ENVIRONMENTAL ENGINEERING, INC
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December 6, 2005

Project: 2841

Mr. Jerry Wickham
Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Site Located at 5565 Tesla Road, Livermore, California

Dear Mr. Wickham:

SOMA's report entitled "Additional Site Investigation to Evaluate the Extent of Groundwater Contamination" for the subject site has been uploaded to the State's GeoTracker database for your review.

Thank you for your time in reviewing our report. Please do not hesitate to call me at (925) 734-6400, if you have any questions or comments.

Sincerely,

Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist

REGISTERED PROFESSIONAL ENGINEER
MANSOUR SEPEHR
No. C042928
Exp. 3-31-06
CIVIL
STATE OF CALIFORNIA

cc: Mr. Aris Krimetz w/report enclosure

ENVIRONMENTAL ENGINEERING, INC
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ADDITIONAL SITE INVESTIGATION TO EVALUATE THE EXTENT OF GROUNDWATER CONTAMINATION

Wente Winery Located at 5565 Tesla Road, Livermore, California

December 6, 2005

Project 2842

Prepared for

Mr. Aris Krimetz
5565 Tesla Road
Livermore, California 94550

Prepared by

SOMA Environmental Engineering, Inc.
6620 Owens Drive, Suite A
Pleasanton, California 94588

CERTIFICATION

This report has been prepared by SOMA Environmental Engineering, Inc. (SOMA) on behalf of Mr. Aris Krimetz, corporate engineer for Wente Winery, which is located at 5565 Tesla Road, Livermore, California. This report details SOMA's investigation to complete site characterization, as proposed in SOMA's *Phase I: Soil and Groundwater Investigation* (July 2005). Alameda County Environmental Health's (ACEH's) staff reviewed the above-referenced report and concurred that an additional investigation was warranted to complete site characterization in their letter regarding *Fuel Leak Case No. RO0002585* (September 2005).

Mansour Sepehr, Ph.D., P.E.
Principal Hydrogeologist

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION

On behalf of Mr. Aris Krimetz, SOMA Environmental Engineering, Inc. (SOMA) has prepared this report documenting the investigation activities for the property located at 5565 Tesla Road, Livermore, California, hereby referred to as "the Site". Pursuant to Alameda County Environmental Health's (ACEH's) approval of SOMA's recommendation for further investigation to complete site characterization, a cone penetration test (CPT) and ultra violet induced fluorescence (UVIF) study was implemented. As proposed in SOMA's *Phase I: Soil and Groundwater Investigation* (July 2005) and in accordance with ACEH's approval stated in their letter *Fuel Leak Case No. RO0002585* (September 2005), this report details SOMA's investigation to complete site characterization at the Site.

1.1 Site Background

The Site is located between South Vasco Road and Mines Road in Livermore, California (Figure 1) and operates as a winery. There are three aboveground fuel storage tanks, with a total capacity of 4,000 gallons, located on the premises.

In 1987, two fuel underground storage tanks (USTs) were removed from the Site. Without available records of the tank removal, there is no information regarding the condition of the tanks when removed or evidence of possible leaking.

In 1990, ACEH issued a notice of violation (NOV) for discharging waste sludge into an open ditch adjacent to a former steam-cleaning bay, which was located at the south end of the steel storage and welding shed. The NOV required sampling of the ditch area and around a stained drum, along with remediation of the contaminated areas. No available records reportedly exist documenting the implementation of the required tasks.

1.2 Previous Site Investigation Activities

In accordance with Comerica Bank guidelines, the Clayton Group (Clayton) performed an ASTM D standard Phase I investigation to identify recognized environmental concerns (RECs). The Phase I study revealed the existence of the former USTs, the former waste discharge area, and a number of agricultural storage areas. Documents indicate agricultural chemicals were previously stored in Building S and in a detached garage. Clayton concluded that the identified areas constituted RECs and recommended sampling of these areas for relevant constituents of concern.

In 2003, Clayton performed a subsurface investigation at the Site to implement the recommendations of the Phase I report. Soil samples were analyzed for pesticides, herbicides, petroleum hydrocarbons, volatile organic compounds (VOCs), and heavy metals. Groundwater samples collected from beneath the former USTs and near the former steam cleaning areas were analyzed for petroleum hydrocarbons, VOCs, pesticides, and herbicides. Clayton concluded that a fuel release in the former UST area impacted the groundwater at concentrations that significantly exceeded Risk Based Screening Levels (RBSLs). In the former steam-cleaning bay, located south/southwest of, and presumably upgradient from the former UST pit, no total petroleum hydrocarbon (TPH) or VOCs were detected in the soil. However, gasoline and motor oil-range petroleum hydrocarbons were detected in the groundwater at concentrations that were slightly above RBSLs.

Clayton recommended an additional site characterization to further characterize the Site. Wente Winery retained SOMA to review Clayton's report and provide an alternate workplan. Upon reviewing Clayton's report, SOMA proposed the installation of three groundwater monitoring wells to evaluate the groundwater contaminant plume and determine the groundwater flow direction. ACEH reviewed SOMA's workplan and requested a revised workplan that would present

a vicinity well survey, a regional hydrogeologic study, and an additional proposed site characterization.

Based on the ACEH's request, SOMA prepared a workplan that included a two-phased approach for a thorough subsurface site investigation. The first phase of the investigation included 1) sampling on-site and two off-site water supply wells; 2) preparation of a health and safety plan, permit acquisition, and utility clearance; 3) installation and sampling of three piezometers; 4) developing and surveying piezometers; 5) laboratory analysis; and 6) preliminary evaluation of the groundwater flow and chemical contaminant plume. In addition, as part of the phase, SOMA drilled two confirmatory soil borings in close proximity of B-1 (B-9) and B-4 (B-10) and collected soil and groundwater samples to evaluate the current status of the soil and groundwater contamination beneath the Site. The results of the first phase of the investigation are presented in SOMA's *Phase I: Soil and Groundwater Investigation* report dated July 25, 2005.

The second phase of the investigation included 1) site characterization using CPT; 2) groundwater sampling; and 3) laboratory analysis. The results of the second phase of the investigation are presented in the following text.

2.0 SCOPE OF WORK

The results of the previous site investigation revealed the presence of fuel hydrocarbons in the soil and groundwater in the area of the former USTs and metals in the groundwater near the former steam-cleaning bay. Because the bulk of field activities conducted in the first phase of the investigation did not completely characterize the extent of contamination in the soil and groundwater, an additional investigation was warranted. The following describes the tasks performed to accomplish the scope of the investigation:

Task 1: **Permit Acquisition, Health and Safety Plan Preparation, and Subsurface Utility Clearance**

Task 2: **Field Activities – Hollow Stem Auger (HSA) Calibration, Cone Penetration Test (CPT) and Ultra Violet Induced Fluorescence (UVIF) Study, and Groundwater Sampling**

Task 3: **Laboratory Analysis**

Task 4: **Evaluation of Site Hydrogeology**

Task 5: **Summary of Groundwater Analytical Results**

2.1 Permit Acquisition, Health and Safety Plan Preparation, and Subsurface Utility Clearance

Prior to initiating field activities, SOMA obtained the necessary drilling permit from the Zone 7 Water Agency of Alameda County (permit no. 25172). The permit is attached as Appendix A.

Before conducting the field activities, a site-specific health and safety plan (HASP) was prepared by SOMA. The HASP was designed to address safety provisions during field activities and protect the field crew from physical and chemical hazards resulting from drilling and sampling. The HASP established personnel responsibilities, general safe work practices, field procedures, personal protective equipment standards, decontamination procedures, and emergency action plans.

SOMA also contacted Underground Service Alert (USA) to clear the drilling areas of underground utilities. Following USA clearance, SOMA retained a private utility locator to survey the proposed drilling areas and locate any additional subsurface conduits.

2.2 Field Activities

In accordance to ACEH's approval of SOMA's recommendation for further investigation to complete site characterization, a Cone Penetration Test (CPT) and Ultra Violet Induced Fluorescence (UVIF) study was implemented. As shown in Figure 2, six CPT boreholes were drilled at the Site. In addition, six groundwater-sampling boreholes were drilled adjacent to the CPT boreholes in order to collect depth-discrete groundwater samples from each water-bearing zone and/or each zone where the UVIF indicated contamination.

On October 26 and 27, 2005, under SOMA's oversight, Gregg Drilling and Testing, Inc. (Gregg) conducted the CPT drilling. Using a 25-ton truck mounted CPT rig, Gregg advanced the CPT boreholes, CPT-1 through CPT-6, to approximately 60 feet below ground surface (bgs). After advancing the boreholes, SOMA's field geologist reviewed the CPT borehole logs and determined the potential water-bearing zones in preparation for collecting depth-discrete groundwater samples.

To verify the CPT produced reliable logs, a continuously sampled hollow stem auger (HSA) borehole was drilled adjacent to one of the CPT boreholes to calibrate the CPT lithology. On October 24, 2005, SOMA oversaw the drilling of HSA calibration borehole HSA/CPT-5 adjacent to CPT borehole CPT-5. The calibration borehole was drilled and continuously sampled to a total depth of 62 feet bgs. By comparing the HSA borehole log with the log of the CPT borehole, SOMA's field geologist was enabled to evaluate the accuracy of the CPT software. The results are discussed in Section 3.0.

The following describes the field procedures for the HSA calibration, CPT and UVIF study, and depth-discrete groundwater sampling.

2.2.1 HSA Calibration Procedure

Gregg used a Mobile B-53 truck-mounted hollow stem auger rig to drill the calibration borehole. The borehole was continuously core-sampled with an unlined split-spoon sampler to expose the entire borehole stratigraphy. SOMA's field geologist notated the observed soil characteristics encountered and documented them on a geologic log, included as Appendix B. In addition, the volatile hydrocarbon content of the soil cores was characterized. Fragments of the soil core samples were placed into a freezer-grade re-sealable plastic bag and heated to measure the volatile-vapor content using a photo-ionization detector (PID). The PID measurements are presented on the geologic log.

After completing the sample collection, the drilling crew tremie grouted the borehole to surface grade using Type I/II cement grout.

2.2.2 CPT and UVIF Procedure

To evaluate the subsurface lithology, stratigraphy and presence of different water-bearing zones a cone penetrometer test was conducted at the Site. CPT is a process whereby soil characteristics are determined when a cone penetrometer is driven into the subsurface. CPT was carried out using an integrated electronic cone system that involved hydraulically pushing a sounding probe into the ground at a constant rate. The soundings were conducted using a 20-ton capacity cone with a tip area of 15 cm^2 and a friction sleeve area of 225 cm^2.

The cone took measurements of cone bearing (q_c), sleeve friction (f_s) and dynamic pore water pressure (u_2) at 5-cm intervals during penetration to provide a nearly continuous hydrogeologic log. In addition, the cone also contained a porous filter element located directly behind the cone tip (u_2). The filter element is used to obtain dynamic pore pressure as the cone is advanced.

By qualitatively integrating these parameters, CPT provided a rapid means of determining relative soil lithology and hydrogeologic information. The CPT data reduction and interpretation was performed in real time, facilitating on-site decision making by SOMA's field geologist. The hydrogeologic information gathered was used to identify different water-bearing zones, as well as the confining layers beneath the Site.

Concurrent with the CPT study, an ultra violet induced fluorescence study using a UVIF module was conducted by Gregg. The UVIF module used high ultra violet light directed through a sapphire window into the soil and groundwater being penetrated. The ultra violet light caused fluorescence of contaminants contained within the soil and groundwater. The intensity of the fluorescence light was then detected downhole in the UVIF module.

As the UVIF module collected information on the contaminant characteristics, the CPT characterized the sediment types (i.e. clay, silt, silty clay, etc.) in the subsurface. Therefore, at each CPT and UVIF location an integrated vertical profile of contaminant location, relative contaminant concentration, and soil stratigraphy was generated in real time.

When the CPT soundings and UVIF testing were complete, the test holes were grouted using a Gregg support rig. The grouting procedure consisted of pushing a hollow CPT rod with a "knock out" plug to the termination depth of the test hole. Grout was then pumped under pressure as the tremie pipe was pulled from the hole. Disruption or further contamination to the Site was therefore minimized.

2.2.3 Depth-Discrete Groundwater Sampling

Groundwater sampling was conducted using a Hydropunch® type groundwater sampler. The groundwater sampler had a retrievable stainless steel screen with

a steel drop off tip. This allowed for the sample to be taken at multiple depth intervals within the same CPT sounding location. The groundwater sampler operated by advancing 1¾-inch hollow push rods with the filter tip in a closed configuration to the base of the desired sampling interval. Once at the desired sample depth, the push rods were retracted, exposing the encased filter screen and allowing groundwater to infiltrate hydrostatically from the formation into the inlet screen.

A small diameter bailer (approximately 1-inch) was lowered through the push rods into the screen section for sample collection. The samples were decanted into 40-milliliter (mL) VOA vials, pre-preserved with hydrochloric acid, and 500-mL and 1-Liter containers. The samples were then immediately stored in a cooler with ice, pending delivery to a California state-certified analytical laboratory.

Upon completing the sample collection, the push rods and sampler, with the exception of the PVC screen and steel drop off tip, were retrieved to the ground surface, decontaminated and prepared for the next sampling event.

2.3 Laboratory Analysis

Groundwater samples were submitted to Curtis & Tompkins, Ltd., Analytical Laboratories (CT). Groundwater samples collected from CPT-1, -2, -4, and -6 were analyzed for total petroleum hydrocarbons (TPH) as gasoline, TPH as diesel, TPH as motor oil, BTEX, 1,2-dichloroethane, and ethylene dibromide. Groundwater samples collected from CPT-3 and -5 were analyzed for TPH as gasoline, TPH as diesel, TPH as motor oil, volatile organic (full list), and metals. The groundwater analytical results are discussed in Section 4.0.

3.0 EVALUATION OF SITE HYDROGEOLOGY

The results of the recent CPT study were used to construct two geologic cross-sections. Figure 3 shows the locations of geologic cross-section lines A–A' and B–B'. Figures 4 and 5 presents geologic cross-sections A–A' and B–B'. As shown in geologic cross sections A–A' and B–B', an unconsolidated sequence of permeable and relatively impermeable sediments underlie the site investigation area. The permeable sediments consist of three water-bearing zones, designated as the Upper, Intermediate, and Lower water-bearing zones (WBZs).

HSA-calibration of the CPT log (CPT-5) indicates that the CPT accurately detected vertical intervals of potential water-bearing zones and the upper and lower boundaries of the intervening confining zones. SOMA noted that the CPT interpreted silty clay with some sand as "clayey silt", and sand and gravel as "silty sand/sand", and silty clay as "silt". The CPT appears to skew the actual texture toward the fine-grained end of the textural range. Given the inherent limitations of soil-behavior based lithologic characterization, the observed textural discrepancies are considered acceptable.

As shown on the HSA calibration and CPT borehole logs, included as Appendix B and C, respectively, the water-bearing zones consist mostly of silty sand/sand and a sand/gravel mixture. The intervening confining zones consist mostly of silty clay, clayey silt and silt.

Based on the geologic cross-section A–A', the Upper WBZ appears to be continuous and consists mostly of silty sand/sand and a sand, gravel mixture. As shown in the cross-section, the Upper WBZ extends from approximately 10 to 30 feet bgs. The Intermediate WBZ appears to be discontinuous and consists mostly of silty sand/sand and sandy silt. This water-bearing zone extends from approximately 28 to 43 feet bgs. The Lower WBZ appears to be continuous and

consists mostly of silty sand/sand and gravelly sand. This water-bearing zone extends from approximately 52 to 70 feet bgs. Please note that geologic cross-sections A–A' is oriented north to south.

Based on geologic cross section B–B', the Upper, Intermediate, and Lower water-bearing zones appear to be continuous and consist of silty sand/sand and sand. As shown in the cross-section, the Upper WBZ extends from approximately 18 to 22 feet bgs, the Intermediate WBZ extends from approximately 31 to 41 feet bgs, and the Lower WBZ extends from approximately 47 to 60 feet bgs. Please note that geologic cross-sections B–B' is oriented west to east.

4.0 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

This section describes the groundwater analytical results of the groundwater samples collected from the Upper, Intermediate, and Lower water-bearing zones. Groundwater samples collected from CPT-1, -2, -4, and -6 were analyzed for TPH as gasoline, TPH as diesel, TPH as motor oil, BTEX, 1,2-dichloroethane, and ethylene dibromide. Groundwater samples collected from CPT-3 and –5 were analyzed for TPH as gasoline, TPH as diesel, TPH as motor oil, volatile organic (full list), and metals. The laboratory analytical report is included as Appendix D.

4.1 Upper Water-Bearing Zone

As shown in Table 1, TPH as gasoline was detected at 79 μg/L in CPT-1 (sampling interval 17 to 22 feet bgs), at 56 μg/L in CPT-2 (sampling interval 13 to 18 feet bgs), at 260 μg/L in CPT-4 (sampling interval 15 to 20 feet bgs), and at 56 μg/L in CPT-6 (sampling interval 15 to 20 feet bgs). Benzene was detected at 2.4 μg/L in CPT-1 (sampling interval 17 to 22 feet bgs). Toluene was detected at 1.6 μg/L in CPT-1 (sampling interval 17 to 22 feet bgs) and at 0.8 μg/L in CPT-4

(sampling interval 15 to 20 feet bgs). Ethylbenzene was detected at 5.7 μg/L in CPT-1 (sampling interval 17 to 22 feet bgs), 2.3 μg/L in CPT-2 (sampling interval 13 to 18 feet bgs), and at 19 μg/L in CPT-4 (sampling interval 15 to 20 feet bgs). Total xylenes were detected at 26 μg/L in CPT-1 (sampling interval 17 to 22 feet bgs), 12.7 μg/L in CPT-2 (sampling interval 13 to 18 feet bgs), and at 64 μg/L in CPT-4 (sampling interval 15 to 20 feet bgs). TPH as diesel and TPH as motor oil were not detected at or above the reporting laboratory limit in any of the groundwater samples submitted. Lead was not detected at or above the reporting laboratory limit in the groundwater samples submitted from CPT-3 (sampling interval 11 to 16 feet bgs) and CPT-5 (sampling interval 19 to 24 feet bgs).

4.2 Intermediate Water-Bearing Zone

As shown in Table 1, TPH as gasoline was not detected at or above the reporting laboratory limit in any of the groundwater samples submitted. Benzene was detected at 0.5 μg/L in CPT-1 (sampling interval 35 to 40 feet bgs). Toluene was detected at 0.8 μg/L in CPT-1 (sampling interval 35 to 40 feet bgs). Ethylbenzene was detected at 1.3 μg/L in CPT-1 (sampling interval 35 to 40 feet bgs) and at 1.7 μg/L in CPT-4 (sampling interval 30 to 35 feet bgs). Total xylenes were detected at 3.5 μg/L in CPT-1 (sampling interval 35 to 40 feet bgs), 0.6 μg/L in CPT-2 (sampling interval 27 to 32 feet bgs), and at 7.5 μg/L in CPT-4 (sampling interval 30 to 35 feet bgs). TPH as diesel was detected at 56 μg/L in CPT-2 (sampling interval 27 to 32 feet bgs) and at 74 μg/L in CPT-6 (sampling interval 31 to 36 feet bgs). TPH as motor oil was not detected at or above the reporting laboratory limit in any of the groundwater samples submitted. In addition, lead was not detected at or above the reporting laboratory limit in the groundwater sample submitted from CPT-3 (sampling interval 39 to 44 feet bgs). Please note an Intermediate WBZ was not encountered in CPT-5.

4.3 Lower Water-Bearing Zone

As shown in Table 1, TPH as gasoline, benzene, toluene, and ethylbenzene were not detected at or above the reporting laboratory limit in any of the groundwater samples submitted. Total xylenes were detected at 0.5 μg/L in CPT-2 (sampling interval 69 to 74 feet bgs) and at 1.1 μg/L in CPT-4 (sampling interval 52 to 57 feet bgs). TPH as diesel was detected at 71 μg/L in CPT-2 (sampling interval 69 to 74 feet bgs) and at 59 μg/L in CPT-5 (sampling interval 56 to 61 feet bgs). TPH as motor oil was not detected at or above the reporting laboratory limit in any of the groundwater samples submitted. In addition, lead was not detected at or above the reporting laboratory limit in the groundwater sample submitted from CPT-3 (sampling interval 58 to 63 feet bgs) and CPT-5 (sampling interval 56 to 61 feet bgs).

5.0 CONCLUSIONS AND RECOMMENDATIONS

In light of the current and previous data gathered at the Site, with regard to the following are our conclusions and recommendations.

The results of the current site investigation, using CPT, revealed the presence of three water-bearing zones beneath the Site, which are separated by two confining layers. The three water-bearing zones from the top to the bottom are referred to as “Upper”, “Intermediate”, and “Lower” water-bearing zones.

The results of the UVIF study did not indicate the presence of polyaromatic hydrocarbons in any of the targeted water-bearing zones.

The results of the groundwater sampling and analysis indicated that the extent of the groundwater contamination has been fully characterized. A negligible amount of petroleum hydrocarbons were only detected in the Upper WBZ.

By comparing the site related chemical concentration data with that of Tier I screening values set forth by the California Regional Water Quality Control Board, San Francisco Bay Region, it appears that the current concentration of petroleum hydrocarbons in groundwater are below the Tier I screening values for drinking water purposes. Therefore, the site related chemical concentrations do not pose an unreasonable human health risk to current and future site workers or residents within the Site's vicinity.

As such, based on the California Regional Water Quality Control Board's Interim Guidance Document, dated December 8, 1995, the Site fits into a "Low-Risk" Petroleum Release Site Category for the following reasons:

1. The source of petroleum hydrocarbons has been completely removed. As the results of the groundwater monitoring reports indicate, no free petroleum hydrocarbons exist beneath the Site.

