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Weiss Associates *Environmental Science, Engineering and Management*

*350 E. Middlefield Road, Mountain View, CA 94043-4004 Fax: 650-968-7034 Phone: **650-968-7000***

TRANSMITTAL

TO:	Mr. Barney Chan	**DATE:**	March 2, 2006
COMPANY:	Hazardous Materials Specialist Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502	**PROJECT #:**	184-1761-1
FROM:	L. Maile Smith, 650.968.7000	**PHONE:** **FAX:**	

ENCLOSED PLEASE FIND: **SITE CHARACTERIZATION REPORT**

2006 MAR -6 PM 4:05

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COMMENTS:

Dear Mr. Chan –

This transmittal accompanies the Site Characterization Report for McGrath Steel Company.

Please feel welcome to contact me at (650) 968-7000 should you have any questions or comments regarding the enclosed document.

Thanks!

Maile

lms@weiss.com
slb@weiss.com

Alameda County
MAR 07 2006
Environmental Health

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McGrath Steel Company

REINFORCING STEEL BARS

CA. LICENSE # 161512
6655 HOLLIS STREET • EMERYVILLE • CALIFORNIA 94608
P.O. BOX 8036 • EMERYVILLE • CALIFORNIA 94662

TEL. (510) 596-2400 • FAX (510) 658 6910 • FAX (510) 652-5510

March 2, 2006

Barney Chan
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Site Characterization Report
McGrath Steel Company
6655 Hollis Street
Emeryville, California
Fuel Leak Case RO0000063

Dear Mr. Chan:

Please find enclosed the characterization report for the above-referenced site, as requested by the Alameda County Health Care Services Agency.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any comments or questions concerning the contents of this report, please contact me at (510) 596-2410.

Sincerely,

Jon Braden
President

Enclosures: Report

cc: L. Maile Smith, Weiss Associates

Weiss Associates *Environmental Science, Engineering and Management*

350 E. Middlefield Road, Mountain View, CA 94043-4004 *Fax: 650-968-7034 Phone: 650-968-7000*

March 2, 2006

Mr. Jon Braden, President
McGrath Steel
6655 Hollis Street
Emeryville, CA 94608

RE: **Site Characterization Report**
McGrath Steel Company
6655 Hollis Street
Emeryville, California
Fuel Leak Case RO0000063
Weiss Project No. 184-1761-1

Dear Mr. Braden:

On behalf of McGrath Steel, owner of the property at 6655 Hollis Street in Emeryville, California (the Site; Figure 1), Weiss Associates (Weiss) has prepared this site characterization report as requested in the Alameda County Health Care Services (ACHCS) letters to McGrath Steel Company dated September 19, 2005, June 30, 2005, and August 4, 2004[1]. The objective of site characterization and investigation activities was to determine if petroleum hydrocarbons have impacted soil or ground water near the former underground storage tanks (USTs) at the Site.

Background

In late 1994, Clearprint Paper Company removed four USTs from their facility at 1482 67th Street in Emeryville, across the street and downgradient from the McGrath warehouse[2]. The former USTs, located under the sidewalk between the Clearprint facility and 67th Street, were used to store solvents and mineral oil. During the UST removal and in a subsequent 1995 investigation, total petroleum hydrocarbons as gasoline (TPH-G) and diesel (TPH-D), and benzene, toluene, ethylbenzene, and total xylenes (BTEX) were detected in soil samples collected from the UST

[1] September 19, 2005 letter from Barney M. Chan, ACHCS, to Jon Braden, McGrath Steel Company, Re: Fuel Leak Case RO0000063, McGrath Steel Company, 6655 Hollis Street, Oakland, California, 94608;

June 30, 2005 letter from Barney M. Chan, ACHCS, to Jon Braden, McGrath Steel Company, Re: Fuel Leak Case RO0000063, McGrath Steel Company, 6655 Hollis Street, Oakland, California, 94608;

August 4, 2004 letter from Barney M. Chan, ACHCS, to Robert Thomas, McGrath Steel Company, Re: Fuel Leak Case RO0000063, McGrath Steel Company, 6655 Hollis Street, Oakland, California, 94608, re-submitted on July 15, 2005 to Mr. Jon Braden, McGrath Steel Company.

[2] Environmental Strategies Corporation, 1995, Supplemental Investigation of the Former Underground Storage Tank Area, consultant's report prepared for Clearprint Paper Company, Emeryville, California, December 14, 1995.

excavation sidewalls and bottoms and from several onsite and offsite soil borings. Three monitoring wells—MW-1, MW-2, and MW-3—were installed during the 1995 investigation as well. TPH-G, TPH-D, and BTEX compounds were detected in ground water samples from wells MW-1 (Clearprint source area) and MW-3 (upgradient of the Clearprint site). Only TPH-D was detected in ground water sampled from well MW-2.

