	08/08/05	08/08/05	8260-0808	1	
OLD DAIRY	MW-8	51812	W	CS	CATPH-D	SW3510C	08/02/05	08/08/05	08/08/05	8015D-0808	1	
OLD DAIRY	MW-8	51812	W	CS	SW8020F	SW5030B	08/02/05	08/08/05	08/08/05	8020-0808	1	
		51814	W	NC	SW8020F	SW5030B	/ /	08/08/05	08/08/05	8020-0808	1	
		LCSD-0808	W	BD1	CATPH-D	SW3510C	/ /	08/08/05	08/08/05	8015D-0808	1	
		LCS-0808	W	BS1	CATPH-D	SW3510C	/ /	08/08/05	08/08/05	8015D-0808	1	
		MB-0808	W	LB1	CATPH-D	SW3510C	/ /	08/08/05	08/08/05	8015D-0808	1	
		LCS-0808	W	BS1	SW8020F	SW5030B	/ /	08/08/05	08/08/05	8020-0808	1	
		MB-0808	W	LB1	SW8020F	SW5030B	/ /	08/08/05	08/08/05	8020-0808	1	
		51814	W	MS1	SW8020F	SW5030B	/ /	08/08/05	08/08/05	8020-0808	1	
		51814	W	SD1	SW8020F	SW5030B	/ /	08/08/05	08/08/05	8020-0808	1	
		LCS-0808	W	BS1	8260FA	SW5030B	/ /	08/08/05	08/08/05	8260-0808	1	
		MB-0808	W	LB1	8260FA	SW5030B	/ /	08/08/05	08/08/05	8260-0808	1	
		51805	W	MS1	8260FA	SW5030B	/ /	08/08/05	08/08/05	8260-0808	1	
		51805	W	SD1	8260FA	SW5030B	/ /	08/08/05	08/08/05	8260-0808	1	

EDFSAMP: Error Summary Log

08/11/05

Error type	Logcode	Projname	Npdlwo	Sampid	Matrix
There are no errors in this data file					

EDFTEST: Error Summary Log

08/11/05

Error type	Labsampid	Qccode	Anmcode	Exmcode	Anadate	Run number
There are no errors in this data file					/ /	0

EDFRES: Error Summary Log

08/11/05

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	51805	CS	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51805	CS	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51805	CS	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51805	CS	W	CATPH-D	PR	08/08/05	1	MOILC24C36
Warning: extra parameter	51805	CS	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	51805	CS	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51805	CS	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51805	MS1	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51805	MS1	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51805	MS1	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51805	SD1	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51805	SD1	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51805	SD1	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51806	CS	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51806	CS	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51806	CS	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51806	CS	W	CATPH-D	PR	08/08/05	1	MOILC24C36
Warning: extra parameter	51806	CS	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	51806	CS	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51806	CS	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51807	CS	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51807	CS	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51807	CS	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51807	CS	W	CATPH-D	PR	08/08/05	1	MOILC24C36
Warning: extra parameter	51807	CS	W	CATPH-D	PR	08/08/05	1	TPHC10C22

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	51807	CS	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51807	CS	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51808	CS	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51808	CS	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51808	CS	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51808	CS	W	CATPH-D	PR	08/08/05	1	MOILC24C36
Warning: extra parameter	51808	CS	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	51808	CS	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51808	CS	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51809	CS	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51809	CS	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51809	CS	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51809	CS	W	CATPH-D	PR	08/08/05	1	MOILC24C36
Warning: extra parameter	51809	CS	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	51809	CS	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51809	CS	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51810	CS	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51810	CS	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51810	CS	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51810	CS	W	CATPH-D	PR	08/08/05	1	BUNKERC
Warning: extra parameter	51810	CS	W	CATPH-D	PR	08/08/05	1	MOILC24C36
Warning: extra parameter	51810	CS	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	51810	CS	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51810	CS	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51811	CS	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51811	CS	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51811	CS	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51811	CS	W	CATPH-D	PR	08/08/05	1	BUNKERC
Warning: extra parameter	51811	CS	W	CATPH-D	PR	08/08/05	1	MOILC24C36

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	51811	CS	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	51811	CS	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51811	CS	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51812	CS	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	51812	CS	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	51812	CS	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	51812	CS	W	CATPH-D	PR	08/08/05	1	MOILC24C36
Warning: extra parameter	51812	CS	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	51812	CS	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51812	CS	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51814	MS1	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51814	MS1	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51814	NC	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51814	NC	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	51814	SD1	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	51814	SD1	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	LCS-0808	BS1	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	LCS-0808	BS1	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	LCS-0808	BS1	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	LCS-0808	BS1	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	LCS-0808	BS1	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	LCS-0808	BS1	W	SW8020F	PR	08/08/05	1	TPHC5C12
Warning: extra parameter	LCSD-0808	BD1	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	MB-0808	LB1	W	8260FA	PR	08/08/05	1	BR4FBZ
Warning: extra parameter	MB-0808	LB1	W	8260FA	PR	08/08/05	1	BZMED8
Warning: extra parameter	MB-0808	LB1	W	8260FA	PR	08/08/05	1	DBFM
Warning: extra parameter	MB-0808	LB1	W	CATPH-D	PR	08/08/05	1	TPHC10C22
Warning: extra parameter	MB-0808	LB1	W	SW8020F	PR	08/08/05	1	TFBZME
Warning: extra parameter	MB-0808	LB1	W	SW8020F	PR	08/08/05	1	TPHC5C12

