Treadwell&Rollo

15 August 2005
Project 2577.04

Mr. James Tischler
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Subject: **Groundwater Monitoring**
Village Gardens Development (Former Point St. George Fisheries Facility)
Santa Rosa, California

Dear Mr. Tischler:

This letter summarizes the results of the groundwater monitoring conducted at the Village Gardens Development (former Point St. George Fisheries facility) in Santa Rosa, California (Figure 1). This work was conducted by Treadwell & Rollo on behalf of Bugatto Santa Rosa Properties, Inc. and consisted of collecting and submitting groundwater samples from the seven temporary wells (TW-1 through TW-7) and six existing monitoring wells (MW-1 through MW-3 and P-1 through P-3) prior to abandoning the wells and prior to rough grading as part of the property redevelopment. Well abandonment was completed between 6 through 8 July 2005 and the well abandonment reports were submitted to the Department of Water Resources. The monitoring activities were performed in general accordance with the *Work Plan for Groundwater Characterization* (Work Plan) prepared by Treadwell & Rollo, dated 15 April 2005, which encompasses three stages of groundwater characterization and is part of the implementation of the *Revised Soil and Groundwater Management Plan* dated March 2004. The North Coast California Regional Water Quality Control Board (RWQCB) concurred with the Work Plan in a letter dated 19 April 2005.

GROUNDWATER SAMPLING ACTIVITIES

Between 30 June 2005 and 1 July 2005, groundwater elevations were measured, and groundwater sampling was performed at wells MW-1 through MW-3, P-1 through P-3, and TW-1 through TW-7 (Figure 2). Groundwater monitoring and sampling field forms are presented.

Groundwater-Level Measurements

Groundwater levels were measured on 30 June 2005 using an oil/water interface probe. The depth to groundwater across the Site ranged between approximately 6.70 feet to 11.63 feet below the top of the well casing. Based on these measurements, the groundwater elevations ranged between 138.08 and 140.94 feet above mean sea level in wells P-1 and TW-1, respectively. No free-phase hydrocarbons were detected in any of the monitored wells. However, the static water

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level was found to be above the top of well screen at seven locations (P-1, TW-1 through TW-3, and TW-5 through TW-7). Groundwater measurement levels and elevations are presented in Table 1 and Figure 2. The field Well Gauging Data form is included in Attachment A.

Monitoring Well Purging and Sampling

Between 30 June 2005 and 1 July 2005, all thirteen wells were purged and sampled in general accordance with the Work Plan. Prior to collecting groundwater samples, approximately three well casing volumes of water were purged using a submersible pump, and field parameters were measured including pH, temperature, conductance, dissolved oxygen (DO), oxidation/reduction potential (ORP), ferrous iron, and turbidity. Groundwater samples were then collected from each well using a disposable sample bailer. Each sample was placed in an appropriately preserved, laboratory-supplied sample container, labeled, and placed on ice in an insulated container for delivery to Curtis & Tompkins, Ltd., a California-certified laboratory located in Berkeley, California. The samples were accompanied by a chain-of-custody record during transport. Purging equipment, purging volumes, purge water parameters, and sampling equipment for each well are presented in the purge records included as Attachment A. Purge water was stored in 55-gallon drums for waste characterization.

Groundwater Analytical Program

As presented in the Work Plan, the groundwater samples were submitted for the following analyses:

- Total petroleum hydrocarbons in the gasoline range (TPHg) using EPA method 8015 modified; total petroleum hydrocarbons in the diesel range (TPHd), using EPA Method 8015 modified, and silica gel cleanup (SGCU) preparation using EPA Method SW3630C.

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) using EPA Method 8260b, and silica gel cleanup (SGCU) preparation using EPA Method SW3630C.

- Chlorinated hydrocarbons using EPA Method 8260b.

Groundwater samples from wells TW-2, TW-3, TW-5, and TW-7 were also analyzed for general chemistry parameters:

- Alkalinity by EPA Method 310.2;

- Chloride, nitrate, and sulfate by EPA Method 300;

- Manganese by EPA Method 6010;
- Biological Oxygen Demand (BOD) by EPA Method 405.1; and
- Chemical Oxygen Demand (COD) by EPA Method 410.4.

Quality assurance/quality control (QA/QC) samples were also collected and included field duplicate, trip blank and equipment rinsate samples (Tables 2 and 3). Duplicate samples were collected from wells TW-4 (DUP-1-2005-07-01) and TW-6 (DUP-2-2005-07-01) to estimate the precision of the laboratory analyses. Precision is assessed by calculating the Relative Percent Differences (RPD) for each pair of duplicate analyses, as shown below along with the RPD results:

$$RPD = \frac{\text{primary results - duplicate results}}{(\text{primary results + duplicate results})/2} \times 100\%$$

Relative Percent Difference (RPD) Results

Location/Duplicate	Compound	Primary Results (µg/L)	Duplicate Results (µg/L)	RPD
TW-4 DUP-1-2005-07-01	TPHd	770	620	22%
	PCE	2.8	2.8	0%
	TCE	1.4	1.5	7%
	cis-1,2-DCE	0.9	0.9	0%
	1,1-DCE	86	87	1%
	1,1-DCA	13	14	7%
	1,1,1-TCA	8.3	8.5	2%
TW-6 DUP-2-2005-07-01	TPHd	52	57	9%
	PCE	25	25	0%
	TCE	12	12	0%
	cis-1,2-DCE	5.3	5.2	2%
	1,1-DCE	2.6	2.6	0%
	1,1-DCA	<0.5	<0.5	--
	1,1,1-TCA	0.6	0.6	0%

µg/L = micrograms per liter

The RPDs of the primary and duplicate data are below 10% indicating acceptable laboratory precision. TPHg, BEXT and MTBE were not detected in the parent or duplicate samples.

A laboratory-prepared trip blank sample (TB-1-2005-07-01) was shipped with the cooler containing chlorinated hydrocarbons sample containers and submitted for 8260b analyses. An equipment rinsate sample was collected and submitted following the decontamination of the purge equipment. The rinsate sample (FB-1-2005-07-01) was analyzed for TPHg, TPHd, BTEX, MTBE, and chlorinated hydrocarbons. No analyzed compounds were detected in either the trip blank or equipment rinsate sample.

Internal laboratory QC consisted of method blanks and sample surrogate spikes. These QC samples characterized the precision and accuracy of laboratory results and evaluated if matrix interference affected analytical results. Based on the review of the QA/QC data, data qualification was not necessary. However, the laboratory noted that heavier TPHd compounds contributed to some of the quantified concentrations and some samples had chromatographic patterns that do not resemble standard chromatograms for TPHd (Attachment B).

ANALYTICAL RESULTS

The groundwater samples were analyzed for petroleum and chlorinated hydrocarbons. The samples from wells TW-2, TW-3, TW-5, and TW-7 were also analyzed for general chemistry parameters. The analytical results are presented in Tables 2 through 4. Copies of the laboratory data reports are included in Attachment B. The relative concentrations in groundwater are summarized below.

Petroleum Hydrocarbon Results

Petroleum hydrocarbons include TPHg, TPHd, BTEX, and MTBE. TPHg and BTEX compounds were not detected in any samples. MTBE was detected in two wells at concentrations of 1.3 µg/L at P-1 and 4.2 µg/L at P-3. TPHd, without silica gel cleanup, was detected in 10 wells ranging from 52 to 770 µg/L. The TPHd concentration were below the detection limit silica gel was used to remove biogenic compounds from the groundwater samples. Analytical results for these hydrocarbons, along with the respective RWQCB Water Quality Objectives (WQOs) levels, are presented in Table 2. In general, the detected concentrations are relatively consistent with concentration detected in the May 2005 groundwater sampling event.

Chlorinated Hydrocarbons Results

Chlorinated hydrocarbons were detected in all of the thirteen groundwater samples except well P-3 and included tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), and 1,1,1-trichloroethane (1,1,1-TCA). The concentrations and distribution of the detected chlorinated hydrocarbons are similar to that found in previous Site investigations. The absence

of vinyl chloride detections in the May 2005 groundwater monitoring event was confirmed during this groundwater monitoring event. Analytical results for these compounds, along with RWQCB WQOs, are presented in Table 3 and WQO exceedance are summarized below.

Chlorinated Hydrocarbons in Groundwater Summary

Compound	Number of Detections	Number of WQO Exceedances	Range of Detections (µg/L)
PCE	12	10	1.4 to 41
TCE	12	10	1.1 to 27
cis-1,2-DCE	11	0	0.8 to 5.3
1,1-DCE	3	1	0.6 to 86
1,1-DCA	1	1	13
1,1,1-TCA	5	0	0.6 to 8.3

µg/L = micrograms per liter

Dissolved Oxygen and General Chemistry Results

DO, ORP, Eh, and pH in groundwater were measured at the 13 wells during sampling activities and recorded on the field data sheets provided in Attachment A. General chemistry analyses were performed at the laboratory on samples from the following four wells:

- Upgradient perimeter well TW-2 (Figure 2),
- Well TW-3 located within the elevated TPHd plume (Figure 2),
- Well TW-5 located with the historical elevated chlorinated hydrocarbon and benzene plumes (Figure 2), and
- Well TW-7 located at the downgradient edge of the property (Figure 2).

In general, the DO and general chemistry results were similar to those detected in the May 2005 groundwater sampling event. The groundwater remained anaerobic with Eh results indicative of iron reduction. Significant changes occurred at TW-2 (manganese and COD both increased by over 400%), TW-3 (nitrate increased by 150%), and TW-5 (manganese increased by over 170%). DO and general chemistry results are presented in Table 4.

CONCLUSIONS

Analytical results confirmed that TPHd results in groundwater, after SGCU, are below the detection limits and that concentrations of TPHd prior to SGCU are similar to the TPHd concentrations detected in previous investigations. No concentrations of TPHg or BTEX were detected in the thirteen groundwater samples.

The concentrations of chlorinated hydrocarbons compounds were similar to those in previous investigations with the highest detected concentrations of PCE and TCE found at the upgradient perimeter well TW-2 and MW-2 the well immediately downgradient. The lowest detected concentrations of PCE and TCE were found at TW-4 and TW-5 located in proximity of TPH remediation excavations at former tanks UST1 and UST3 (Figure 2). The absence of vinyl chloride in the May 2005 groundwater monitoring event was confirmed during this current monitoring event.

Please call me or Patrick Hubbard at 415-955-9040 if you have any questions.

Sincerely yours,
TREADWELL & ROLLO, INC.

Brian K. Moore, PE
Senior Project Engineer

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Principal

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cc: Eugene Bugatto – Bugatto Santa Rosa Properties, Inc.
James Arnold – The Arnold Law Practice
Kent Byers – Christopherson Homes, Inc.
Linda Mackey-Taverner – SCS Engineers

Attachments: ***Report on First Stage of Groundwater Characterization*** dated 31 May 2005

Table 1	Groundwater Elevations
Table 2	Summary of Petroleum Hydrocarbons in Groundwater
Table 3	Summary of Chlorinated hydrocarbons in Groundwater
Table 4	Summary of Groundwater General Chemistry Parameters
Figure 1	Site Location Map
Figure 2	Potentiometric Surface Map 30 June 2005
Attachment A	Groundwater Monitoring and Sampling Field Forms
Attachment B	Certified Laboratory Reports and Chain-of-Custody Records

TABLES

Table 1
Groundwater Elevations
Point St. George Fisheries Facility
Santa Rosa, California

Well ID	Sample Date	Casing Diameter	Depth to Bottom of Casing	Top of Casing Elevation[1]	Depth to Water	Groundwater Elevation[1]
		inches	feet	feet	feet	feet
MW-1	05/16/05	2	23.0	152.09	9.48	142.61
	06/30/05				11.63	140.46
MW-2	05/16/05	2	23.0	151.52	8.72	142.80
	06/30/05				10.75	140.77
MW-3	05/16/05	2	23.0	147.3	4.71	142.59
	06/30/05				6.70	140.60
P-1	05/16/05	2	29.0	149.49	9.51	139.98
	06/30/05				11.41	138.08
P-2	05/16/05	2	28.0	150.49	7.76	142.73
	06/30/05				9.81	140.68
P-3	05/16/05	2	28.0	150.86	8.14	142.72
	06/30/05				10.13	140.73
TW-1	05/16/05	2	23.0	148.21	5.33	142.88
	06/30/05				7.27	140.94
TW-2	05/16/05	2	24.0	148.89	6.00	142.89
	06/30/05				8.04	140.85
TW-3	05/16/05	2	25.0	148.95	6.13	142.82
	06/30/05				8.20	140.75
TW-4	05/16/05	2	23.0	149.07	6.50	142.57
	06/30/05				8.70	140.37
TW-5	05/16/05	2	25.0	149.17	6.39	142.78
	06/30/05				8.40	140.77
TW-6	05/16/05	2	25.50	148.65	6.05	142.60
	06/30/05				8.16	140.49
TW-7	05/16/05	2	25.0	147.21	4.80	142.41
	06/30/05				7.05	140.16

Notes

[1] feet above City of Santa Rosa vertical datum (NGVD 29)

Table 2
Summary of Petroleum Hydrocarbons in Groundwater
Point St. George Fisheries
Santa Rosa, California

Well ID	Sample ID	Date	TPHg	TPHd	TPHd w/ SGCU	Benzene	Toluene	Ethyl-benzene	m,p-Xylenes	o-Xylene	MTBE
RWQCB North Coast Water Quality Objectives [1]			--	--	--	**1**	**150**	**680**	**1,750 [2]**	**1,750 [2]**	**13 [3]**
MW-1	MW-1-2005-5-16	5/16/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	MW-1-2005-07-01	7/1/2005	<50	65 Y	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2	MW-2-2005-5-16	5/16/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	MW-2-2005-07-01	7/1/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3	MW-3-2005-5-16	5/16/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	MW-3-2005-06-30	6/30/2005	<50	60 Y	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
P-1	P-1-2005-5-16	5/16/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.8
	P-1-2005-06-30	6/30/2005	<50	99 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	1.3
P-2	P-2-2005-5-16	5/16/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	P-2-2005-07-01	7/1/2005	<50	110 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
P-3	P-3-2005-5-16	5/16/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	4.3
	P-3-2005-07-01	7/1/2005	<50	160 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	4.2
TW-1	TW-1-2005-5-16	5/16/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	TW-1-2005-07-01	7/1/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TW-2	TW-2-2005-5-17	5/17/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	TW-2-2005-06-30	6/30/2005	<50	52 Y	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TW-3	TW-3-2005-5-17	5/17/2005	<50	620 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	TW-3-2005-06-30	6/30/2005	<50	510 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TW-4	TW-4-2005-5-16	5/16/2005	<50	660 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	DUP1-2005-5-16	5/16/2005	<50	670 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	TW-4-2005-07-01	7/1/2005	<50	770 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	DUP-1-2005-07-01	7/1/2005	<50	620 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TW-5	TW-5-2005-5-17	5/17/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	TW-5-2005-06-30	6/30/2005	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TW-6	TW-6-2005-5-16	5/16/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	DUP2-2005-5-16	5/16/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	TW-6-2005-07-01	7/1/2005	<50	52 Y	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	DUP-2-2005-07-01	7/1/2005	<50	57 Y	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TW-7	TW-7-2005-5-16	5/16/2005	<50	360 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	TW-7-2005-06-30	6/30/2005	<50	180 HY	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EB	EB1-2005-5-17	5/17/2005	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	FB-1-2005-07-01	7/1/2005	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB	TB1-2005-5-16	5/16/2005	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	TB1-2005-07-01	7/1/2005	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

1 Regional Water Quality Control Board (RWQCB) North Coast Region Basin Plan, 2000, Table 3-2 for domestic or municipal supply; Table 2-1 and page 2-1.00 indicates municipal and domestic supply for the Laguna de Santa Rosa hydrologic unit.

2 The North Coast Water Quality Objective listed is associated with total xylenes (i.e. the sum of m,p- and o-xylenes).

3 State of California health-based Maximum Contaminant Level (MCL)

-- - RWQCB North Coast Water Quality Objective not established

TPHg Total Petroleum Hydrocarbons as gasoline

TPHd Total Petroleum Hydrocarbons as diesel

All results in micrograms per liter (μg/L).

<0.5 Not detected at or below the detection limit (0.5 μg/L)

H Laboratory qualifier noting heavier hydrocarbons contributed to the quantitation.

Y Laboratory qualifier noting sample exhibits chromatographic pattern which does not resemble standard.

MTBE methyl tertiary-butyl ether

SGCU Silica gel cleanup preparation using EPA 3630C

EB Equipment blank

TB Trip blank

Dup Field Duplicate Sample

Table 3
Summary of Chlorinated Hydrocarbons in Groundwater
Point St. George Fisheries
Santa Rosa, California

Well ID	Sample ID	Date	PCE	TCE	cis-1,2-DCE	1,1-DCE	1,1-DCA	1,1,1-TCA	All Other Analytes
RWQCB North Coast Water Quality Objectives [1]		**1**	**5**	**5**	**6**	**6**	**5**	**200**	**--**
MW-1	MW-1-2005-5-16	5/16/2005	**11**	3.2	<0.5	<0.5	<0.5	<0.5	ND
	MW-1-2005-07-01	7/1/2005	**14**	**5.4**	<0.5	<0.5	<0.5	<0.5	ND
MW-2	MW-2-2005-5-16	5/16/2005	**39**	**24**	4.2	<0.5	<0.5	0.8	ND
	MW-2-2005-07-01	7/1/2005	**41**	**27**	3.5	<0.5	<0.5	0.8	ND
MW-3	MW-3-2005-5-16	5/16/2005	**21**	**13**	1.9	<0.5	<0.5	0.6	ND
	MW-3-2005-06-30	6/30/2005	**19**	**12**	2.2	<0.5	<0.5	0.6	ND
P-1	P-1-2005-5-16	5/16/2005	**26**	**19**	2.4	<0.5	<0.5	<0.5	ND
	P-1-2005-06-30	6/30/2005	**18**	**17**	4.2	<0.5	<0.5	<0.5	ND
P-2	P-2-2005-5-16	5/16/2005	**21**	**13**	2.1	<0.5	<0.5	0.7	ND
	P-2-2005-07-01	7/1/2005	**19**	**12**	2.4	<0.5	<0.5	0.6	ND
P-3	P-3-2005-5-16	5/16/2005	<1	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	P-2-2005-07-01	7/1/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
TW-1	TW-1-2005-5-16	5/16/2005	**23**	**12**	1.3	<0.5	<0.5	<0.5	ND
	TW-1-2005-07-01	7/1/2005	**28**	**19**	2.8	<0.5	<0.5	<0.5	ND
TW-2	TW-2-2005-5-17	5/17/2005	**37**	**22**	1.6	<0.5	<0.5	<0.5	ND
	TW-2-2005-06-30	6/30/2005	**37**	**24**	2.7	<0.5	<0.5	<0.5	ND
TW-3	TW-3-2005-5-17	5/17/2005	**13**	**6.8**	0.7	<0.5	<0.5	<0.5	ND
	TW-3-2005-06-30	6/30/2005	**17**	**9.4**	1	<0.5	<0.5	<0.5	ND
TW-4	TW-4-2005-5-16	5/16/2005	2.6	1.1	0.6	**91**	**13**	9.7	ND
	DUP1-2005-5-16	5/16/2005	2.8	1.1	0.6	**90**	**12**	9.3	ND
	TW-4-2005-07-01	7/1/2005	2.8	1.4	0.9	**86**	**13**	8.3	ND
	DUP-1-2005-07-01	7/1/2005	2.8	1.5	0.9	**87**	**14**	8.5	ND
TW-5	TW-5-2005-5-17	5/17/2005	3.2	1.4	0.8	<0.5	<0.5	<0.5	ND
	TW-5-2005-06-30	6/30/2005	1.4	1.1	0.8	<0.5	<0.5	<0.5	ND
TW-6	TW-6-2005-5-16	5/16/2005	**22**	**10**	4.2	2.4	0.5	0.7	ND
	DUP2-2005-5-16	5/16/2005	**22**	**9.7**	3.9	2.6	<0.5	0.7	ND
	TW-6-2005-07-01	7/1/2005	**25**	**12**	5.3	2.6	<0.5	0.6	ND
	DUP-2-2005-07-01	7/1/2005	**25**	**12**	5.2	2.6	<0.5	0.6	ND
TW-7	TW-7-2005-5-16	5/16/2005	**14**	**5.3**	3.3	0.7	<0.5	<0.5	ND
	TW-7-2005-06-30	6/30/2005	**15**	**6.6**	5.1	0.6	<0.5	<0.5	ND
EB	EB1-2005-5-17	5/17/2005	<1	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	FB-1-2005-07-01	7/1/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
TB	TB1-2005-5-16	5/16/2005	<1	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	TB-1-2005-07-01	7/1/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND

Notes:

1 Regional Water Quality Control Board (RWQCB) North Coast Region Basin Plan, 2000, Table 3-2 for domestic or municipal supply; Table 2-1and page 2-1.00 indicates municipal and domestic supply for the Laguna de Santa Rosa hydrologic unit.

-- RWQCB North Coast Water Quality Objective (WQO) not established

All results in micrograms per liter ($\mu g/L$).