2. Petroleum hydrocarbons and fuel additives have not significantly impacted the beneficial use of the groundwater.

3. Based on the results of our evaluation, under the current conditions, the Site does not pose a significant health risk to the on-site workers or off-site residents via inhalation of vapors in indoor air.

Based on the Alameda County Environmental Health Services' directive, SOMA will conduct four groundwater monitoring events by sampling the existing groundwater monitoring wells. The results of the groundwater monitoring events will reveal that if the existing groundwater chemical plume is a shrinking or an expanding plume. If at the end of the fourth groundwater monitoring event, it appears that the groundwater chemical plume is a shrinking plume, then SOMA will recommend for the adoption of a "no further action" status for the Site.

TABLES

TABLE 1. Groundwater Analytical Results

5565 Tesla Road, Livermore, California

Sample Location	Sampling Interval (feet bgs)	Sampling Date	TPH as gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as diesel (µg/L)	TPH as motor oil (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Lead (µg/L)	Mercury (µg/L)
CPT-1	**17 - 22**	10/27/2005	**79**	**2.4**	**1.6**	**5.7**	**26**	<50	<300	NS	NS	NS	NS
CPT-1	**35 - 40**	10/27/2005	<50	**0.5**	**0.8**	**1.3**	**3.5**	<50	<300	NS	NS	NS	NS
CPT-1	**49 - 54**	10/27/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	NS	NS	NS	NS
CPT-2	**13 - 18**	10/27/2005	**56**	<0.5	<0.5	**2.3**	**12.7**	<50	<300	NS	NS	NS	NS
CPT-2	**27 - 32**	10/27/2005	<50	<0.5	<0.5	<0.5	**0.6**	**56** [Y]	<300	NS	NS	NS	NS
CPT-2	**69 - 74**	10/27/2005	<50	<0.5	<0.5	<0.5	**0.5**	**71** [Y]	<300	NS	NS	NS	NS
CPT-3	**11 - 16**	10/26/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	<5.0	**210**	<3.0	**0.27**
CPT-3	**39 - 44**	10/26/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	<5.0	**160**	<3.0	**0.25**
CPT-3	**58 - 63**	10/26/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	<5.0	**55**	<3.0	<0.20
CPT-4	**15 - 20**	10/27/2005	**260**	<0.5	**0.8**	**19**	**64**	<50	<300	NS	NS	NS	NS
CPT-4	**30 - 35**	10/27/2005	<50	<0.5	<0.5	**1.7**	**7.5**	<50	<300	NS	NS	NS	NS
CPT-4	**52 - 57**	10/27/2005	<50	<0.5	<0.5	<0.5	**1.1**	<50	<300	NS	NS	NS	NS
CPT-5	**19 - 24**	10/26/2005	<50	<1.0	<1.0	<1.0	<1.0	<50	<300	**43**	**11**	<3.0	**0.61**
CPT-5	**56 - 61**	10/26/2005	<50	<0.5	<0.5	<0.5	<0.5	**59** [Y]	<300	<5.0	**210**	<3.0	<0.20
CPT-6	**15 - 20**	10/27/2005	**56**	<0.5	<0.5	<0.5	<0.5	<50	<300	NS	NS	NS	NS
CPT-6	**31 - 36**	10/27/2005	<50	<0.5	<0.5	<0.5	<0.5	**74**	<300	NS	NS	NS	NS
CPT-6	**51 - 56**	10/27/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	NS	NS	NS	NS
Drinking water standards as set forth by the RWQCB			**100**	**1**	**40**	**30**	**20**	**100**	**100**	**36**	**1000**	**3**	**0.012**

Notes:

bgs= below ground surface

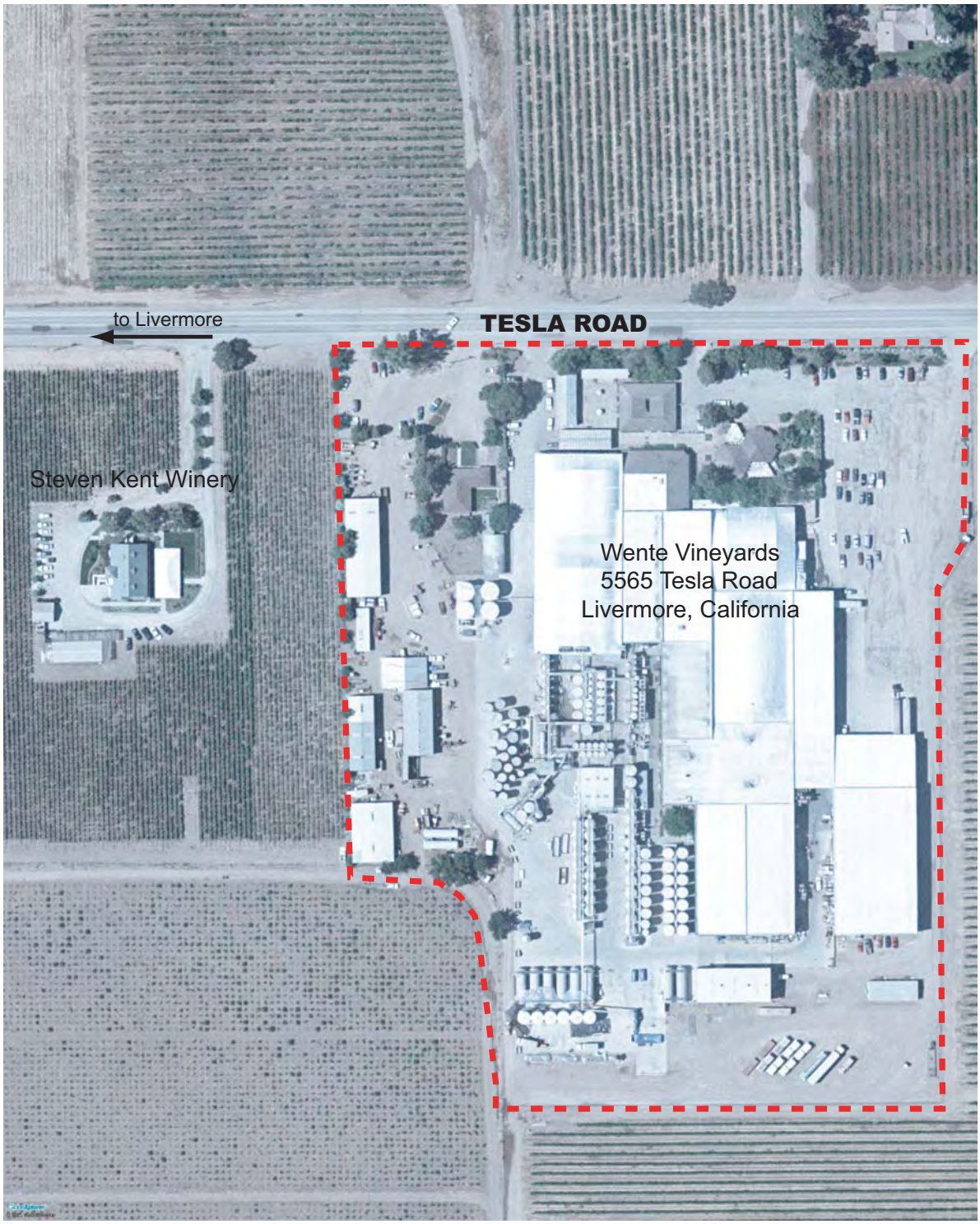
µg/L= micrograms per Liter

<= Results not detected at or above the reporting laboratory reporting limit indicated

Y= Sample exhibits chromatographic pattern which does not resemble standard

NS= Not Sampled

FIGURES



N

approximate scale in feet

0 50 100

Figure 1: Site vicinity map.

SOMA
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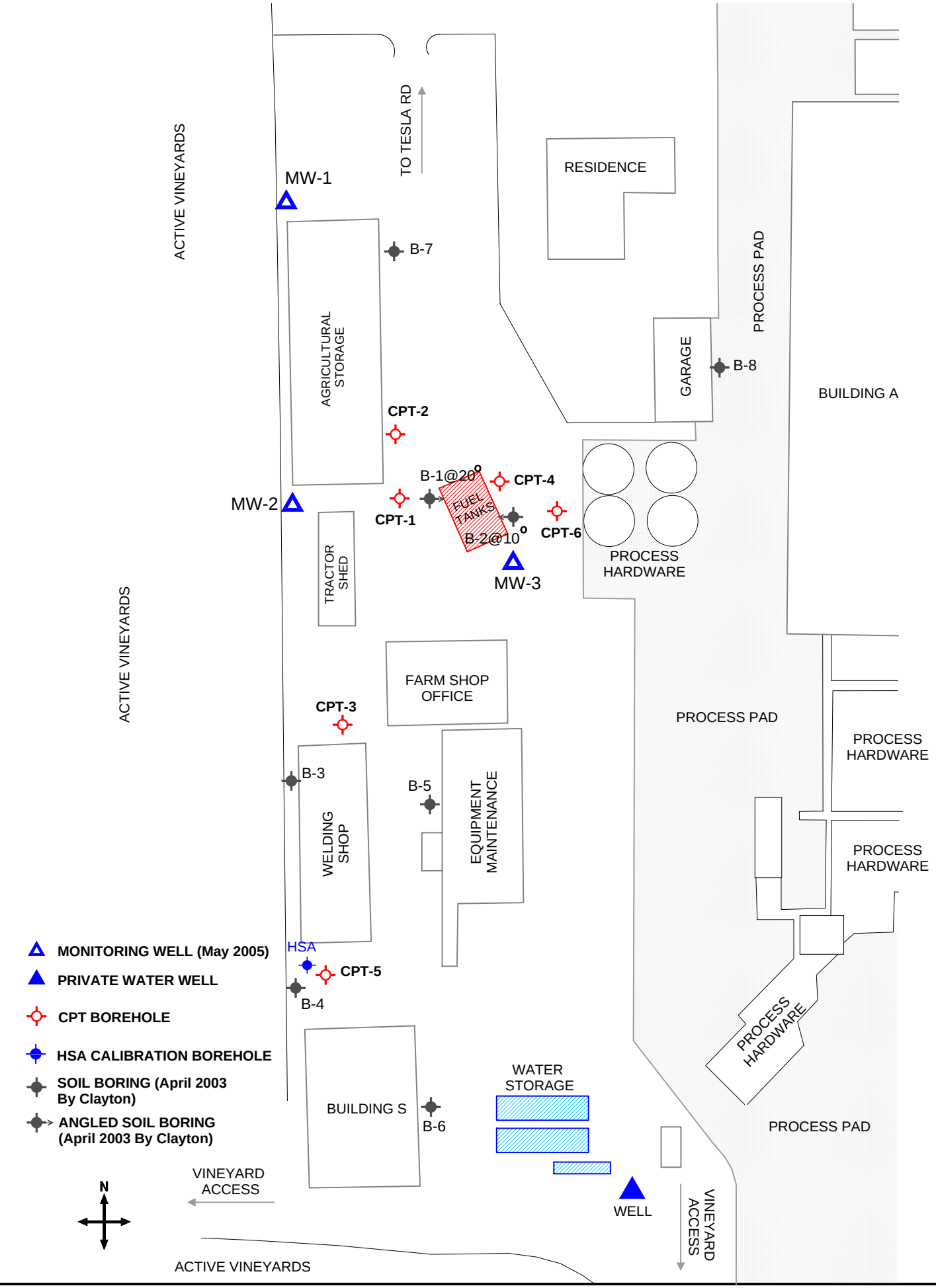

Figure 2: Location of Groundwater Monitoring Wells, HSA Calibration Borehole, and CPT Boreholes.

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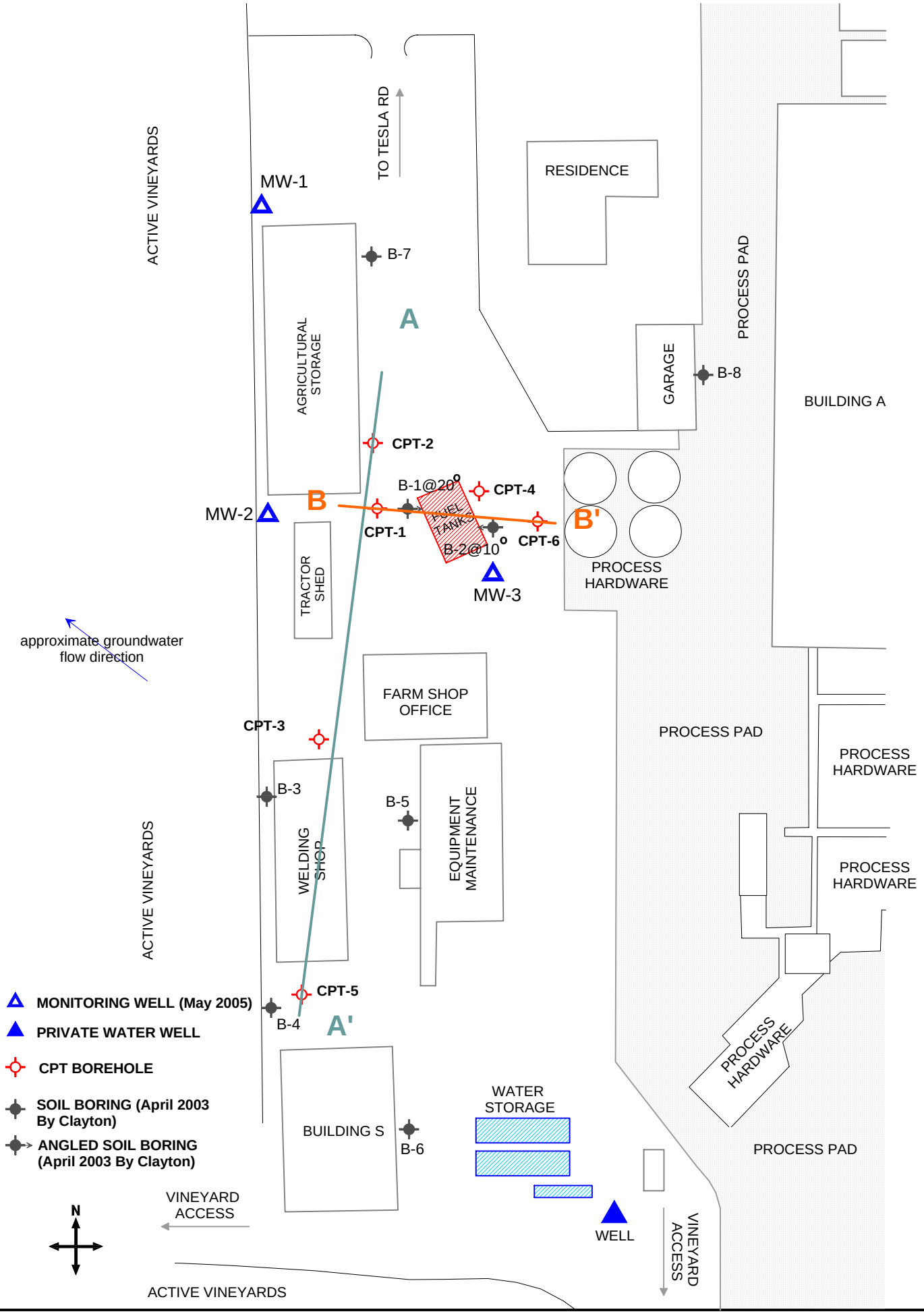

Figure 3: Location of Geologic Cross Sections A-A' and B-B'.

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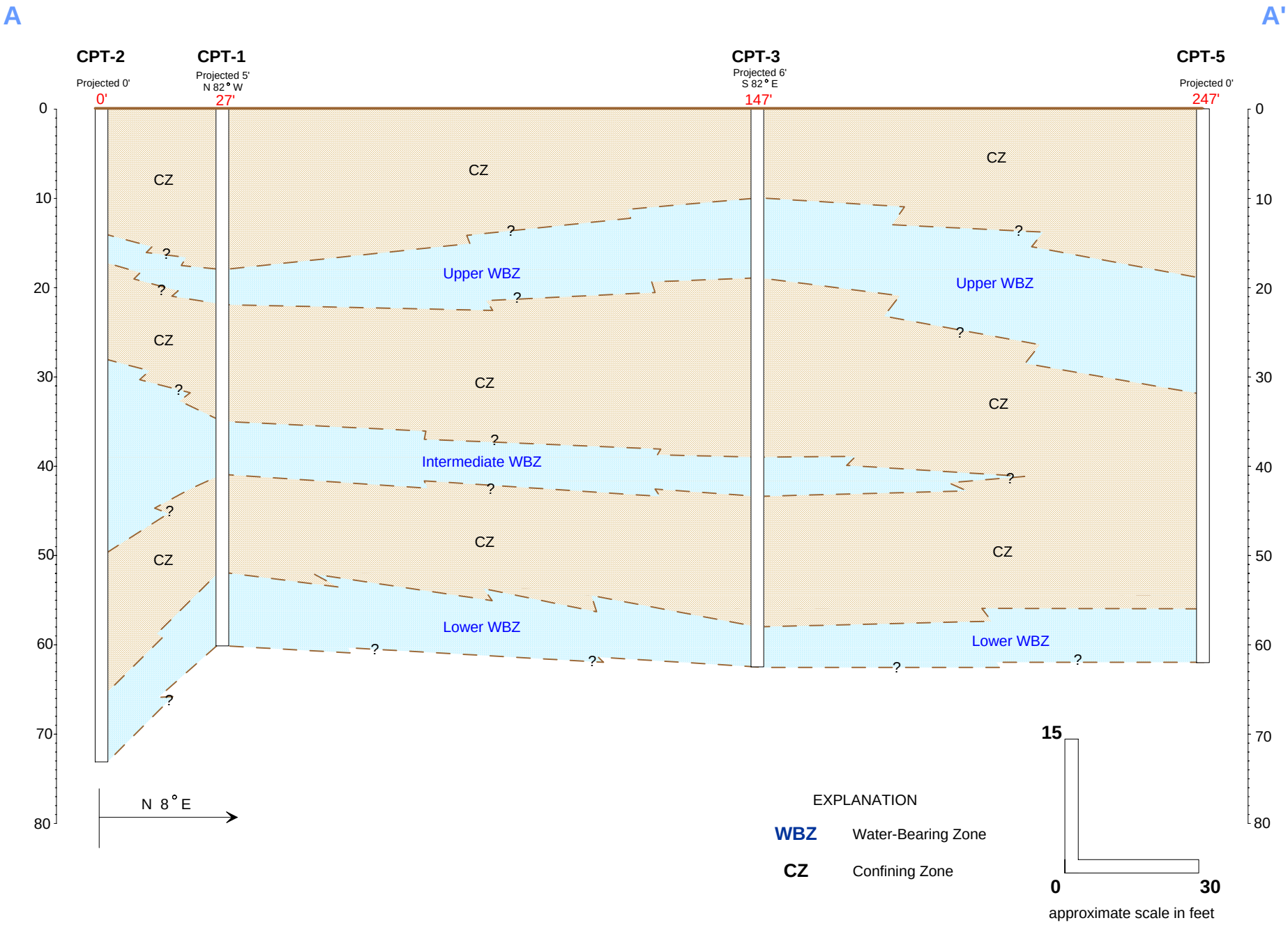

NOTE: Vertical exaggeration (30/15=2').

Figure 4: Geologic Cross Section A-A'.

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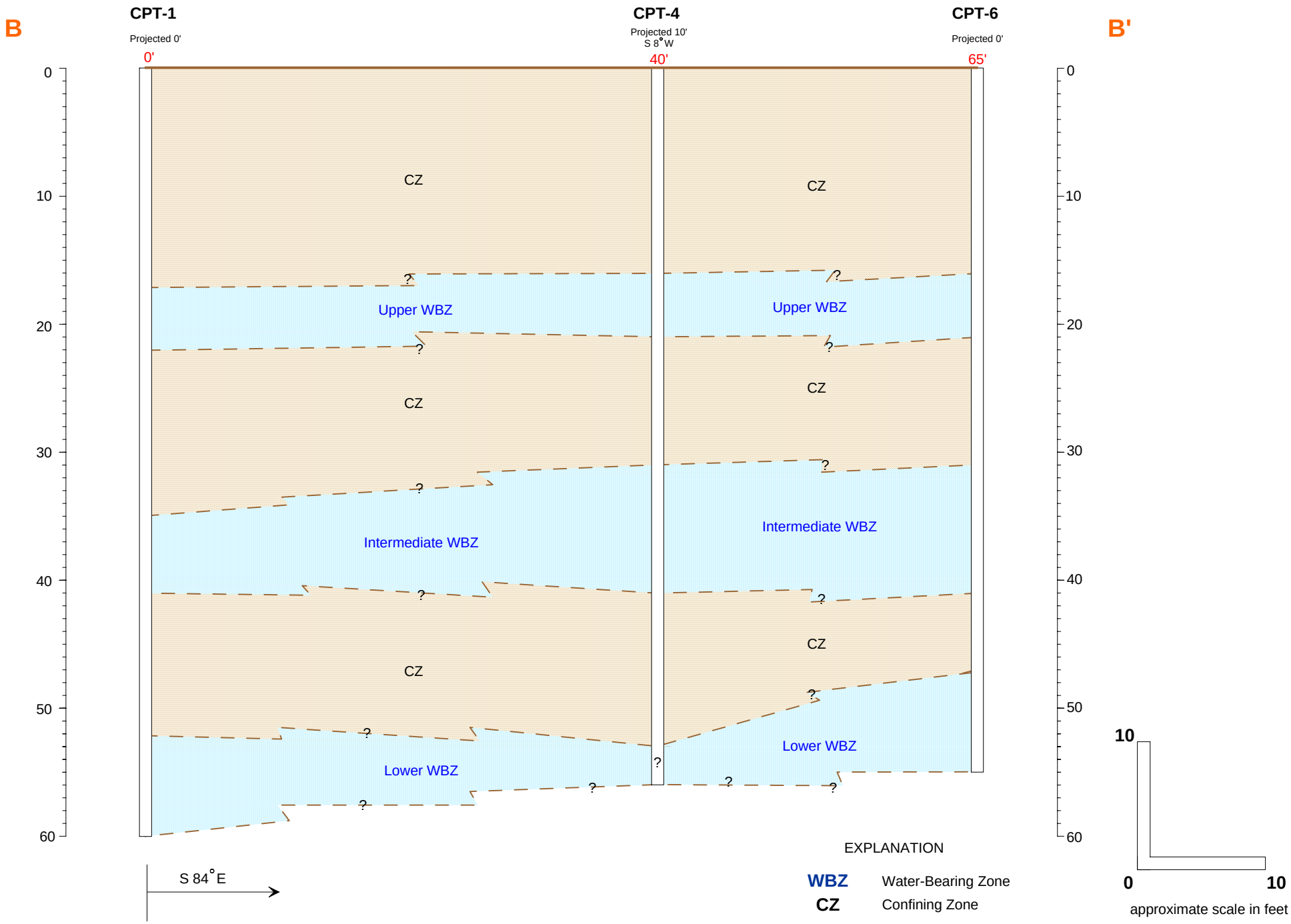

Figure 5: Geologic Cross Section B-B'.