EDFQC: Error Summary Log

08/11/05

Error type	Lablotctl	Anmcode	Parlabel	Qccode	Labqcid
There are no errors in this data files					

EDFCL: Error Summary Log

08/11/05

Error type	Clrevdate	Anmcode	Exmcode	Parlabel	Clcode
There are no errors in this data file	/ /				

Calscience Environmental Laboratories, Inc.

August 15, 2005

Lynn Coster
Shasta Analytical Laboratory
20280 Skypark Drive
Redding, CA 96002-9221

Subject: **Calscience Work Order No.: 05-08-0623**
Client Reference: 003003.00

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/9/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Shasta Analytical Laboratory
20280 Skypark Drive
Redding, CA 96002-9221

Date Received:	08/09/05
Work Order No:	05-08-0623
Preparation:	EPA 3510B
Method:	EPA 8310
Units:	ug/L

Project: 003003.00

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-6	**05-08-0623-1**	**08/02/05**	**Aqueous**	**08/09/05**	**08/11/05**	**050809L12**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) Anthracene	ND	1.0	1	
Fluoranthene	ND	1.0	1		Benzo (g,h,i) Perylene	ND	1.0	1	
Pyrene	ND	1.0	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	105	40-160	

MW-7	**05-08-0623-2**	**08/02/05**	**Aqueous**	**08/09/05**	**08/11/05**	**050809L12**		

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) Anthracene	ND	1.0	1	
Fluoranthene	ND	1.0	1		Benzo (g,h,i) Perylene	ND	1.0	1	
Pyrene	ND	1.0	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	79	40-160	

Method Blank	**099-07-003-617**	**N/A**	**Aqueous**	**08/09/05**	**08/11/05**	**050809L12**		

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) Anthracene	ND	1.0	1	
Fluoranthene	ND	1.0	1		Benzo (g,h,i) Perylene	ND	1.0	1	
Pyrene	ND	1.0	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	78	40-160	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Shasta Analytical Laboratory
20280 Skypark Drive
Redding, CA 96002-9221

Date Received:	N/A
Work Order No:	05-08-0623
Preparation:	EPA 3510B
Method:	EPA 8310

Project: 003003.00

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-003-617	Aqueous	HPLC 5	08/09/05	08/11/05	050809L12

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzo (b) Fluoranthene	104	112	40-160	8	0-20	
Benzo (k) Fluoranthene	102	114	40-160	12	0-20	
Benzo (a) Pyrene	115	126	40-160	10	0-20	
Dibenz (a,h) Anthracene	110	119	40-160	8	0-20	
Benzo (g,h,i) Perylene	110	118	40-160	7	0-20	
Indeno (1,2,3-c,d) Pyrene	98	106	40-160	8	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 05-08-0623

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

PLEASE RETURN ORIGINAL

LAWRENCE & ASSOCIATES
2001 Market Street, Room 523
Redding, California 96001
(530) 244-9703 FAX (530) 244-5021

CHAIN-OF-CUSTODY FORM

LABORATORY Shasta Analytical

PROJECT Old Dairy

JOB NUMBER 003003.00

CONTACT David Kirk

MATRIX: WATER	SOIL	WASTE	GAS			# CONTAINERS	METHOD PRESERVED: H_2SO_4	HNO_3	ICE	HCL	OTHER	SAMPLE NUMBER	SAMPLING DATE: YEAR	MO.	DAY	TIME	NOTE #	LABORATORY I.D. #	ANALYSIS REQUESTED: TPH-Gas/BTEX	TPH-Diesel/Motor Oil	5 oxygenates	Bunker Oil C	PNAs			
X												MW-1	05	08	02	1415		51805	X	X	X					
X												MW-2				1205		51806	X	X	X					
X												MW-3				1225		51807	X	X	X					
X												MW-4				1245		51808	X	X	X					
X												MW-5				1300		51809	X	X	X					
X												MW-6				1340		51810	X	X	X	X	X			
X												MW-7				1325		51811	X	X	X	X	X			
X												MW-8				1435		51812	X	X	X					

COMMENTS AND NOTES:
L & A GLOBAL ID # T0601500101
SITE ID #

PAGE 1 OF 1 BILL TO: L & A ☑ CLIENT ☐

CHAIN OF CUSTODY RECORD

SAMPLED BY: (Signature) Date/Hour	
RELINQUISHED BY: (Signature) Date/Hour 8/4/05 1130	RECEIVED BY: (Signature) 8/4/05 1130
RELINQUISHED BY: (Signature) Date/Hour 8/4/05 1615	RECEIVED BY: (Signature) Lynn Gavin 8/4/05 1615
RELINQUISHED BY: (Signature) Date/Hour	RECEIVED BY: (Signature)
DISPATCHED BY: (Signature) Date/Hour	RECEIVED BY: (Signature)

Attachment C
L&A Field Data Sheets

SAMPLING NOTES

Site Name: Crescent City Dairy Date: 8/2/05 Sampled by: DK

Global ID: T0601500101 MNA Site: Yes [ ] No [X]

Extra Equipment Needed: D.O. and turbidity meters.