In July 1996, McGrath Steel removed two 2,000-gallon USTs from beneath the 67th Street sidewalk adjacent to the McGrath property near the southwest intersection of 67th and Hollis Streets. The USTs were used to store unleaded gasoline and diesel. Petroleum hydrocarbons were detected in analyses of confirmatory soil samples collected from the initial UST pits and from the subsequent over-excavation. Due to the positive confirmation sample results and because of the potentially large number of other hydrocarbon sources in the vicinity[3], ACHCS subsequently requested a ground water investigation workplan to determine the extent of the McGrath UST petroleum hydrocarbon impact to soil and/or ground water.

On May 20, 1998, Weiss drilled three boreholes (B-1 cross-gradient, B-2 upgradient, and B-5 downgradient) near the location of the former USTs[4]. Petroleum hydrocarbons were detected only in soil samples collected from boring B-5 at a depth of 12 feet below ground surface (ft bgs). TPH-G was detected at a concentration of 27 parts per million (ppm), TPH-D was detected at 2.8 ppm, benzene was detected at 0.28 ppm, toluene was detected at 0.6 ppm, total xylenes was detected at 0.49 ppm, and methyl tertiary butyl ether (MTBE) was detected at 3.8 ppm. Petroleum hydrocarbons were detected in ground water samples collected from borings B-1, B-2, and B-5 at maximum concentrations of 270 ppm of TPH-G, 1.6 ppm TPH-D, and 59 ppm MTBE. Also detected were 21 ppm, 34 ppm, 6 ppm, and 36 ppm (respectively) of benzene, toluene, ethylbenzene, and total xylenes (BTEX).

In September 1999, Weiss proposed to further delineate the extent of dissolved petroleum hydrocarbons in ground water downgradient from the former USTs by installing a ground water monitoring well. It is assumed that the workplan was not approved by the ACHCS and that the proposed Site characterization work was not conducted. A revised site characterization workplan was submitted to the ACHCS on August 26, 2005, and approved by the ACHCS (with additional requests) on September 19, 2005.

ACHCS confirmed the completion of site investigations and remedial actions at the Clearprint site and requested closure of the site on June 27, 2005. Two of Clearprint's monitoring wells—MW-1 and MW-2—were destroyed on June 22, 2005 as part of case closure activities requested by ACHCS. In their June 30, 2005 letter to McGrath Steel, the ACHCS requested that McGrath Steel incorporate Clearprint monitoring well MW-3 into its ground water monitoring program. Two ground water monitoring events have since been conducted by McGrath at well MW-3, in August and December 2005.

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[3] A 1995 regulatory database search confirmed at least 48 leaking UST sites within a half-mile radius of the Clearprint and McGrath facilities, seven having impacted ground water with TPH-G and three having impacted ground water with TPH-D. Neither the Clearprint nor the McGrath facility was included in the list of 48 sites.

[4] Per the Weiss Subsurface Investigation Report dated August 5, 1998, only three of seven proposed boreholes for the 1998 investigation were drilled due to adverse field conditions and schedule restraints.

Objective

The project objective is to determine the extent of petroleum hydrocarbons in soil and ground water near the former USTs at the Site, if present. It is our understanding that this work must be performed in order to progress toward Site closure.

Investigation Strategy

The August 26, 2005 site characterization workplan proposed to delineate the extent of any dissolved hydrocarbons in ground water with the collection and analysis of soil and ground water samples collected from six temporary borings. One boring was proposed adjacent to the former USTs (B-8), and because of the potentially large number of other hydrocarbon sources in the vicinity, one boring (B-9) was recommended cross-gradient of the former USTs, near the south side of 67th Street. Two borings were proposed cross-gradient of former soil boring B-5 (B-10 on the north side of 67th Street and B-11 on the sidewalk adjacent to the northwest corner of the McGrath warehouse). Two borings were proposed cross- and downgradient of boring B-5 (B-12 on the north side and B-13 on the south side of 67th Street), to delineate the downgradient edge of dissolved hydrocarbons in ground water. In addition, in its September 19, 2005 letter approving the workplan, the ACHCS requested a seventh boring located adjacent to the McGrath warehouse (B-14, slightly downgradient of the former USTs and cross-gradient of well MW-3). In this letter the ACHCS also requested a limited local conduit study and TPH as mineral spirits (TPH-MS) analysis of samples collected from the two borings adjacent to the former Clearprint site (B-10 and B-12). Figure 2 depicts the approximate locations of the 2005 and previous borings.