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APPENDIX A

Drilling Permit

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551 PHONE (925) 454-5000

November 5, 2005

Mr. John Lohman
SOMA Environmental
6620 Owens Drive, Suite A
Pleasanton, CA 94588

Dear Mr. Lohman:

Enclosed is drilling permit 25186 for a contamination investigation at 5565 Tesla Road in Livermore for Wente Bros. Winery. Also enclosed are current drilling permit applications for your files.

Please note that permit conditions A-2 and G requires that a report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, permit number and any analysis of the soil and water samples. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 5056 or Matt Katen at extension 5071.

Sincerely,

Wyman Hong

Wyman Hong
Water Resources Specialist

Enc.

APPENDIX B

HSA Log

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: Calibration Borehole (CPT-5)

PROJECT: 2842

SITE LOCATION: 5565 Tesla Road, Livermore

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Hollow Stem Auger

BORING DIAMETER: Approximately 6"

LOGGED BY: E Jennings

DATE DRILLED: October 24, 2005

CASING ELEVATION: NA

DEPTH TO GW: NA

T.O.C. TO SCREEN: NA

SCREEN LENGTH: NA

APPROVED BY: M Sepehr Ph. D., P.E.

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand auger borehole to 5 feet below ground surface (bgs)	Hand auger to 5'			
1.5	5		SM/ML	SILTY SAND/SANDY SILT: brown; damp - moist; medium dense; alluvial sand; medium estimated permeability.			4 8 13 15	
2			CL	SILTY CLAY WITH SOME SAND: brown slight mottled dark gray brown; damp - moist; soft - firm; slightly plastic; small percentage of fine sand (20%); medium estimated permeability. (8.5 feet) Brown slight mottled red/orange brown; (with depth).			5 7 9	
1.5	10		CL	SILTY CLAY: light gray brown slight mottled dark gray brown; moist; firm; moderately plastic - very plastic; medium estimated permeability.			3 7 9 10	
1.5			CL	SILTY CLAY WITH SOME SAND: light gray brown slight mottled black and red/orange brown; moist - very moist; soft - firm; very plastic; small percentage of fine sand (20%); medium estimated permeability.			5 9 12	
1.5	15		CL	SILTY CLAY: gray brown slight mottled red/orange brown; moist; stiff - very stiff; moderately plastic - very plastic; low estimated permeability. (15.5 feet) Gray brown mottled black, light gray, and red/orange brown; very moist; soft-firm; increase in percentage of sand; (with depth).		▽	6 12 15 7 13 15 9 9 10 12	
2	20		SW/GW	SAND, GRAVEL MIXTURE: brown; wet - saturated; loose - medium dense; angular, coarse gravel particles 2 in. maximum size; high estimated permeability.			4 12 16 16 24 30 16 29 50 15 27 50	
	25							

COMMENTS:

PROJECT: 2842

SITE LOCATION: 5565 Tesla Road, Livermore

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Hollow Stem Auger

BORING DIAMETER: Approximately 6"

LOGGED BY: E Jennings

DATE DRILLED: October 24, 2005

CASING ELEVATION: NA

DEPTH TO GW: NA

T.O.C. TO SCREEN: NA

SCREEN LENGTH: NA

APPROVED BY: M Sepehr Ph. D., P.E.

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON / CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	30			(25 - 38 feet) No Recovery (NR).	No Recovery			
	35							
1.5	40		CL	SILTY CLAY: brown slight mottled black; moist; stiff - very stiff; moderately plastic - very plastic; low estimated permeability. (40 feet) Brown slight mottled red/orange brown and gray brown; soft - firm; very plastic; (with depth).			25 40 50 10 25 41 14 41 50 20 40 50 19 50 50 50 Not recorded	
	45							
	50							

COMMENTS:

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: Calibration Borehole (CPT-5)

PROJECT: 2842

SITE LOCATION: 5565 Tesla Road, Livermore

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Hollow Stem Auger

BORING DIAMETER: Approximately 6"

LOGGED BY: E Jennings

DATE DRILLED: October 24, 2005

CASING ELEVATION: NA

DEPTH TO GW: NA

T.O.C. TO SCREEN: NA

SCREEN LENGTH: NA

APPROVED BY: M Sepehr Ph. D., P.E.

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON / CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
1.5	55		CL	SILTY CLAY WITH SOME SAND: brown slight mottled gray brown; moist - very moist; soft - firm; moderately plastic; small percentage of fine sand (20%); medium estimated permeability.			14 41 50 Not recorded	
				(55 feet) Brown mottled red/orange brown; (with depth).				
1.5			CL	SILTY CLAY INTERBEDDED WITH SAND AND GRAVEL: brown mottled red/orange brown; very moist - wet; rounded and subangular sand grains, fine - medium; hard, angular gravel particles 1½ in. maximum size; high estimated permeability.			29 50 50 Not recorded	
	60		SW/GW	SAND, GRAVEL MIXTURE: brown; wet - saturated; loose - medium dense; angular, coarse gravel particles 2½ in. maximum size; high estimated permeability.			50 50 50	
	65							
	70							
	75							

COMMENTS: Total Depth 62' bgs

APPENDIX C

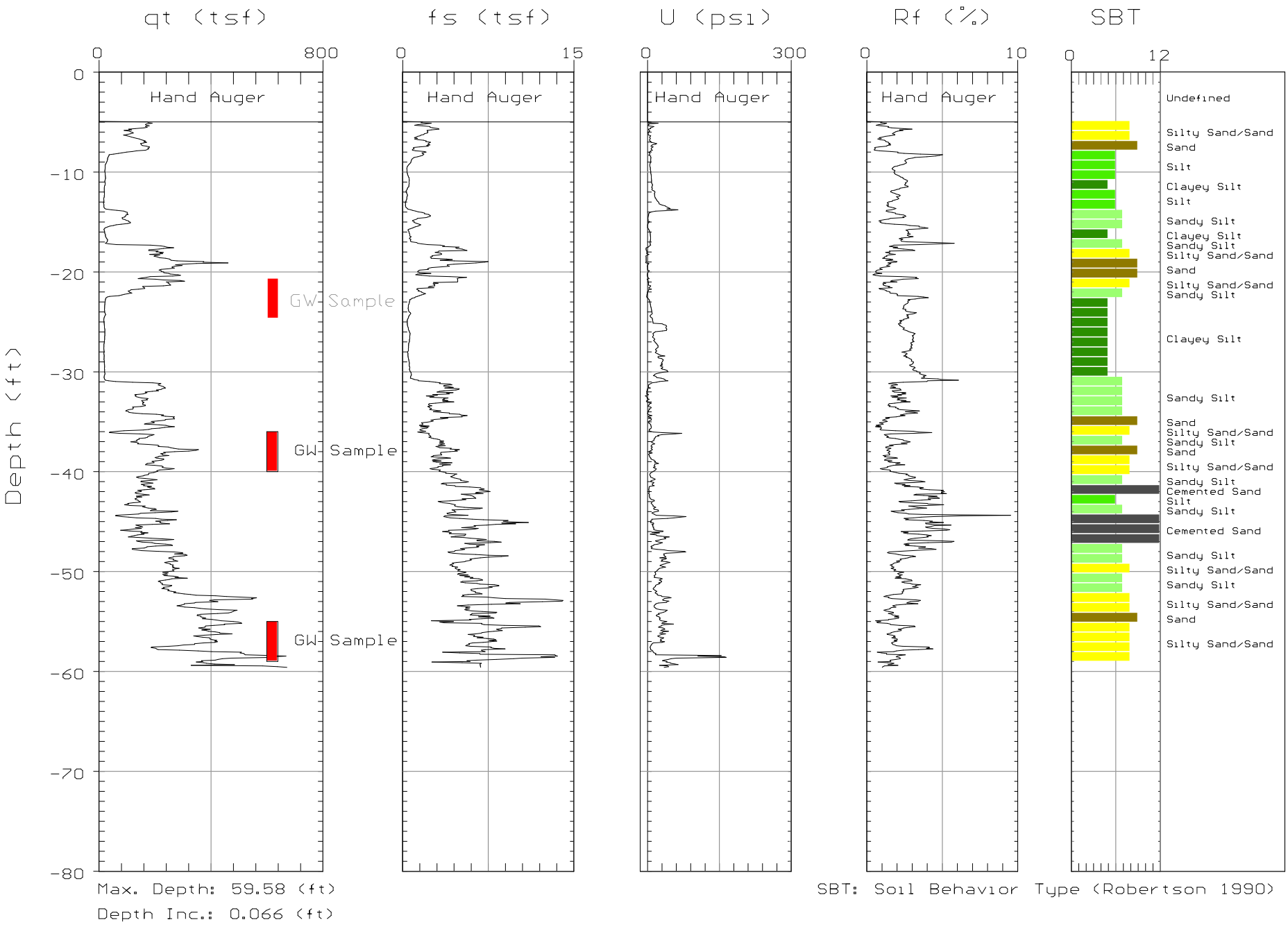
CPT Logs

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-01

Engineer: J.LOHMAN
Date: 10:27:105 10:04



Max. Depth: 59.58 (ft)
Depth Inc.: 0.066 (ft)

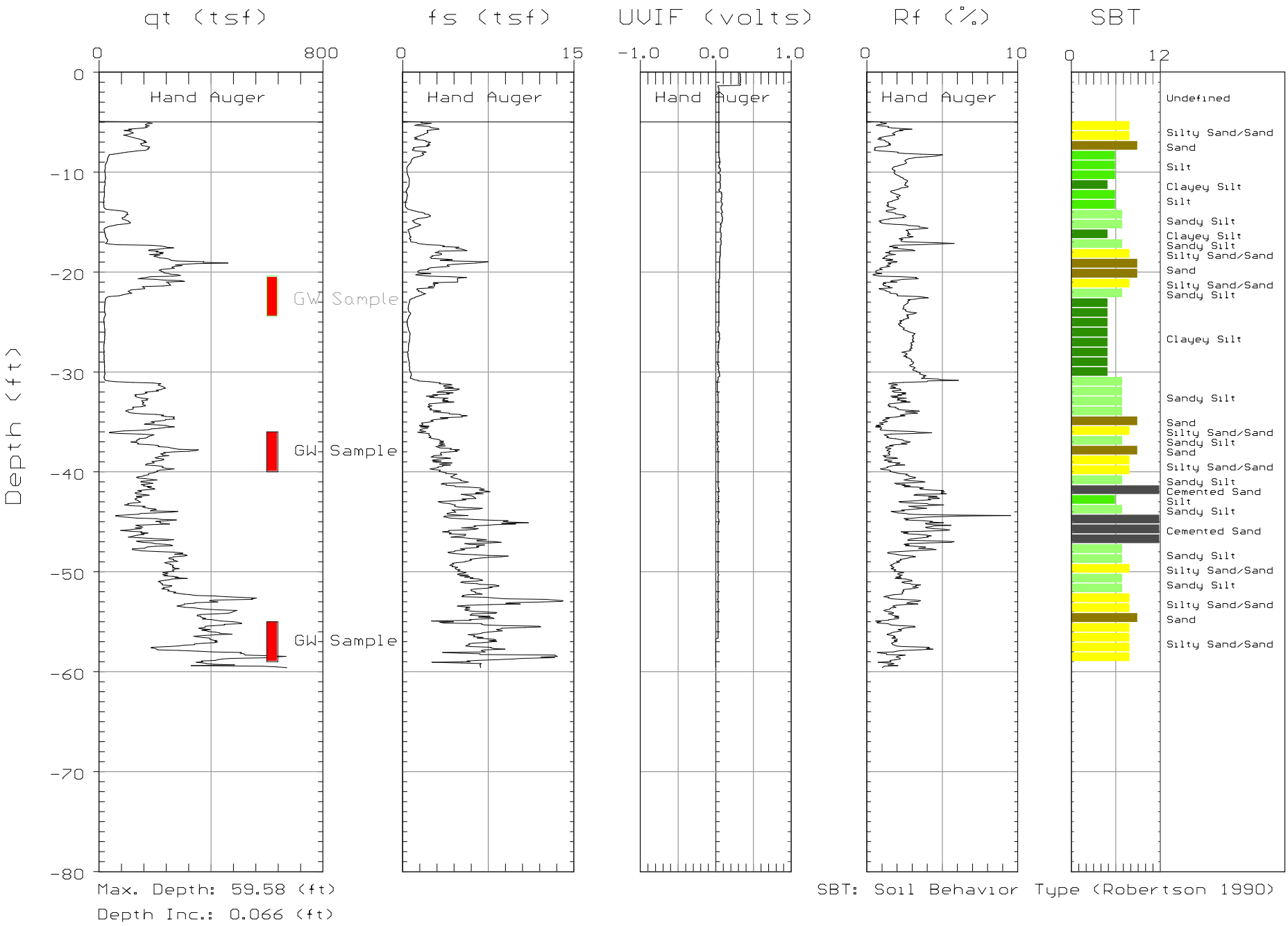
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-01

Engineer: J.LOHMAN
Date: 10:27:105 10:04



Max. Depth: 59.58 (ft)
Depth Inc.: 0.066 (ft)

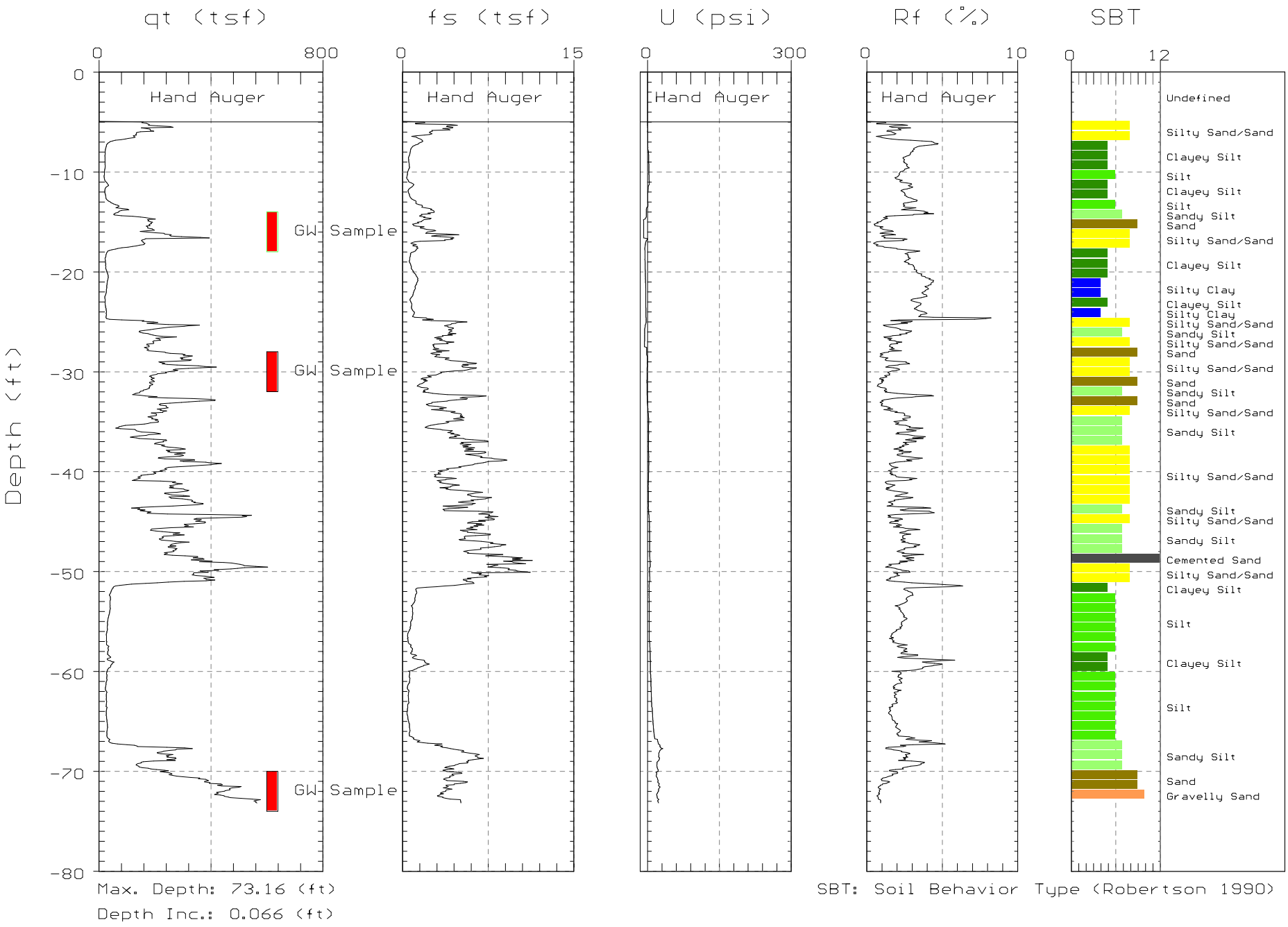
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-02

Engineer: J.LOHMAN
Date: 10:27:105 08:08



Max. Depth: 73.16 (ft)
Depth Inc.: 0.066 (ft)

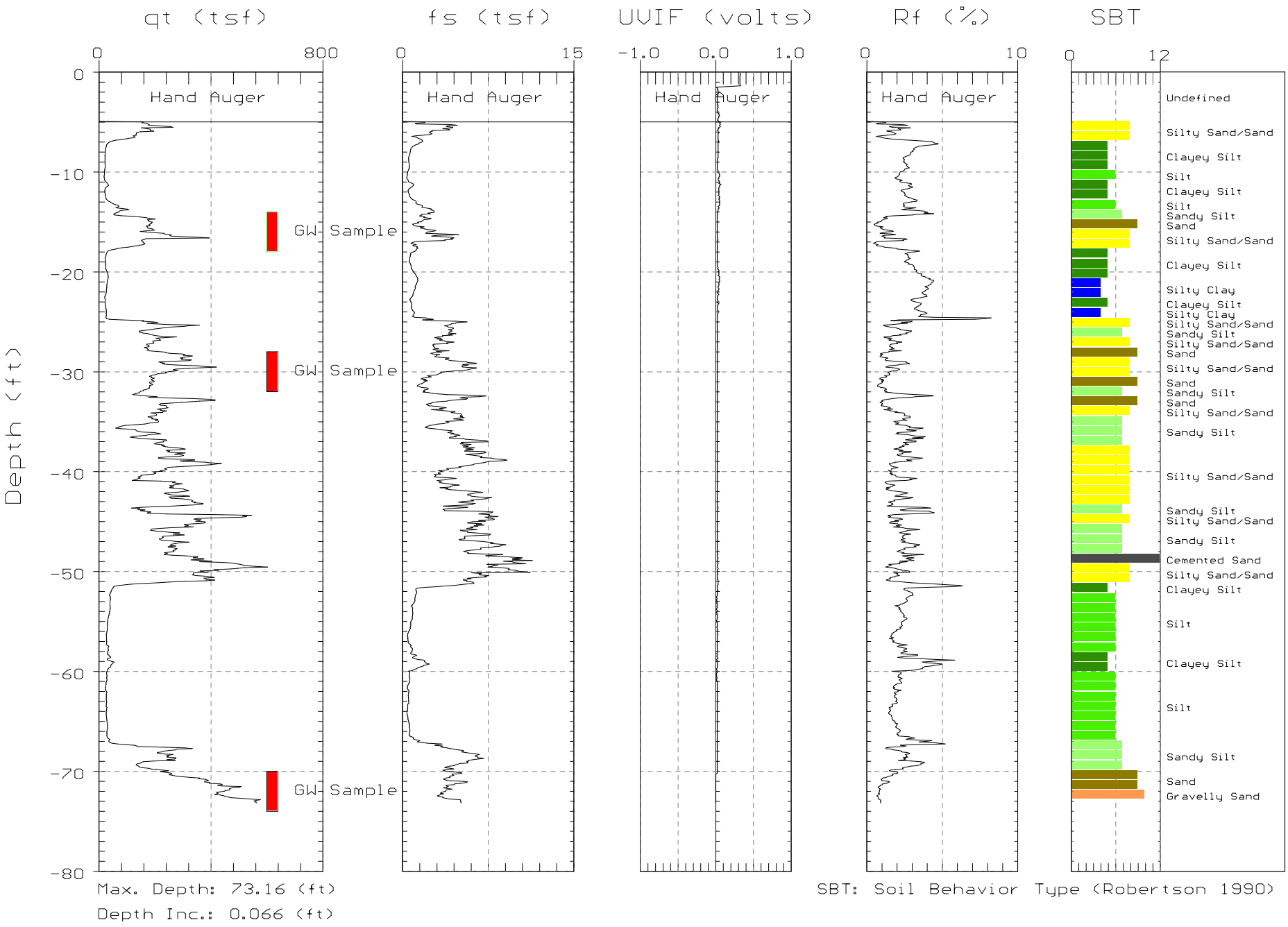
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-02