All compounds detected above the Water Quality Objectives are in **bold.**

PCE tetrachloroethene
TCE trichloroethene
cis-1,2-DCE cis-1,2-dichloroethene
1,1-DCE 1,1-dichloroethene
1,1-DCA 1,1-dichloroethane
1,1,1-TCA 1,1,1-trichloroethane
ND Analytes not detected above laboratory reporting limits.
<0.5 Not detected at or below the laboratory reporting limit (0.5 $\mu g/L$)

EB Equipment blank
TB Trip blank
Dup Field Duplicate Sample

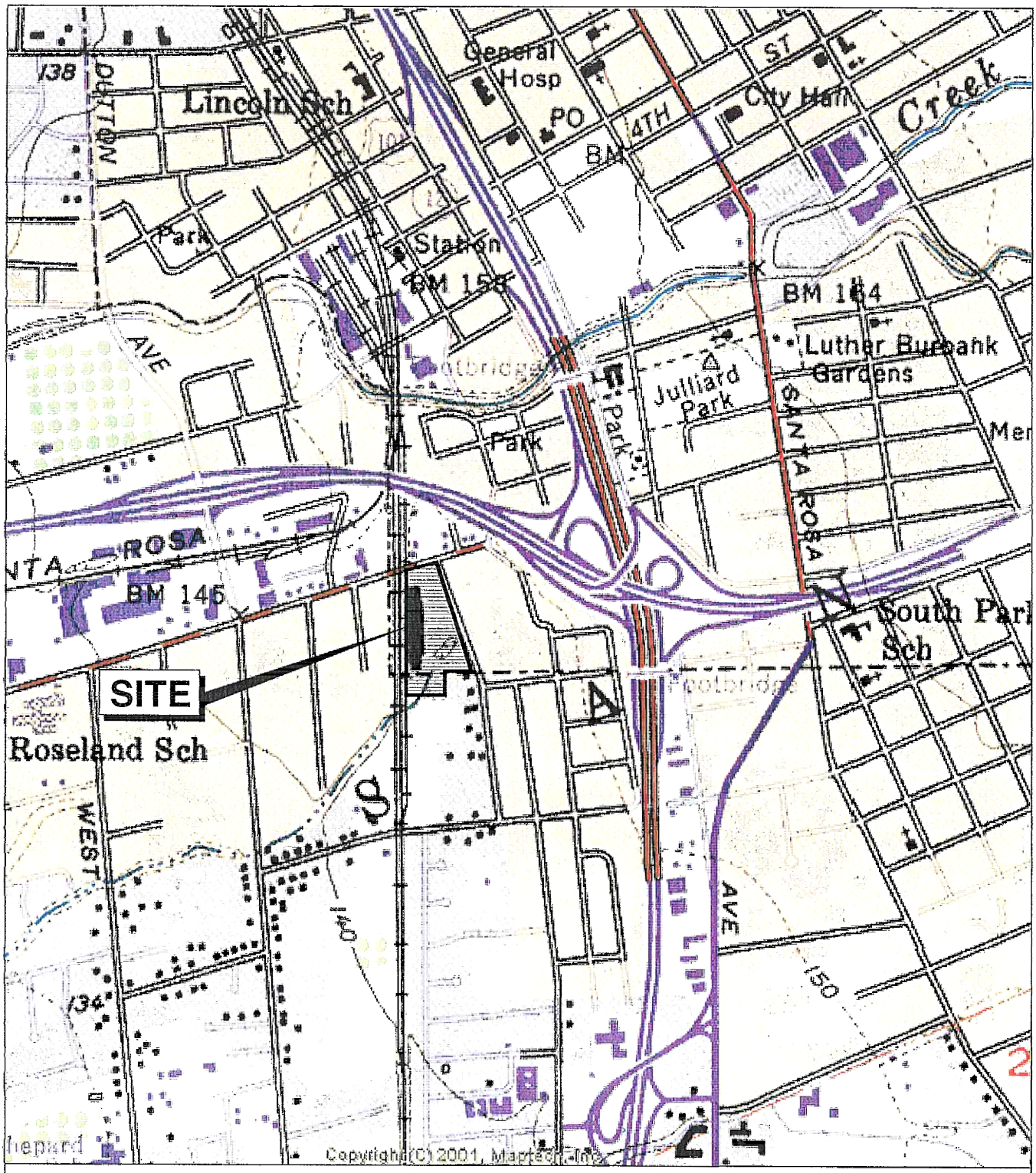
Table 4
Summary of Groundwater General Chemistry Parameters
Point St. George Fisheries
Santa Rosa, California

Well ID	Sample ID	Date	pH	ORP	Eh	DO	Chloride	Nitrogen, as Nitrate	Manganese	Ferrous Iron	Sulfate	BOD	COD	Alkalinity			
														HCO_3	CO_3	OH	Total as $CaCO_3$
			pH	mV	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-1	MW-1-2005-5-16	5/16/2005	6.6	-16	184	0.1	-	-	-	-	-	-	-	-	-	-	-
	MW-1-2005-07-01	7/1/2005	7.3	45	245	0.1	-	-	-	-	-	-	-	-	-	-	-
MW-2	MW-2-2005-5-16	5/16/2005	6.5	-21	179	0.1	-	-	-	-	-	-	-	-	-	-	-
	MW-2-2005-07-01	7/1/2005	6.6	145	345	0.1	-	-	-	-	-	-	-	-	-	-	-
MW-3	MW-3-2005-5-16	5/16/2005	6.6	-21	179	0.1	-	-	-	-	-	-	-	-	-	-	-
	MW-3-2005-06-30	6/30/2005	6.6	-231	-31	0.1	-	-	-	-	-	-	-	-	-	-	-
P-1	P-1-2005-5-16	5/16/2005	6.6	72	272	0.2	-	-	-	-	-	-	-	-	-	-	-
	P-1-2005-06-30	6/30/2005	6.3	-75	125	0.2	-	-	-	-	-	-	-	-	-	-	-
P-2	P-2-2005-5-16	5/16/2005	6.6	-17	183	0.09	-	-	-	-	-	-	-	-	-	-	-
	P-2-2005-07-01	7/1/2005	6.9	144	344	0.3	-	-	-	-	-	-	-	-	-	-	-
P-3	P-3-2005-5-16	5/16/2005	6.6	22	222	0.1	-	-	-	-	-	-	-	-	-	-	-
	P-3-2005-07-01	7/1/2005	6.8	154	354	0.1	-	-	-	-	-	-	-	-	-	-	-
TW-1	TW-1-2005-5-16	5/16/2005	6.9	-31	169	0.2	-	-	-	-	-	-	-	-	-	-	-
	TW-1-2005-07-01	7/1/2005	7.3	53	253	0.1	-	-	-	-	-	-	-	-	-	-	-
TW-2	TW-2-2005-5-17	5/17/2005	6.8	29	229	0.2	23	1.9	0.57	ND	48	<5.0	11	320	<1	<1	320
	TW-2-2005-06-30	6/30/2005	6.1	59	259	0.4	18	1.9	3.20	ND	47	<5.0	60	330	<1	<1	330
TW-3	TW-3-2005-5-17	5/17/2005	7.0	-55	145	0.1	67	0.26	0.84	ND	170	<5.0	42	500	<1	<1	500
	TW-3-2005-06-30	6/30/2005	7.5	-216	-16	0.1	41	0.65	0.68	ND	130	<5.0	22	490	<1	<1	490
TW-4	TW-4-2005-5-16	5/16/2005	6.8	13	213	0.07	-	-	-	-	-	-	-	-	-	-	-
	TW-4-2005-07-01	7/1/2005	7.5	76	276	0.1	-	-	-	-	-	-	-	-	-	-	-
TW-5	TW-5-2005-5-17	5/17/2005	7.0	-128	72	0.08	20	0.97	0.43	ND	220	<5.0	<10	360	<1	<1	360
	TW-5-2005-06-30	6/30/2005	6.5	-87	113	0.1	19	0.62	1.60	ND	250	<5.0	26	360	<1	<1	360
TW-6	TW-6-2005-5-16	5/16/2005	6.8	-14	186	0.1	-	-	-	-	-	-	-	-	-	-	-
	TW-6-2005-07-01	7/1/2005	7.8	38	238	0.1	-	-	-	-	-	-	-	-	-	-	-
TW-7	TW-7-2005-5-16	5/16/2005	6.9	-15	185	0.1	250	0.49	1.60	ND	200	<5.0	17	470	<1	<1	470
	TW-7-2005-6-30	6/30/2005	6.5	-272	-72	0.1	170	0.60	1.30	ND	200	<5.0	22	430	<1	<1	430

Notes:
ORP Oxidation reduction potential
Eh ORP voltage reading against the Standard Hydrogen Electrode
DO Dissolved oxygen
BOD Biological Oxygen Demand
COD Chemical Oxygen Demand
HCO_3 Bicarbonate alkalinity
CO_3 Carbonate alkalinity
OH Hydroxide alkalinity
Total as $CaCO_3$ Total alkalinity as calcium carbonate equivalent

mV Millivolts
mg/L Milligrams per liter
\- Not analyzed
ND Not detected

FIGURES



Base map: Maptech Inc., 2001

0 1/4 1/2 Mile

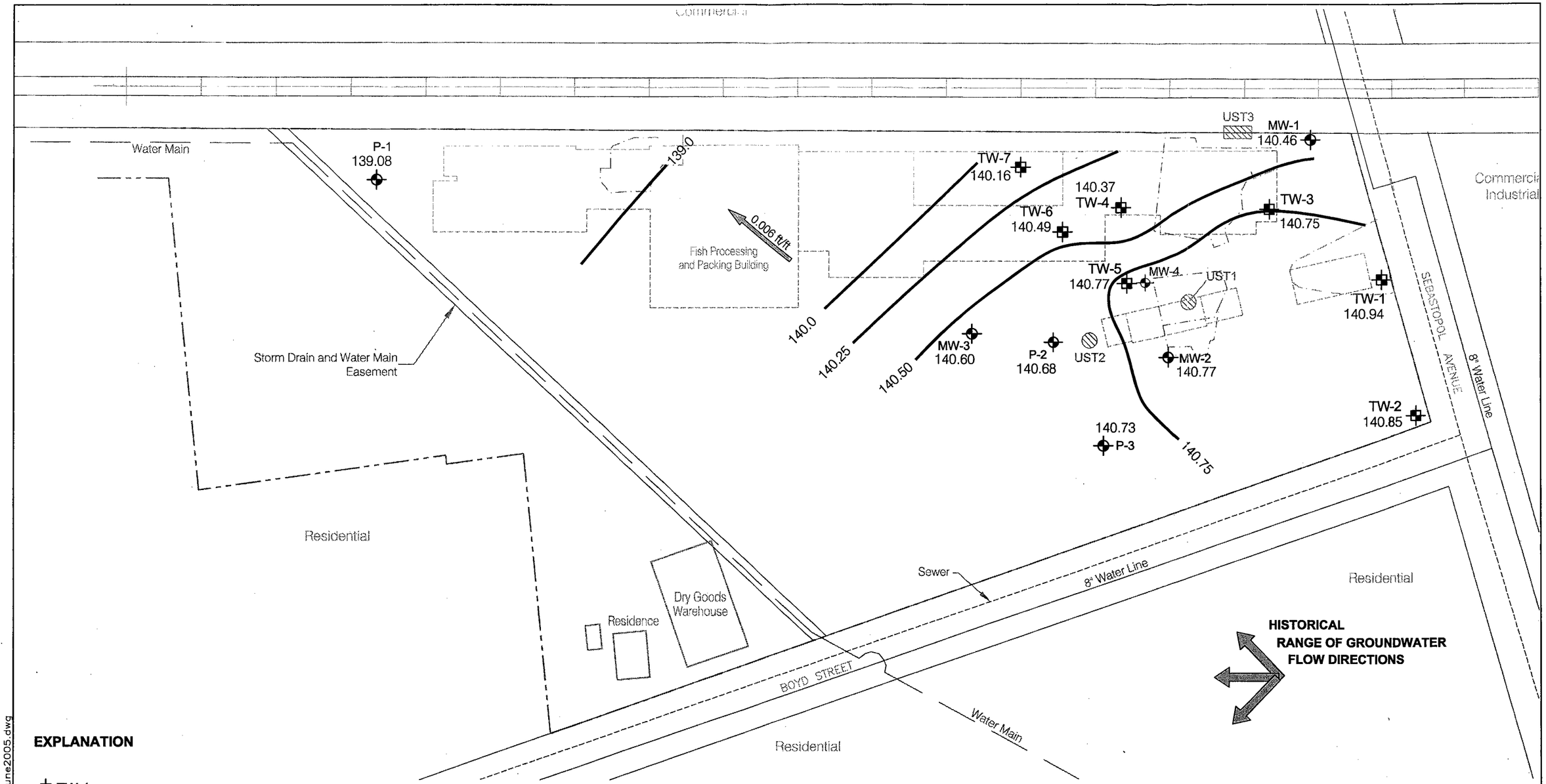
Approximate scale

VILLAGE GARDENS DEVELOPMENT
(Former Point St. George Fisheries Facility)
8 Sebastopol Avenue, Santa Rosa, California

Treadwell&Rollo

SITE LOCATION MAP

Date 08/05/05	Project No. 2577.05	Figure 1



EXPLANATION

TW-1 — Temporary shallow zone well location

MW-1 — Monitoring well location (MW-4 abandoned 11/30/00)

UST1 — UST - (Underground Storage Tank)
- UST1 - Abandoned 1979, removed 1986
- UST2 - Removed 1993
- UST3 - Removed 1997
- Fuel-oil Bunker - Removed 2002

Property boundary

Former building or structure

Existing building

Excavation outline

Approximate direction of groundwater flow

140.2 — Groundwater Elevation Contour (Contour Interval: 0.2 ft)

Vertical Datum: North American Geodetic Vertical Datum of 1929 (NGVD29)

0 — 80 Feet
Approximate scale

NOTE: All locations are approximate.
Sources: BSK, 1998; City of Santa Rosa, 1996.

VILLAGE GARDENS DEVELOPMENT
(Former Point St. George Fisheries Facility)
8 Sebastopol Avenue, Santa Rosa, California

POTENTIOMETRIC SURFACE MAP
30 JUNE 2005

Date 08/05/05	Project No. 2577.05	Figure 2

Treadwell&Rollo

2577.05 Potentiometric Suface Map-June2005.dwg

Treadwell&Rollo

ATTACHMENT A
Groundwater Monitoring and Sampling Field Forms

180368

BLAINE TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 050630-BM1

CLIENT: Treadwell & Rollo

SITE: Point St. George Fisheries Facility
Santa Rosa, CA

LAB: Curtis & Tompkins | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- [x] EPA
- [ ] LIA
- [ ] OTHER
- [ ] RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice and Report to : Treadwell & Rollo
Attn: Brian Moore

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-GAS (8015M)	TPH-DIESEL (8015M)	VOC's by 8260B	Alkalinity by 310.2, Chloride, Sulfate & Nitrate by 300	Manganese by 6010	BOD by 405.1	COD by 410.4		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TW-2-2005-06-30	6/30	1020	W	10	mixed		X	X	X	X	X	X	X					180368-001
TW-3-2005-06-30		1050					X	X	X	X	X	X	X					-002
TW-7-2005-06-30		1130					X	X	X	X	X	X	X					-003
TW-5-2005-06-30		1220					X	X	X	X	X	X	X					-004
P-1-2005-06-30		1250		6			X	X	X									-005
MW-3 2005-06-30		1320		6			X	X	X									-006

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	6/30/05	1320	B. Myers	48hr TAT (except BOD: Standard)

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Brandon [signature]	6/30/05	1600	[signature]	7-1-05	0455

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
Fed-Ex	6/30/05	1600	1

BLAINE TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY

BTS # 050630-BM1

CLIENT: Treadwell & Rollo

SITE: Point St. George Fisheries Facility
Santa Rosa, CA

CONDUCT ANALYSIS TO DETECT

LAB: Curtis & Tompkins | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- [x] EPA
- [ ] LIA
- [ ] OTHER
- [ ] RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice and Report to : Treadwell & Rollo

Attn: Brian Moore

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-GAS (8015M)	TPH-DIESEL (8015M)	VOC's by 8260B	Alkalinity by 310.2, Chloride, Sulfide & Nitrate by 300	Manganese by 6010	BOD by 405.1	COD by 410.4		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
-2405-07-01	7/1	730	W	6			X	X	X									
-1-2405-07-01	↓	730	↓	3			[redacted]	[redacted]	X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	7/1/05	1010	D. Myers	48hr TAT (except BOD: Standard)

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Brenda Zm			[redacted]		
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[redacted]		
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[redacted]		

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 050630-BM1

CLIENT: Treadwell & Rollo

SITE: Point St. George Fisheries Facility
Santa Rosa, CA

CONDUCT ANALYSIS TO DETECT

LAB: Curtis & Tompkins | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☒ EPA ☐ RWQCB REGION _____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Invoice and Report to : Treadwell & Rollo
Attn: Brian Moore

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-GAS (8015M)	TPH-DIESEL (8015M)	VOC's by 8260B	Alkalinity by 310.2, Chloride, Sulfide & Nitrate by 300	Manganese by 6010	BOD by 405.1	COD by 410.4		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
2-2005-07-01	7/1	755	W	6			X	X	X									
3-2005-07-01		820					X	X	X									
w-2-2005-07-01		840					X	X	X									
w-1-2005-07-01		905					X	X	X									
w-1-2005-07-01		925					X	X	X									
w-4-2005-07-01		945					X	X	X									
w-6-2005-07-01		1010					X	X	X									
w-1-2005-07-01		—					X	X	X									
w-2-2005-07-01		—					X	X	X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	7/1/05	1010	B. Myers	48hr TAT (except BOD: Standard)

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]					
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELLHEAD INSPECTION CHECKLIST

Page ____ of ____

Client Treadwell + Rolo Date 6/30/05

Site Address Ft. St. George Fisheries

Job Number 050630-BU1 Technician DM

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	X							
MW-2	X							
MW-3	3/3	tabs broken		3/3 bolts missing				
P-1	X							
P-2	X							
P-3	X							
TW-1	X							
TW-2	X							
TW-3	X							
TW-4	X							
TW-5	X							
TW-6	X							
TW-7	X							

NOTES:

WELL GAUGING DATA

Project # 050630-DW1 Date 6/30/05 Client Treadwell & Rollo

Site Pt. St. George Fisheries

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2					11.63	25.20	TOC	
MW-2	2					10.75	25.18		
MW-3	2					6.70	22.62		
P-1	2					11.41	30.02		
P-2	2					9.81	27.05		
P-3	2					10.13	28.31		
TW-1	2					7.27	23.65		
+ TW-2	2					8.04	24.52		
+ TW-3	2					8.20	25.36		
TW-4	2					8.70	23.82		
+ TW-5	2					8.40	24.97		
TW-6	2					8.16	26.30		
+ TW-7	2					7.05	25.33		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 25.20	Depth to Water Pre: 11.63 Post: 12.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other_____

Flow Rate: 1 gpm Pump Depth:_____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
914	18.09	7.3	721	7	0.1	48	2.2	
916	18.15	7.3	723	7	0.1	46	4.4	
919	18.18	7.3	719	7	0.1	45	6.5	

Did well dewater? Yes (No) Amount actually evacuated: 6.5

Sampling Time: 925 Sampling Date: 7/1/05

Sample I.D.: MW-1-2005-07-01 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) Alkalinity Chloride Manganese FE2 Nitrate Sulfate BOD COD

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 25.18	Depth to Water Pre: 10.75 Post: 11.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other ___

Flow Rate: 1 gpm Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
828	17.39	6.5	576	10	0.1	158	2.3	
831	17.48	6.6	577	8	0.1	152	4.6	
834	17.49	6.6	580	8	0.1	145	6.9	

Did well dewater? Yes (No) Amount actually evacuated: 7

Sampling Time: 840 Sampling Date: 7/1/05

Sample I.D.: MW-2-2005-07-01 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) Alkalinity Chloride Manganese FE2 Nitrate Sulfate BOD COD

Equipment Blank I.D.: @ Time Duplicate I.D.:

2.3/6.9

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 22.62	Depth to Water Pre: 6.70 Post: 7.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other ___

Flow Rate: 1 gpm Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1302	19.76	8.3	646	12	0.04	-175	2.5	
1305	19.58	7.4	637	10	0.1	-197	5	
1308	19.49	6.7	635	10	0.1	-219	7.5	
1311	19.46	6.6	628	9	0.1	-231	10	

Did well dewater? Yes (No) Amount actually evacuated: 10

Sampling Time: 1320 Sampling Date: 6/30/05

Sample I.D.: MW-3-2005-06-30 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) Alkalinity Chloride Manganese FE2 Nitrate Sulfate BOD COD

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: P-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 50.02	Depth to Water Pre: 11.41 Post: 11.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other_____

Flow Rate: 1 gpm Pump Depth:_____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1238	19.01	6.4	723	10	0.07	-28	3	
1242	19.01	6.3	720	8	0.1	-68	6	
1245	19.01	6.3	722	8	0.2	-75	9	

Did well dewater? Yes (No)	Amount actually evacuated: 9
Sampling Time: 1250	Sampling Date: 6/30/05
Sample I.D.: P-1-2005-06-30	Laboratory: Curtis & Tompkins
Analyzed for: (TPHd) (TPHg) (VOC) Alkalinity Chloride Manganese FE2 Nitrate Sulfate BOD COD	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

3/9

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: P-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 27.05	Depth to Water Pre: 9.81 Post: 10.06
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: NSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other_____

Flow Rate: 1gpm Pump Depth:_____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
745	18.67	7.0	1064	14	0.2	146	2.6	
749	18.75	6.9	674	10	0.2	146	5.2	
752	18.69	6.9	672	10	0.3	144	7.8	

Did well dewater? Yes (No) Amount actually evacuated: 8

Sampling Time: 755 Sampling Date: 7/1/05

Sample I.D.: P-2-2005-07-01 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) Alkalinity Chloride Manganese FE2 Nitrate Sulfate BOD COD

~~Equipment~~ Field Blank I.D.: FB-1-2005-07-01 @ Time 730 Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: P-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 28.31	Depth to Water Pre: 10.13 Post: 10.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing ✓ Other_____

Flow Rate: 1 gpm Pump Depth:_____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
806	18.05	6.8	811	12	0.1	164	3	
810	18.11	6.8	815	10	0.2	157	6	
814	18.10	6.8	818	10	0.2	154	9	

Did well dewater? Yes (No) Amount actually evacuated: 9

Sampling Time: 820 Sampling Date: 7/1/05

Sample I.D.: P-3-2005-07-01 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) Alkalinity Chloride Manganese FE2 Nitrate Sulfate BOD COD

Equipment Blank I.D.: @ Time Duplicate I.D.:

3/9

-3 7/10

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: TW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 23.65	Depth to Water Pre: 7.27 Post: 8.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other_____

Flow Rate: 1 gpm Pump Depth:_____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
~~849~~	18.43	7.1	964	48	0.1	125	2.6	
853 ~~903~~	18.48	7.1	1003	>1000	0.1	98	5.2	
856	18.51	7.2	956	>1000	0.1	75	7.8	
859	18.54	7.3	967	>1000	0.1	62	10.4	
902	18.50	7.3	978	>1000	0.1	53	13	
	No sediment in water just high turbidity							

Did well dewater? Yes (No) Amount actually evacuated: 13

Sampling Time: 905 Sampling Date: 7/1/05

Sample I.D.: TW-1-2005-07-01 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) Alkalinity Chloride Manganese FE2 Nitrate Sulfate BOD COD

Equipment Blank I.D.: @ Time Duplicate I.D.:

7.6/7.0

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: TW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 24.52	Depth to Water Pre: 8.04 Post: 8.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other ___

Flow Rate: 1 gpm Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals or mL)	Observations
1000	18.36	6.8	595	434	0.2	102	2.6	
1010	18.30	6.2	595	244	0.2	93	5.2	
1013	18.23	6.1	595	237	0.5	72	7.8	
1017	18.25	6.1	595	229	0.4	59	10.4	
		Fe^2	= 0 mg/L					

Did well dewater? Yes (No) Amount actually evacuated: 10.5

Sampling Time: 1020 Sampling Date: 6/30/05

Sample I.D.: TW-2-2005-06-30 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) (Alkalinity) (Chloride) (Manganese) FE2 (Nitrate) (Sulfate) (BOD) (COD)

Equipment Blank I.D.: @ Time Duplicate I.D.:

10 2.4/2.4

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: TW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 25.36	Depth to Water Pre: 8.20 Post: 9.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing ✓ Other ___

Flow Rate: 1 gpm Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1037	18.56	7.1	928	218	0.1	-111	2.7	
1040	18.51	7.2	954	98	0.2	-150	5.4	
1043	18.47	7.5	956	92	0.1	-182	8.1	
1046	18.46	7.5	960	88	0.1	-216	10.8	
		Fe^2 = 0 mg/L						

Did well dewater? Yes (No) Amount actually evacuated: 11

Sampling Time: 1050 Sampling Date: 6/30/05

Sample I.D.: TW-3-2005-06.30 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) (Alkalinity) (Chloride) (Manganese) FE2 (Nitrate) (Sulfate) (BOD) (COD)

Equipment Blank I.D.: @ Time Duplicate I.D.:

10 2.7/8

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: TW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 23.82	Depth to Water Pre: 8.70 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other_____

Flow Rate: 1 gpm Pump Depth:_____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
933	18.78	7.5	1447	>1000	0.1	87	2.5	
936	18.84	7.5	1421	>1000	0.1	80	5	
940	18.84	7.5	1414	>1000	0.1	76	7.5	
	very turbid but no sediment							

Did well dewater? Yes (No) Amount actually evacuated: 7.5

Sampling Time: 945 Sampling Date: 7/1/05

Sample I.D.: TW-4-2005-07-01 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) Alkalinity Chloride Manganese FE2 Nitrate Sulfate BOD COD

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP1-2005-07-01

2.5/7.5

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: TW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 24.97	Depth to Water Pre: 8.40 Post: 8.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other_____

Flow Rate: 1 gpm Pump Depth:_____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1209	19.78	6.6	950	214	0.09	-46	2.7	
1212	19.73	6.5	950	33	0.07	-67	5.4	
1215	19.71	6.5	952	31	0.1	-87	8	
		Fe^2 =	0 mg/L					

Did well dewater? Yes (No) Amount actually evacuated: 8

Sampling Time: 1220 Sampling Date: 6/30/05

Sample I.D.: TW-5-2005-06-30 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) (Alkalinity) (Chloride) (Manganese) FE2 (Nitrate) (Sulfate) (BOD) (COD)

Equipment Blank I.D.: @ Time Duplicate I.D.:

2.7/8

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: TW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 26.30	Depth to Water Pre: 8.16 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing ✓ Other ___

Flow Rate: 1gpm Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
957	18.52	7.7	1024	>1000	0.1	62	3	
1001	18.57	7.8	1013	881	0.1	52	6	
1005	18.50	7.8	1010	868	0.1	38	9	

Did well dewater? Yes (No) Amount actually evacuated: 9

Sampling Time: 1010 Sampling Date: 7/1/05

Sample I.D.: TW-6-2005-07-01 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) Alkalinity Chloride Manganese FE2 Nitrate Sulfate BOD COD