Summary of Field Activities

Prior to field work, Weiss completed the following tasks:

- Prepared a Site-specific health and safety plan based on the Weiss Corporate Health and Safety Plan and Site-specific parameters (i.e. previous sampling results);
- Obtained borehole drilling permits from Alameda County Public Works Agency;
- Obtained an encroachment permit from the City of Emeryville Department of Public Works; and,
- Contacted Underground Service Alert (USA).

In addition, on December 9, 2005 Cruz Brothers of Scotts Valley, California, a private underground line locating company, conducted a subsurface utility survey to clear the proposed borehole locations. Copies of the drilling and encroachment permits are included as Attachment A.

Borehole Drilling and Subsurface Sampling

Weiss subcontracted EnProb Environmental Probing of Orville, California, a state-licensed drilling contractor, to drill the seven proposed soil borings. The boreholes were drilled on December 20 and 21, 2005 using a Geoprobe direct-push drill rig. The down-hole drilling equipment was

steam-cleaned prior to arrival onsite and at the completion of work. Between borings, the equipment was washed in an Alconox/water solution. Upon completion of the field work, the boreholes were tremie grouted from the bottom of the boring to the surface with a 3% to 5% bentonite/cement grout and the surface restored using like material (e.g. concrete or asphalt). A Weiss engineer supervised all drilling activity, logged the boreholes, and collected the environmental samples.

Soil cores were collected continuously in four-foot runs by hydraulically advancing a two-inch diameter steel sampler lined with a polyethylene tube. The recovered soil cores were visually screened by the field engineer for indications of contamination. Soil samples were collected by cutting the sample tube at the desired location and capping the ends with Teflon sheets and tight-fitting plastic end caps. The soil samples were labeled and placed in cooler with ice for later transport to the analytical laboratory. The soil cores were logged in the field using the Unified Soil Classification System (USCS). Boring logs are included as Attachment B. Cross-sections depicting subsurface lithology are included as Figure 3.

Ground water was encountered in the borings between 9.22 feet and 16.31 feet below ground surface (ft bgs). Ground water in sufficient quantities for sampling was generally quite slow to enter the borings (e.g., 15 minutes to over an hour), likely due to the widespread local presence of low permeability sediments. Several borings were drilled deeper than the anticipated depth to ground water in order to allow sufficient water to enter the boring. For example, no ground water was present in boring B-10 at 15 ft bgs, so the boring was advanced to 22 ft bgs, a temporary casing was left in the hole, and after two hours the water level had risen to 9.22 ft bgs. Based on historic and recent water levels measured in nearby monitoring wells, the local water table is typically located at approximately 11 ft to 15 ft bgs. On December 20, the static water level in well MW-3 was 10.82 ft below top-of-casing.

A grab ground water sample was collected from each boring using disposable polyethylene tubing and decanting the water into clean sample containers supplied by the analytic laboratory. Ground water samples were also collected from monitoring well MW-3. Excess soil cuttings and ground water were accumulated in a 10-gallon and 55-gallon drum, respectively, and temporarily stored at the McGrath Steel facility pending profiling for disposal.

All soil and ground water samples were submitted under standard chain-of-custody procedures to Curtis and Tompkins Ltd. (C&T) of Berkeley, California, a state-certified analytical laboratory. All samples were analyzed for TPH-D, TPH-G, BTEX, MTBE, tert-amyl methyl ether (TAME), ethyl tert-butyl ether (ETBE), di-isopropyl ether (DIPE), tert-butyl alcohol (TBA), ethylene dibromide (EDB), and ethylene dichloride (EDC) using United States Environmental Protection Agency (USEPA) Methods 8015 modified, 8021B, and 8260B. In addition, soil and ground water samples from borings B-10 and B-12 were analyzed for TPH-MS. Table 1 summarizes the samples collected in December 2005.

Sample Results

Soil

TPH-D was detected in all soil samples collected, at concentrations ranging from 1.7 ppm to 340 ppm. Except in samples from boring B-8, all TPH-D results were qualified by C&T as exhibiting a chromatographic pattern that does not resemble their diesel standard, and lighter or

heavier hydrocarbons contributed to the TPH-D quantitation for most samples. TPH-G and BTEX compounds were detected in soil samples collected from all borings except upgradient boring B-9, including shallow soil samples (<6 ft bgs) collected from the unsaturated zone in borings B-8, B-12, B-13, and B-14. TPH-MS was detected in borings B-10 at 10 ft bgs and B-12 at 5 ft and 11 ft bgs, although the lab qualified all TPH-MS results as resembling the TPH-G standard more than the TPH-MS standard.