Engineer: J.LOHMAN
Date: 10:27:105 08:08



Max. Depth: 73.16 (ft)
Depth Inc.: 0.066 (ft)

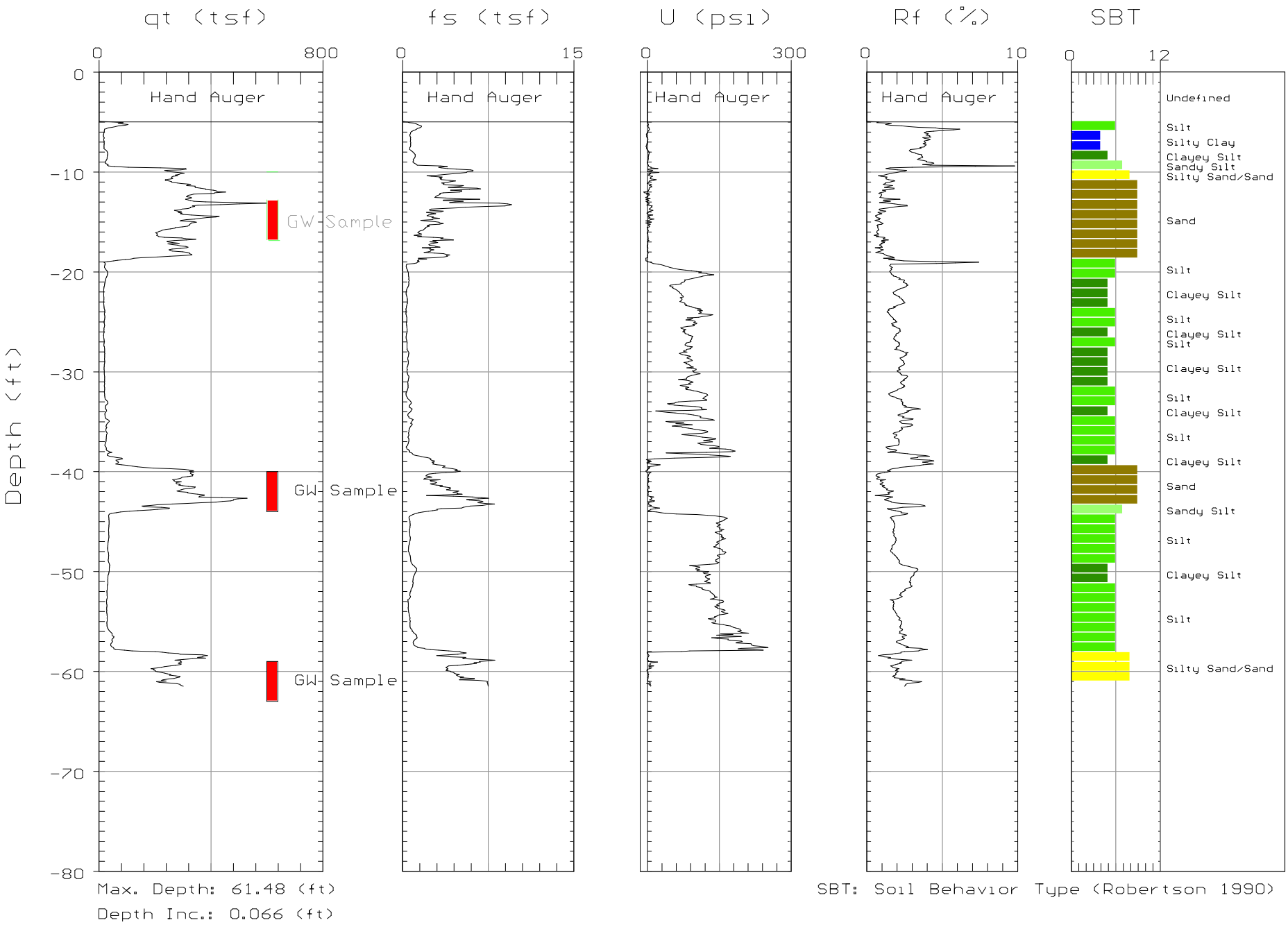
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-03

Engineer: J.LOHMAN
Date: 10:26:105 10:32



Max. Depth: 61.48 (ft)
Depth Inc.: 0.066 (ft)

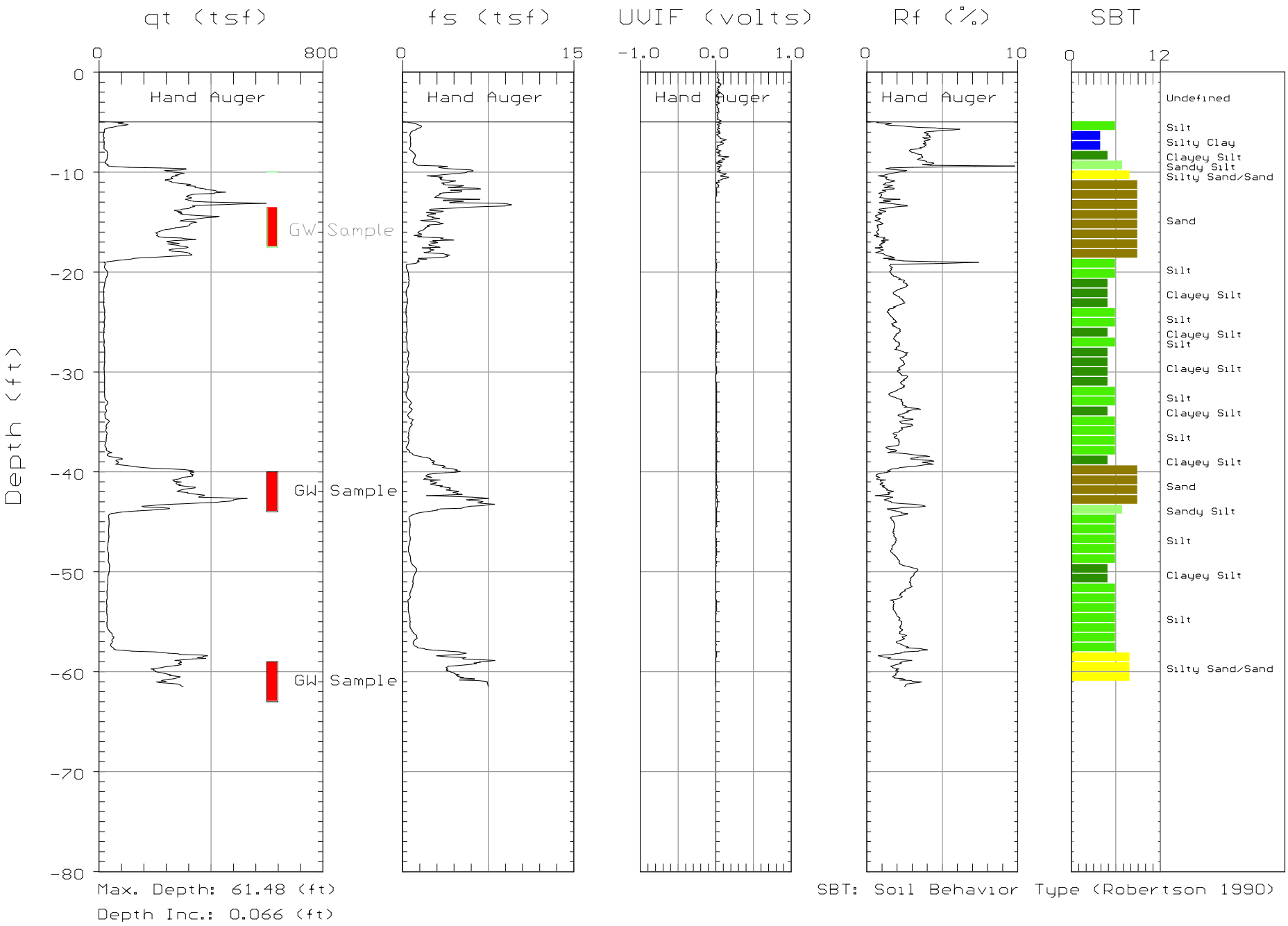
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-03

Engineer: J.LOHMAN
Date: 10:26:105 10:32



Max. Depth: 61.48 (ft)
Depth Inc.: 0.066 (ft)

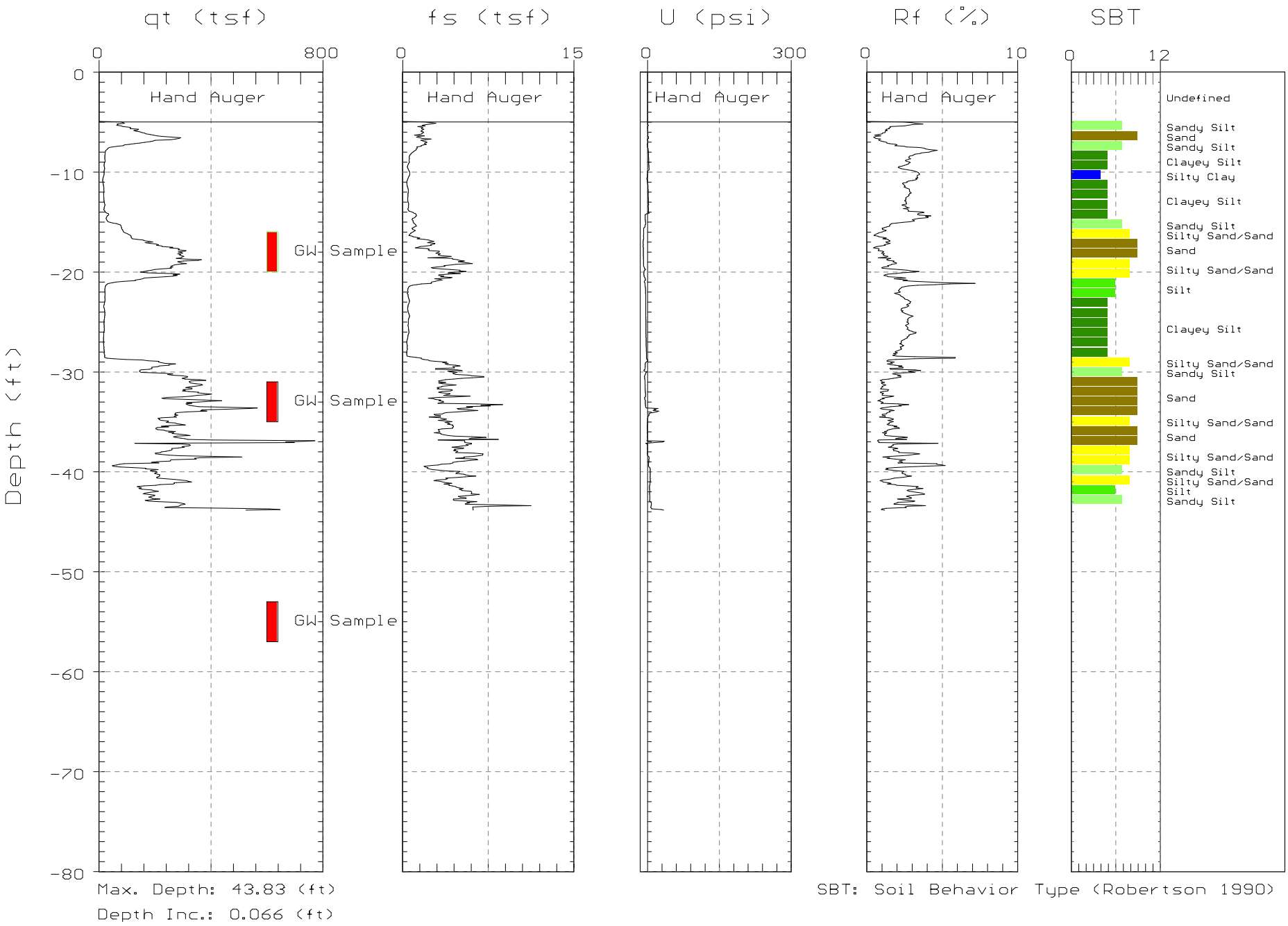
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-04

Engineer: J.LOHMAN
Date: 10:27:105 05:35



Max. Depth: 43.83 (ft)
Depth Inc.: 0.066 (ft)

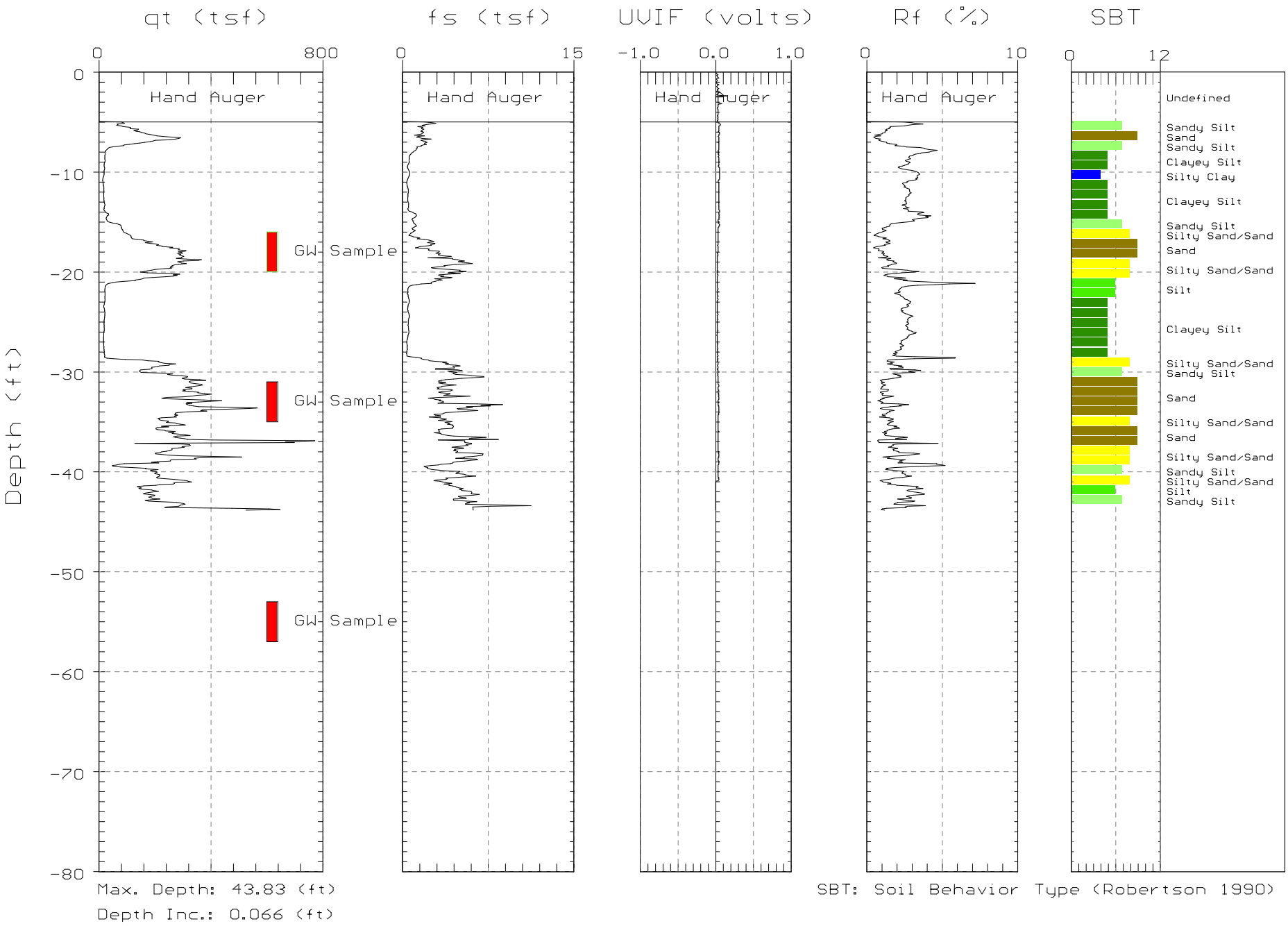
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-04

Engineer: J.LOHMAN
Date: 10:27:105 05:35



Max. Depth: 43.83 (ft)
Depth Inc.: 0.066 (ft)

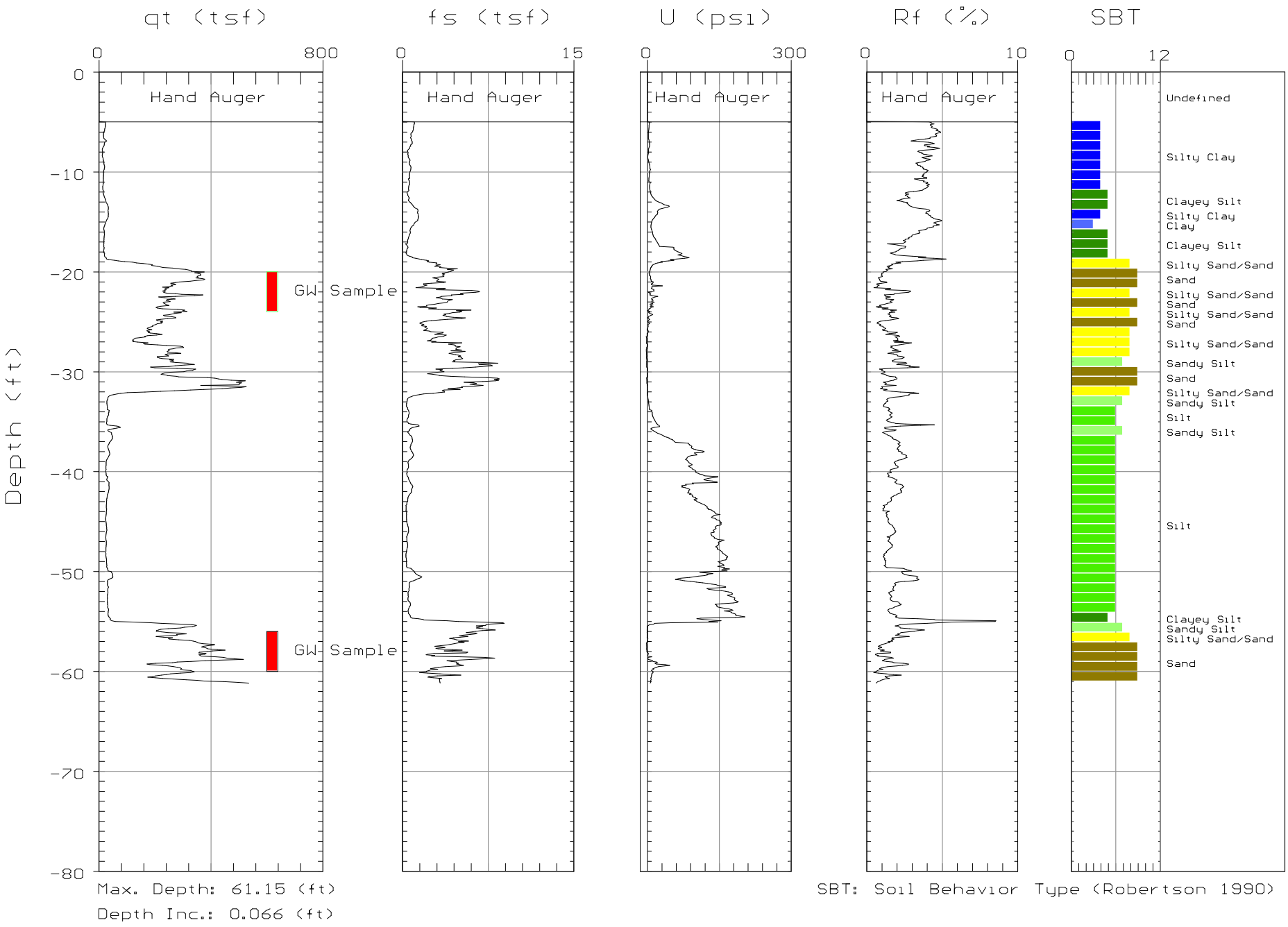
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-05

Engineer: J.LOHMAN
Date: 10:26:105 06:07



Max. Depth: 61.15 (ft)
Depth Inc.: 0.066 (ft)