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP2-2005-07-01

3/9

LOW FLOW WELL MONITORING DATA SHEET

Project #: 050630-BM1	Client: Treadwell & Rollo
Sampler: Brandon Myers	Start Date: 6/30/2005
Well I.D.: TW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 25.33	Depth to Water Pre: 7.05 Post: 7.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ✓ Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing ✓ Other ___

Flow Rate: 1 gpm Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1107	18.48	8.6	1287	65	0.1	-267	3	
1111	18.44	8.3	1328	42	0.1	-306	6	
1114	18.40	7.2	1360	31	0.1	-302	9	
1117	18.41	6.7	1370	22	0.1	-296	12	
1120	18.40	6.5	1384	18	0.1	-286	15	
1123	18.39	6.5	1386	16	0.1	-272	18	
		Fe^{2+} =	0 mg/L					

Did well dewater? Yes (No) Amount actually evacuated: 18

Sampling Time: 1130 Sampling Date: 6/30/05

Sample I.D.: TW-7-2005-06-30 Laboratory: Curtis & Tompkins

Analyzed for: (TPHd) (TPHg) (VOC) (Alkalinity) (Chloride) (Manganese) FE2 (Nitrate) (Sulfate) (BOD) (COD)

Equipment Blank I.D.: @ Time Duplicate I.D.:

10 3/9

Treadwell&Rollo

ATTACHMENT B
Certified Laboratory Reports and Chain-of-Custody Records

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

A N A L Y T I C A L R E P O R T

Prepared for:

Treadwell & Rollo
555 Montgomery Street
Suite 1300
San Francisco, CA 94111

Date: 15-JUL-05
Lab Job Number: 180434
Project ID: STANDARD
Location: Pt. St. George Fisheries

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**180434**
Client:	**Treadwell & Rollo**
Location:	**Pt. St. George Fisheries**
Request Date:	**07/06/05**
Samples Received:	**07/06/05**

This hardcopy data package contains sample and QC results for eleven water samples, requested for the above referenced project on 07/06/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

BLAINE TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: Curtis & Tompkins | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- [x] EPA
- [ ] LIA
- [ ] OTHER
- [ ] RWQCB REGION _____

CHAIN OF CUSTODY BTS # 050630-BM1

CLIENT: Treadwell & Rollo

SITE: Point St. George Fisheries Facility, Santa Rosa, CA

SPECIAL INSTRUCTIONS: Invoice and Report to : Treadwell & Rollo
Attn: Brian Moore

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-GAS (8015M)	TPH-DIESEL (8015M)	VOC's by 8260B	Alkalinity by 310.2, Chloride, Sulfide & Nitrate by 300	Manganese by 6010	BOD by 405.1	COD by 410.4		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
P-2-2005-07-01	7/1	755	W	6	-1		X	X	X									
-3-2005-07-01		820			-2		X	X	X									
MW-2-2005-07-01		840			-3		X	X	X									
TW-1-2005-07-01		905			-4		X	X	X									
MW-1-2005-07-01		925			-5		X	X	X									
TW-4-2005-07-01		945			-6		X	X	X									
TW-6-2005-07-01		1010			-7		X	X	X									
DUP-1-2005-07-01		—			-8		X	X	X									
DUP-2-2005-07-01		—			-9		X	X	X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	7/1/05	1010	B. Myers	48hr TAT (except BOD: Standard)

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	7-1-05	1330	[signature] (SC)	7-1-05	1330
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]	7/6/05	1000

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
FedEx	7-5-05	1600	

180434

BLAINE TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 050630-BM1

CLIENT: Treadwell & Rollo

SITE: Point St. George Fisheries Facility
Santa Rosa, CA

LAB: Curtis & Tompkins | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- [x] EPA
- [ ] LIA
- [ ] OTHER
- [ ] RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice and Report to : Treadwell & Rollo

Attn: Brian Moore

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-GAS (8015M)	TPH-DIESEL (8015M)	VOC's by 8260B	Alkalinity by 310.2, Chloride, Sulfide & Nitrate by 300	Manganese by 6010	BOD by 405.1	COD by 410.4		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
3-1-2005-07-01	7/1	730	W	6	10		X	X	X									
2-1-2005-07-01	↓	730	↓	3	11		[redacted]	[redacted]	X									

SAMPLING COMPLETED: DATE 7/1/05 TIME 1010

SAMPLING PERFORMED BY: D. Myers

RESULTS NEEDED NO LATER THAN: **48hr TAT** (except BOD: Standard)

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	7-1-05	1300	[redacted] [signature] (SC)	7-1-05	1330
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[redacted]		
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			[redacted] [signature]	7/6/05	1000

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
FEDEX	7-5-05	1600	

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 180434 Date Received: 7/6/05 Number of Coolers: 1
Client: Treadwell + Rollo Project: Pt. St. George Fish Facility

A. Preliminary Examination Phase
Date Opened: 7/6/05 By (print): Peter P. (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc.)? ..... (YES) NO
   If YES, enter carrier name and airbill number: FED Ex 8470 9362 0267
2. Were custody seals on outside of cooler? ..... YES (NO)
   How many and where? _____ Seal date: _____ Seal name: _____
3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES NO N/A
4. Were custody papers dry and intact when received? ..... (YES) NO
5. Were custody papers filled out properly (ink, signed, etc.)? ..... (YES) NO
6. Did you sign the custody papers in the appropriate place? ..... (YES) NO
7. Was project identifiable from custody papers? ..... (YES) NO
   If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. ..... (YES) NO
   Type of ice: wet Temperature: on ice

B. Login Phase
Date Logged In: 7/6/05 By (print): Peter P. (sign) [signature]

1. Describe type of packing in cooler: Bubblewrap
2. Did all bottles arrive unbroken? ..... (YES) NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? ..... (YES) NO
4. Did bottle labels agree with custody papers? ..... (YES) NO
5. Were appropriate containers used for the tests indicated? ..... (YES) NO
6. Were correct preservatives added to samples? ..... (YES) NO
7. Was sufficient amount of sample sent for tests indicated? ..... (YES) NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below ..... (YES) NO
9. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, give details below.
   Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/01/05
Units:	ug/L	Received:	07/06/05
Diln Fac:	1.000	Analyzed:	07/06/05
Batch#:	103582		

Field ID: P-2-2005-07-01 Lab ID: 180434-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	63-141
Bromofluorobenzene (FID)	103	79-139

Field ID: P-3-2005-07-01 Lab ID: 180434-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-141
Bromofluorobenzene (FID)	104	79-139

Field ID: MW-2-2005-07-01 Lab ID: 180434-003
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-141
Bromofluorobenzene (FID)	109	79-139

Field ID: TW-1-2005-07-01 Lab ID: 180434-004
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-141
Bromofluorobenzene (FID)	103	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/01/05
Units:	ug/L	Received:	07/06/05
Diln Fac:	1.000	Analyzed:	07/06/05
Batch#:	103582		

Field ID: MW-1-2005-07-01 Lab ID: 180434-005
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-141
Bromofluorobenzene (FID)	105	79-139

Field ID: TW-4-2005-07-01 Lab ID: 180434-006
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-141
Bromofluorobenzene (FID)	105	79-139

Field ID: TW-6-2005-07-01 Lab ID: 180434-007
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	63-141
Bromofluorobenzene (FID)	106	79-139

Field ID: DUP-1-2005-07-01 Lab ID: 180434-008
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	63-141
Bromofluorobenzene (FID)	105	79-139

D= Not Detected
L= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/01/05
Units:	ug/L	Received:	07/06/05
Diln Fac:	1.000	Analyzed:	07/06/05
Batch#:	103582		

Field ID: DUP-2-2005-07-01 Lab ID: 180434-009
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	63-141
Bromofluorobenzene (FID)	105	79-139

Field ID: FB-1-2005-07-01 Lab ID: 180434-010
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	63-141
Bromofluorobenzene (FID)	100	79-139

Type: BLANK Lab ID: QC299916

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	63-141
Bromofluorobenzene (FID)	99	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC299918	Batch#:	103582
Matrix:	Water	Analyzed:	07/06/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,959	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	63-141
Bromofluorobenzene (FID)	118	79-139

3.0

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	103582
MSS Lab ID:	180421-014	Sampled:	07/05/05
Matrix:	Water	Received:	07/05/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Type: MS Lab ID: QC299961

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	13.94	2,000	1,981	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	136	63-141
Bromofluorobenzene (FID)	118	79-139

Type: MSD Lab ID: QC299962

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,993	99	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	136	63-141
Bromofluorobenzene (FID)	116	79-139

RPD= Relative Percent Difference

4.0

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/01/05
Units:	ug/L	Received:	07/06/05
Diln Fac:	1.000	Prepared:	07/06/05
Batch#:	103608		

Field ID: P-2-2005-07-01 Lab ID: 180434-001
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	110 H Y	50	07/08/05
Diesel C10-C24 (SGCU)	ND	50	07/07/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	122	55-143	07/08/05
Hexacosane (SGCU)	108	55-143	07/07/05

Field ID: P-3-2005-07-01 Lab ID: 180434-002
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	160 H Y	50	07/08/05
Diesel C10-C24 (SGCU)	ND	50	07/07/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	127	55-143	07/08/05
Hexacosane (SGCU)	115	55-143	07/07/05

Field ID: MW-2-2005-07-01 Lab ID: 180434-003
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	ND	50	07/08/05
Diesel C10-C24 (SGCU)	ND	50	07/07/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	126	55-143	07/08/05
Hexacosane (SGCU)	114	55-143	07/07/05

Field ID: TW-1-2005-07-01 Analyzed: 07/08/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 180434-004

Analyte	Result	RL
Diesel C10-C24	ND	50
Diesel C10-C24 (SGCU)	ND	50

Surrogate	%REC	Limits
Hexacosane	119	55-143
Hexacosane (SGCU)	103	55-143

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

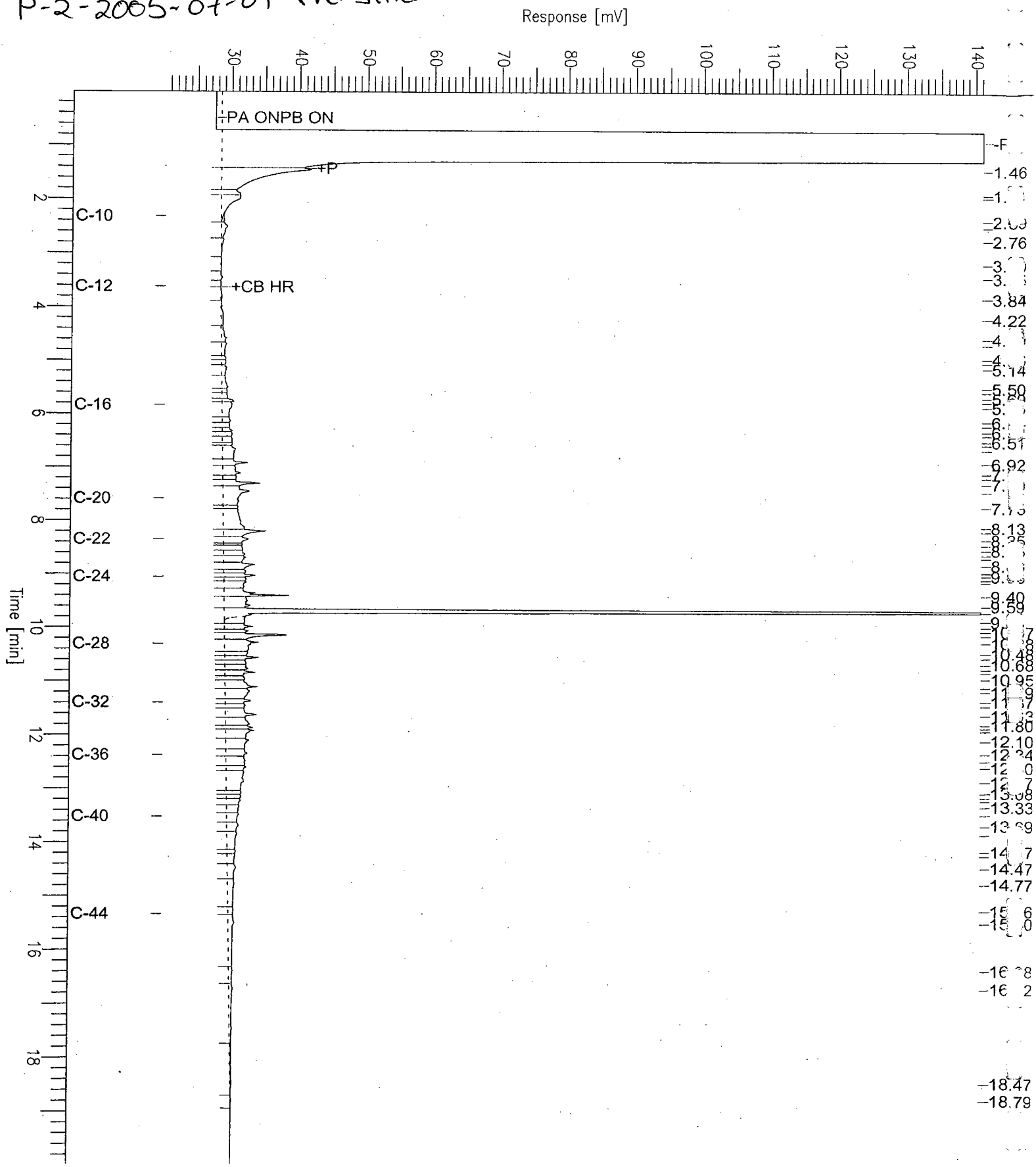
5.1

Chromatogram

Sample Name : 180434-001,103608
FileName : G:\GC13\CHB\189B005.RAW
Method : BTEH161S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 20 mV

Sample #: 103608
Date : 7/8/05 11:51 AM
Time of Injection: 7/8/05 11:02 AM
Low Point : 20.30 mV High Point : 141.11 mV
Plot Scale: 120.8 mV

P-2-2005-07-01 Pre-Silica Gel

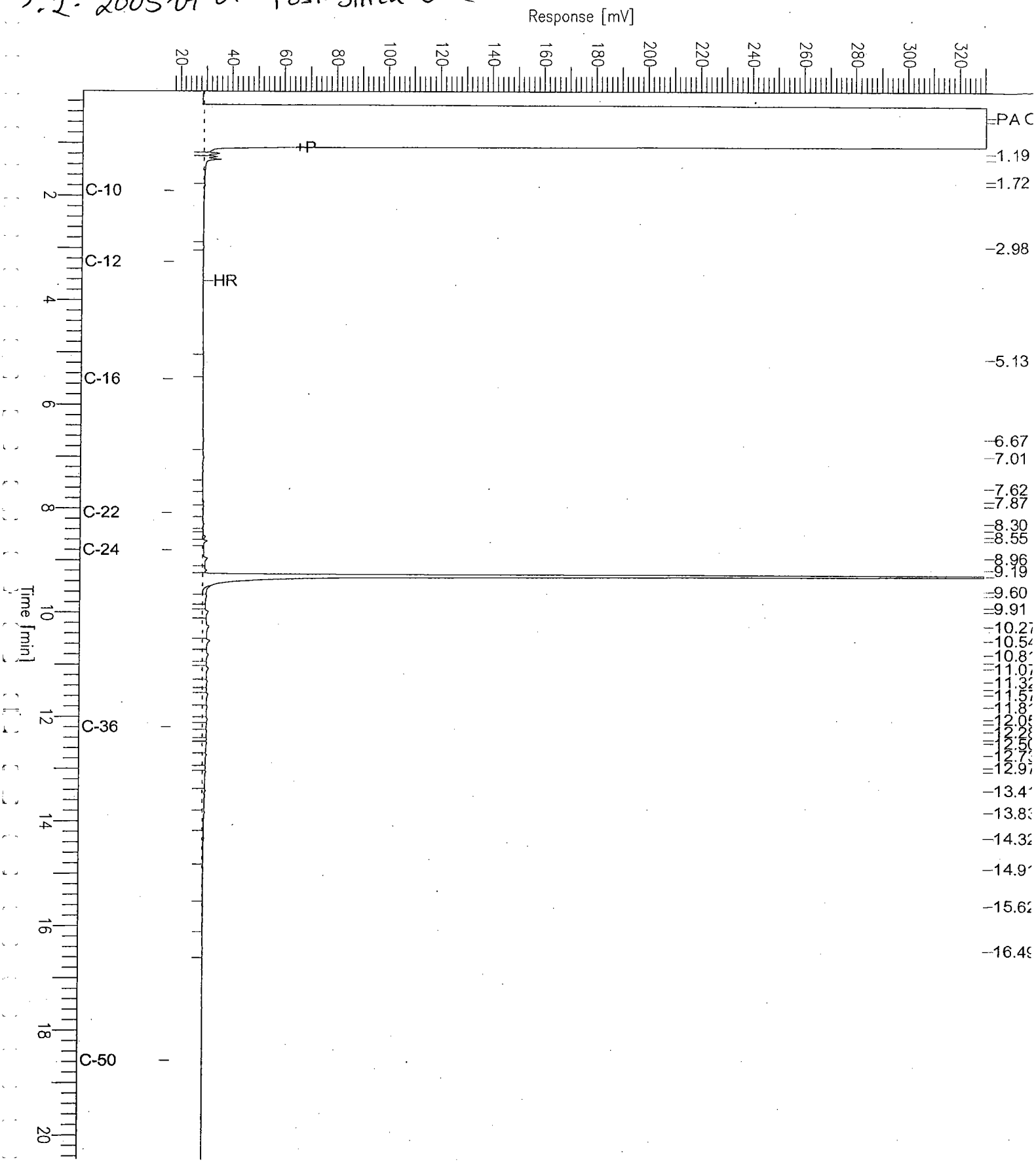


Chromatogram

Sample Name : 180434-001sg,103608
FileName : G:\GC11\CHA\188A022.RAW
Method : ATEH181S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 18 mV

Sample #: 103608
Date : 7/8/05 07:46 AM
Time of Injection: 7/7/05 10:28 PM
Low Point : 17.51 mV High Point : 330.31 mV
Plot Scale: 312.8 mV

2.2 - 2005-07-01 Post-Silica Gel

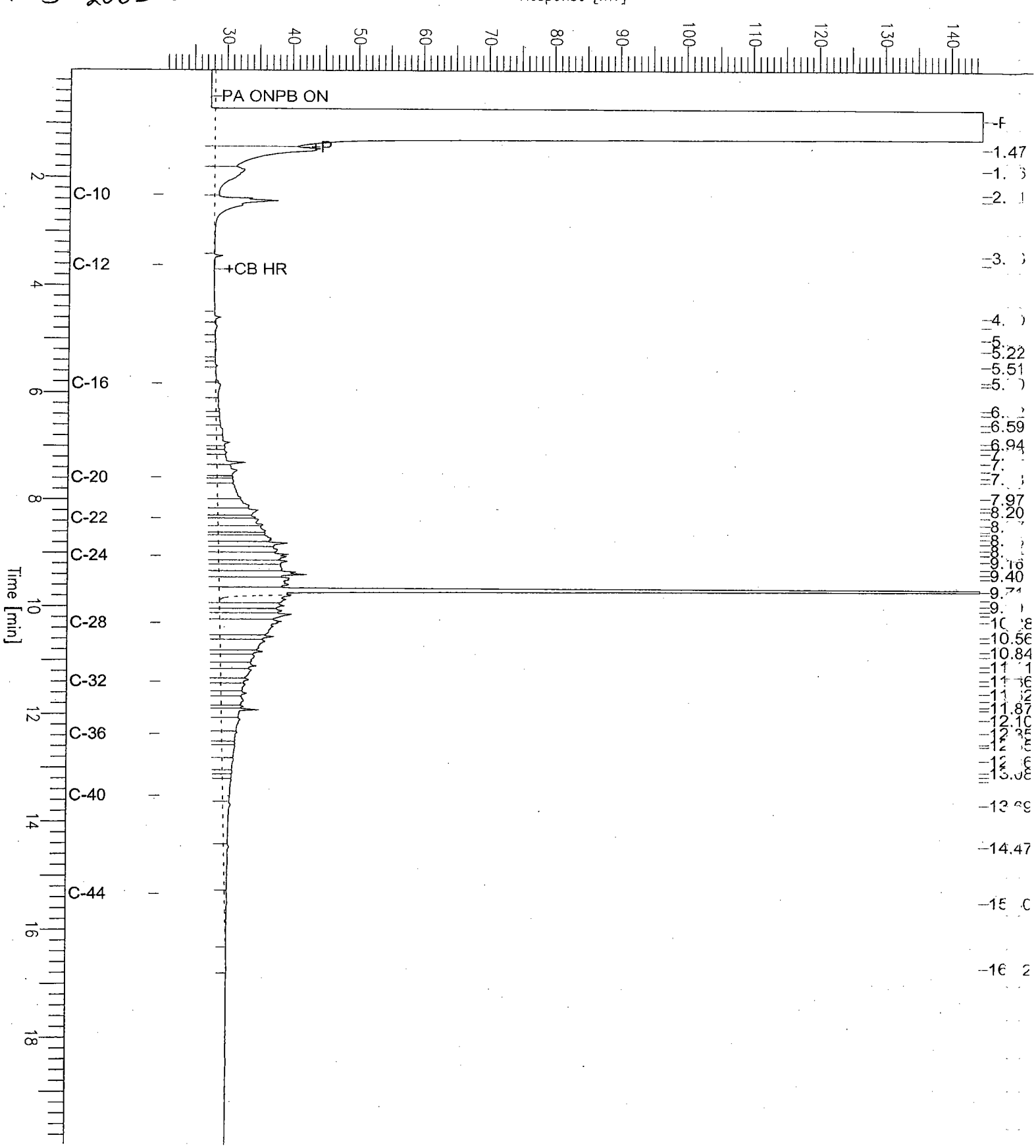


Chromatogram

Sample Name : 180434-002,103608
FileName : G:\GC13\CHB\189B006.RAW
Method : BTEH161S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 20 mV

Sample #: 103608
Date : 7/8/05 11:52 AM
Time of Injection: 7/8/05 11:30 AM
Low Point : 20.26 mV High Point : 144.83 mV
Plot Scale: 124.6 mV

P-3-2005-07-01 Pre-Silica Gel

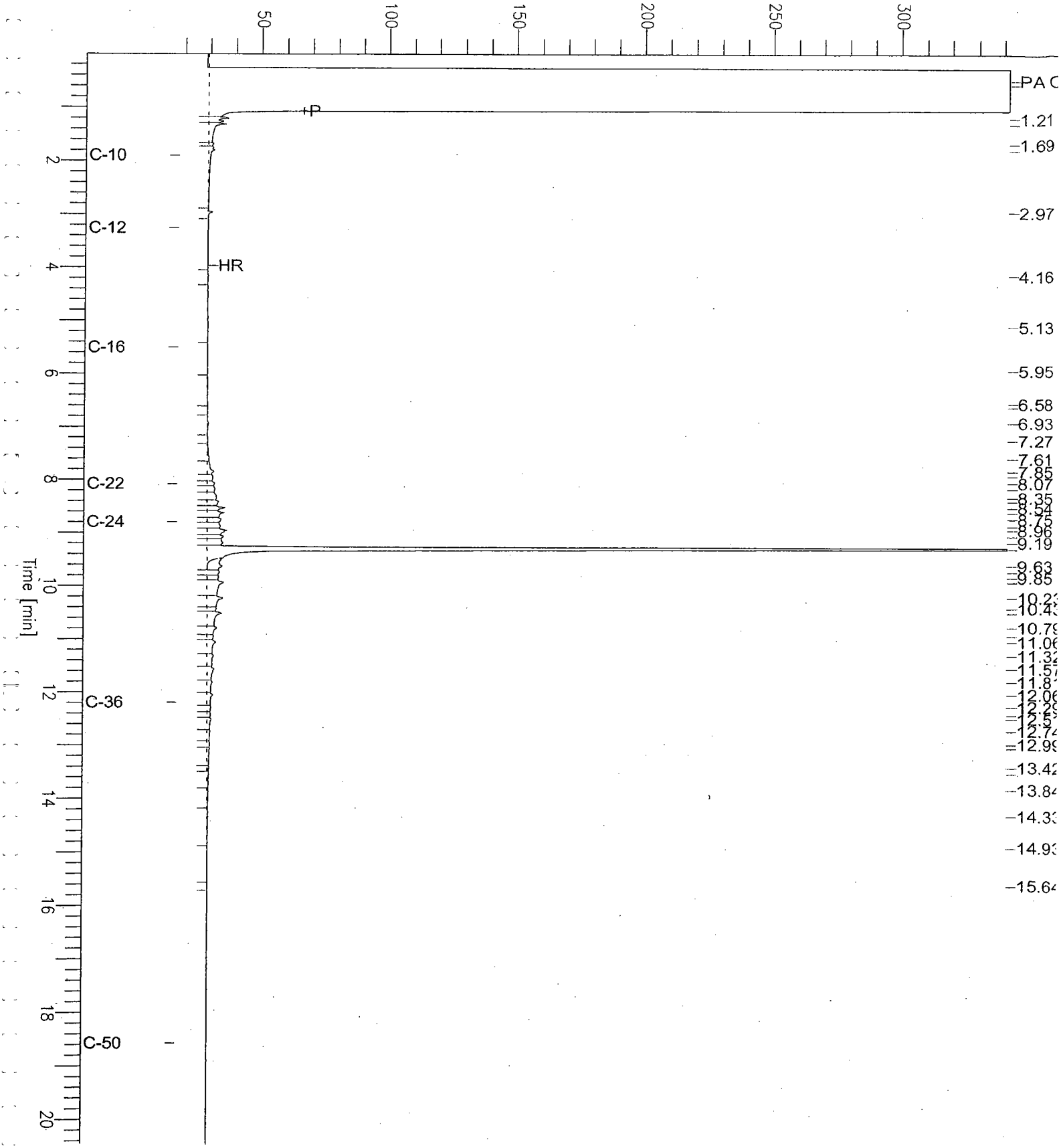


Chromatogram

Sample Name : 180434-002sg,103608
FileName : G:\GC11\CHA\188A023.RAW
Method : ATEH181S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 17 mV