	Well/ Field Point Name	Field Pt. Status[1]	DTW (feet)	PT (feet)	Sheen (Y or N)	Total Depth (feet)	pH (pH units)	EC (uS/cm)	Temp. (°C)	D.O. mg/L	Turbidity NTUs
6	MW-1		5.63			13.5	6.55	220	17.5	0.30	58.4
1	MW-2		5.74			13.5	6.22	163.3	16.7	2.92	10.45
	MW-3		5.63			13.5	6.21	166.7	18.0	2.41	3.25
	MW-4		4.59			13.5	6.01	161.8	19.1	0.59	177.0
	MW-5		4.73			13.5	6.43	420	18.8	0.28	29.2
7	MW-6		6.51			15	6.42	138.8	17.8	0.30	2.27
	MW-7		6.55			15	6.18	117.4	18.6	0.62	0.63
8	MW-8		5.18			15	7.26	501	17.5	0.24	0.24

PT=Product thickness.

[1] ACT –Active; DRY – dry; NOACC – currently no access to well; INACT – well not included in gw monitoring program; DEST – Destroyed; AB - Abandoned but not destroyed.

Comments

Full Drums: _____ Need Drum: _____

Notes: Use Shasta Analytical. Take multiple field readings. Test DO and turbidity.

Problems Encountered: _____

Old Dairy, Crescent City, California (Global ID: T0601500101)

Date 8/2/05 Sampled by DK

MW-1

Depth to water: 5.63 Dissolved Oxygen (mg/L) 0.30 Turbidity (NTUs) 58.4

Total Depth of Well (feet): 13.5 ORP = <-7

Time	pH (pH Units)	Temp. (°C)	EC (uS/cm)
1410	6.46	18.0	229
1415	6.55	17.5	220

Stabilized Values

1415	6.55	17.5	220

MW-2

Depth to water: 5.74 Dissolved Oxygen (mg/L) 2.92 Turbidity (NTUs) 10.45

Total Depth of Well (feet): 13.5 ORP = 127 m

Time	pH (pH Units)	Temp. (°C)	EC (uS/cm)
1200	6.29	16.6	163.3
1205	6.22	16.7	163.3

Stabilized Values

1205	6.22	16.7	163.3

MW-3

Depth to water: 5.63 Dissolved Oxygen (mg/L) 2.41 Turbidity (NTUs) 3.25

Total Depth of Well (feet): 13.5 ORP = 122

Time	pH (pH Units)	Temp. (°C)	EC (uS/cm)
1220	6.12	18.4	162.5
1225	6.21	18.0	166.1

Stabilized Values

1225	6.21	18.0	166.1

MW-4

Depth to water: 4.59 Dissolved Oxygen (mg/L) 0.59 Turbidity (NTUs) 177.0

Total Depth of Well (feet): 13.5 ORP = 119

Time	pH (pH Units)	Temp. (°C)	EC (uS/cm)
1240	5.94	19.4	160.4
1245	6.01	19.1	161.8

Stabilized Values

1245	6.01	19.1	161.8

MW-5

Depth to water: 4.73' Dissolved Oxygen (mg/L) 0.28 Turbidity (NTUs) 29.2

Total Depth of Well (feet): 13.5 ORP = (-79)

Time	pH (pH Units)	Temp. (°C)	EC (uS/cm)
1255	6.32	18.8	417
1300	6.43	18.8	420

Stabilized Values

1300	6.43	18.8	420

MW-6

Depth to water: 6.51 Dissolved Oxygen (mg/L) 0.30 Turbidity (NTUs) 2.27

Total Depth of Well (feet): 15 ORP = <-15>

Time	pH (pH Units)	Temp. (°C)	EC (uS/cm)
1335	6.31	18.2	139.8
1340	6.42	17.8	138.8

Stabilized Values

1340	6.42	17.8	138.8

MW-7

Depth to water: 6.55' Dissolved Oxygen (mg/L) 0.62 Turbidity (NTUs) 0.63

Total Depth of Well (feet): 15 ORP = 107

Time	pH (pH Units)	Temp. (°C)	EC (uS/cm)
1320	6.20	19.2	117.5
1325	6.18	18.6	117.4

Stabilized Values

1325	6.18	18.6	117.4

MW-8

Depth to water: 5.81' Dissolved Oxygen (mg/L) 0.24 Turbidity (NTUs) 7.72

Total Depth of Well (feet): 15 ORP = NR

Time	pH (pH Units)	Temp. (°C)	EC (uS/cm)
1425	7.16	18.1	751
1430	7.25	18.0	613

Stabilized Values

1435	7.26	17.5	501

Observations: _____

Full Drums: 1/3 Need Drum? _____