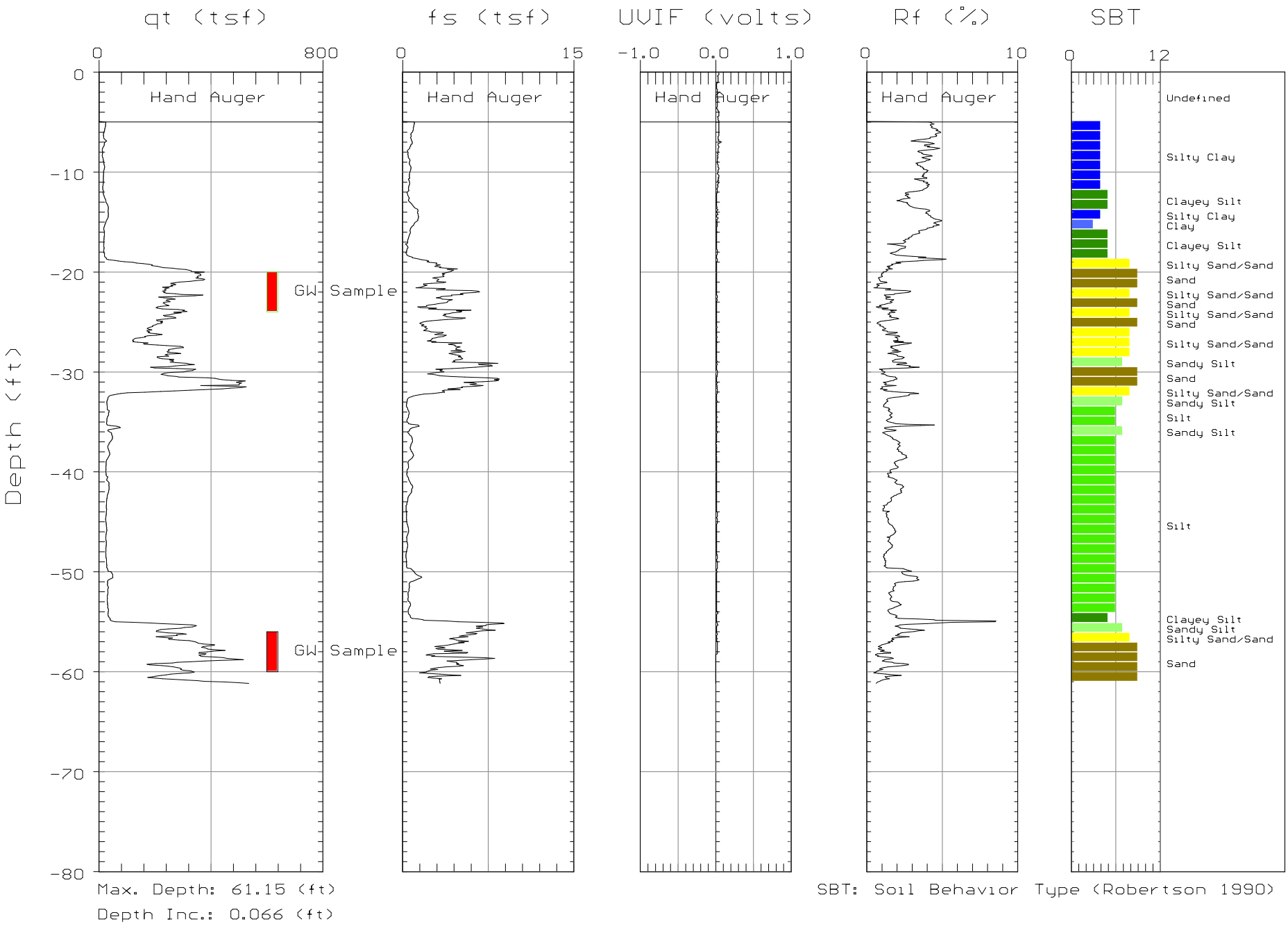
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-05

Engineer: J.LOHMAN
Date: 10:26:105 06:07



Max. Depth: 61.15 (ft)
Depth Inc.: 0.066 (ft)

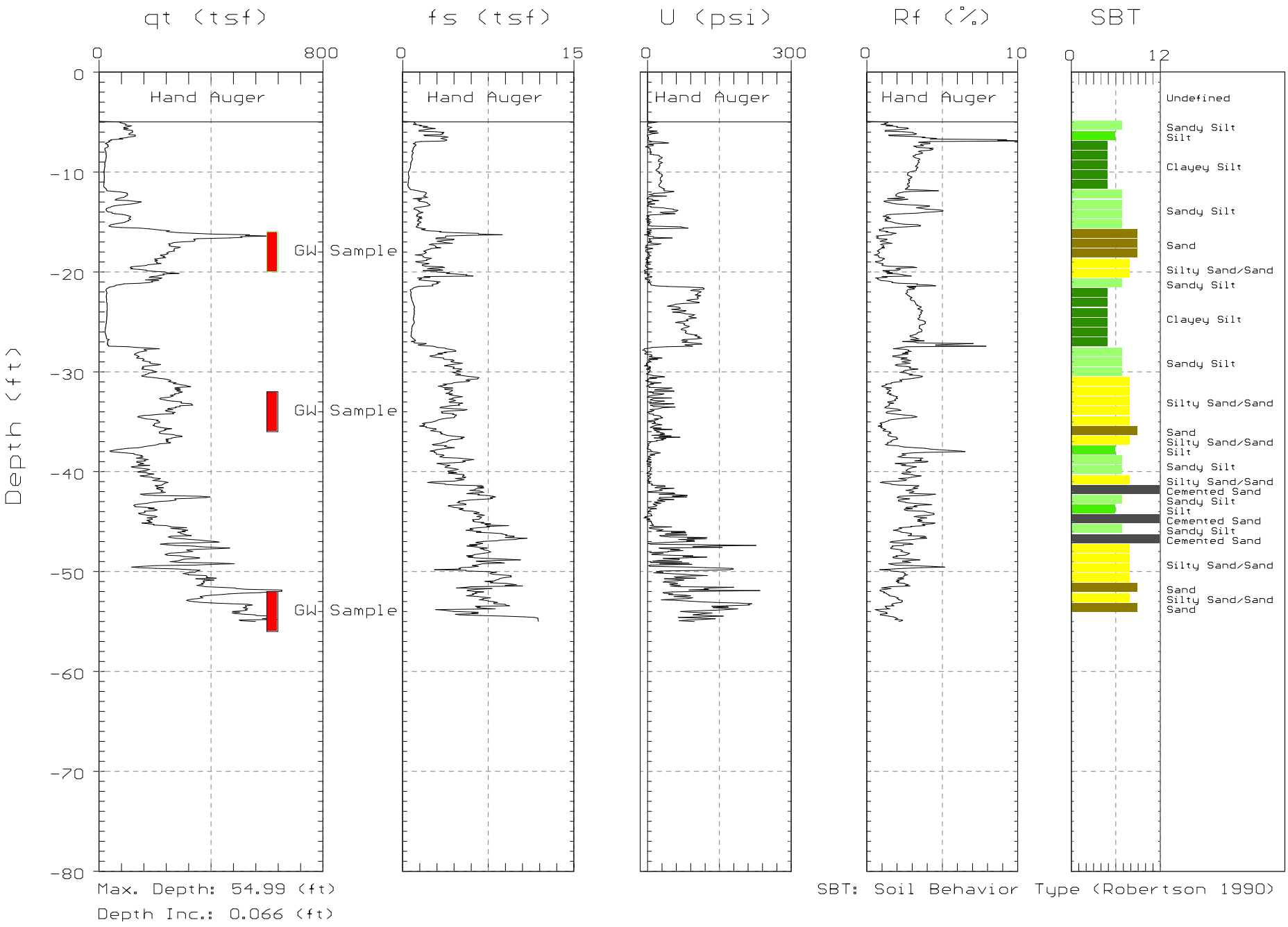
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-06

Engineer: J.LOHMAN
Date: 10:27:105 03:53



Max. Depth: 54.99 (ft)
Depth Inc.: 0.066 (ft)

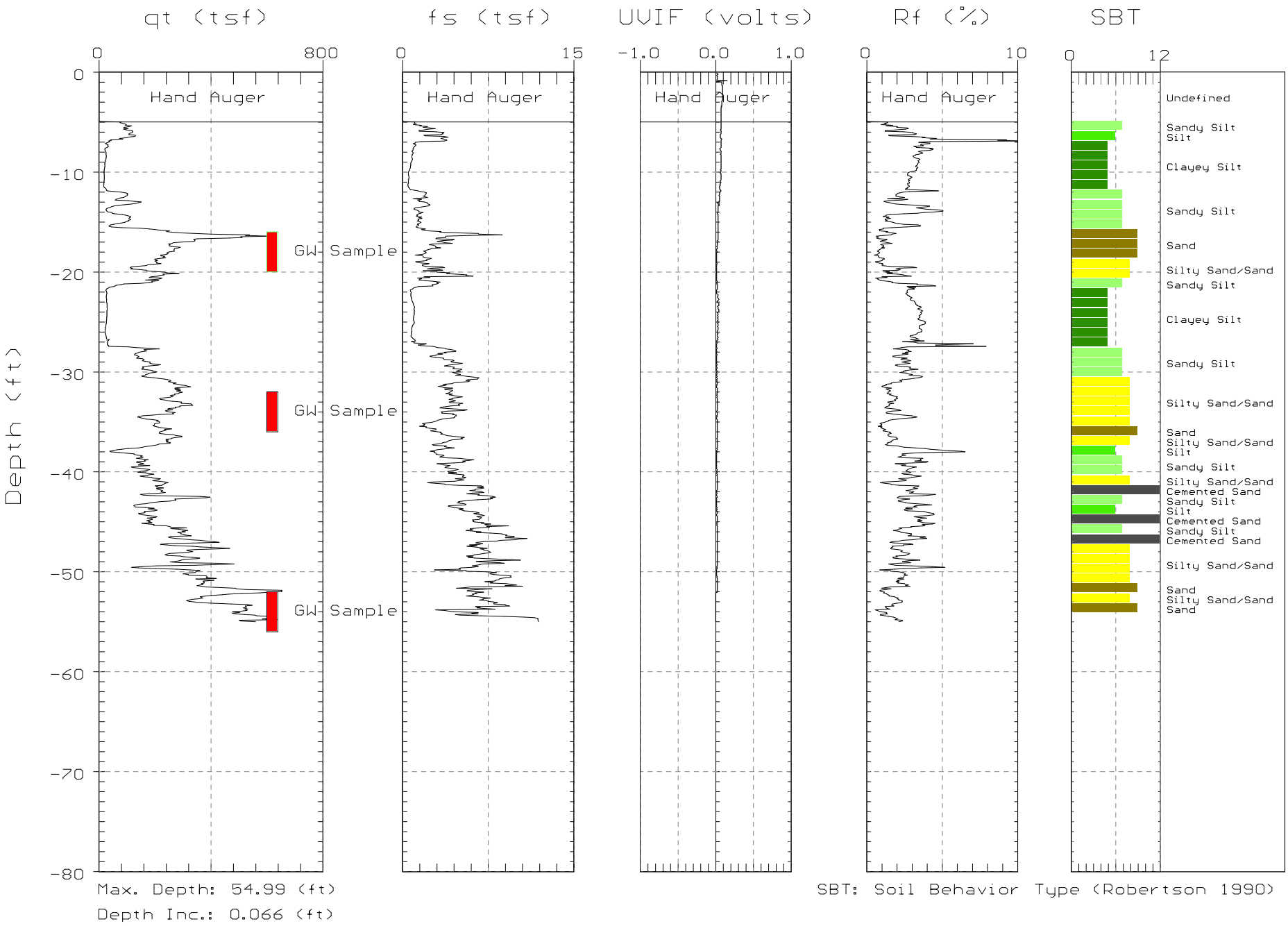
SBT: Soil Behavior Type (Robertson 1990)

GREGG

SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-06

Engineer: J.LOHMAN
Date: 10:27:105 03:53



Max. Depth: 54.99 (ft)
Depth Inc.: 0.066 (ft)

SBT: Soil Behavior Type (Robertson 1990)

APPENDIX D

Laboratory Analytical Report

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:

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Suite A
Pleasanton, CA 94588

Date: 17-NOV-05
Lab Job Number: 182815
Project ID: STANDARD
Location: 5565 Tesla Rd.

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

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**182815**
Client:	**SOMA Environmental Engineering Inc.**
Location:	**5565 Tesla Rd.**
Request Date:	**10/28/05**
Samples Received:	**10/27/05**

This hardcopy data package contains sample and QC results for seventeen water samples, requested for the above referenced project on 10/28/05. The samples were received on ice and intact.

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

TPH-Extractables by GC (EPA 8015B):
Low surrogate recoveries were observed for hexacosane in CPT-1(35-40) (lab # 182815-002) and CPT-5(19-24) (lab # 182815-013); these low surrogate recoveries were confirmed by re-extraction and re-analysis. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
1,2,3-trichlorobenzene was detected above the RL in the method blank for batch 107433; this analyte was not detected in samples at or above the RL. CPT-5(19-24) (lab # 182815-013) was diluted due to an insufficient volume of sample. The VOA vials were submitted over halfway full of sediment. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):
No analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T LOGIN # 182815

Project No: 2842

Project Name: 5565 Tesla Rd, Livermore

Turnaround Time: Standard

Sampler: John Lohman

Report To: Joyce Bobek [redacted]

Company : SOMA Environmental

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID	Depth	Sampling Date	Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Preservative: none	Analyses: TPHg, TPHd, TPHmo	Analyses: 1,2-dicholoroethane, ehylene dibromide	Analyses: BTEX	Analyses: Volatile Organics (full target list)	Analyses: Metals CAM 17 6010/7000
-1	CPT-1	17-22	10/27/05	2:55		X		5VOAS-1L Amber	X			X	X	X	X	X		
-2	CPT-1	35-40	10/27/05	3:30		X		↓	X			X	X	X	X	X		
-3	CPT-1	54-49	10/27/05	3:50		X			X			X	X	X	X	X		
-4	CPT-2	13-18	10/27/05	1:45		X			X			X	X	X	X	X		
-5	CPT-2	27-32	10/27/05	2:10		X			X			X	X	X	X	X		
-6	CPT-2	69-74	10/27/05	2:30		X		↓	X			X	X	X	X	X		
-7	CPT-3	11-16	10/26/05	3:30		X		5VOA, 1L, 500mL Poly	X			X	X	X			X	X
-8	CPT-3	39-44	10/26/05	3:55		X		↓	X			X	X	X			X	X
-9	CPT-3	58-63	10/26/05	4:25		X			X			X	X	X			X	X
-10	CPT-4	15-20	10/27/05	12:10		X		5VOAS-1L	X			X	X	X	X	X		
-11	CPT-4	30-35	10/27/05	12:45		X		↓	X			X	X	X	X	X		
-12	CPT-4	52-57	10/27/05	1:10		X		↓	X			X	X	X	X	X		
-13	CPT-5	19-24	10/26/05	12:00		X		5VOA, 1L, 500mL Poly	X			X	X	X			X	X
-14	CPT-5	56-61	10/26/05	12:40		X		↓	X			X	X	X			X	X
-15	CPT-6	15-20	10/27/05	10:15		X		5VOAS-1L	X			X	X	X	X	X		
-16	CPT-6	31-36	10/27/05	10:35		X		↓	X			X	X	X	X	X		
-17	CPT-6	51-56	10/27/05	10:55		X		↓	X			X	X	X	X	X		

Notes:

EDF OUTPUT REQUIRED

Silica gel cleanup method

Filter Metal Samples

VOAS-HCL / 1L-None / 500 Poly-None

RELINQUISHED BY:

10/27/05 5:00 PM DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

10/27/05 6:00 DATE/TIME

DATE/TIME

DATE/TIME

REC'D intact; on ice

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107205
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Analyzed:	10/30/05

Field ID: CPT-1(17-22) Lab ID: 182815-001
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	79	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	62-141
Bromofluorobenzene (FID)	117	78-134

Field ID: CPT-1(35-40) Lab ID: 182815-002
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	62-141
Bromofluorobenzene (FID)	127	78-134

Field ID: CPT-1(54-49) Lab ID: 182815-003
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	62-141
Bromofluorobenzene (FID)	121	78-134

Field ID: CPT-2(13-18) Lab ID: 182815-004
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	56	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	62-141
Bromofluorobenzene (FID)	128	78-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107205
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Analyzed:	10/30/05

Field ID: CPT-2(27-32) Lab ID: 182815-005
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	62-141
Bromofluorobenzene (FID)	126	78-134

Field ID: CPT-2(69-74) Lab ID: 182815-006
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	62-141
Bromofluorobenzene (FID)	122	78-134

Field ID: CPT-3(11-16) Lab ID: 182815-007
Type: SAMPLE Sampled: 10/26/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	62-141
Bromofluorobenzene (FID)	120	78-134

Field ID: CPT-3(39-44) Lab ID: 182815-008
Type: SAMPLE Sampled: 10/26/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	62-141
Bromofluorobenzene (FID)	125	78-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107205
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Analyzed:	10/30/05

Field ID: CPT-3(58-63) Lab ID: 182815-009
Type: SAMPLE Sampled: 10/26/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	62-141
Bromofluorobenzene (FID)	120	78-134

Field ID: CPT-4(15-20) Lab ID: 182815-010
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	260	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	62-141
Bromofluorobenzene (FID)	128	78-134

Field ID: CPT-4(30-35) Lab ID: 182815-011
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	62-141
Bromofluorobenzene (FID)	118	78-134

Field ID: CPT-4(52-57) Lab ID: 182815-012
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	62-141
Bromofluorobenzene (FID)	121	78-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107205
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Analyzed:	10/30/05

Field ID: CPT-5(19-24) Lab ID: 182815-013
Type: SAMPLE Sampled: 10/26/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	62-141
Bromofluorobenzene (FID)	127	78-134

Field ID: CPT-5(56-61) Lab ID: 182815-014
Type: SAMPLE Sampled: 10/26/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	62-141
Bromofluorobenzene (FID)	121	78-134

Field ID: CPT-6(15-20) Lab ID: 182815-015
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	56	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	62-141
Bromofluorobenzene (FID)	123	78-134

Field ID: CPT-6(31-36) Lab ID: 182815-016
Type: SAMPLE Sampled: 10/27/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	62-141
Bromofluorobenzene (FID)	133	78-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107205
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Analyzed:	10/30/05

Field ID:	CPT-6(51-56)	Lab ID:	182815-017
Type:	SAMPLE	Sampled:	10/27/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	62-141
Bromofluorobenzene (FID)	121	78-134

Type:	BLANK	Lab ID:	QC314870

Analyte	Result	RL
Gasoline C7-C12	ND	50

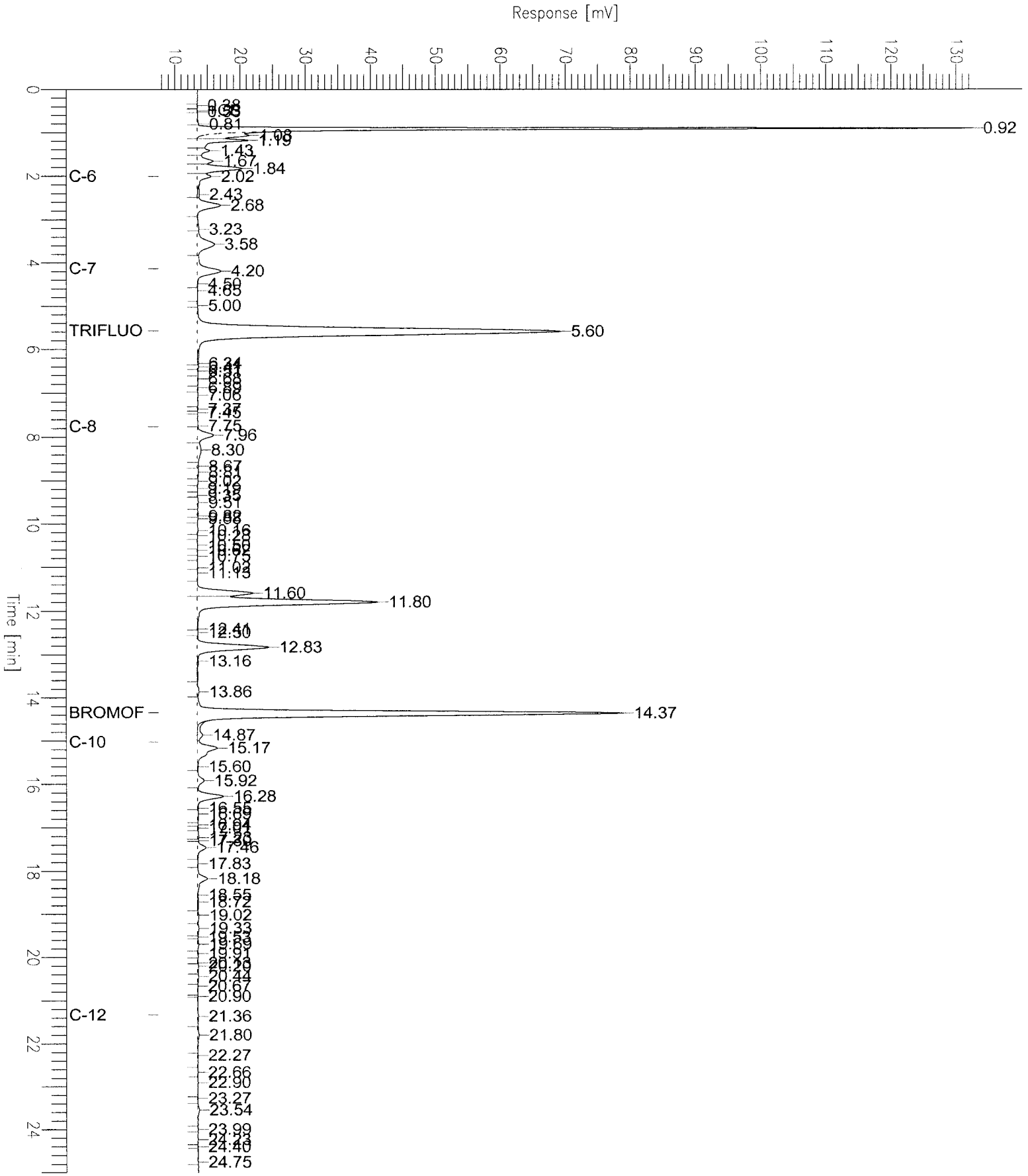
Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	62-141
Bromofluorobenzene (FID)	111	78-134

ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 182815-001,107205,tvh only
FileName : G:\GC05\DATA\303G004.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 7 mV