Sample #: 103608
Date : 7/8/05 07:48 AM
Time of Injection: 7/7/05 10:57 PM
Low Point : 17.49 mV High Point : 341.73 mV
Plot Scale: 324.2 mV

P.3.2005-0701 Post-Silica Gel



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/01/05
Units:	ug/L	Received:	07/06/05
Diln Fac:	1.000	Prepared:	07/06/05
Batch#:	103608		

Field ID:	MW-1-2005-07-01	Analyzed:	07/08/05
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	180434-005		

Analyte	Result	RL
Diesel C10-C24	65 Y	50
Diesel C10-C24 (SGCU)	ND	50

Surrogate	%REC	Limits
Hexacosane	131	55-143
Hexacosane (SGCU)	114	55-143

Field ID:	TW-4-2005-07-01	Analyzed:	07/08/05
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	180434-006		

Analyte	Result	RL
Diesel C10-C24	770 H Y	50
Diesel C10-C24 (SGCU)	ND	50

Surrogate	%REC	Limits
Hexacosane	97	55-143
Hexacosane (SGCU)	102	55-143

Field ID:	TW-6-2005-07-01	Analyzed:	07/08/05
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	180434-007		

Analyte	Result	RL
Diesel C10-C24	52 Y	50
Diesel C10-C24 (SGCU)	ND	50

Surrogate	%REC	Limits
Hexacosane	103	55-143
Hexacosane (SGCU)	123	55-143

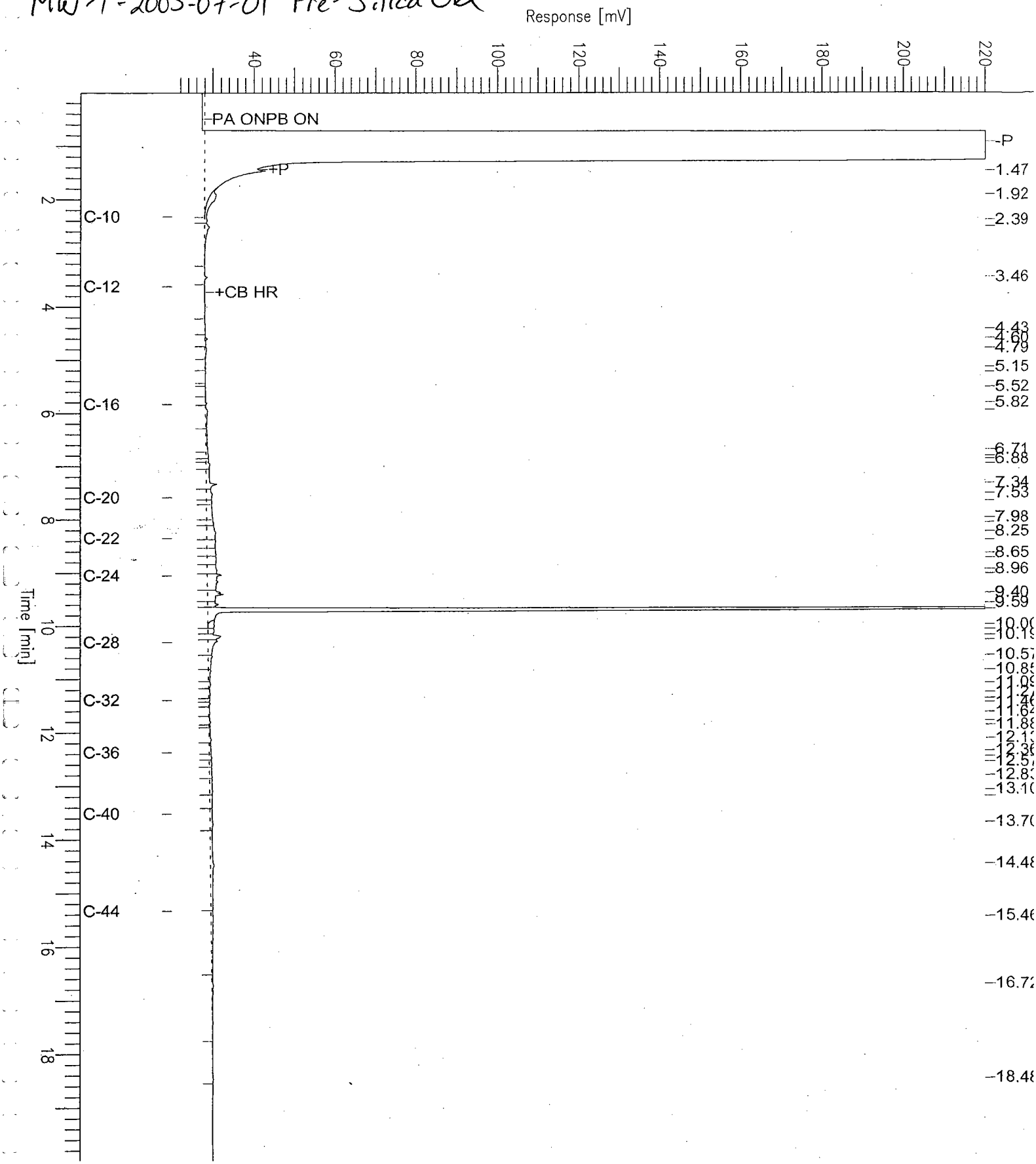
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Chromatogram

Sample Name : 180434-005,103608
FileName : G:\GC13\CHB\189B009.RAW
Method : BTEH161S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 20 mV

Sample #: 103608
Date : 7/8/05 01:30 PM
Time of Injection: 7/8/05 12:55 PM
Low Point : 20.09 mV High Point : 220.09 mV
Plot Scale: 200.0 mV

MW-1-2005-07-01 Pre-Silica Gel

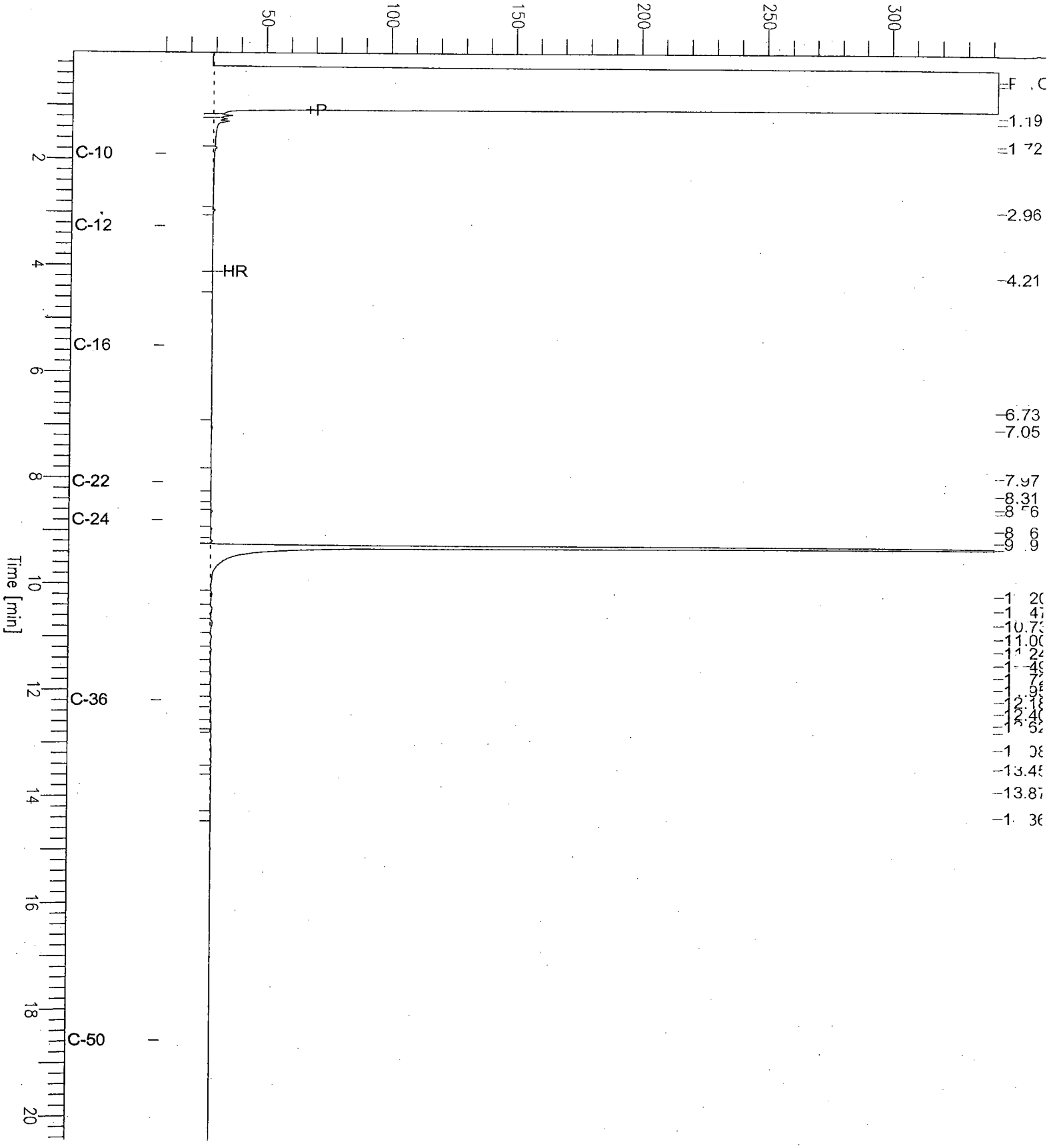


Chromatogram

Sample Name : 180434-005sg,103608
FileName : G:\GC11\CHA\188A029.RAW
Method : ATEH181S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 10 mV

Sample #: 103608
Date : 7/8/05 07:56 AM
Time of Injection: 7/8/05 01:54 AM
Low Point : 9.99 mV High Point : 341.73 mV
Plot Scale: 331.7 mV

MW-1-2005-07-01 Post-Silica Gel

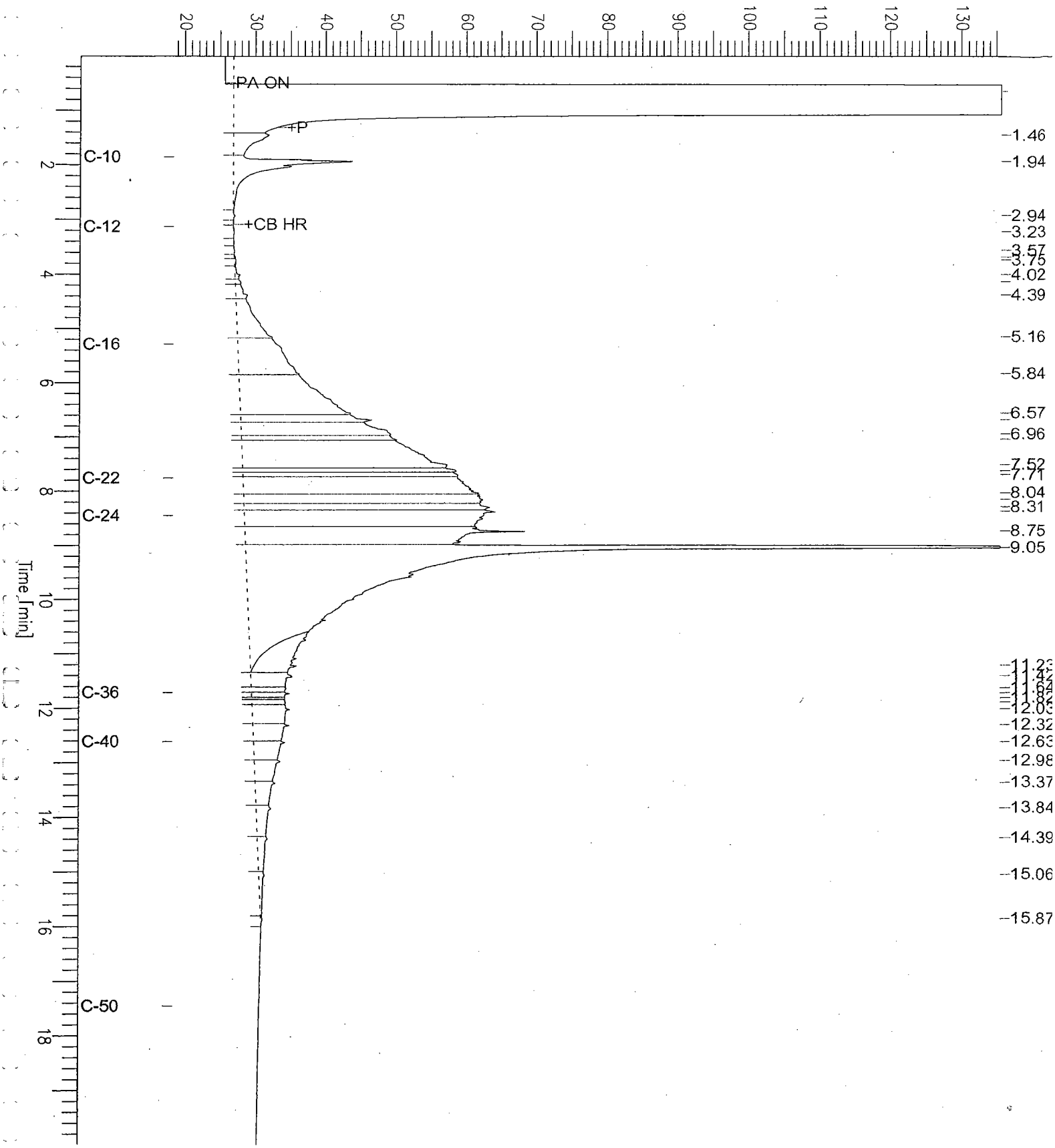


Chromatogram

Sample Name : 180434-006,103608
FileName : G:\GC17\CHA\188A046.RAW
Method : ATEH178.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 18 mV

Sample #: 103608
Date : 7/8/05 11:55 AM
Time of Injection: 7/8/05 11:09 AM
Low Point : 18.46 mV High Point : 135.69 mV
Plot Scale: 117.2 mV

TW-4-2005-07-01 Pre-Silica Gel

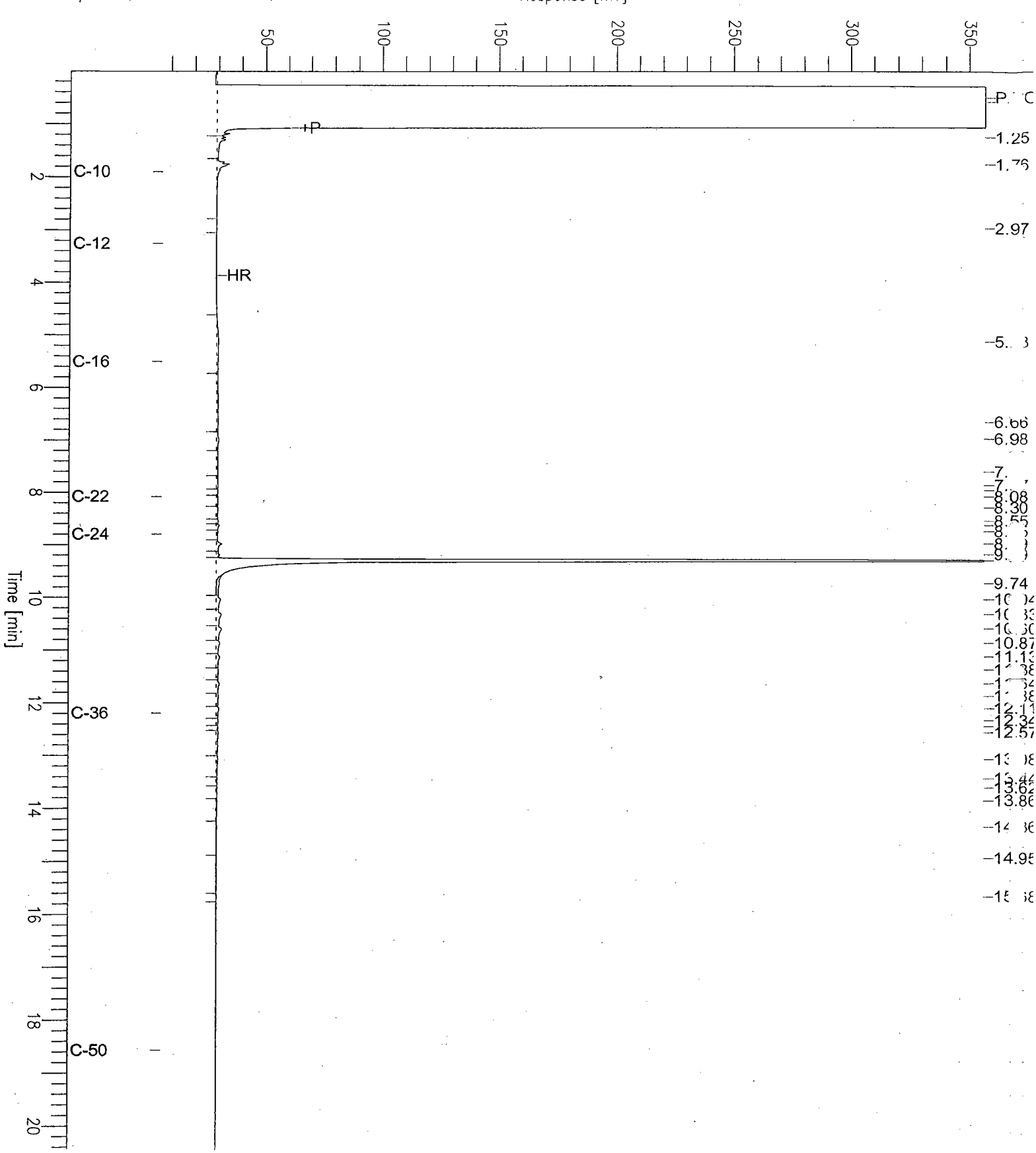


Chromatogram

Sample Name : 180434-006sg,103608
FileName : G:\GC11\CHA\188A030.RAW
Method : ATEH181S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 6 mV

Sample #: 103608 Page 1 of 1
Date : 7/8/05 07:57 AM
Time of Injection: 7/8/05 02:23 AM
Low Point : 6.20 mV High Point : 356.73 mV
Plot Scale: 350.5 mV

TW-4-2005-07-01 Post-Silica Gel

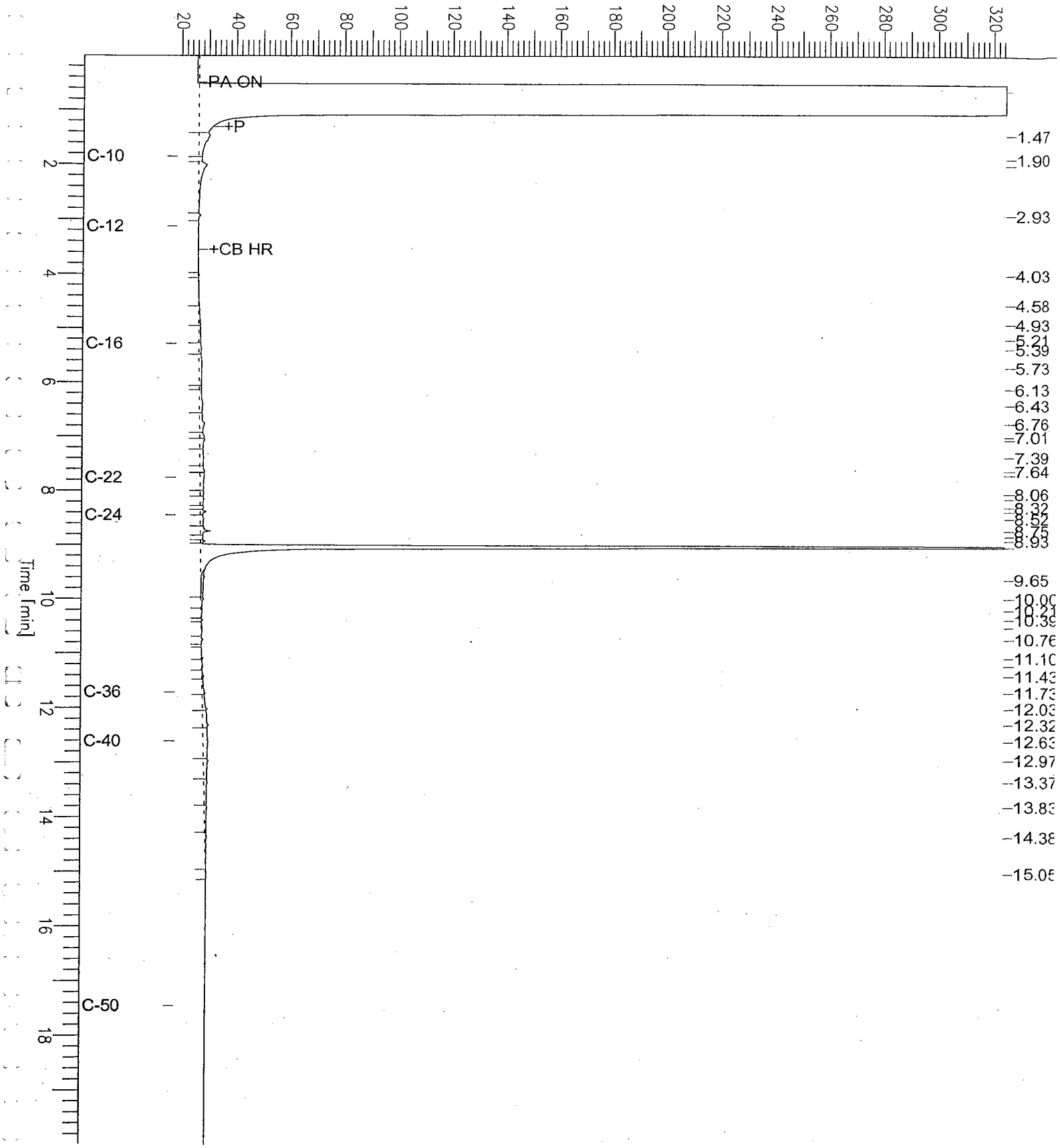


Chromatogram

Sample Name : 180434-007,103608
FileName : G:\GC17\CHA\188A047.RAW
Method : ATEH178.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 18 mV

Sample #: 103608
Date : 7/8/05 11:57 AM
Time of Injection: 7/8/05 11:37 AM
Low Point : 18.38 mV High Point : 324.64 mV
Plot Scale: 306.3 mV

TW-6-2005-07-01 Pre-Silica Gel

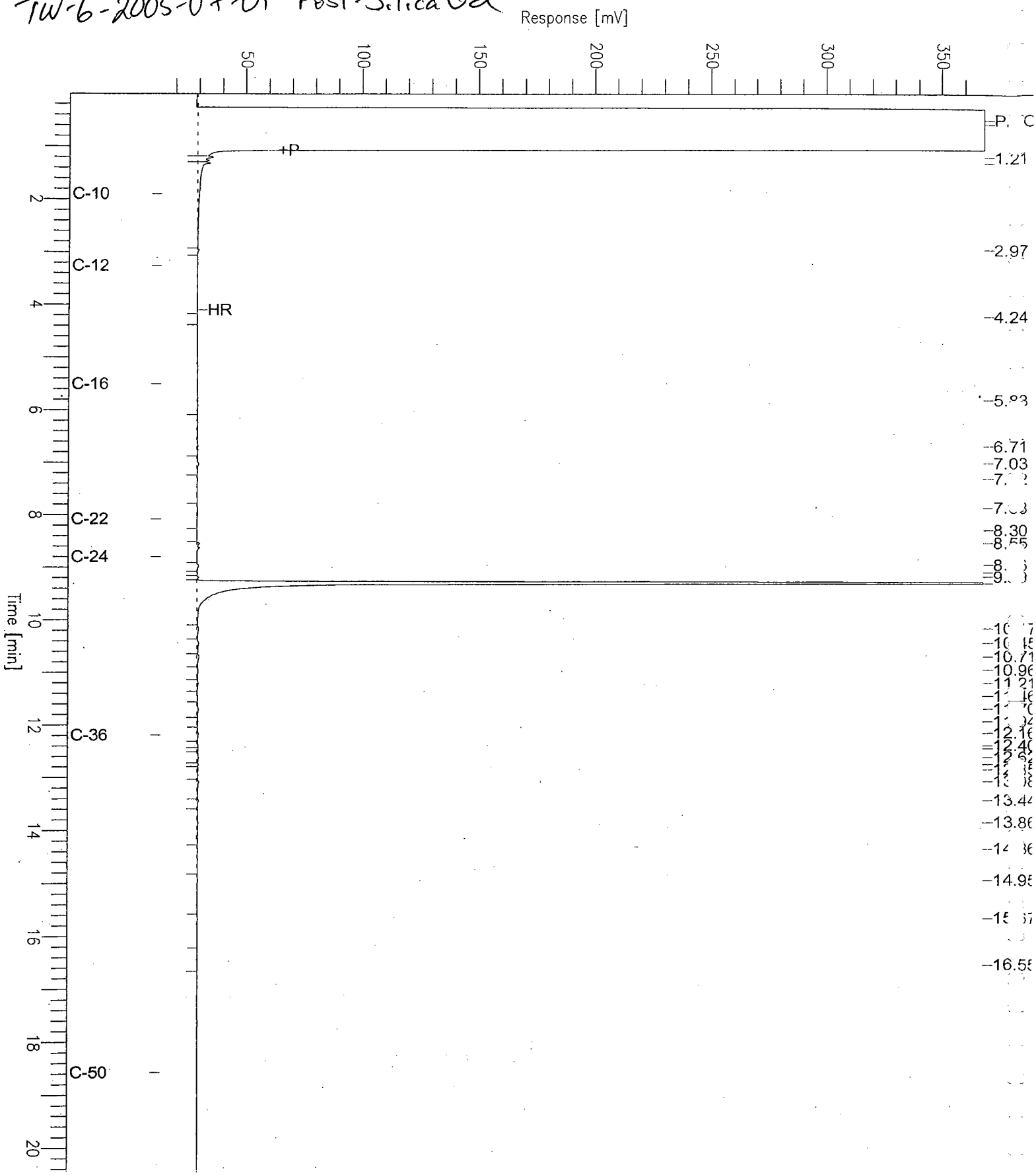


Chromatogram

Sample Name : 180434-007sg,103608
FileName : G:\GC11\CHA\188A031.RAW
Method : ATEH181S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 14 mV

Sample #: 103608
Date : 7/8/05 07:57 AM
Time of Injection: 7/8/05 02:53 AM
Low Point : 13.75 mV High Point : 368.02 mV
Plot Scale: 354.3 mV

TW-6-2005-07-01 Post-Silica Gel



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/01/05
Units:	ug/L	Received:	07/06/05
Diln Fac:	1.000	Prepared:	07/06/05
Batch#:	103608		

Field ID:	DUP-1-2005-07-01	Analyzed:	07/08/05
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	180434-008		

Analyte	Result	RL
Diesel C10-C24	620 H Y	50
Diesel C10-C24 (SGCU)	ND	50

Surrogate	%REC	Limits
Hexacosane	104	55-143
Hexacosane (SGCU)	107	55-143

Field ID:	DUP-2-2005-07-01	Analyzed:	07/08/05
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	180434-009		

Analyte	Result	RL
Diesel C10-C24	57 Y	50
Diesel C10-C24 (SGCU)	ND	50

Surrogate	%REC	Limits
Hexacosane	107	55-143
Hexacosane (SGCU)	115	55-143

Field ID:	FB-1-2005-07-01	Analyzed:	07/08/05
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	180434-010		

Analyte	Result	RL
Diesel C10-C24	ND	50
Diesel C10-C24 (SGCU)	ND	50

Surrogate	%REC	Limits
Hexacosane	101	55-143
Hexacosane (SGCU)	100	55-143

Type:	BLANK	Analyzed:	07/08/05
Lab ID:	QC300000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Diesel C10-C24 (SGCU)	ND	50

Surrogate	%REC	Limits
Hexacosane	105	55-143
Hexacosane (SGCU)	110	55-143

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

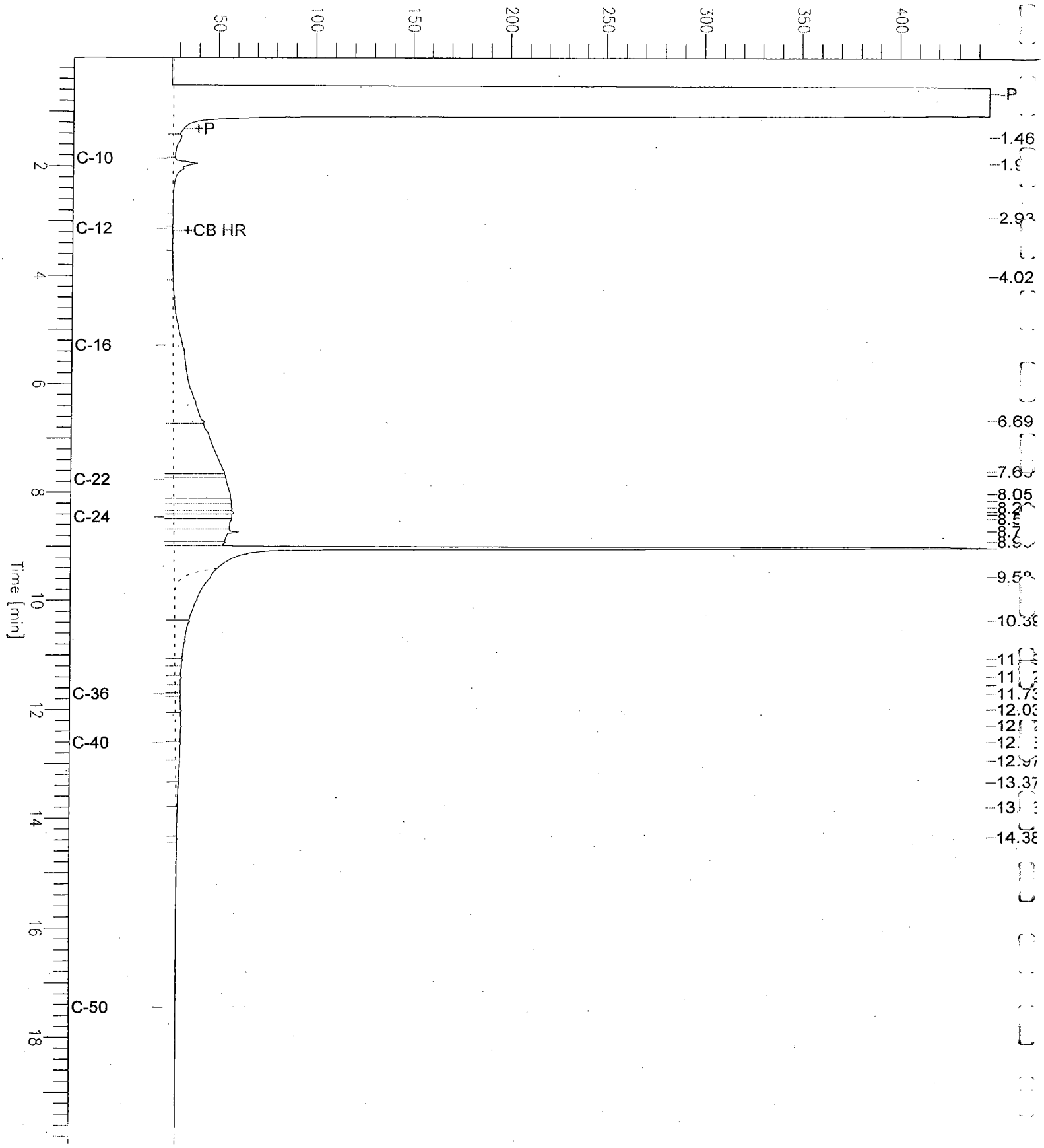
5.1

Chromatogram

Sample Name : 180434-008,103608
FileName : G:\GC17\CHA\188A048.RAW
Method : ATEH178.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 23 mV

Sample #: 103608
Date : 7/8/05 12:29 PM
Time of Injection: 7/8/05 12:06 PM
Low Point : 23.22 mV High Point : 445.41 mV
Plot Scale: 422.2 mV

DUP-1-2005-07-01 Pre-Silica Gel

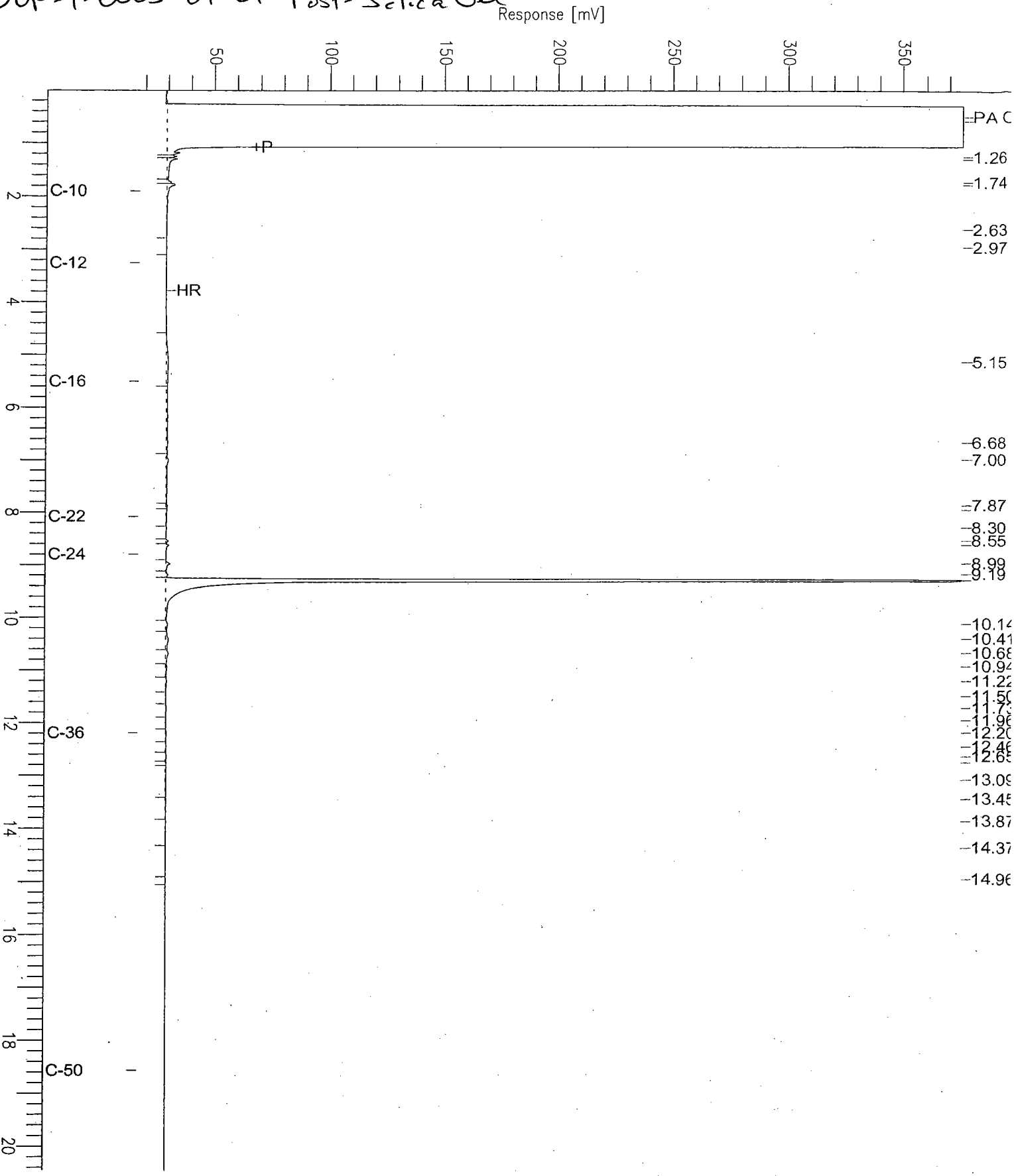


Chromatogram

Sample Name : 180434-008sg,103608
FileName : G:\GC11\CHA\188A032.RAW
Method : ATEH181S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 18 mV

Sample #: 103608
Date : 7/8/05 07:58 AM
Time of Injection: 7/8/05 03:22 AM
Low Point : 17.56 mV High Point : 375.73 mV
Plot Scale: 358.2 mV

DUP-1-2005-07-01 Post-Silica Gel

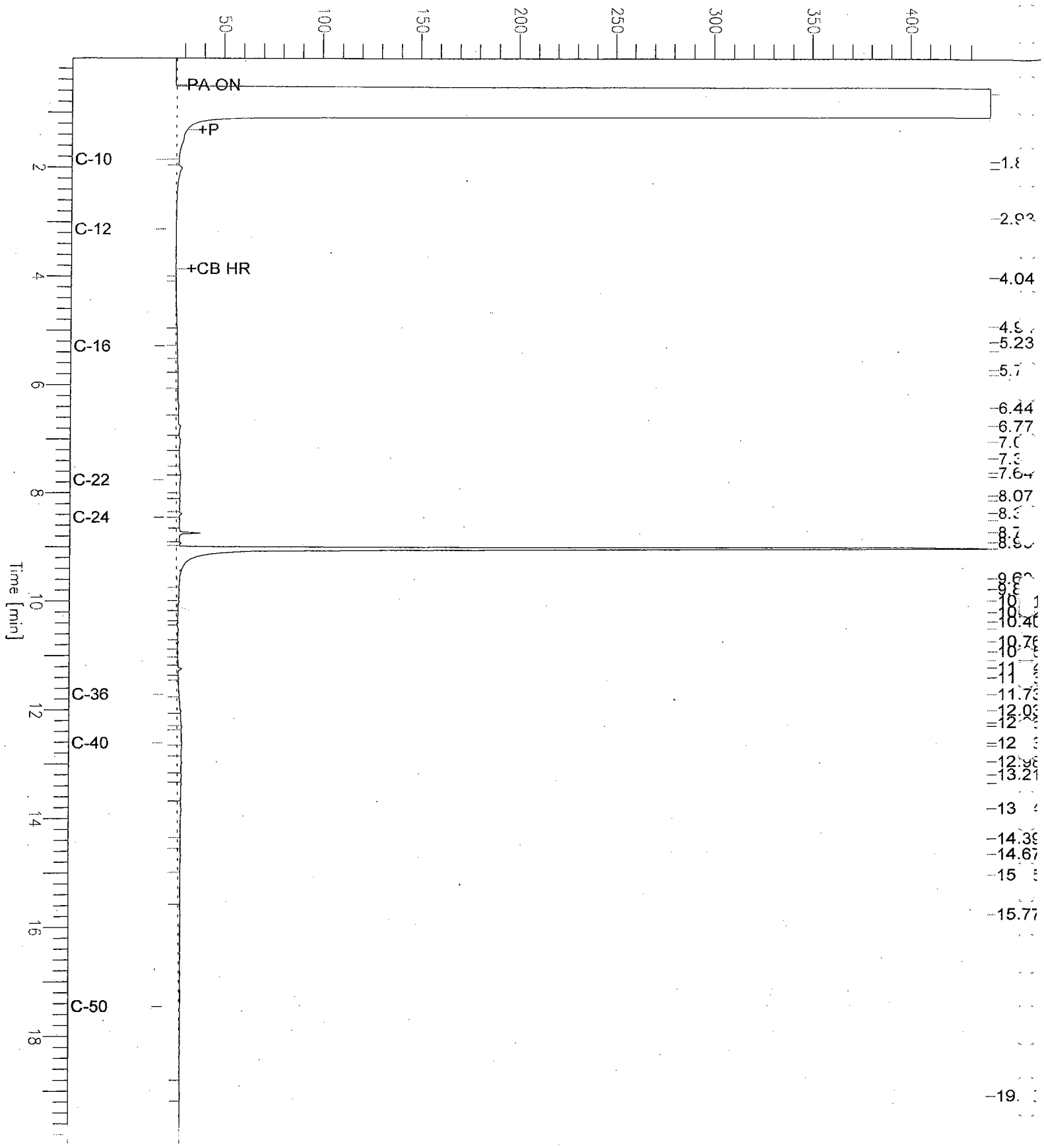


Chromatogram

Sample Name : 180434-009,103608
FileName : G:\GC17\CHA\188A049.RAW
Method : ATEH178.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 20 mV

Sample #: 103608
Date : 7/8/05 01:21 PM
Time of Injection: 7/8/05 12:34 PM
Low Point : 20.38 mV High Point : 439.75 mV
Plot Scale: 419.4 mV

DUP-2-2005-07-01 ~~Post~~ Pre Silica Gel

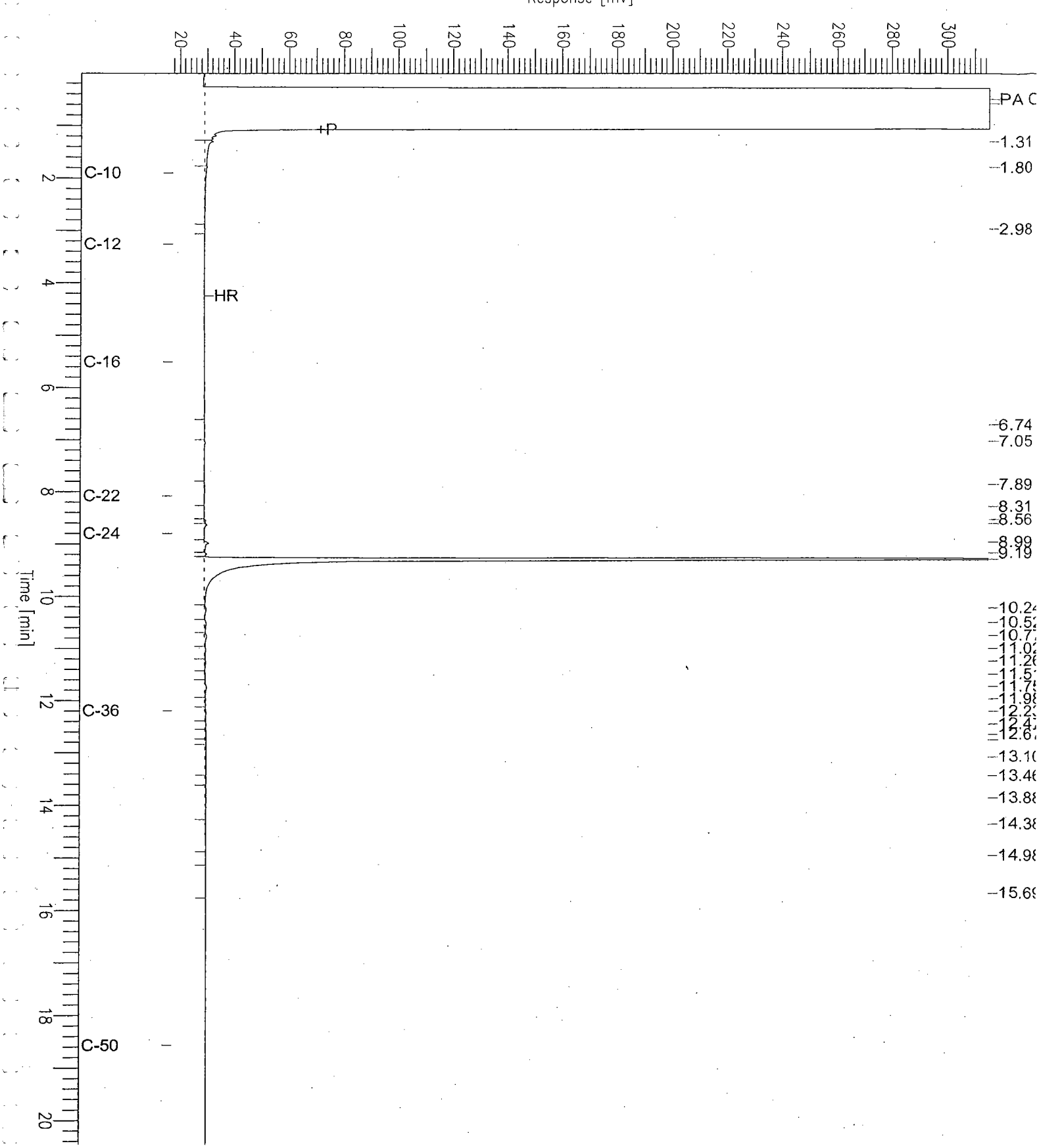


Chromatogram

Sample Name : 180434-009sg,103608
FileName : G:\GC11\CHA\188A033.RAW
Method : ATEH181S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 18 mV

Sample #: 103608
Date : 7/8/05 07:59 AM
Time of Injection: 7/8/05 03:52 AM
Low Point : 17.51 mV High Point : 315.29 mV
Plot Scale: 297.8 mV