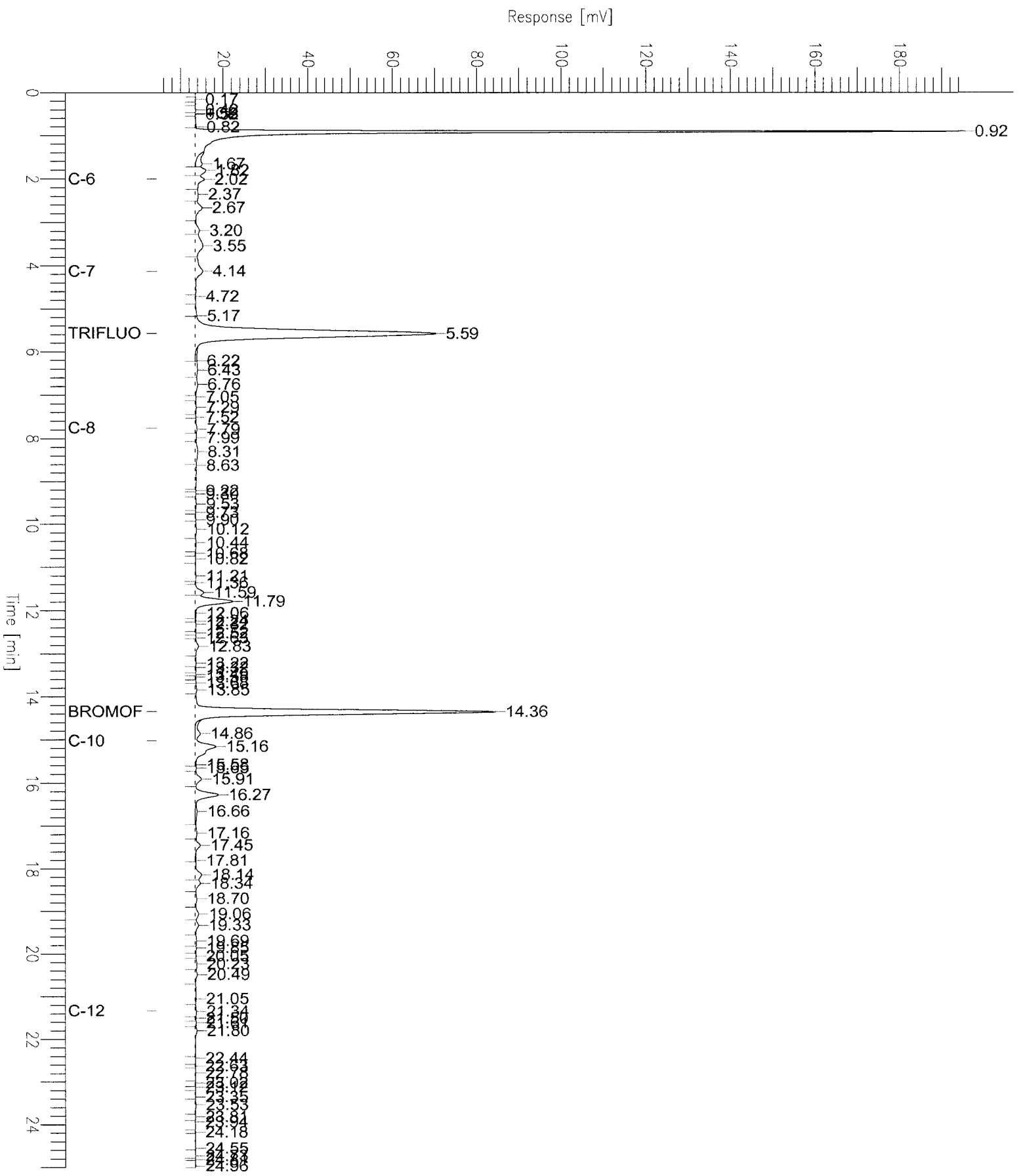
Sample #: b1.9 Page 1 of 1
Date : 10/30/05 06:32 AM
Time of Injection: 10/30/05 06:07 AM
Low Point : 7.46 mV High Point : 132.70 mV
Plot Scale: 125.2 mV



Chromatogram

Sample Name : mss,182815-004,107205,tvh only
FileName : G:\GC05\DATA\303G007.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 4 mV

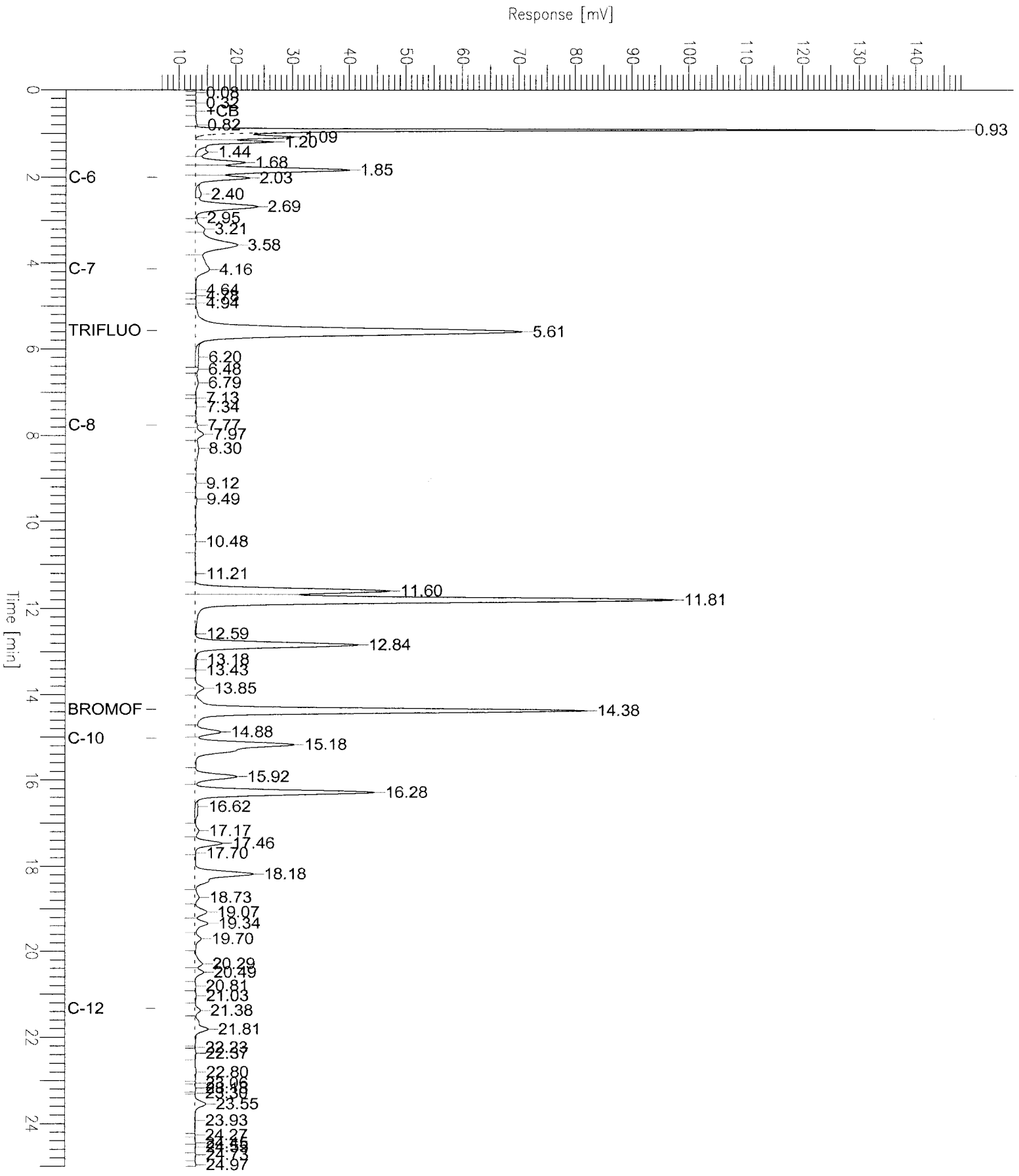
Sample #: b1.6 Page 1 of 1
Date : 10/30/05 08:08 AM
Time of Injection: 10/30/05 07:43 AM
Low Point : 4.29 mV High Point : 195.51 mV
Plot Scale: 191.2 mV



Chromatogram

Sample Name : 182815-010,107205,tvh only
FileName : G:\GC05\DATA\303G015.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 6 mV

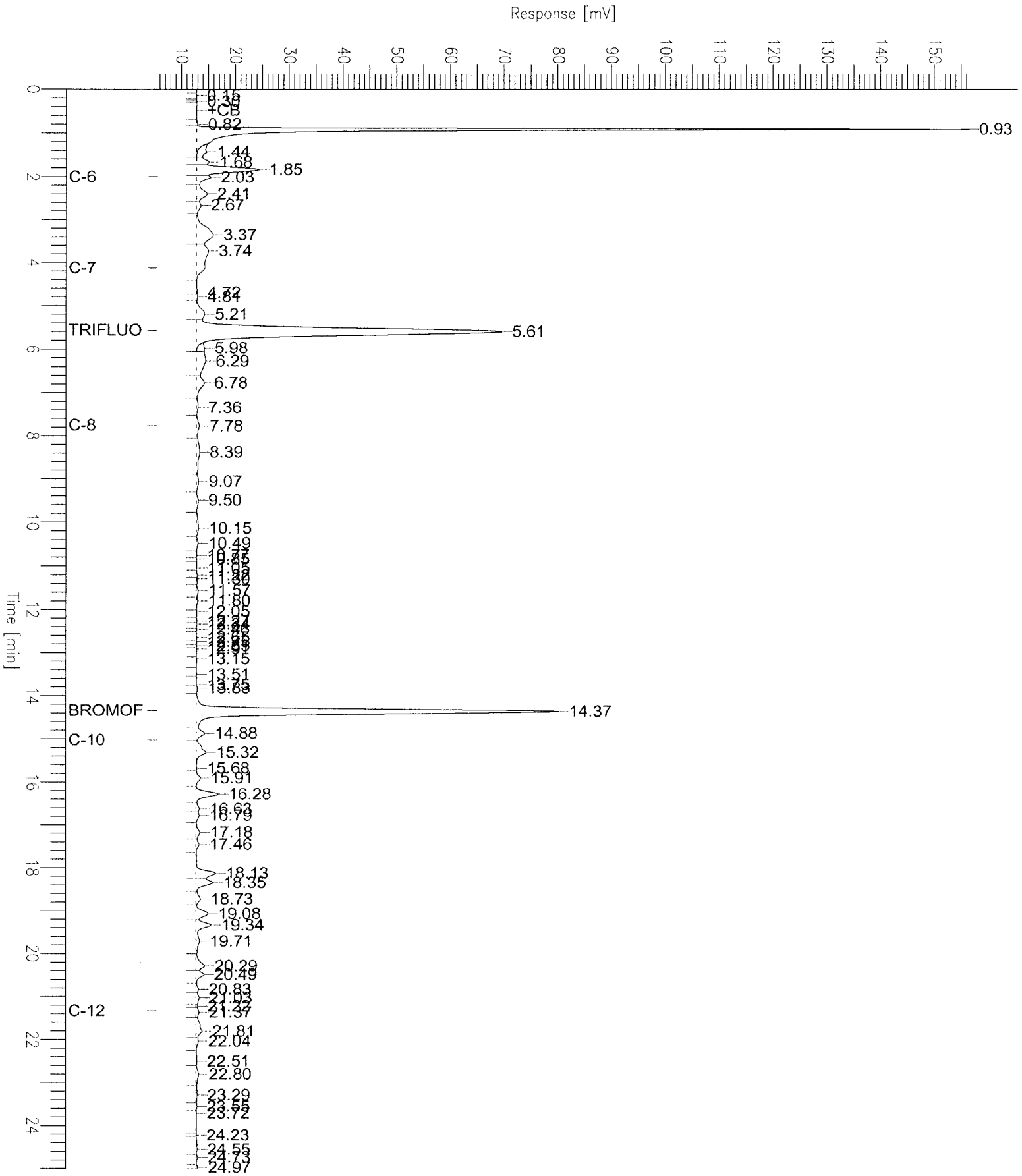
Sample #: a1.0 Page 1 of 1
Date : 10/30/05 12:22 PM
Time of Injection: 10/30/05 11:57 AM
Low Point : 6.14 mV High Point : 148.71 mV
Plot Scale: 142.6 mV



Chromatogram

Sample Name : 182815-015,107205,tvh only
FileName : G:\GC05\DATA\303G020.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 6 mV

Sample #: a1.0 Page 1 of 1
Date : 10/30/05 03:02 PM
Time of Injection: 10/30/05 02:36 PM
Low Point : 5.59 mV High Point : 156.53 mV
Plot Scale: 150.9 mV

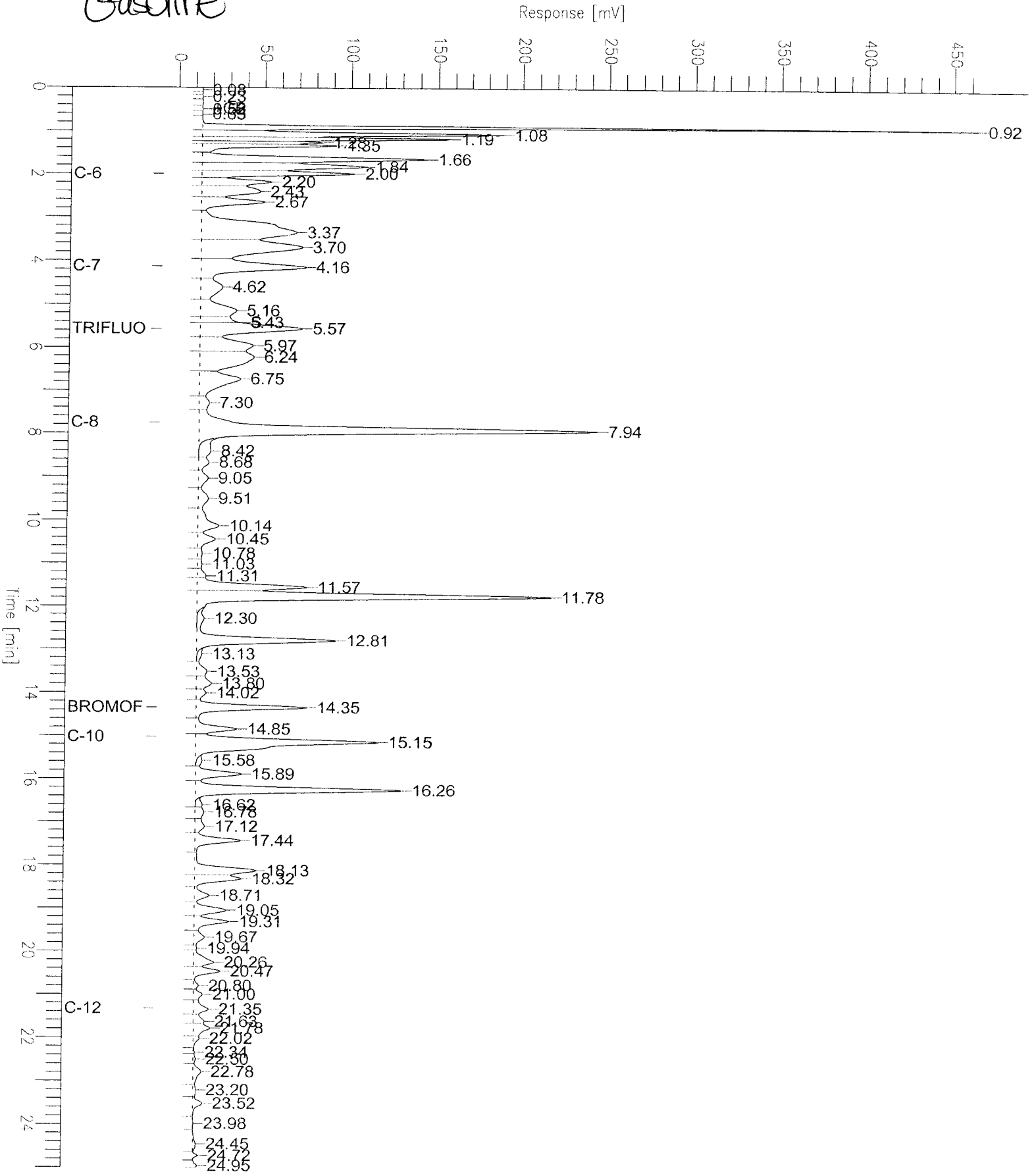


Chromatogram

Sample Name : ccv/lcs,qc314872,107205,s1762,5/5000
FileName : G:\GC05\DATA\303G002.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -9 mV

Sample #: Page 1 of 1
Date : 10/31/05 09:06 AM
Time of Injection: 10/30/05 04:53 AM
Low Point : -9.07 mV High Point : 463.64 mV
Plot Scale: 472.7 mV

Gasoline



Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC314872	Batch#:	107205
Matrix:	Water	Analyzed:	10/30/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,749	87	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	62-141
Bromofluorobenzene (FID)	118	78-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	CPT-2(13-18)	Batch#:	107205
MSS Lab ID:	182815-004	Sampled:	10/27/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	10/30/05
Diln Fac:	1.000		

Type: MS Lab ID: QC314924

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	56.24	2,000	1,878	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	62-141
Bromofluorobenzene (FID)	127	78-134

Type: MSD Lab ID: QC314925

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,900	92	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	62-141
Bromofluorobenzene (FID)	131	78-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107306
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Prepared:	11/01/05

Field ID:	CPT-1(17-22)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/07/05
Lab ID:	182815-001	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	70	60-135

Field ID:	CPT-1(35-40)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/07/05
Lab ID:	182815-002	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	53 *	60-135

Field ID:	CPT-1(54-49)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	69	60-135

Field ID:	CPT-2(13-18)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-004	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	75	60-135

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107306
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Prepared:	11/01/05

Field ID:	CPT-2(27-32)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	56 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	81	60-135

Field ID:	CPT-2(69-74)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-006	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	71 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	84	60-135

Field ID:	CPT-3(11-16)	Sampled:	10/26/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-007	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	91	60-135

Field ID:	CPT-3(39-44)	Sampled:	10/26/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-008	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

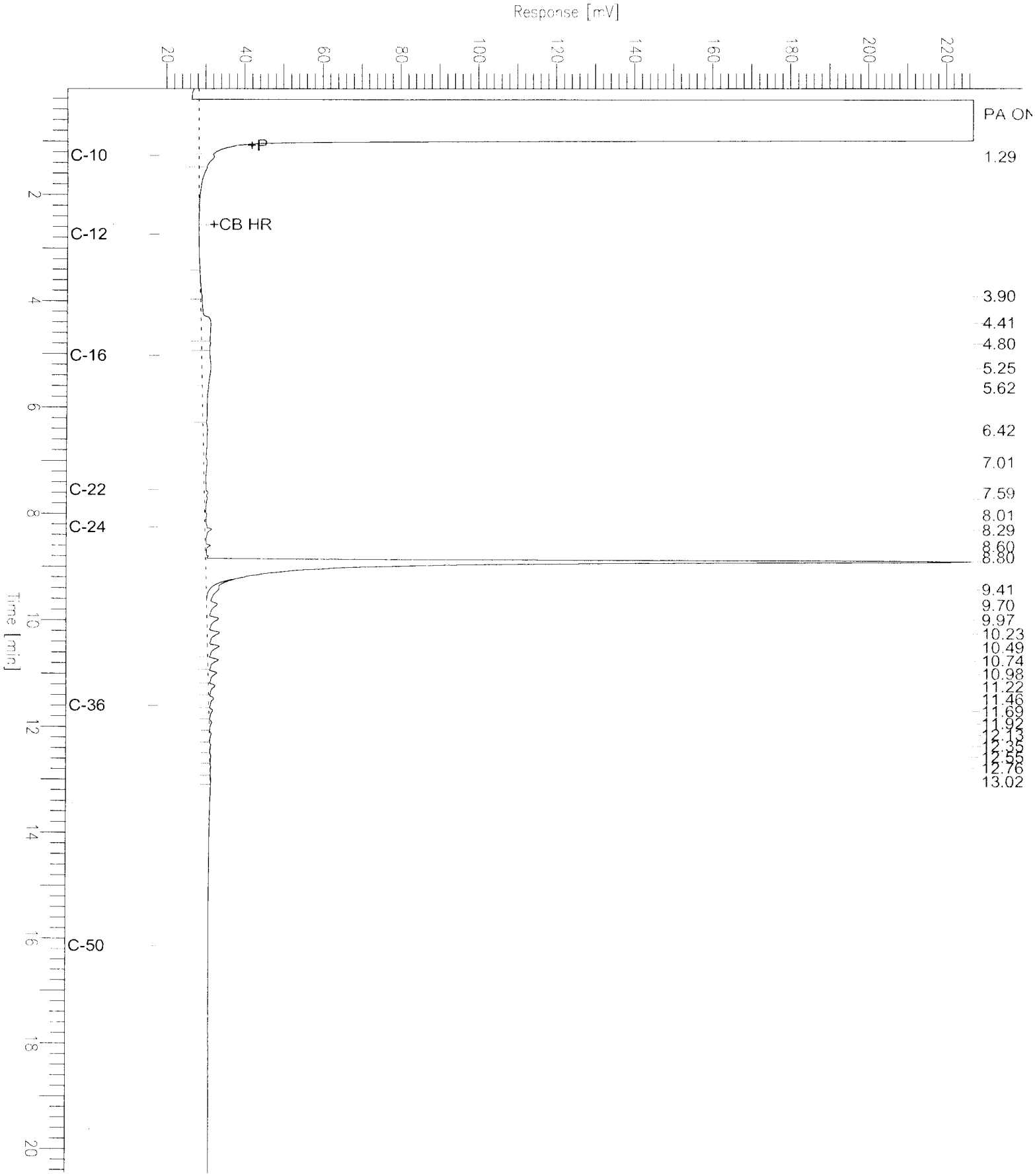
Surrogate	%REC	Limits
Hexacosane	96	60-135

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 182815-005sg,107306
FileName : G:\GC11\CHA\306A099.RAW
Method : ATEH306S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 18 mV