DUP-2-2005-07-01 Post-Silica Gel



Chromatogram

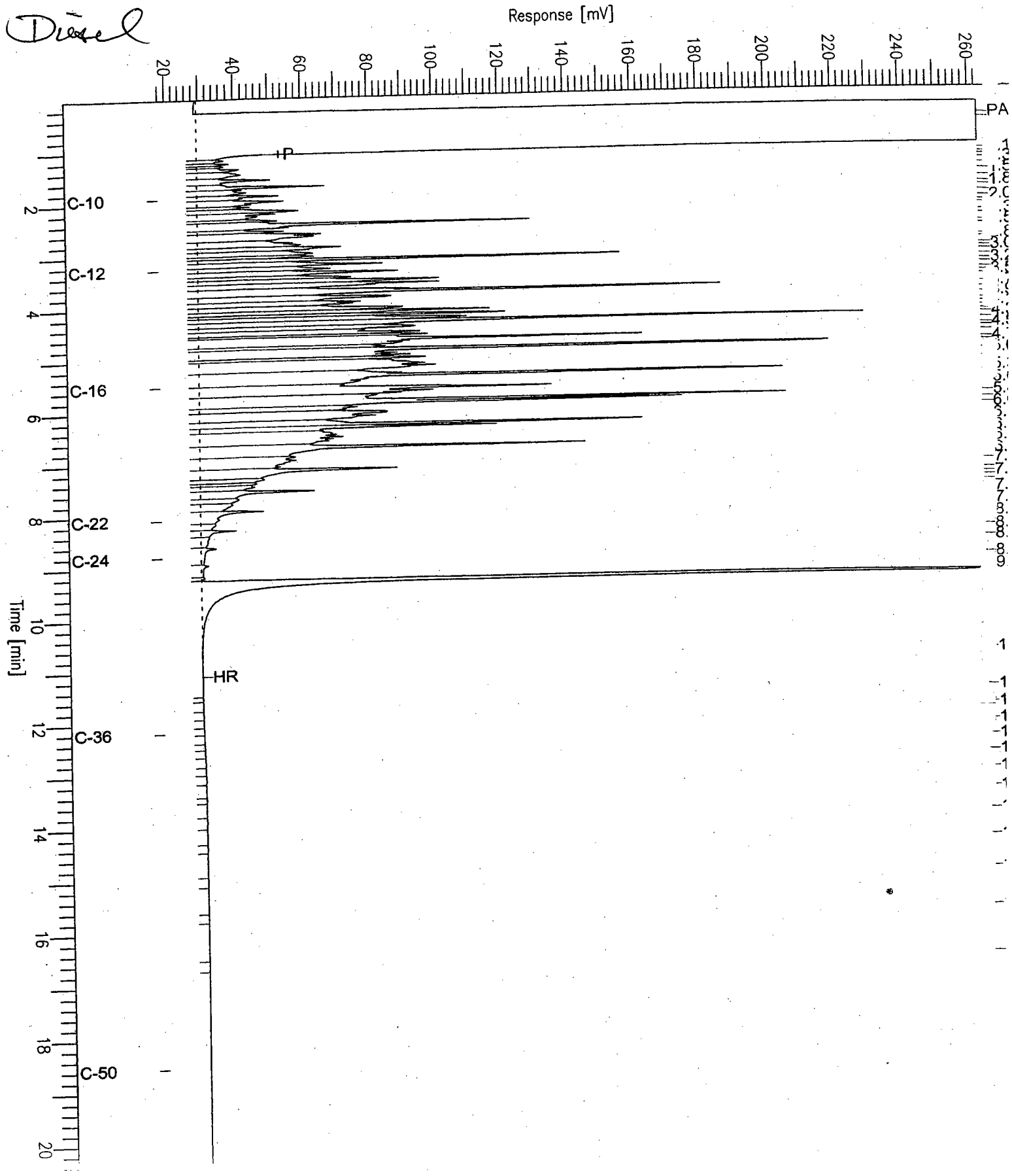
Sample Name : ccv,S1030,dsl
FileName : G:\GC11\CHA\189A003.RAW
Method : ATEH181S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 20.45 min
Plot Offset: 18 mV

Sample #: 500mg/L
Date : 7/8/05 10:42 AM
Time of Injection: 7/8/05 10:06 AM
Low Point : 17.87 mV
Plot Scale: 244.9 mV

High Point : 262.75 mV

Diesel



Curtis & Tompkins, Ltd.

atch QC Report

Total Extractable Hydrocarbons

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	103608
Units:	ug/L	Prepared:	07/06/05
Diln Fac:	1.000		

Type: BS Cleanup Method: EPA 3630C
ab ID: QC300001

Analyte	Spiked	Result	%REC	Limits	Analyzed
Diesel C10-C24	2,500	2,527	101	50-133	07/08/05
Diesel C10-C24 (SGCU)	2,500	2,599	104	50-133	07/07/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	106	55-143	07/08/05
Hexacosane (SGCU)	114	55-143	07/07/05

Type: BSD Cleanup Method: EPA 3630C
ab ID: QC300002

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Diesel C10-C24	2,500	2,585	103	50-133	2	40	07/08/05
Diesel C10-C24 (SGCU)	2,500	2,623	105	50-133	1	40	07/07/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	108	55-143	07/08/05
Hexacosane (SGCU)	117	55-143	07/07/05

RPD= Relative Percent Difference
GCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	P-2-2005-07-01	Batch#:	103628
Lab ID:	180434-001	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	2.4	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	0.6	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	12	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	19	0.5

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	P-2-2005-07-01	Batch#:	103628
Lab ID:	180434-001	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	111	80-122
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	P-3-2005-07-01	Batch#:	103682
Lab ID:	180434-002	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/08/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	4.2	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	P-3-2005-07-01	Batch#:	103682
Lab ID:	180434-002	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/08/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	107	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-124

D= Not Detected
L= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-2-2005-07-01	Batch#:	103628
Lab ID:	180434-003	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	3.5	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	27	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	41	0.5

ND= Not Detected
RL= Reporting Limit

9.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-2-2005-07-01	Batch#:	103628
Lab ID:	180434-003	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	113	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	105	80-124

D= Not Detected
L= Reporting Limit

9.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-1-2005-07-01	Batch#:	103628
Lab ID:	180434-004	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	2.8	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	19	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	28	0.5

ND= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-1-2005-07-01	Batch#:	103628
Lab ID:	180434-004	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	113	80-122
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-124

D= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1-2005-07-01	Batch#:	103628
Lab ID:	180434-005	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	5.4	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	14	0.5

ND= Not Detected
RL= Reporting Limit

11.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1-2005-07-01	Batch#:	103628
Lab ID:	180434-005	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	113	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-124

D= Not Detected
RL= Reporting Limit

11.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-4-2005-07-01	Batch#:	103581
Lab ID:	180434-006	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	86	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	13	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.9	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	8.3	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	1.4	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	2.8	0.5

ND= Not Detected
RL= Reporting Limit

12.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-4-2005-07-01	Batch#:	103581
Lab ID:	180434-006	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	114	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

12.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-6-2005-07-01	Batch#:	103581
Lab ID:	180434-007	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	2.6	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	5.3	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	0.6	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	12	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	25	0.5

ND= Not Detected
RL= Reporting Limit

13.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-6-2005-07-01	Batch#:	103581
Lab ID:	180434-007	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	114	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

13.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	DUP-1-2005-07-01	Batch#:	103581
Lab ID:	180434-008	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	87	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	14	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.9	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	8.5	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	1.5	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	2.8	0.5

ND= Not Detected
RL= Reporting Limit

14.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	DUP-1-2005-07-01	Batch#:	103581
Lab ID:	180434-008	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	114	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

14.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	DUP-2-2005-07-01	Batch#:	103628
Lab ID:	180434-009	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	2.6	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	5.2	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	0.6	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	12	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	25	0.5

ND= Not Detected
RL= Reporting Limit

15.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	DUP-2-2005-07-01	Batch#:	103628
Lab ID:	180434-009	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	109	80-122
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-124

D= Not Detected
L= Reporting Limit

15.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	FB-1-2005-07-01	Batch#:	103581
Lab ID:	180434-010	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

16.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	FB-1-2005-07-01	Batch#:	103581
Lab ID:	180434-010	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	114	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-124

D= Not Detected
L= Reporting Limit

16.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TB-1-2005-07-01	Batch#:	103581
Lab ID:	180434-011	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

17.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TB-1-2005-07-01	Batch#:	103581
Lab ID:	180434-011	Sampled:	07/01/05
Matrix:	Water	Received:	07/06/05
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	114	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-124

D= Not Detected
L= Reporting Limit

17.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC299915	Batch#:	103581
Matrix:	Water	Analyzed:	07/06/05
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

18.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC299915	Batch#:	103581
Matrix:	Water	Analyzed:	07/06/05
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	107	80-122
Toluene-d8	98	80-120
Bromofluorobenzene	103	80-124

ND= Not Detected
RL= Reporting Limit

18.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC300083	Batch#:	103628
Matrix:	Water	Analyzed:	07/07/05
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

19.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC300083	Batch#:	103628
Matrix:	Water	Analyzed:	07/07/05
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	108	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-124

ND= Not Detected
RL= Reporting Limit

19.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC300293	Batch#:	103682
Matrix:	Water	Analyzed:	07/08/05
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

20.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC300293	Batch#:	103682
Matrix:	Water	Analyzed:	07/08/05
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120
1,2-Dichloroethane-d4	105	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-124

D= Not Detected
L= Reporting Limit

20.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	103581
Units:	ug/L	Analyzed:	07/06/05
Diln Fac:	1.000		

Type: BS Lab ID: QC299913

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	29.19	117	75-121
Benzene	25.00	23.91	96	80-120
Trichloroethene	25.00	26.00	104	78-120
Toluene	25.00	24.49	98	80-120
Chlorobenzene	25.00	25.09	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	99	80-124

Type: BSD Lab ID: QC299914

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	29.17	117	75-121	0	20
Benzene	25.00	24.50	98	80-120	2	20
Trichloroethene	25.00	26.40	106	78-120	2	20
Toluene	25.00	25.41	102	80-120	4	20
Chlorobenzene	25.00	25.89	104	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	103	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	103628
Units:	ug/L	Analyzed:	07/07/05
Diln Fac:	1.000		

Type: BS Lab ID: QC300081

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	29.77	119	75-121
Benzene	25.00	24.28	97	80-120
Trichloroethene	25.00	26.86	107	78-120
Toluene	25.00	25.29	101	80-120
Chlorobenzene	25.00	25.53	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	108	80-122
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-124

Type: BSD Lab ID: QC300082

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	30.22	121	75-121	2	20
Benzene	25.00	24.61	98	80-120	1	20
Trichloroethene	25.00	27.20	109	78-120	1	20
Toluene	25.00	25.60	102	80-120	1	20
Chlorobenzene	25.00	25.94	104	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-124

RPD= Relative Percent Difference

22.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180434	Location:	Pt. St. George Fisheries
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	103682
Units:	ug/L	Analyzed:	07/08/05
Diln Fac:	1.000		

Type: BS Lab ID: QC300291

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	27.68	111	75-121
Benzene	25.00	23.08	92	80-120
Trichloroethene	25.00	25.03	100	78-120
Toluene	25.00	23.81	95	80-120
Chlorobenzene	25.00	24.52	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	104	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-124

Type: BSD Lab ID: QC300292

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	28.79	115	75-121	4	20
Benzene	25.00	23.97	96	80-120	4	20
Trichloroethene	25.00	26.60	106	78-120	6	20
Toluene	25.00	24.84	99	80-120	4	20
Chlorobenzene	25.00	25.19	101	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	104	80-122
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-124

RPD= Relative Percent Difference

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

RECEIVED
JUL 21 2005
TREADWELL & ROLLO

A N A L Y T I C A L R E P O R T

Prepared for:

Treadwell & Rollo
555 Montgomery Street
Suite 1300
San Francisco, CA 94111

Date: 15-JUL-05
Lab Job Number: 180368
Project ID: STANDARD
Location: Point St. George Fisherie

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	180368
Client:	**Treadwell & Rollo**
Location:	**Point St. George Fisherie**
Request Date:	07/01/05
Samples Received:	07/01/05

This hardcopy data package contains sample and QC results for six water samples, requested for the above referenced project on 07/01/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Hexachlorobutadiene was detected above the RL in the method blank for batch 103492; this analyte was not detected in samples at or above the RL. No other analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Alkalinity (EPA 310.1):
No analytical problems were encountered.

Chemical Oxygen Demand (SM 5220D):
No analytical problems were encountered.

Biochemical Oxygen Demand (EPA 405.1):
No analytical problems were encountered.

1 60 : 0

BLAINE TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 050630-BM1

CLIENT: Treadwell & Rollo

SITE: Point St. George Fisheries Facility
Santa Rosa, CA

CONDUCT ANALYSIS TO DETECT

LAB: Curtis & Tompkins | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- [x] EPA
- [ ] LIA
- [ ] OTHER
- [ ] RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice and Report to : Treadwell & Rollo
Attn: Brian Moore

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-GAS (8015M)	TPH-DIESEL (8015M)	VOC's by 8260B	Alkalinity by 310.2, Chloride, Sulfide & Nitrate by 300	Manganese by 6010	BOD by 405.1	COD by 410.4		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TW-2-2005-06-30	6/30	1020	W	10	mixed		X	X	X	X	X	X	X					180368-001
TW-3-2005-06-30		1050					X	X	X	X	X	X	X					-002
TW-7-2005-06-30		1130					X	X	X	X	X	X	X					-003
TW-5-2005-06-30		1220					X	X	X	X	X	X	X					-004
D-1-2005-06-30		1250		6			X	X	X									-005
TW-3-2005-06-30		1320		6			X	X	X									-006

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	6/30/05	1320	B. Myers	48hr TAT (except BOD: Standard)

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Brandon [signature]	6/30/05	1600	[signature]	7-1-05	0955

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
Fed-Ex	6/30/05	1600	1

SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1
Effective Date: 10-May-99
Revision: 1 Number 1 of 3
Filename: F:\QC\Forms\QC\Cooler.wpd

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 180368 Date Received: ~~6~~ 7-1-05 Number of Coolers: 1
Client: Treadwell & Rollo Project: Point St. George Fisheries Facility

A. Preliminary Examination Phase
Date Opened: 7-1-05 By (print): Troy Windsor (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc.)? ..... YES NO
   If YES, enter carrier name and airbill number: FedEx 851101228880
2. Were custody seals on outside of cooler? ..... YES NO
   How many and where? _____ Seal date: _____ Seal name: _____
3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES NO N/A
4. Were custody papers dry and intact when received? ..... YES NO
5. Were custody papers filled out properly (ink, signed, etc.)? ..... YES NO
6. Did you sign the custody papers in the appropriate place? ..... YES NO
7. Was project identifiable from custody papers? ..... YES NO
   If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. ..... YES NO
   Type of ice: wet Temperature: 5.2

B. Login Phase
Date Logged In: 7-1-05 By (print): Troy Windsor (sign) [signature]

1. Describe type of packing in cooler: In ziploc type bags + vous in bubblewrap
2. Did all bottles arrive unbroken? ..... YES NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? ..... YES NO
4. Did bottle labels agree with custody papers? ..... YES NO
5. Were appropriate containers used for the tests indicated? ..... YES NO
6. Were correct preservatives added to samples? ..... YES NO
7. Was sufficient amount of sample sent for tests indicated? ..... YES NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below ..... YES NO
9. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, give details below.
   Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/30/05
Units:	ug/L	Received:	07/01/05
Diln Fac:	1.000	Analyzed:	07/01/05
Batch#:	103478		

Field ID: TW-2-2005-06-30 Lab ID: 180368-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	63-141
Bromofluorobenzene (FID)	102	79-139

ield ID: TW-3-2005-06-30 Lab ID: 180368-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	63-141
Bromofluorobenzene (FID)	105	79-139

ield ID: TW-7-2005-06-30 Lab ID: 180368-003
ype: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	63-141
Bromofluorobenzene (FID)	110	79-139

Field ID: TW-5-2005-06-30 Lab ID: 180368-004
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	63-141
Bromofluorobenzene (FID)	116	79-139

D= Not Detected
L= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/30/05
Units:	ug/L	Received:	07/01/05
Diln Fac:	1.000	Analyzed:	07/01/05
Batch#:	103478		

Field ID: P-1-2005-06-30 Lab ID: 180368-005
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	63-141
Bromofluorobenzene (FID)	106	79-139

Field ID: MW-3-2005-06-30 Lab ID: 180368-006
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	63-141
Bromofluorobenzene (FID)	106	79-139

Type: BLANK Lab ID: QC299539

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	63-141
Bromofluorobenzene (FID)	97	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC299541	Batch#:	103478
Matrix:	Water	Analyzed:	07/01/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,988	99	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	63-141
Bromofluorobenzene (FID)	116	79-139

3.0

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	103478
MSS Lab ID:	180358-010	Sampled:	06/30/05
Matrix:	Water	Received:	06/30/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Type: MS Lab ID: QC299551

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	12.77	2,000	2,005	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	136	63-141
Bromofluorobenzene (FID)	119	79-139

Type: MSD Lab ID: QC299552

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,024	101	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	139	63-141
Bromofluorobenzene (FID)	122	79-139

RPD= Relative Percent Difference

4.0

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/30/05
Units:	ug/L	Received:	07/01/05
Diln Fac:	1.000	Prepared:	07/01/05
Batch#:	103509		

Field ID: TW-2-2005-06-30 Lab ID: 180368-001
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	52 Y	50	07/04/05
Diesel C10-C24 (SGCU)	ND	50	07/05/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	96	55-143	07/04/05
Hexacosane (SGCU)	118	55-143	07/05/05

Field ID: TW-3-2005-06-30 Lab ID: 180368-002
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	510 H Y	50	07/04/05
Diesel C10-C24 (SGCU)	ND	50	07/05/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	100	55-143	07/04/05
Hexacosane (SGCU)	118	55-143	07/05/05

Field ID: TW-7-2005-06-30 Lab ID: 180368-003
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	180 H Y	50	07/04/05
Diesel C10-C24 (SGCU)	ND	50	07/05/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	98	55-143	07/04/05
Hexacosane (SGCU)	114	55-143	07/05/05

Field ID: TW-5-2005-06-30 Lab ID: 180368-004
Type: SAMPLE Analyzed: 07/04/05

Analyte	Result	RL
Diesel C10-C24	ND	50
Diesel C10-C24 (SGCU)	NA	

Surrogate	Result	%REC	Limits
Hexacosane		95	55-143
Hexacosane (SGCU)	NA		

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

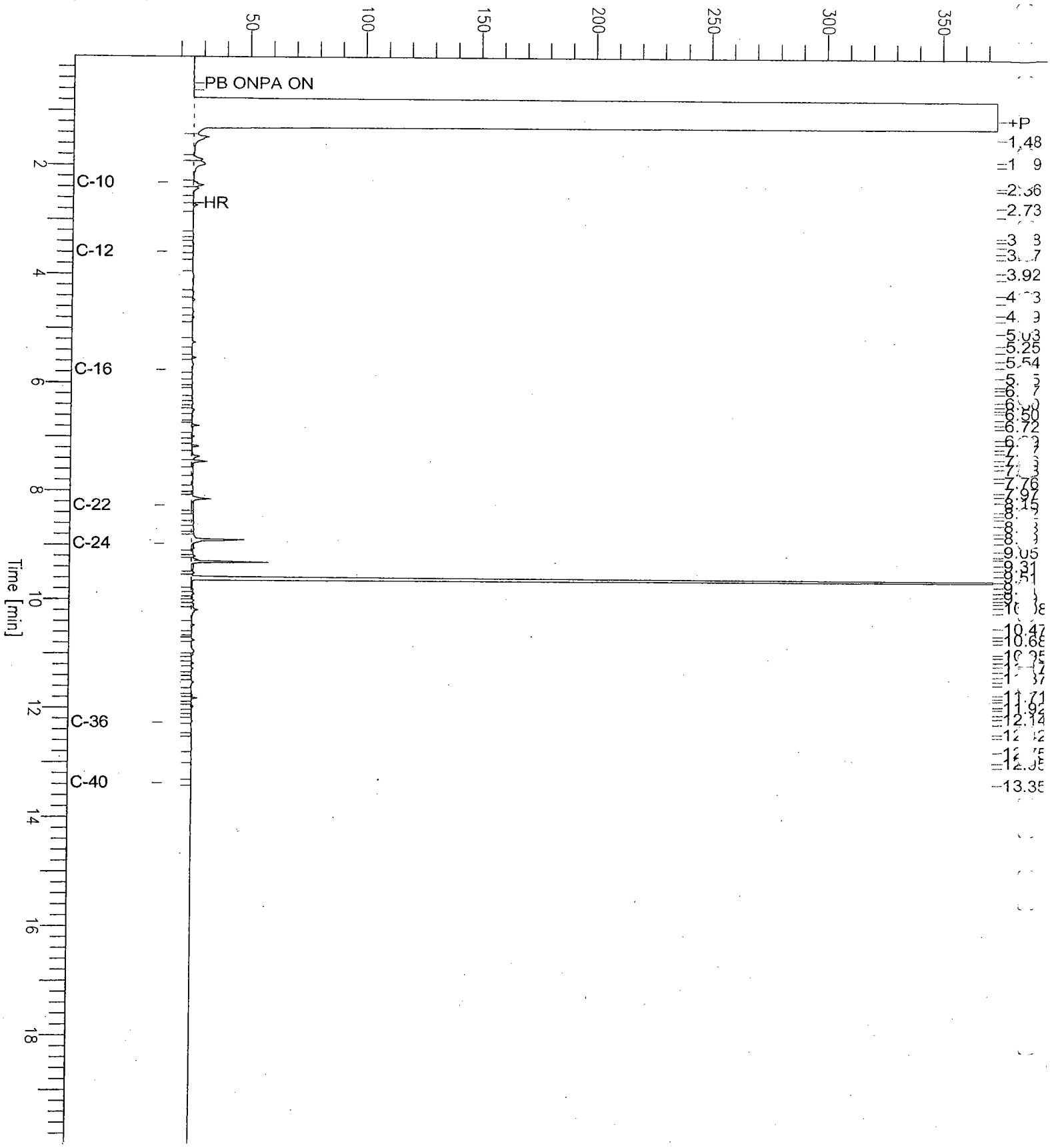
13.1

Chromatogram

Sample Name : 180368-001,103509
FileName : G:\GC15\CHB\185B007.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 14 mV

Sample #: 103509
Date : 7/5/05 07:50 AM
Time of Injection: 7/4/05 11:59 AM
Low Point : 14.44 mV High Point : 373.60 mV
Plot Scale: 359.2 mV

TW-2-2005-06-30 Pre-Silica Gel

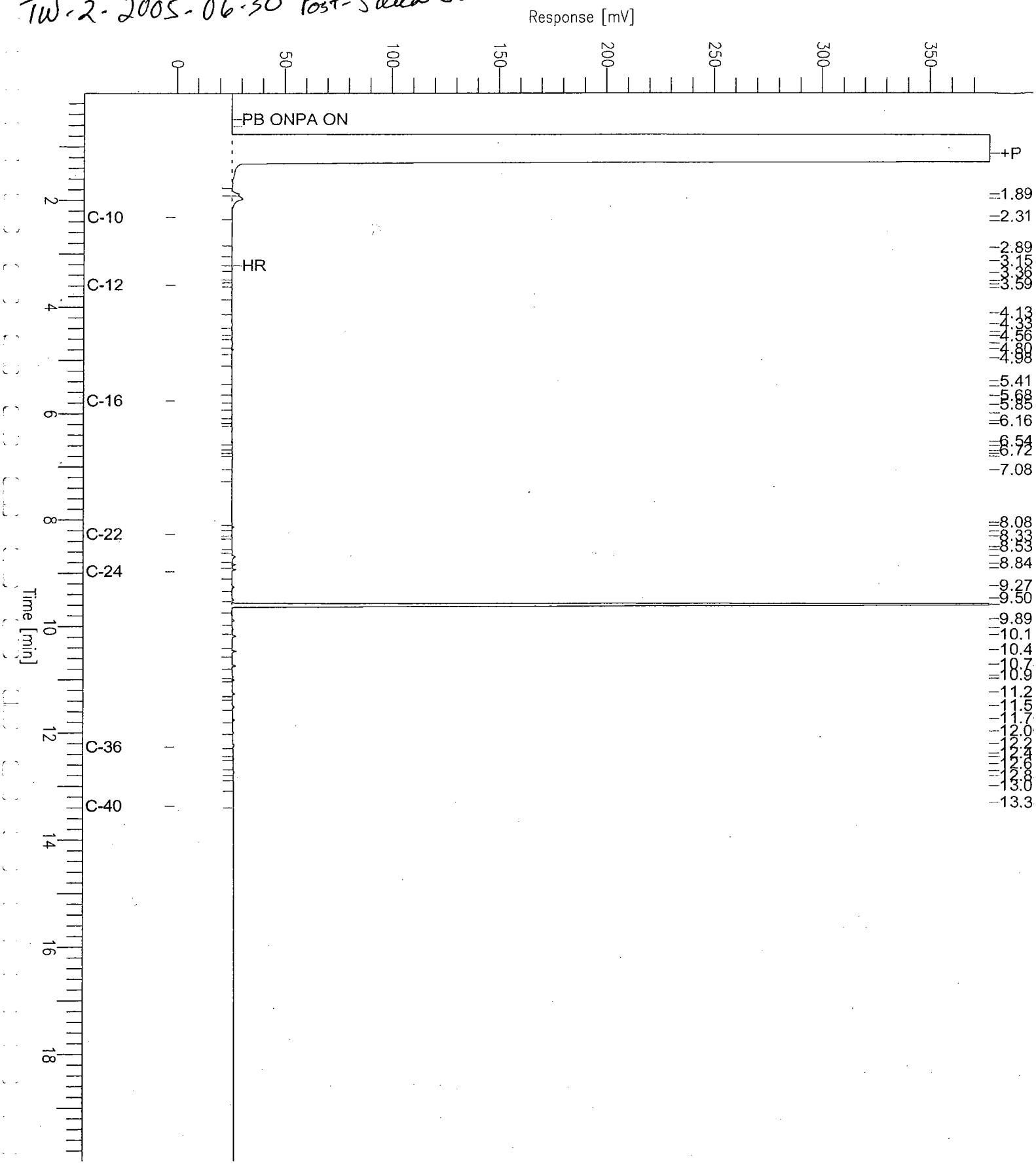


Chromatogram

Sample Name : 180368-001sg,103509
FileName : G:\GC15\CHB\186B009.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: -1 mV

Sample #: 103509
Date : 7/6/05 09:03 AM
Time of Injection: 7/5/05 08:00 PM
Low Point : -0.77 mV High Point : 377.34 mV
Plot Scale: 378.1 mV

TW-2-2005-06-30 Post-Silica Gel

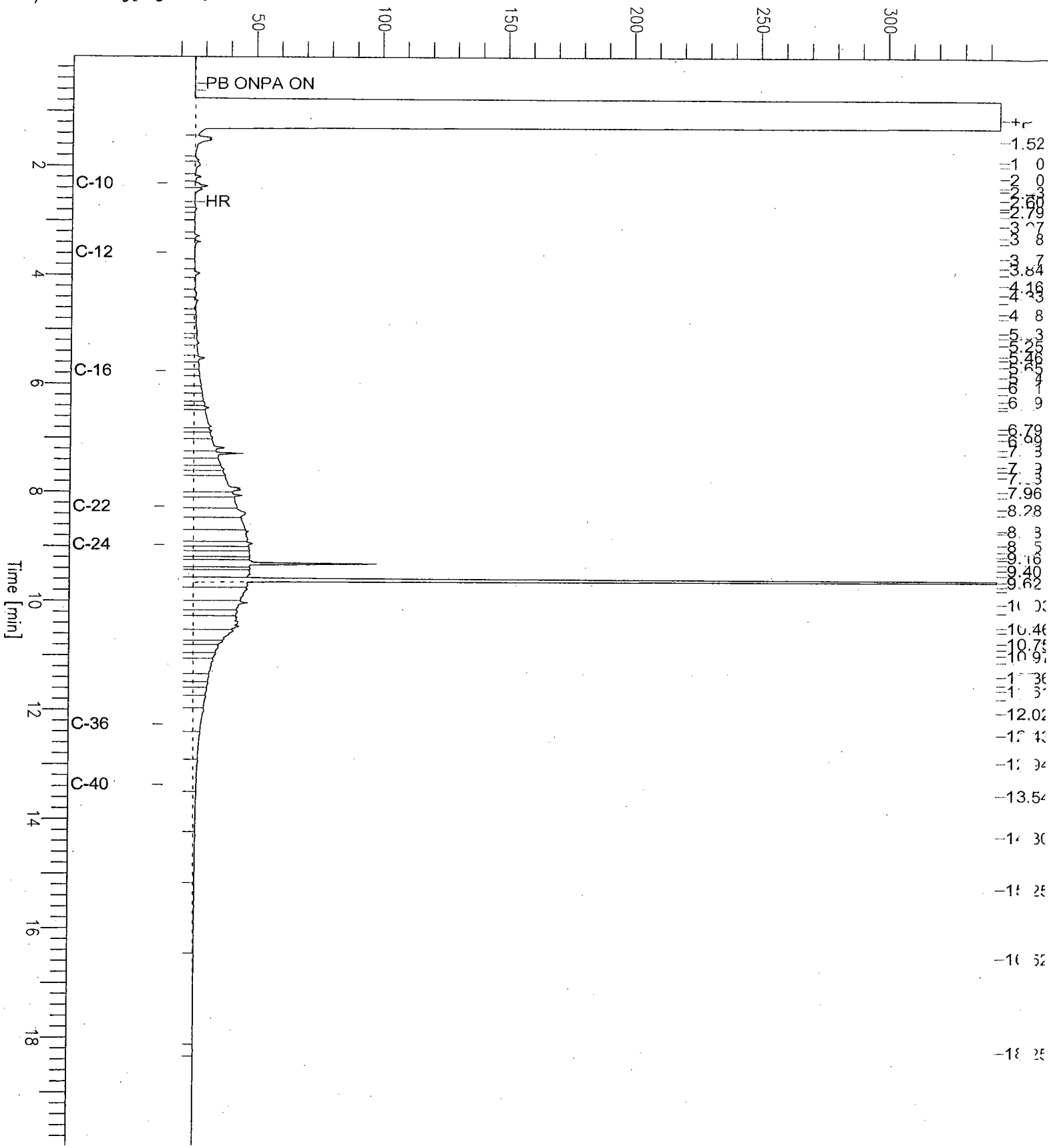


Chromatogram

Sample Name : 180368-002,103509
FileName : G:\GC15\CHB\185B008.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 15 mV

Sample #: 103509
Date : 7/5/05 07:51 AM
Time of Injection: 7/4/05 12:28 PM
Low Point : 14.60 mV High Point : 343.56 mV
Plot Scale: 329.0 mV

TW-3-2005-06-30 Pre-Silica Gel

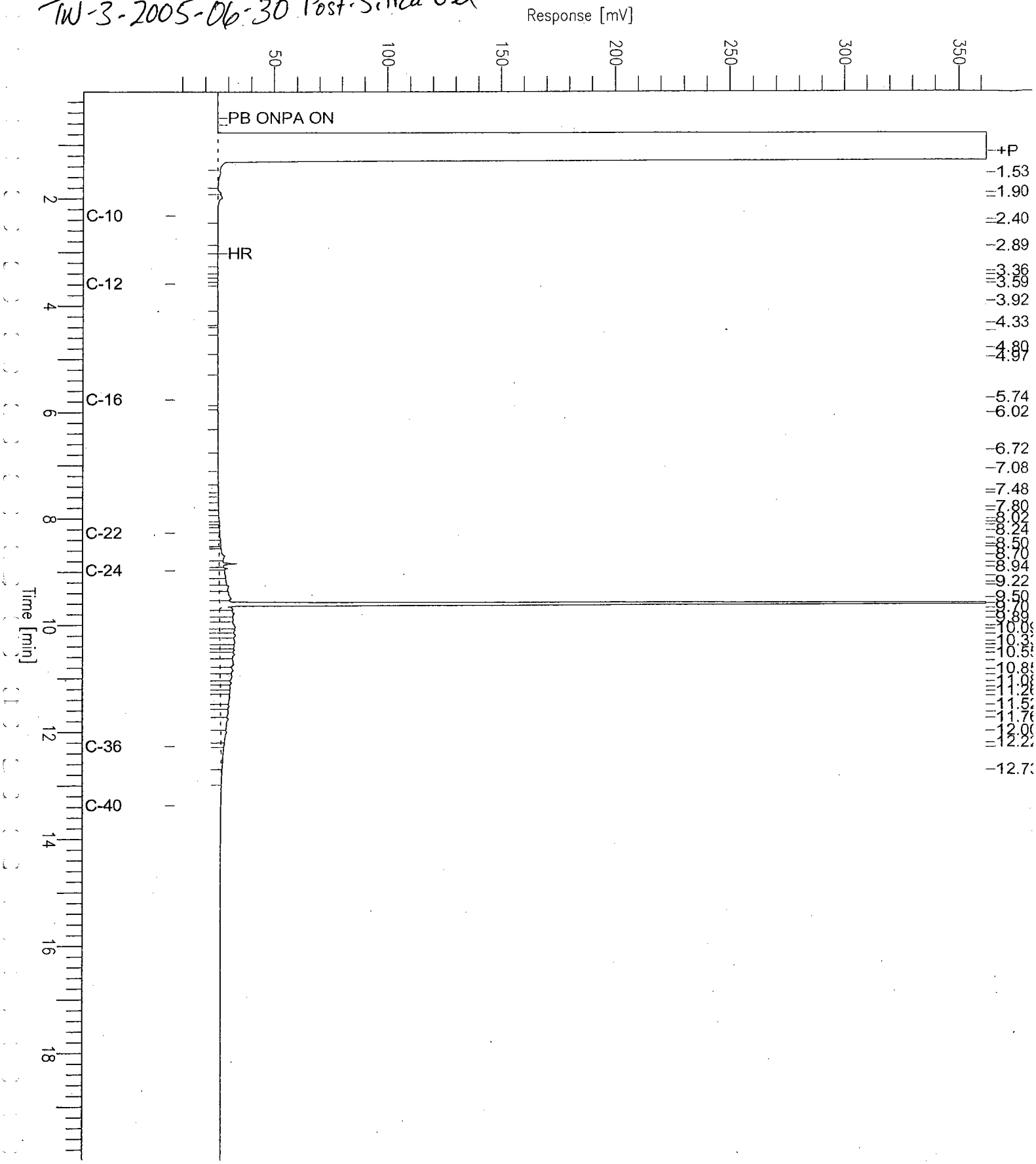


Chromatogram

Sample Name : 180368-002sg,103509
FileName : G:\GC15\CHB\186B010.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 7 mV

Sample #: 103509
Date : 7/6/05 09:04 AM
Time of Injection: 7/5/05 08:29 PM
Low Point : 6.73 mV High Point : 362.31 mV
Plot Scale: 355.6 mV

TW-3-2005-06-30 Post-Silica Gel

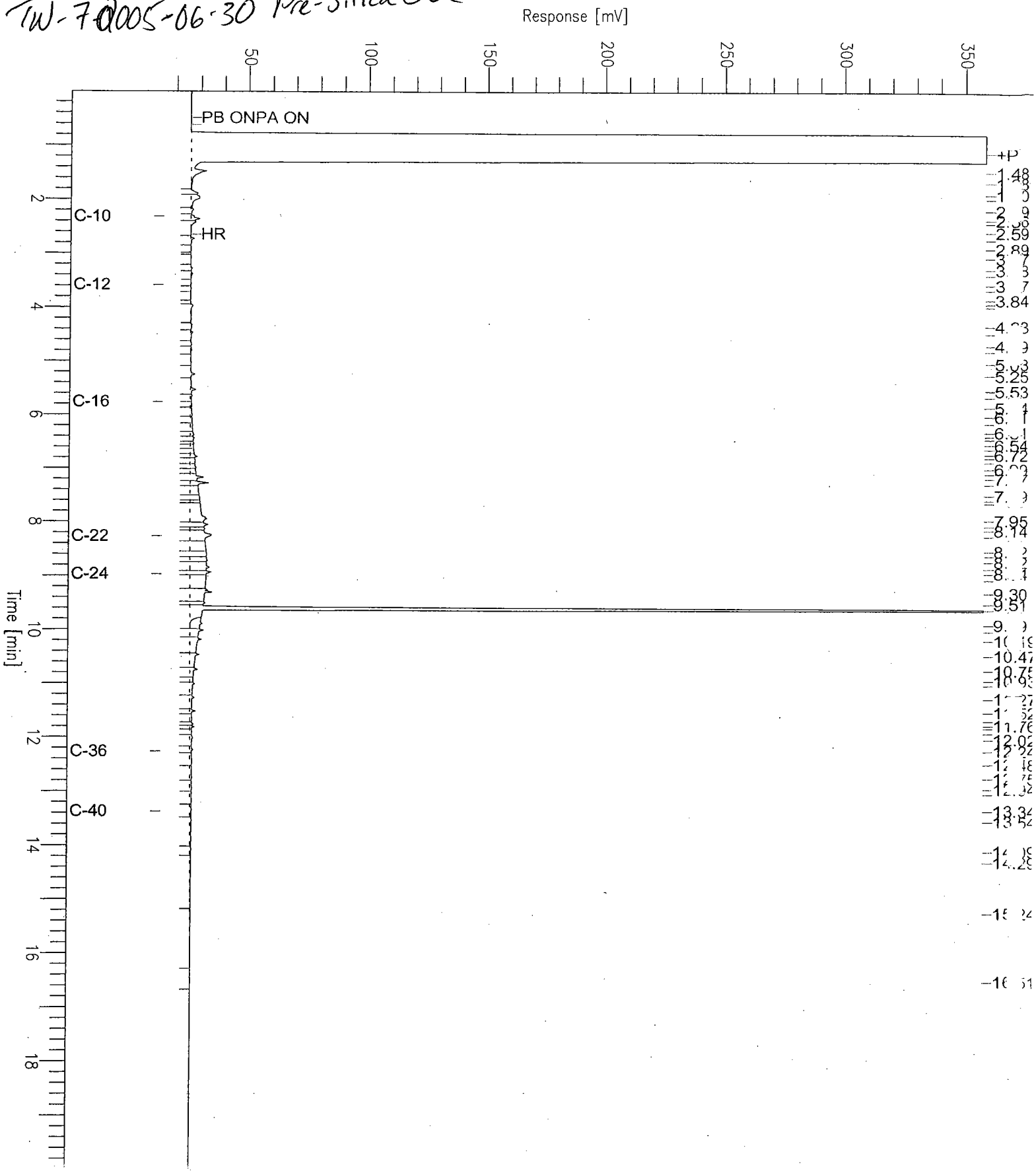


Chromatogram

Sample Name : 180368-003,103509
FileName : G:\GC15\CHB\185B009.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 15 mV

Sample #: 103509
Date : 7/5/05 07:51 AM
Time of Injection: 7/4/05 12:57 PM
Low Point : 14.62 mV High Point : 358.59 mV
Plot Scale: 344.0 mV

TW-7 2005-06-30 Pre-Silica Gel

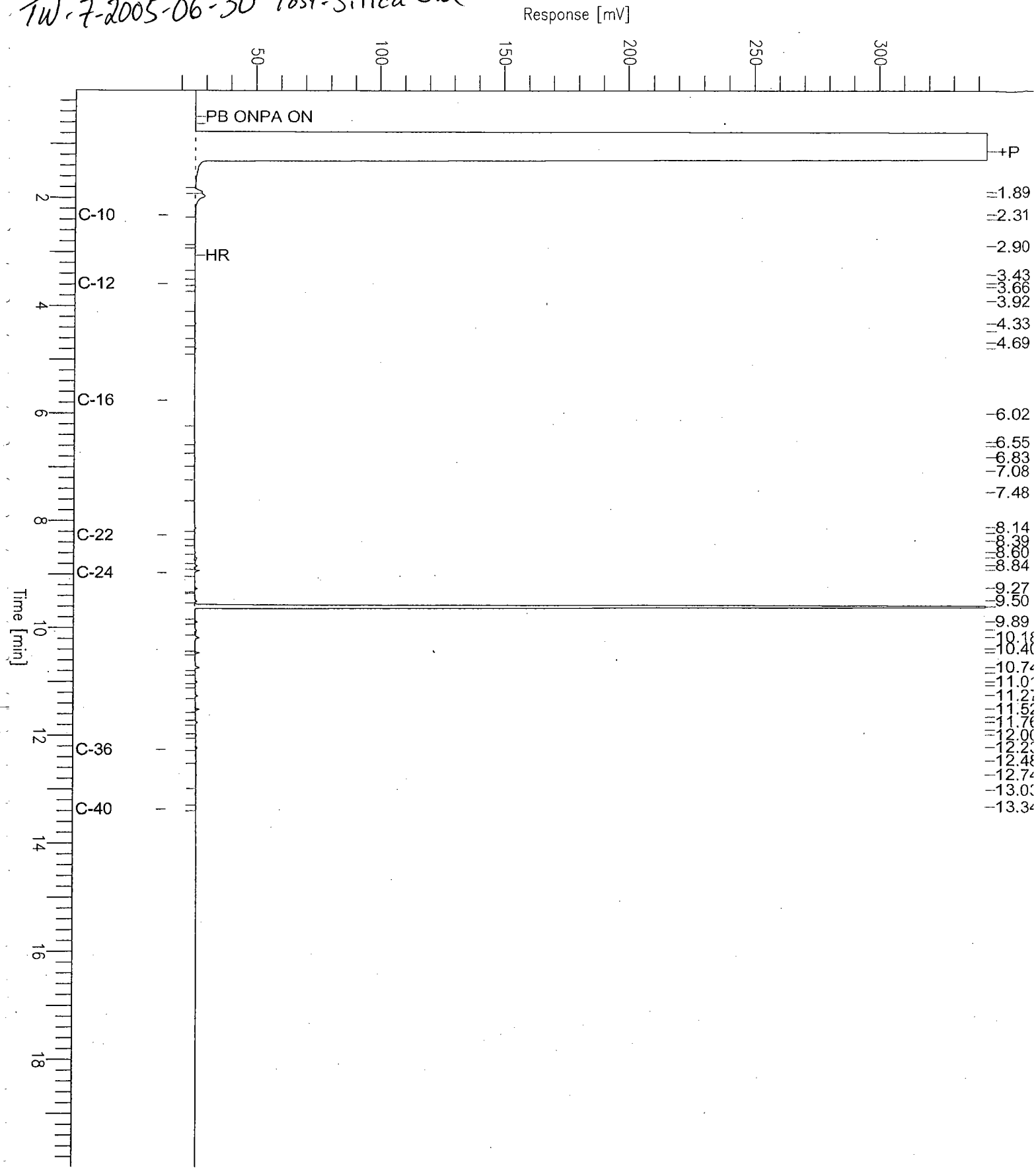


Chromatogram

Sample Name : 180368-003sg,103509
FileName : G:\GC15\CHB\186B011.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 14 mV

Sample #: 103509
Date : 7/6/05 09:04 AM
Time of Injection: 7/5/05 08:58 PM
Low Point : 14.48 mV High Point : 343.42 mV
Plot Scale: 328.9 mV

TW-7-2005-06-30 Post-Silica Gel



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/30/05
Units:	ug/L	Received:	07/01/05
Diln Fac:	1.000	Prepared:	07/01/05
Batch#:	103509		

Field ID: P-1-2005-06-30 Lab ID: 180368-005
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	99 H Y	50	07/04/05
Diesel C10-C24 (SGCU)	ND	50	07/05/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	99	55-143	07/04/05
Hexacosane (SGCU)	113	55-143	07/05/05

Field ID: MW-3-2005-06-30 Lab ID: 180368-006
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	60 Y	50	07/04/05
Diesel C10-C24 (SGCU)	ND	50	07/05/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	97	55-143	07/04/05
Hexacosane (SGCU)	108	55-143	07/05/05

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC299656

Analyte	Result	RL	Analyzed
Diesel C10-C24	ND	50	07/05/05
Diesel C10-C24 (SGCU)	ND	50	07/03/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	91	55-143	07/05/05
Hexacosane (SGCU)	83	55-143	07/03/05

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

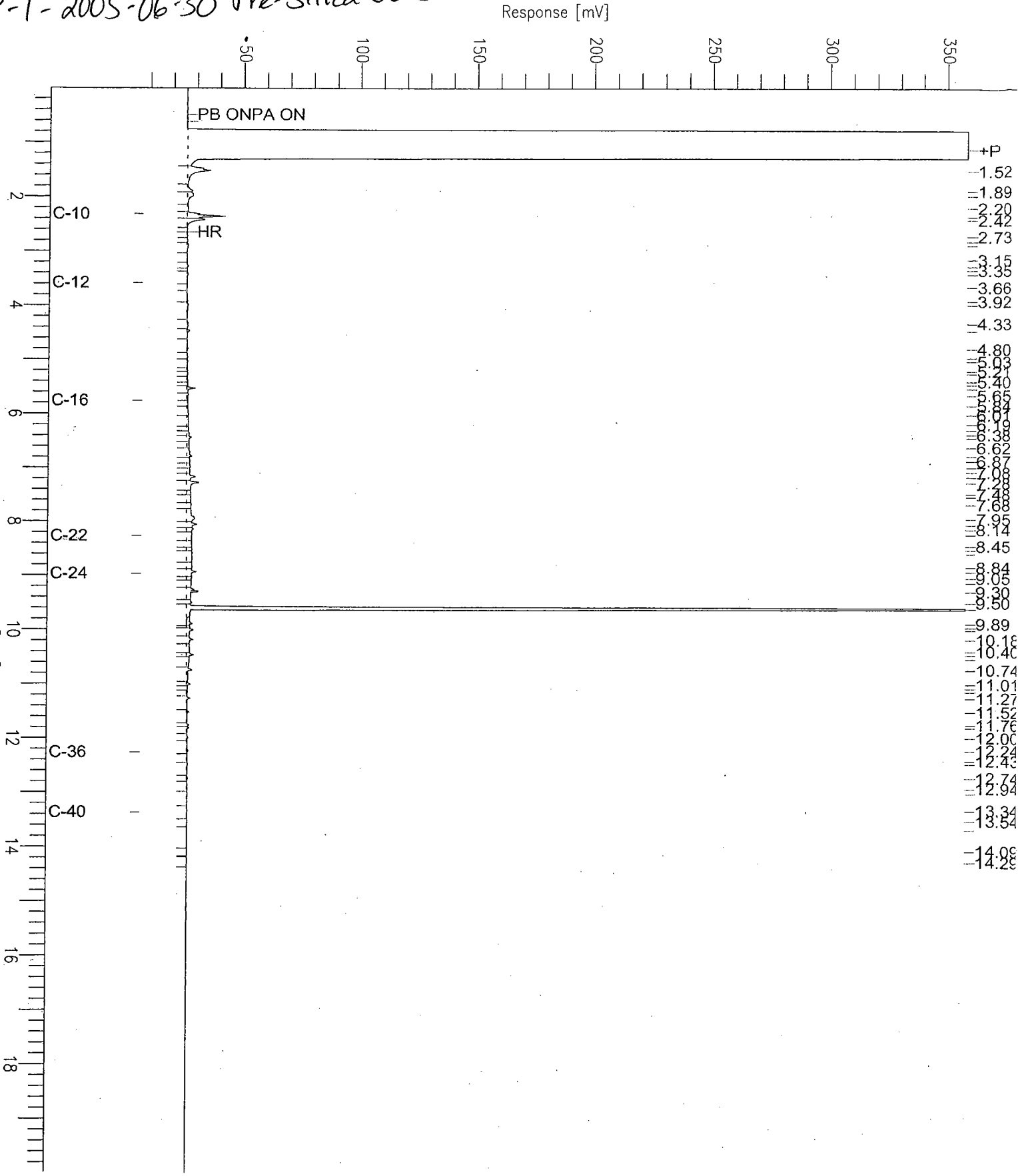
13.1

Chromatogram

Sample Name : 180368-005,103509
FileName : G:\GC15\CHB\185B011.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 7 mV

Sample #: 103509
Date : 7/5/05 07:52 AM
Time of Injection: 7/4/05 01:54 PM
Low Point : 6.87 mV High Point : 358.54 mV
Plot Scale: 351.7 mV