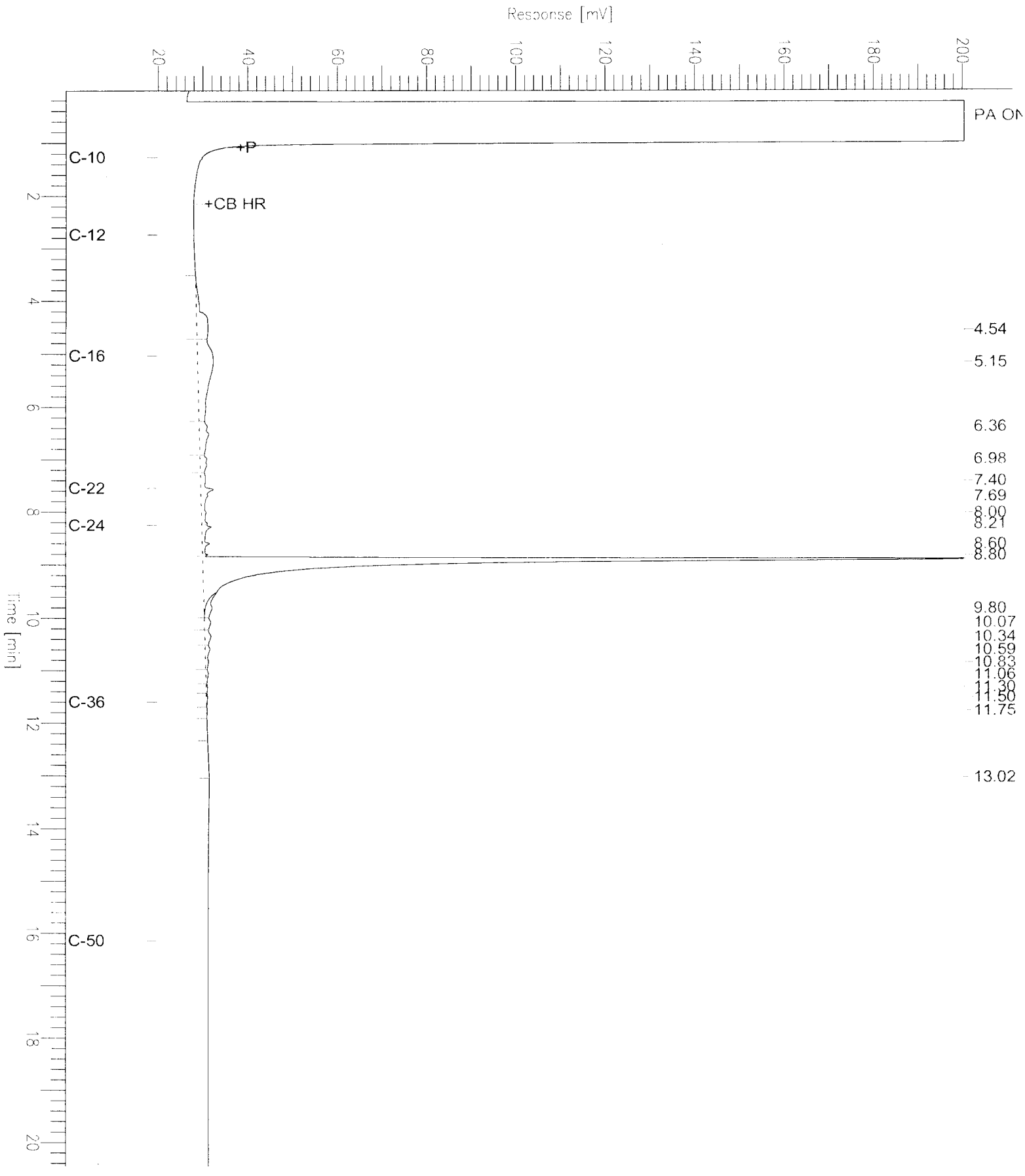
Sample #: 107306 Page 1 of 1
Date : 11/5/05 12:51 PM
Time of Injection: 11/4/05 08:07 PM
Low Point : 18.08 mV High Point : 226.94 mV
Plot Scale: 208.9 mV



Chromatogram

Sample Name : 182815-006sg,107306
FileName : G:\GC11\CHA\306A100.RAW
Method : ATEH306S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 20 mV

Sample #: 107306 Page 1 of 1
Date : 11/5/05 12:52 PM
Time of Injection: 11/4/05 08:37 PM
Low Point : 19.68 mV High Point : 200.40 mV
Plot Scale: 180.7 mV



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107306
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Prepared:	11/01/05

Field ID:	CPT-3(58-63)	Sampled:	10/26/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-009	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	80	60-135

Field ID:	CPT-4(15-20)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-010	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	76	60-135

Field ID:	CPT-4(30-35)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-011	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	65	60-135

Field ID:	CPT-4(52-57)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/04/05
Lab ID:	182815-012	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	93	60-135

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107306
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Prepared:	11/01/05

Field ID:	CPT-5(19-24)	Sampled:	10/26/05
Type:	SAMPLE	Analyzed:	11/07/05
Lab ID:	182815-013	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	50 *	60-135

Field ID:	CPT-5(56-61)	Sampled:	10/26/05
Type:	SAMPLE	Analyzed:	11/05/05
Lab ID:	182815-014	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	59 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	83	60-135

Field ID:	CPT-6(15-20)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/05/05
Lab ID:	182815-015	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	82	60-135

Field ID:	CPT-6(31-36)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/05/05
Lab ID:	182815-016	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	74	50
Motor Oil C24-C36	ND	300

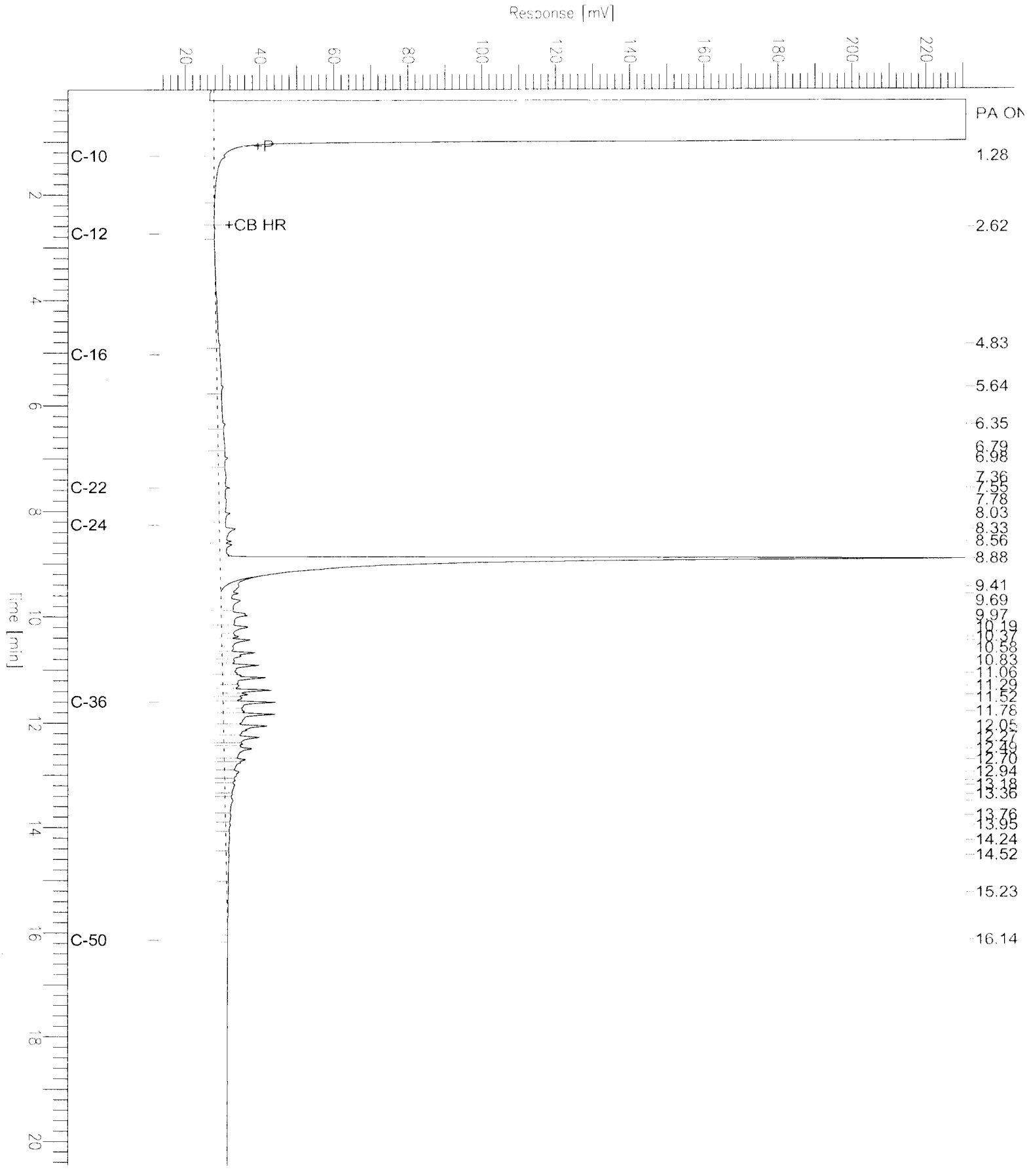
Surrogate	%REC	Limits
Hexacosane	87	60-135

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 182815-014sg,107306
FileName : G:\GC11\CHA\306A112.RAW
Method : ATEH306S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 13 mV

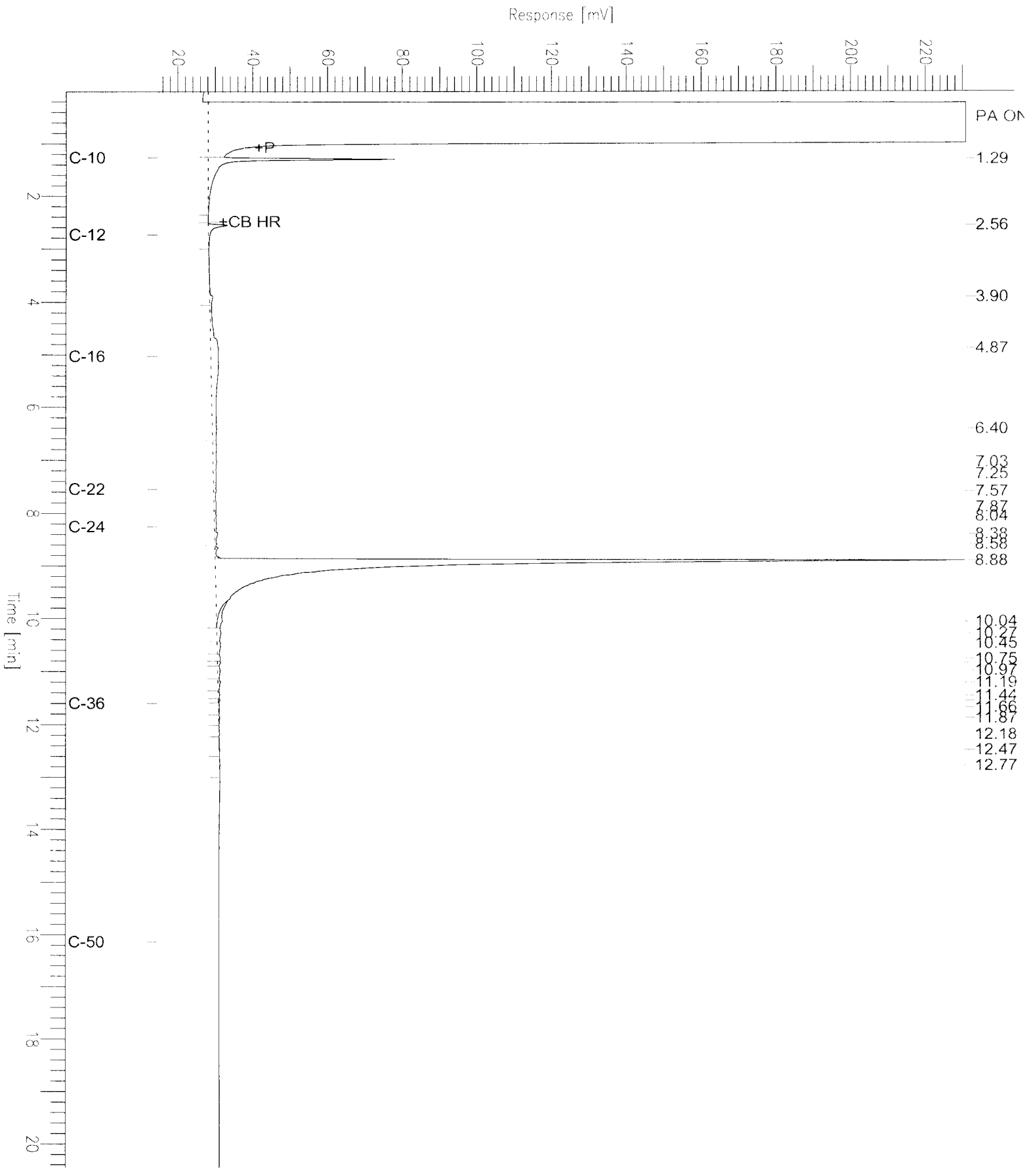
Sample #: 107306 Page 1 of 1
Date : 11/5/05 12:57 PM
Time of Injection: 11/5/05 02:31 AM
Low Point : 12.83 mV High Point : 230.80 mV
Plot Scale: 218.0 mV



Chromatogram

Sample Name : 182815-016sg,107306
FileName : G:\GC11\CHA\306A114.RAW
Method : ATEH306S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 14 mV

Sample #: 107306 Page 1 of 1
Date : 11/5/05 12:58 PM
Time of Injection: 11/5/05 03:30 AM
Low Point : 14.47 mV High Point : 230.87 mV
Plot Scale: 216.4 mV



Chromatogram

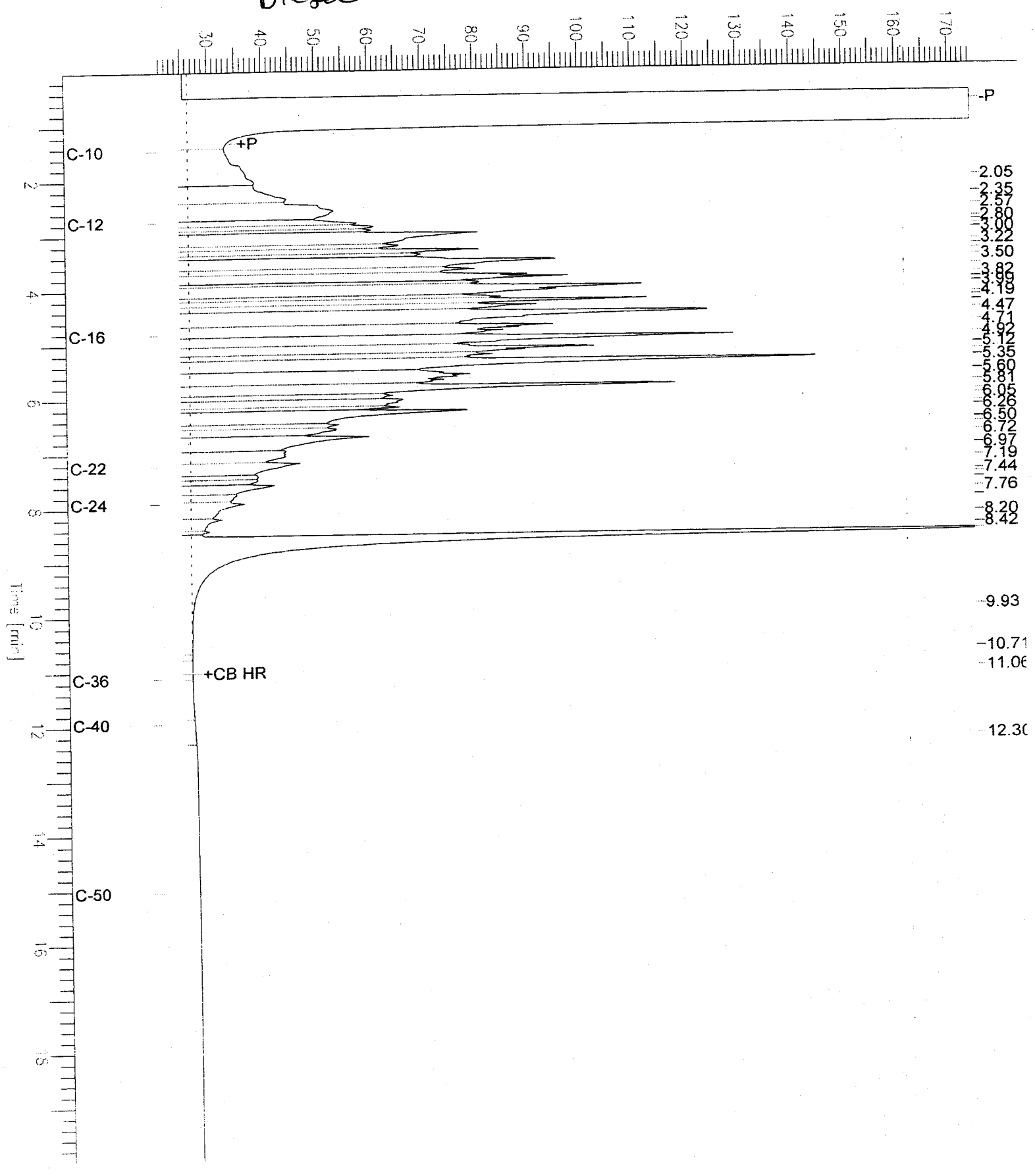
Sample Name : ccv,S1730,dsl
FileName : G:\GC17\CHA\307A004.RAW
Method : ATEH305.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 20 mV

Sample #: 500mg/L
Date : 11/3/05 04:38 PM
Time of Injection: 11/3/05 04:17 PM
Low Point : 20.48 mV
Plot Scale: 153.8 mV

High Point : 174.27 mV

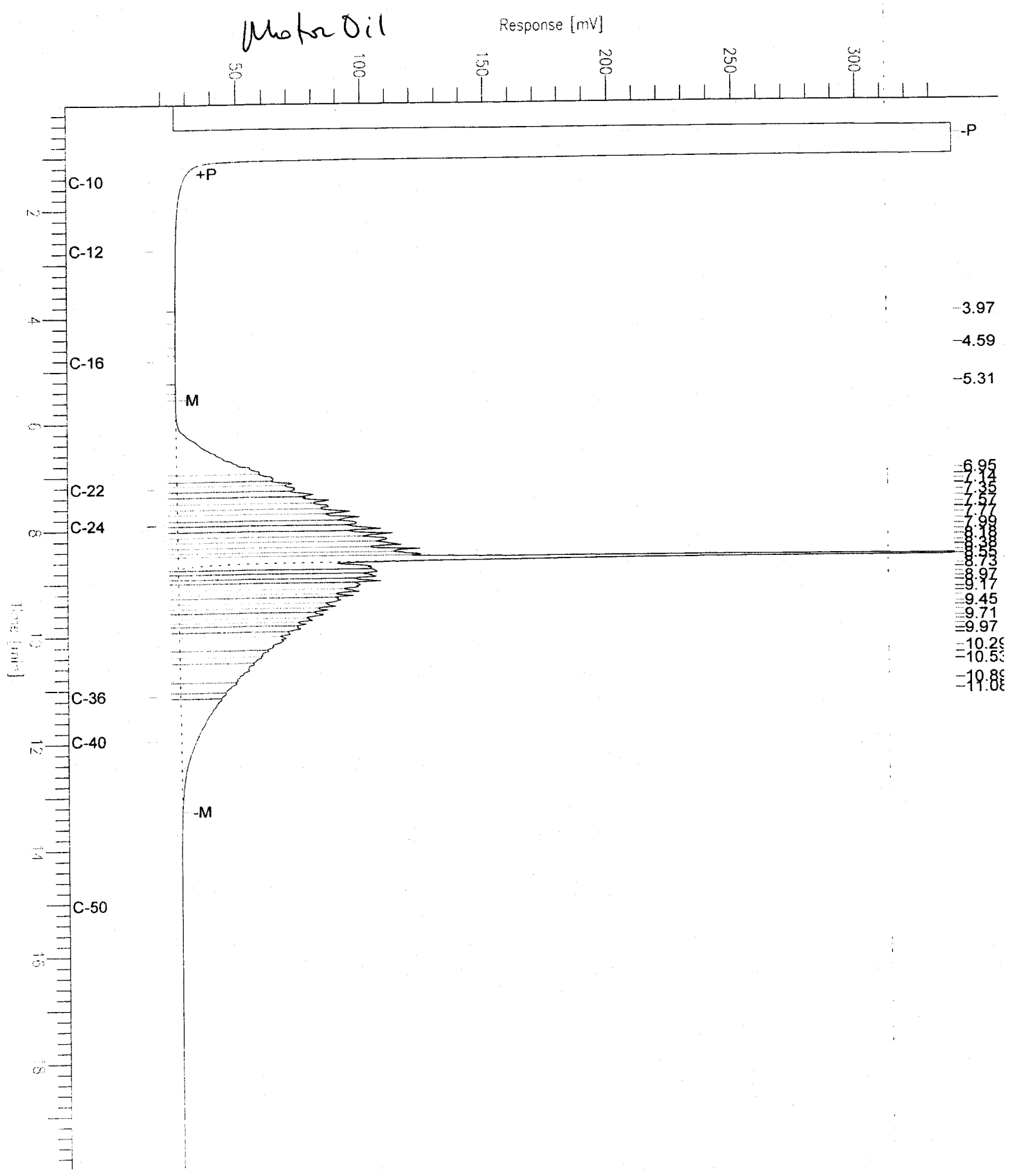
Diesel



Chromatogram

Sample Name : ccv,S1710,mo
FileName : G:\GC17\CHA\307A005.RAW
Method : ATEH305.MTH
Start Time : 0.01 min
End Time : 19.99 min
Scale Factor: 0.0
Plot Offset: 18 mV

Sample #: 500mg/L
Date : 11/3/05 05:35 PM
Time of Injection: 11/3/05 04:47 PM
Low Point : 17.69 mV
High Point : 339.14 mV
Plot Scale: 321.5 mV



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107306
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000	Prepared:	11/01/05