P-1-2005-06-30 Pre-Silica Gel

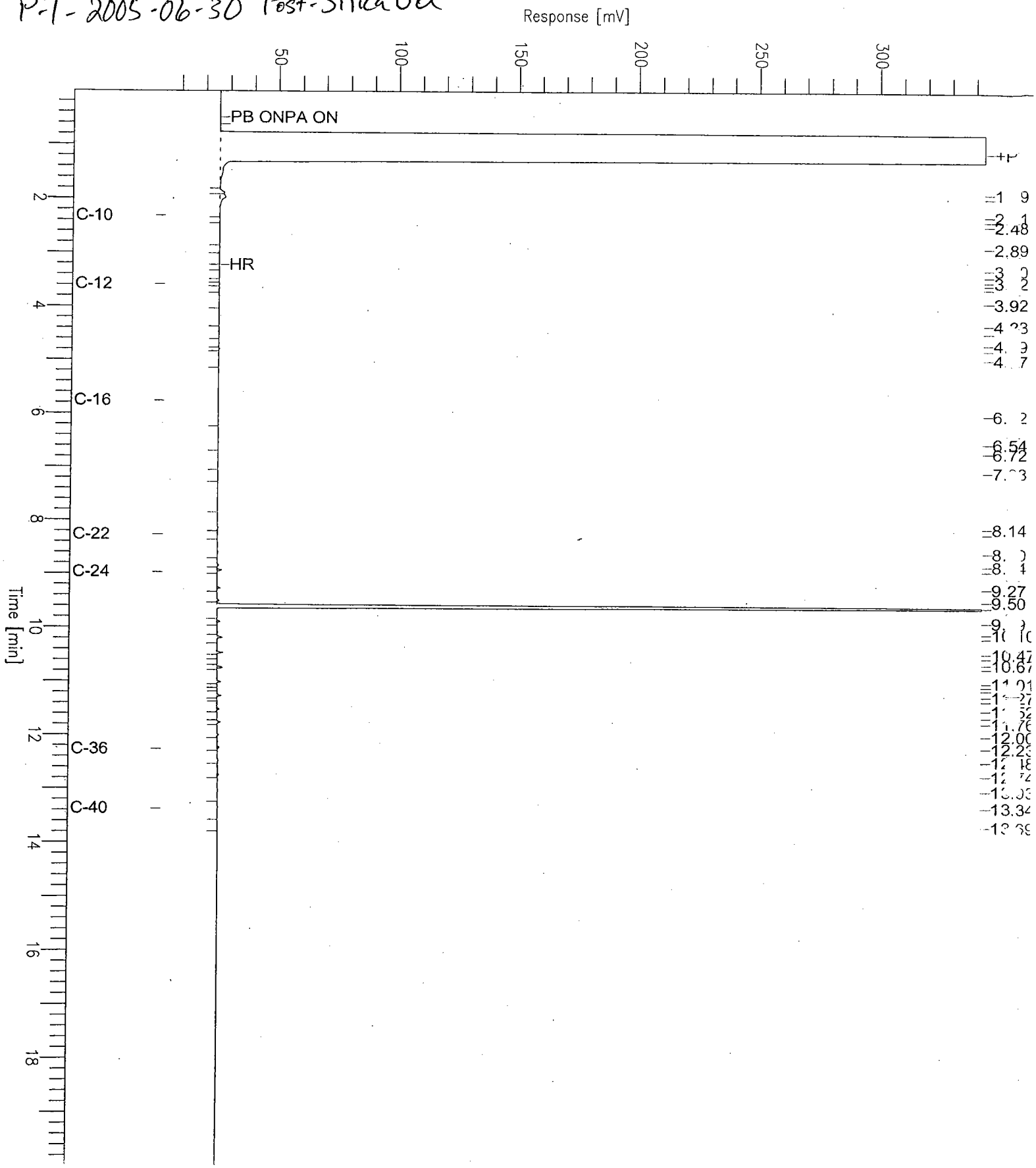


Chromatogram

Sample Name : 180368-005sg,103509
FileName : G:\GC15\CHB\186B012.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 3 mV

Sample #: 103509
Date : 7/6/05 09:05 AM
Time of Injection: 7/5/05 09:27 PM
Low Point : 3.11 mV High Point : 343.52 mV
Plot Scale: 340.4 mV

P-1-2005-06-30 Post-Silica Gel

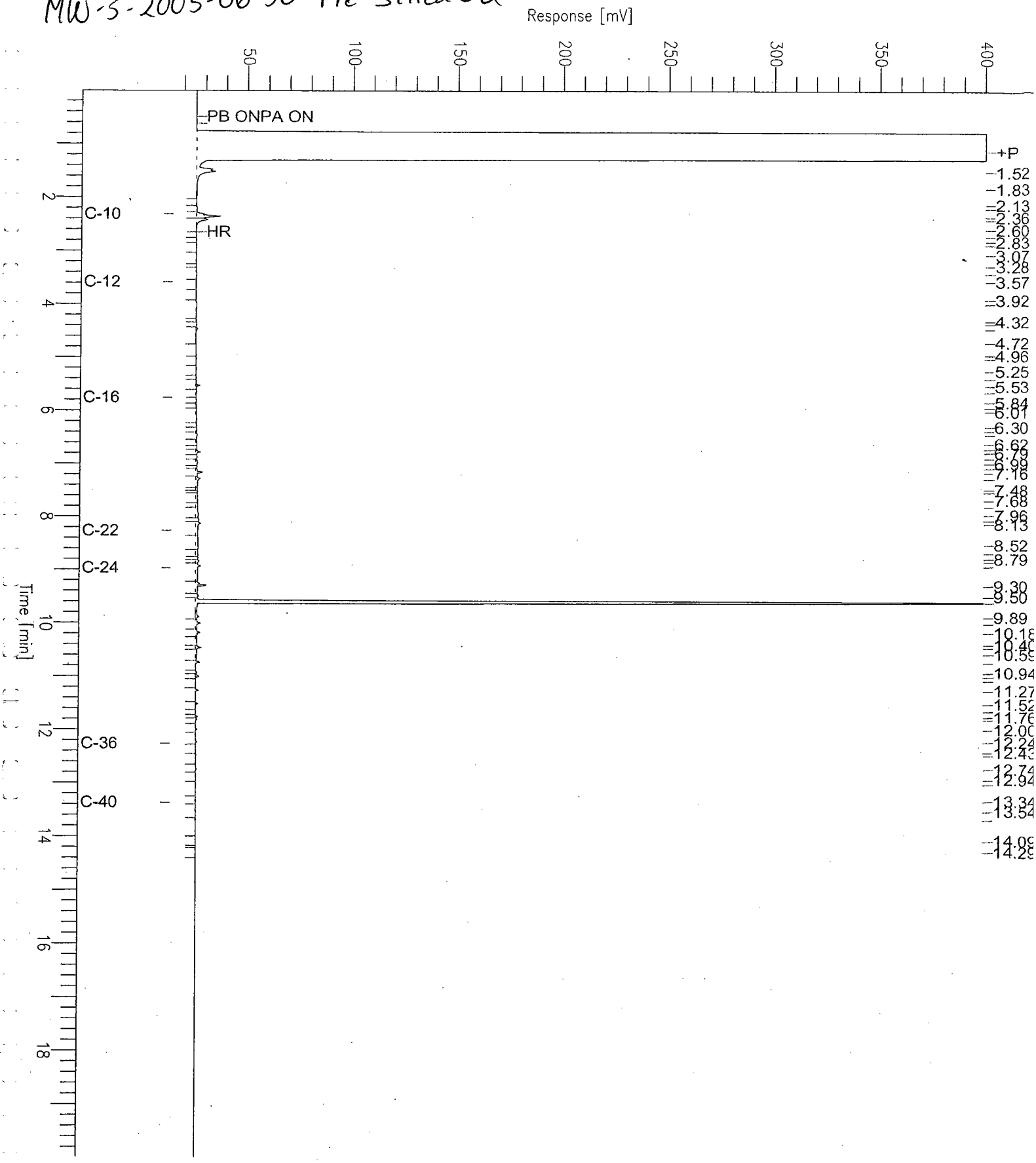


Chromatogram

Sample Name : 180368-006,103509
FileName : G:\GC15\CHB\185B012.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 15 mV

Sample #: 103509 Page 1 of 1
Date : 7/5/05 07:52 AM
Time of Injection: 7/4/05 02:23 PM
Low Point : 14.55 mV High Point : 400.18 mV
Plot Scale: 385.6 mV

MW-3-2005-06-30 Pre-Silica Gel

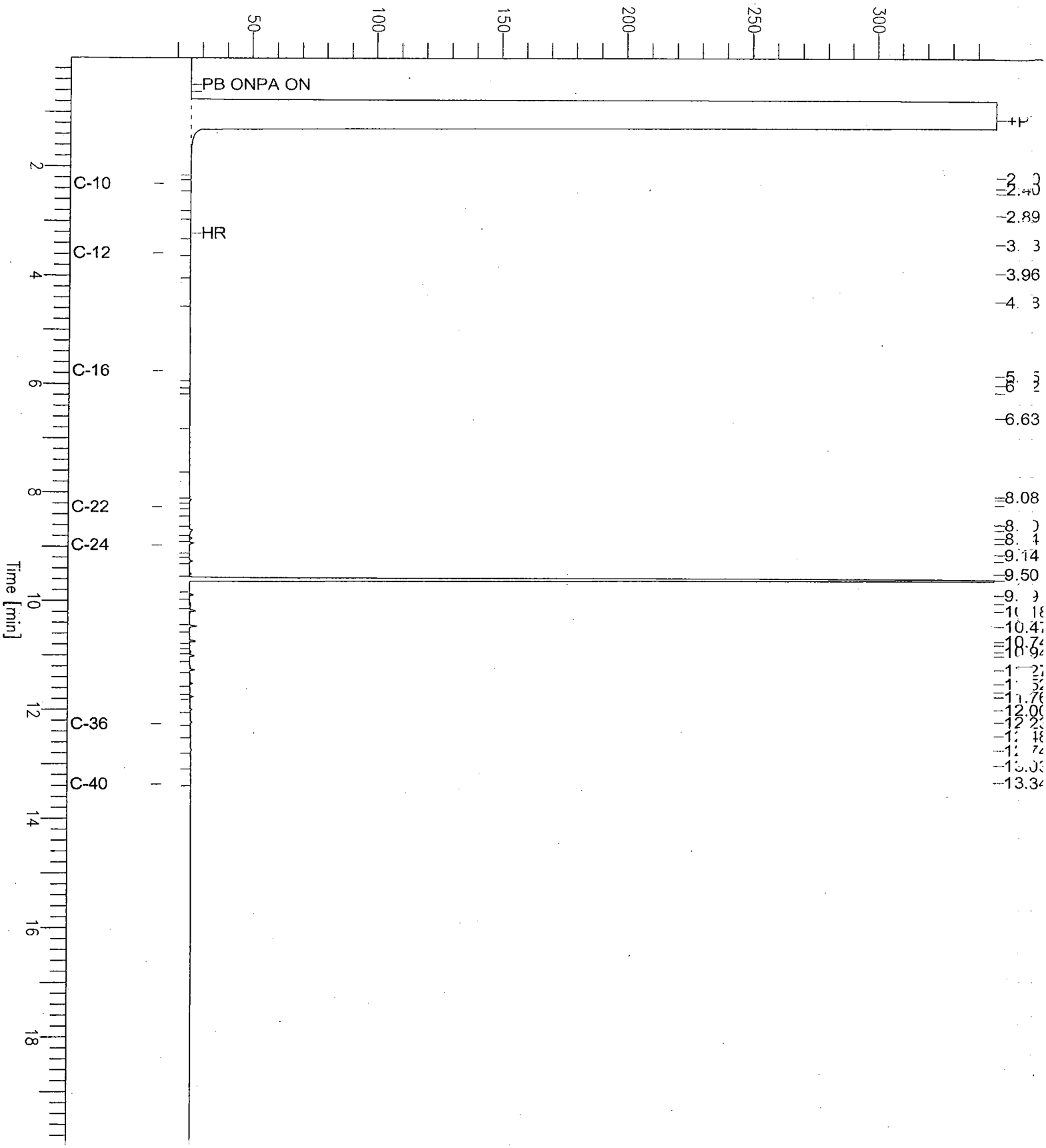


Chromatogram

Sample Name : 180368-006sg,103509
FileName : G:\GC15\CHB\186B013.RAW
Method : BTEH180S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 14 mV

Sample #: 103509 Page 1 of 1
Date : 7/6/05 09:20 AM
Time of Injection: 7/5/05 09:56 PM
Low Point : 14.47 mV High Point : 347.17 mV
Plot Scale: 332.7 mV

MW-3-2005-06-30 Post-Silica Gel



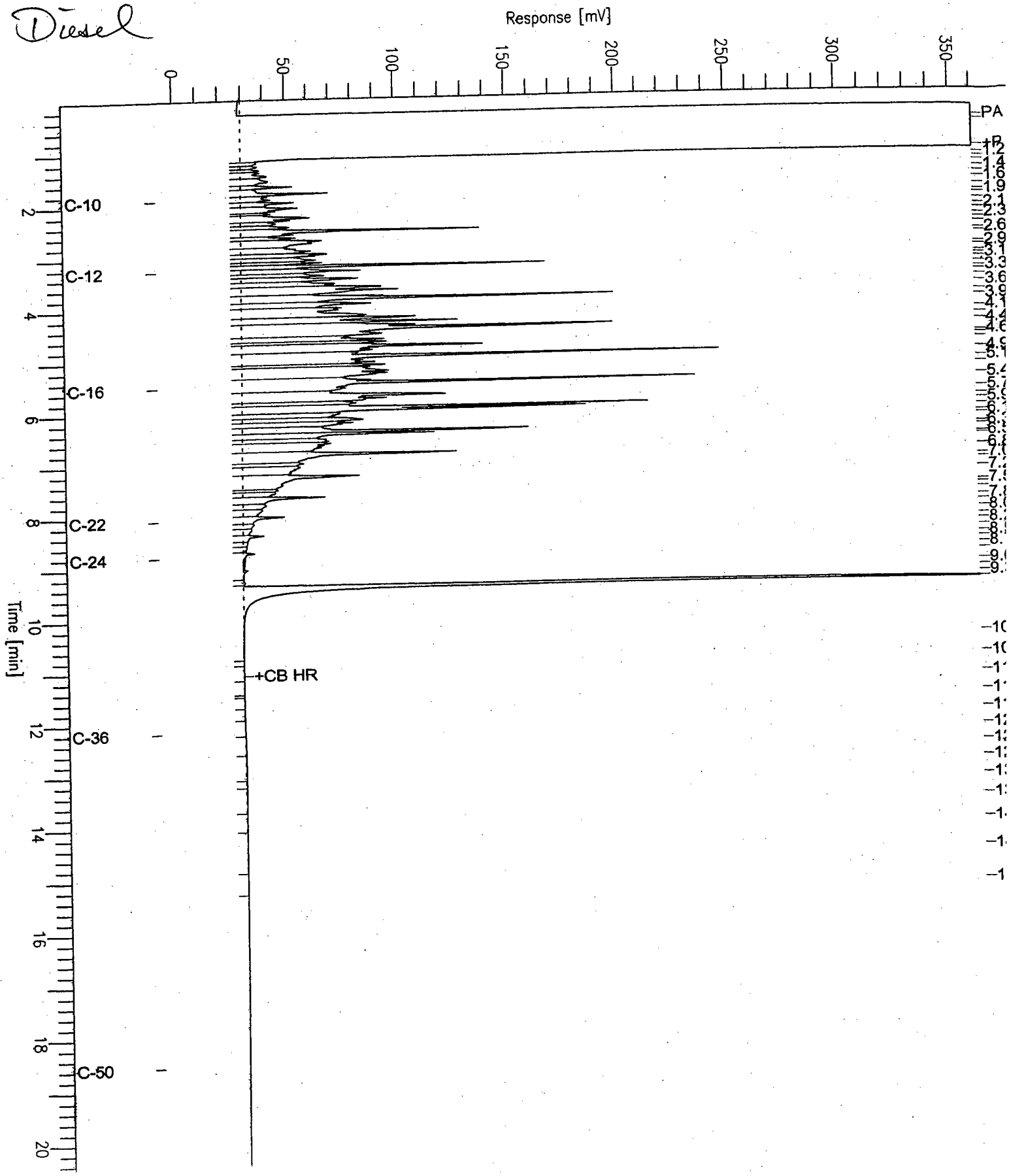
Chromatogram

Sample Name : ccv,S778,dsl
FileName : G:\GC11\CHA\183A003.RAW
Method : ATEH181S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 20.45 min
Plot Offset: -8 mV

Sample #: 500mg/L
Date : 7/2/05 06:43 PM
Time of Injection: 7/2/05 03:17 PM
Low Point : -7.55 mV
Plot Scale: 368.2 mV

Diesel



Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	103509
Units:	ug/L	Prepared:	07/01/05
Diln Fac:	1.000		

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC299657

Analyte	Spiked	Result	%REC	Limits	Analyzed
Diesel C10-C24	2,500	2,011	80	50-133	07/06/05
Diesel C10-C24 (SGCU)	2,500	1,812	72	50-133	07/03/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	99	55-143	07/06/05
Hexacosane (SGCU)	81	55-143	07/03/05

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC299658

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Diesel C10-C24	2,500	2,840	114	50-133	34	40	07/05/05
Diesel C10-C24 (SGCU)	2,500	2,633	105	50-133	37	40	07/03/05

Surrogate	%REC	Limits	Analyzed
Hexacosane	121	55-143	07/05/05
Hexacosane (SGCU)	115	55-143	07/03/05

RPD= Relative Percent Difference
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-2-2005-06-30	Batch#:	103492
Lab ID:	180368-001	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	2.7	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	24	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	37	0.5

ND= Not Detected
RL= Reporting Limit

5.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-2-2005-06-30	Batch#:	103492
Lab ID:	180368-001	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-124

ND= Not Detected
RL= Reporting Limit

5.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-3-2005-06-30	Batch#:	103492
Lab ID:	180368-002	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	1.0	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	9.4	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	17	0.5

D= Not Detected
L= Reporting Limit

6.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-3-2005-06-30	Batch#:	103492
Lab ID:	180368-002	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

6.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-7-2005-06-30	Batch#:	103492
Lab ID:	180368-003	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	0.6	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	5.1	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	6.6	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	15	0.5

D= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-7-2005-06-30	Batch#:	103492
Lab ID:	180368-003	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-124

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-5-2005-06-30	Batch#:	103492
Lab ID:	180368-004	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.8	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	1.1	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	1.4	0.5

D= Not Detected
L= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TW-5-2005-06-30	Batch#:	103492
Lab ID:	180368-004	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	107	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	105	80-124

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	P-1-2005-06-30	Batch#:	103492
Lab ID:	180368-005	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	1.3	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	4.2	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	17	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	18	0.5

ND= Not Detected
RL= Reporting Limit

9.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	P-1-2005-06-30	Batch#:	103492
Lab ID:	180368-005	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	98	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

9.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-3-2005-06-30	Batch#:	103492
Lab ID:	180368-006	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	2.2	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	12	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	19	0.5

D= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-3-2005-06-30	Batch#:	103492
Lab ID:	180368-006	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	107	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-124

ND= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC299585	Batch#:	103492
Matrix:	Water	Analyzed:	07/01/05
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

11.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC299585	Batch#:	103492
Matrix:	Water	Analyzed:	07/01/05
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	0.9	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	105	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-124

ND= Not Detected
RL= Reporting Limit

11.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	103492
Units:	ug/L	Analyzed:	07/01/05
Diln Fac:	1.000		

Type: BS Lab ID: QC299583

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	29.57	118	75-121
Benzene	25.00	24.65	99	80-120
Trichloroethene	25.00	26.41	106	78-120
Toluene	25.00	25.58	102	80-120
Chlorobenzene	25.00	25.40	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	103	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-124

Type: BSD Lab ID: QC299584

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	28.53	114	75-121	4	20
Benzene	25.00	23.70	95	80-120	4	20
Trichloroethene	25.00	25.37	101	78-120	4	20
Toluene	25.00	24.44	98	80-120	5	20
Chlorobenzene	25.00	25.08	100	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	102	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-124

RPD= Relative Percent Difference

12.0

Curtis & Tompkins, Ltd.

Manganese

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Manganese	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	ug/L	Prepared:	07/05/05
Diln Fac:	1.000	Analyzed:	07/05/05
Batch#:	103540		

Field ID	Type	Lab ID	Result	RL
TW-2-2005-06-30	SAMPLE	180368-001	3,200	10
TW-3-2005-06-30	SAMPLE	180368-002	680	10
TW-7-2005-06-30	SAMPLE	180368-003	1,300	10
TW-5-2005-06-30	SAMPLE	180368-004	1,600	10
	BLANK	QC299769	ND	10

ND= Not Detected
RL= Reporting Limit

21.0

Curtis & Tompkins, Ltd.

Batch QC Report

Manganese

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Manganese	Batch#:	103540
Field ID:	ZZZZZZZZZZ	Sampled:	07/01/05
MSS Lab ID:	180377-001	Received:	07/01/05
Matrix:	Water	Prepared:	07/05/05
Units:	ug/L	Analyzed:	07/05/05
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC299770		50.00	49.76	100	80-120		
BSD	QC299771		50.00	49.80	100	80-120	0	20
MS	QC299772	518.3	50.00	589.4	142 NM	71-124		
MSD	QC299773		50.00	582.4	128 NM	71-124	1	20

NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

22.0

Curtis & Tompkins, Ltd.

Alkalinity

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 310.1
Matrix:	Water	Sampled:	06/30/05
Units:	mg/L	Received:	07/01/05
Diln Fac:	1.000	Analyzed:	07/06/05
Batch#:	103597		

Field ID: TW-2-2005-06-30 Lab ID: 180368-001
Type: SAMPLE

Analyte	Result	RL
Alkalinity, Bicarbonate	330	1.0
Alkalinity, Carbonate	ND	1.0
Alkalinity, Hydroxide	ND	1.0
Alkalinity, Total as CaCO3	330	1.0

Field ID: TW-3-2005-06-30 Lab ID: 180368-002
Type: SAMPLE

Analyte	Result	RL
Alkalinity, Bicarbonate	490	1.0
Alkalinity, Carbonate	ND	1.0
Alkalinity, Hydroxide	ND	1.0
Alkalinity, Total as CaCO3	490	1.0

Field ID: TW-7-2005-06-30 Lab ID: 180368-003
Type: SAMPLE

Analyte	Result	RL
Alkalinity, Bicarbonate	430	1.0
Alkalinity, Carbonate	ND	1.0
Alkalinity, Hydroxide	ND	1.0
Alkalinity, Total as CaCO3	430	1.0

Field ID: TW-5-2005-06-30 Lab ID: 180368-004
Type: SAMPLE

Analyte	Result	RL
Alkalinity, Bicarbonate	360	1.0
Alkalinity, Carbonate	ND	1.0
Alkalinity, Hydroxide	ND	1.0
Alkalinity, Total as CaCO3	360	1.0

Type: BLANK Lab ID: QC299967

Analyte	Result	RL
Alkalinity, Bicarbonate	ND	1.0
Alkalinity, Carbonate	ND	1.0
Alkalinity, Hydroxide	ND	1.0
Alkalinity, Total as CaCO3	ND	1.0

ND= Not Detected
RL= Reporting Limit

25.0

Curtis & Tompkins, Ltd.

Batch QC Report

Alkalinity

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 310.1
Analyte:	Alkalinity, Total as CaCO3	Units:	mg/L
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC299968	Batch#:	103597
Matrix:	Water	Analyzed:	07/06/05

Spiked	Result	%REC	Limits
200.0	184.3	92	90-110

26.0

Curtis & Tompkins, Ltd.

Batch QC Report

Nitrate Nitrogen

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Analyte:	Nitrogen, Nitrate	Batch#:	103511
Field ID:	ZZZZZZZZZZ	Sampled:	06/24/05
MSS Lab ID:	180236-004	Received:	06/24/05
Matrix:	Water	Analyzed:	07/01/05
Units:	mg/L		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac
BS	QC299681		1.000	1.061	106	80-120			1.000
BSD	QC299682		1.000	1.051	105	80-120	1	20	1.000
MS	QC299683	<3.724	1,000	955.6	96	80-120			2,000
MSD	QC299684		1,000	987.3	99	80-120	3	20	2,000

RPD= Relative Percent Difference

18.0

Curtis & Tompkins, Ltd.

Sulfate

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Analyte:	Sulfate	Sampled:	06/30/05
Matrix:	Water	Received:	07/01/05
Units:	mg/L	Analyzed:	07/01/05
Batch#:	103511		

Field ID	Type	Lab ID	Result	RL	Diln Fac
TW-2-2005-06-30	SAMPLE	180368-001	47	0.50	1.000
TW-3-2005-06-30	SAMPLE	180368-002	130	2.5	5.000
TW-7-2005-06-30	SAMPLE	180368-003	200	13	25.00
TW-5-2005-06-30	SAMPLE	180368-004	250	5.0	10.00
	BLANK	QC299680	ND	0.50	1.000

ND= Not Detected
RL= Reporting Limit

19.0

Curtis & Tompkins, Ltd.

Batch QC Report

Sulfate

Lab #:	180368	Location:	Point St. George Fisherie
Client:	Treadwell & Rollo	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Analyte:	Sulfate	Batch#:	103511
Field ID:	ZZZZZZZZZZ	Sampled:	06/24/05
MSS Lab ID:	180236-004	Received:	06/24/05
Matrix:	Water	Analyzed:	07/01/05
Units:	mg/L		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac
BS	QC299681		10.00	10.57	106	80-120			1.000
BSD	QC299682		10.00	10.21	102	80-120	3	20	1.000
MS	QC299683	1,068	10,000	10,790	97	80-120			2,000
MSD	QC299684		10,000	10,910	98	80-120	1	20	2,000

RPD= Relative Percent Difference

20.0