Field ID:	CPT-6(51-56)	Sampled:	10/27/05
Type:	SAMPLE	Analyzed:	11/05/05
Lab ID:	182815-017	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	76	60-135

Type:	BLANK	Analyzed:	11/03/05
Lab ID:	QC315281	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	85	60-135

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107306
Units:	ug/L	Prepared:	11/01/05
Diln Fac:	1.000	Analyzed:	11/03/05

Type: BS
Lab ID: QC315282
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,395	96	53-138

Surrogate	%REC	Limits
Hexacosane	104	60-135

Type: BSD
Lab ID: QC315283
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,436	97	53-138	2	36

Surrogate	%REC	Limits
Hexacosane	105	60-135

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	10/27/05
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000		

Field ID: CPT-1(17-22) Batch#: 107433
Type: SAMPLE Analyzed: 11/04/05
Lab ID: 182815-001

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	2.4	0.5
Toluene	1.6	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	5.7	0.5
m,p-Xylenes	19	0.5
o-Xylene	7.0	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-121
1,2-Dichloroethane-d4	109	80-125
Toluene-d8	95	80-120
Bromofluorobenzene	105	80-124

Field ID: CPT-1(35-40) Batch#: 107433
Type: SAMPLE Analyzed: 11/04/05
Lab ID: 182815-002

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	0.5	0.5
Toluene	0.8	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	1.3	0.5
m,p-Xylenes	2.8	0.5
o-Xylene	0.7	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-121
1,2-Dichloroethane-d4	111	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	109	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	10/27/05
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000		

Field ID: CPT-1(54-49) Batch#: 107433
Type: SAMPLE Analyzed: 11/04/05
Lab ID: 182815-003

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-121
1,2-Dichloroethane-d4	112	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	103	80-124

Field ID: CPT-2(13-18) Batch#: 107433
Type: SAMPLE Analyzed: 11/04/05
Lab ID: 182815-004

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	2.3	0.5
m,p-Xylenes	12	0.5
o-Xylene	0.7	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-121
1,2-Dichloroethane-d4	109	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	10/27/05
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000		

Field ID: CPT-2(27-32) Batch#: 107433
Type: SAMPLE Analyzed: 11/04/05
Lab ID: 182815-005

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	0.6	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-121
1,2-Dichloroethane-d4	106	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	109	80-124

Field ID: CPT-2(69-74) Batch#: 107297
Type: SAMPLE Analyzed: 11/01/05
Lab ID: 182815-006

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	0.5	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-121
1,2-Dichloroethane-d4	89	80-125
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	10/27/05
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000		

Field ID: CPT-4(15-20) Batch#: 107331
Type: SAMPLE Analyzed: 11/02/05
Lab ID: 182815-010

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	0.8	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	19	0.5
m,p-Xylenes	48	0.5
o-Xylene	16	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-121
1,2-Dichloroethane-d4	108	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-124

Field ID: CPT-4(30-35) Batch#: 107297
Type: SAMPLE Analyzed: 11/01/05
Lab ID: 182815-011

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	1.7	0.5
m,p-Xylenes	6.2	0.5
o-Xylene	1.3	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-121
1,2-Dichloroethane-d4	92	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	101	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	10/27/05
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000		

Field ID: CPT-4(52-57)
Type: SAMPLE
Lab ID: 182815-012

Batch#: 107297
Analyzed: 11/01/05

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	1.1	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-121
1,2-Dichloroethane-d4	99	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-124

Field ID: CPT-6(15-20)
Type: SAMPLE
Lab ID: 182815-015

Batch#: 107297
Analyzed: 11/01/05

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-121
1,2-Dichloroethane-d4	98	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	10/27/05
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000		

Field ID: CPT-6(31-36) Batch#: 107297
Type: SAMPLE Analyzed: 11/01/05
Lab ID: 182815-016

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	102	80-125
Toluene-d8	103	80-120
Bromofluorobenzene	108	80-124

Field ID: CPT-6(51-56) Batch#: 107297
Type: SAMPLE Analyzed: 11/01/05
Lab ID: 182815-017

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-121
1,2-Dichloroethane-d4	102	80-125
Toluene-d8	96	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	10/27/05
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000		

Type: BLANK
Lab ID: QC315246

Batch#: 107297
Analyzed: 11/01/05

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-121
1,2-Dichloroethane-d4	104	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-124

Type: BLANK
Lab ID: QC315379

Batch#: 107331
Analyzed: 11/02/05

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-121
1,2-Dichloroethane-d4	109	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	106	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	10/27/05
Units:	ug/L	Received:	10/27/05
Diln Fac:	1.000		

Type:	BLANK	Batch#:	107433
Lab ID:	QC315801	Analyzed:	11/04/05

Analyte	Result	RL
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	112	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	108	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	107297
Units:	ug/L	Analyzed:	11/01/05
Diln Fac:	1.000		

Type: BS Lab ID: QC315244

Analyte	Spiked	Result	%REC	Limits
1,2-Dichloroethane	25.00	20.62	82	77-120
Benzene	25.00	20.23	81	80-120
Toluene	25.00	20.61	82	80-120
1,2-Dibromoethane	25.00	20.40	82	80-120
Ethylbenzene	25.00	21.33	85	80-120
m,p-Xylenes	50.00	42.53	85	80-121
o-Xylene	25.00	21.97	88	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	103	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-124

Type: BSD Lab ID: QC315245

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,2-Dichloroethane	25.00	22.85	91	77-120	10	20
Benzene	25.00	22.64	91	80-120	11	20
Toluene	25.00	23.03	92	80-120	11	20
1,2-Dibromoethane	25.00	22.39	90	80-120	9	20
Ethylbenzene	25.00	23.54	94	80-120	10	20
m,p-Xylenes	50.00	46.65	93	80-121	9	20
o-Xylene	25.00	24.19	97	80-120	10	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-121
1,2-Dichloroethane-d4	101	80-125
Toluene-d8	102	80-120
Bromofluorobenzene	98	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	107331
Units:	ug/L	Analyzed:	11/02/05
Diln Fac:	1.000		

Type: BS Lab ID: QC315377

Analyte	Spiked	Result	%REC	Limits
1,2-Dichloroethane	25.00	26.07	104	77-120
Benzene	25.00	25.24	101	80-120
Toluene	25.00	26.07	104	80-120
1,2-Dibromoethane	25.00	25.09	100	80-120
Ethylbenzene	25.00	26.90	108	80-120
m,p-Xylenes	50.00	54.44	109	80-121
o-Xylene	25.00	27.38	110	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-121
1,2-Dichloroethane-d4	102	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-124

Type: BSD Lab ID: QC315378

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,2-Dichloroethane	25.00	26.37	105	77-120	1	20
Benzene	25.00	25.22	101	80-120	0	20
Toluene	25.00	25.49	102	80-120	2	20
1,2-Dibromoethane	25.00	25.22	101	80-120	1	20
Ethylbenzene	25.00	26.01	104	80-120	3	20
m,p-Xylenes	50.00	51.96	104	80-121	5	20
o-Xylene	25.00	26.77	107	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	104	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	107433
Units:	ug/L	Analyzed:	11/04/05
Diln Fac:	1.000		

Type: BS Lab ID: QC315799

Analyte	Spiked	Result	%REC	Limits
1,2-Dichloroethane	25.00	26.19	105	77-120
Benzene	25.00	26.81	107	80-120
Toluene	25.00	27.18	109	80-120
1,2-Dibromoethane	25.00	26.07	104	80-120
Ethylbenzene	25.00	29.38	118	80-120
m,p-Xylenes	50.00	58.60	117	80-121
o-Xylene	25.00	29.73	119	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	102	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-124

Type: BSD Lab ID: QC315800

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,2-Dichloroethane	25.00	24.46	98	77-120	7	20
Benzene	25.00	24.63	99	80-120	8	20
Toluene	25.00	25.06	100	80-120	8	20
1,2-Dibromoethane	25.00	23.96	96	80-120	8	20
Ethylbenzene	25.00	25.17	101	80-120	15	20
m,p-Xylenes	50.00	52.26	105	80-121	11	20
o-Xylene	25.00	25.88	104	80-120	14	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-121
1,2-Dichloroethane-d4	104	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-3(11-16)	Batch#:	107433
Lab ID:	182815-007	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
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	0.5
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

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-3(11-16)	Batch#:	107433
Lab ID:	182815-007	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
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	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-121
1,2-Dichloroethane-d4	113	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	108	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-3(39-44)	Batch#:	107433
Lab ID:	182815-008	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
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	0.5
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

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-3(39-44)	Batch#:	107433
Lab ID:	182815-008	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
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	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-121
1,2-Dichloroethane-d4	110	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-3(58-63)	Batch#:	107433
Lab ID:	182815-009	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
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	0.5
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

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-3(58-63)	Batch#:	107433
Lab ID:	182815-009	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
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	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-121
1,2-Dichloroethane-d4	110	80-125
Toluene-d8	102	80-120
Bromofluorobenzene	108	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-5(19-24)	Batch#:	107432
Lab ID:	182815-013	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
Diln Fac:	2.000		

Analyte	Result	RL
Freon 12	ND	2.0
Chloromethane	ND	2.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	2.0
Chloroethane	ND	2.0
Trichlorofluoromethane	ND	2.0
Acetone	ND	20
Freon 113	ND	1.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	1.0
MTBE	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Vinyl Acetate	ND	20
1,1-Dichloroethane	ND	1.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	1.0
2,2-Dichloropropane	ND	1.0
Chloroform	ND	1.0
Bromochloromethane	ND	1.0
1,1,1-Trichloroethane	ND	1.0
1,1-Dichloropropene	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Benzene	ND	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
Dibromomethane	ND	1.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
2-Hexanone	ND	20
1,3-Dichloropropane	ND	1.0
Tetrachloroethene	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-5(19-24)	Batch#:	107432
Lab ID:	182815-013	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
Diln Fac:	2.000		

Analyte	Result	RL
Dibromochloromethane	ND	1.0
1,2-Dibromoethane	ND	1.0
Chlorobenzene	ND	1.0
1,1,1,2-Tetrachloroethane	ND	1.0
Ethylbenzene	ND	1.0
m,p-Xylenes	ND	1.0
o-Xylene	ND	1.0
Styrene	ND	1.0
Bromoform	ND	2.0
Isopropylbenzene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,2,3-Trichloropropane	ND	1.0
Propylbenzene	ND	1.0
Bromobenzene	ND	1.0
1,3,5-Trimethylbenzene	ND	1.0
2-Chlorotoluene	ND	1.0
4-Chlorotoluene	ND	1.0
tert-Butylbenzene	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0
sec-Butylbenzene	ND	1.0
para-Isopropyl Toluene	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
n-Butylbenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0
1,2-Dibromo-3-Chloropropane	ND	4.0
1,2,4-Trichlorobenzene	ND	1.0
Hexachlorobutadiene	ND	1.0
Naphthalene	ND	4.0
1,2,3-Trichlorobenzene	ND	1.0

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-121
1,2-Dichloroethane-d4	93	80-125
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-5(56-61)	Batch#:	107433
Lab ID:	182815-014	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
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	0.5
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

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	CPT-5(56-61)	Batch#:	107433
Lab ID:	182815-014	Sampled:	10/26/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Analyzed:	11/04/05
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	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-121
1,2-Dichloroethane-d4	112	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	109	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC315798	Batch#:	107432
Matrix:	Water	Analyzed:	11/04/05
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	0.5
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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC315798	Batch#:	107432
Matrix:	Water	Analyzed:	11/04/05
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	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-121
1,2-Dichloroethane-d4	99	80-125
Toluene-d8	105	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC315801	Batch#:	107433
Matrix:	Water	Analyzed:	11/04/05
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	0.5
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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC315801	Batch#:	107433
Matrix:	Water	Analyzed:	11/04/05
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	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	2.0	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	112	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	108	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	107432
Units:	ug/L	Analyzed:	11/04/05
Diln Fac:	1.000		

Type: BS Lab ID: QC315796

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	22.53	90	74-124
Benzene	25.00	24.37	97	80-120
Trichloroethene	25.00	24.09	96	79-120
Toluene	25.00	26.15	105	80-120
Chlorobenzene	25.00	25.98	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-121
1,2-Dichloroethane-d4	83	80-125
Toluene-d8	96	80-120
Bromofluorobenzene	99	80-124

Type: BSD Lab ID: QC315797

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	21.17	85	74-124	6	20
Benzene	25.00	25.71	103	80-120	5	20
Trichloroethene	25.00	26.48	106	79-120	9	20
Toluene	25.00	27.12	108	80-120	4	20
Chlorobenzene	25.00	25.72	103	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-121
1,2-Dichloroethane-d4	92	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	94	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	107433
Units:	ug/L	Analyzed:	11/04/05
Diln Fac:	1.000		

Type: BS Lab ID: QC315799

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	28.59	114	74-124
Benzene	25.00	26.81	107	80-120
Trichloroethene	25.00	27.91	112	79-120
Toluene	25.00	27.18	109	80-120
Chlorobenzene	25.00	28.76	115	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	102	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-124

Type: BSD Lab ID: QC315800

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	25.44	102	74-124	12	20
Benzene	25.00	24.63	99	80-120	8	20
Trichloroethene	25.00	24.26	97	79-120	14	20
Toluene	25.00	25.06	100	80-120	8	20
Chlorobenzene	25.00	25.07	100	80-120	14	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-121
1,2-Dichloroethane-d4	104	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	182815	Project#:	STANDARD
Client:	SOMA Environmental Engineering Inc.	Location:	5565 Tesla Rd.
Field ID:	CPT-3(11-16)	Diln Fac:	1.000
Lab ID:	182815-007	Sampled:	10/26/05
Matrix:	Filtrate	Received:	10/27/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	60	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Barium	210	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Chromium	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cobalt	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Copper	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Lead	ND	3.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Mercury	0.27	0.20	107305	11/01/05	11/01/05	METHOD	EPA 7470A
Molybdenum	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Nickel	26	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Selenium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Silver	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Thallium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Vanadium	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Zinc	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	182815	Project#:	STANDARD
Client:	SOMA Environmental Engineering Inc.	Location:	5565 Tesla Rd.
Field ID:	CPT-3(39-44)	Diln Fac:	1.000
Lab ID:	182815-008	Sampled:	10/26/05
Matrix:	Filtrate	Received:	10/27/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	60	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Barium	160	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Chromium	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cobalt	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Copper	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Lead	ND	3.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Mercury	0.25	0.20	107305	11/01/05	11/01/05	METHOD	EPA 7470A
Molybdenum	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Nickel	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Selenium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Silver	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Thallium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Vanadium	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Zinc	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	182815	Project#:	STANDARD
Client:	SOMA Environmental Engineering Inc.	Location:	5565 Tesla Rd.
Field ID:	CPT-3(58-63)	Diln Fac:	1.000
Lab ID:	182815-009	Sampled:	10/26/05
Matrix:	Filtrate	Received:	10/27/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	60	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Barium	55	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Chromium	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cobalt	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Copper	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Lead	ND	3.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Mercury	ND	0.20	107305	11/01/05	11/01/05	METHOD	EPA 7470A
Molybdenum	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Nickel	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Selenium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Silver	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Thallium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Vanadium	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Zinc	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	182815	Project#:	STANDARD
Client:	SOMA Environmental Engineering Inc.	Location:	5565 Tesla Rd.
Field ID:	CPT-5(19-24)	Diln Fac:	1.000
Lab ID:	182815-013	Sampled:	10/26/05
Matrix:	Filtrate	Received:	10/27/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	60	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Arsenic	43	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Barium	11	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Chromium	24	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cobalt	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Copper	46	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Lead	ND	3.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Mercury	0.61	0.20	107305	11/01/05	11/01/05	METHOD	EPA 7470A
Molybdenum	59	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Nickel	28	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Selenium	6.4	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Silver	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Thallium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Vanadium	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Zinc	48	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	182815	Project#:	STANDARD
Client:	SOMA Environmental Engineering Inc.	Location:	5565 Tesla Rd.
Field ID:	CPT-5(56-61)	Diln Fac:	1.000
Lab ID:	182815-014	Sampled:	10/26/05
Matrix:	Filtrate	Received:	10/27/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	60	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Barium	210	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Chromium	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Cobalt	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Copper	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Lead	ND	3.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Mercury	ND	0.20	107305	11/01/05	11/01/05	METHOD	EPA 7470A
Molybdenum	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Nickel	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Selenium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Silver	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Thallium	ND	5.0	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Vanadium	ND	10	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B
Zinc	ND	20	107257	10/31/05	10/31/05	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC315088	Batch#:	107257
Matrix:	Water	Prepared:	10/31/05
Units:	ug/L	Analyzed:	10/31/05

Analyte	Result	RL
Antimony	ND	60
Arsenic	ND	5.0
Barium	ND	10
Beryllium	ND	2.0
Cadmium	ND	5.0
Chromium	ND	10
Cobalt	ND	20
Copper	ND	10
Lead	ND	3.0
Molybdenum	ND	20
Nickel	ND	20
Selenium	ND	5.0
Silver	ND	5.0
Thallium	ND	5.0
Vanadium	ND	10
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	107305
Lab ID:	QC315274	Prepared:	11/01/05
Matrix:	Water	Analyzed:	11/01/05
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

11.0

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Water	Batch#:	107257
Units:	ug/L	Prepared:	10/31/05
Diln Fac:	1.000	Analyzed:	10/31/05

Type: BS Lab ID: QC315089

Analyte	Spiked	Result	%REC	Limits
Antimony	500.0	504.1	101	79-120
Arsenic	100.0	106.8	107	80-124
Barium	2,000	1,981	99	80-120
Beryllium	50.00	52.95	106	80-120
Cadmium	50.00	54.29	109	80-120
Chromium	200.0	205.3	103	80-120
Cobalt	500.0	501.1	100	80-120
Copper	250.0	241.0	96	80-120
Lead	100.0	102.2	102	76-124
Molybdenum	400.0	425.3	106	80-120
Nickel	500.0	516.0	103	80-120
Selenium	100.0	110.1	110	70-131
Silver	50.00	47.95	96	80-120
Thallium	100.0	106.0	106	71-129
Vanadium	500.0	519.5	104	80-120
Zinc	500.0	538.5	108	80-120

Type: BSD Lab ID: QC315090

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	519.4	104	79-120	3	20
Arsenic	100.0	109.8	110	80-124	3	20
Barium	2,000	2,038	102	80-120	3	20
Beryllium	50.00	54.76	110	80-120	3	20
Cadmium	50.00	55.96	112	80-120	3	20
Chromium	200.0	210.9	105	80-120	3	20
Cobalt	500.0	518.4	104	80-120	3	20
Copper	250.0	249.0	100	80-120	3	20
Lead	100.0	103.8	104	76-124	2	20
Molybdenum	400.0	435.9	109	80-120	2	20
Nickel	500.0	531.9	106	80-120	3	20
Selenium	100.0	111.3	111	70-131	1	21
Silver	50.00	49.25	99	80-120	3	20
Thallium	100.0	108.5	108	71-129	2	20
Vanadium	500.0	535.6	107	80-120	3	20
Zinc	500.0	554.4	111	80-120	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	107257
MSS Lab ID:	182813-001	Sampled:	10/27/05
Matrix:	Water	Received:	10/27/05
Units:	ug/L	Prepared:	10/31/05
Diln Fac:	1.000	Analyzed:	10/31/05

Type: MS Lab ID: QC315091

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<3.639	500.0	486.4	97	67-126
Arsenic	1.530	100.0	102.7	101	68-141
Barium	0.6578	2,000	1,909	95	80-120
Beryllium	<0.2089	50.00	51.16	102	80-120
Cadmium	<0.5500	50.00	52.01	104	80-120
Chromium	<0.5564	200.0	198.5	99	80-120
Cobalt	<0.4605	500.0	484.7	97	80-120
Copper	<0.7122	250.0	232.4	93	78-121
Lead	1.930	100.0	97.99	96	61-135
Molybdenum	1.778	400.0	409.3	102	70-120
Nickel	<0.9182	500.0	496.9	99	77-120
Selenium	<1.575	100.0	104.2	104	56-145
Silver	<1.403	50.00	46.36	93	72-124
Thallium	1.094	100.0	101.7	101	51-138
Vanadium	0.4479	500.0	501.4	100	80-120
Zinc	<1.533	500.0	519.9	104	75-124

Type: MSD Lab ID: QC315092

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	513.8	103	67-126	5	20
Arsenic	100.0	110.0	108	68-141	7	25
Barium	2,000	2,016	101	80-120	5	20
Beryllium	50.00	54.06	108	80-120	5	20
Cadmium	50.00	55.02	110	80-120	6	20
Chromium	200.0	209.7	105	80-120	6	20
Cobalt	500.0	512.2	102	80-120	6	20
Copper	250.0	245.9	98	78-121	6	20
Lead	100.0	104.1	102	61-135	6	23
Molybdenum	400.0	434.2	108	70-120	6	20
Nickel	500.0	525.9	105	77-120	6	20
Selenium	100.0	109.7	110	56-145	5	32
Silver	50.00	49.14	98	72-124	6	20
Thallium	100.0	107.8	107	51-138	6	31
Vanadium	500.0	530.9	106	80-120	6	20
Zinc	500.0	549.2	110	75-124	5	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	107305
Matrix:	Water	Prepared:	11/01/05
Units:	ug/L	Analyzed:	11/01/05
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC315275	5.000	4.570	91	80-120		
BSD	QC315276	5.000	4.670	93	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	182815	Location:	5565 Tesla Rd.
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	107305
Field ID:	ZZZZZZZZZZ	Sampled:	10/31/05
MSS Lab ID:	182865-001	Received:	10/31/05
Matrix:	Water	Prepared:	11/01/05
Units:	ug/L	Analyzed:	11/01/05
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC315277	0.7790	5.000	5.760	100	77-121		
MSD	QC315278		5.000	5.890	102	77-121	2	20

RPD= Relative Percent Difference