No samples contained TPH-D in excess of the 500 ppm Environmental Screening Level[5] (ESL) for middle distillates in commercial or industrial soils, and except for sample B-13-15, no samples exceeded the 400 ppm TPH-G ESL. The 0.38 ppm shallow soil ESL for benzene was exceeded in samples B-12-5 and B-14-5, and the 0.51 ppm deep soil ESL for benzene was exceeded in samples B-8-10, B-11-10, B-13-15, B-14-10, and B-14-15. MTBE was detected above the 5.60 ppm ESL in sample B-14-5, and the 9.29 ppm toluene ESL and the 11.31 ppm total xylenes ESL were exceeded in sample B-13-15. However, soil sample B-13-15 (as well as samples B-10-15, B-11-14, and B-14-16) was likely collected from below the water table and results probably account for constituents in ground water and sorbed to the soil matrix. Samples collected from 10 ft bgs may also represent saturated conditions. Therefore, the soil ESLs may not be applicable to these samples.

Ground Water

TPH-D, TPH-G, MTBE, and BTEX compounds were detected in ground water samples collected from all borings, including upgradient boring B-9 (Figure 4). Except in the sample from boring B-8, all TPH-D results were qualified by C&T as exhibiting a chromatographic pattern that does not resemble their diesel standard, and lighter hydrocarbons contributed to the TPH-D quantitation for all samples. TPH-MS was detected in water samples collected from borings B-10 and B-12. In both samples the results were flagged by the lab as resembling the TPH-G standard more than the TPH-MS standard, and values were similar to the concentrations of TPH-G positively detected in the samples.

The December 2005 grab ground water sample results are compared to the ESL for ground water where it is not a current or potential drinking water resource. The *"East Bay Plain Groundwater Basin Beneficial Use Evaluation Report"*[6] shows the Site in Zone B, ground water that is unlikely to be used as a drinking water resource, due to "limiting factors related to yield and water quality". Ground water in coastal areas often contains levels of dissolved solids that make the water unsuitable as a potential source of drinking water. Ground water ESLs are the lowest (i.e. most conservative) of the ground water criteria developed to address potential ground water migration to surface water, vapor intrusion, and nuisance concerns[5]. Except for MTBE (which is a nuisance concern), the ESLs for the chemicals of concern at the Site are all based on the aquatic habitat goal. Given that the Site is approximately 1,500 ft from the nearest surface water (Berkeley Aquatic Park) and approximately 2,000 ft from San Francisco Bay, the small length of the plume (roughly 200 ft), the low-permeability subsurface lithology, and the probability of chemical attenuation during plume migration, actual impacts to downgradient aquatic receptors or their habitat is very unlikely.

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[5] Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, prepared by the San Francisco Bay Regional Water Quality Control Board, Interim Final, February 2005.

[6] East Bay Plain Groundwater Basin Beneficial Use Evaluation Report, Alameda and Contra Costa Counties, California, prepared by San Francisco Bay Regional Water Quality Control Board Groundwater Committee, June 1999.

The ground water ESLs for TPH-D (middle distillates), TPH-G, and BTEX were exceeded in the sample collected from well MW-3 and in the samples collected from borings B-11, B-12, B-13, and B-14. The ground water ESLs for TPH-D (0.64 ppm), TPH-G (0.5 ppm), benzene (0.046 ppm), ethylbenzene (0.29 ppm), and xylenes (0.1 ppm) were exceeded in the sample collected from boring B-8. The ground water ESLs for TPH-D and TPH-G were exceeded in the sample collected from boring B-9. The ground water ESLs for TPH-G and xylenes were exceeded in the sample collected from boring B-10. The ground water ESL for MTBE (1.8 ppm) was exceeded in the samples collected from B-14 and well MW-3. The 6.4 ppm benzene ground water ESL for evaluation of potential vapor intrusion concerns (for low to moderate permeability vadose zone soils) was exceeded in samples from B-12 and B-13.

Table 2 and Figure 4 summarize analytical results. The analytic report and chain-of-custody forms are included as Attachment C. Note that grab ground water samples, such as the ones collected from the open borings during this investigation, are not necessarily representative of ambient ground water, and comparison to ground water ESLs should be considered qualitatively and with caution.

Potential Conduit Survey

As requested by the ACHCS, potential subsurface conduits in the vicinity of the Site were documented. The study area comprises the Site property and offsite area along 67th Street extending from Hollis Street to approximately 100 yards west of the Site. The survey consisted of a plan review at the City of Emeryville Public Works and Building Departments and visual observations of aboveground features at and near the Site. Subsurface utility locations were confirmed on Emeryville Department of Public Works Sanitary and Storm Sewer maps (sheet 5 of 10) and an East Bay Municipal Utility District (EBMUD) water line map (1482B496). In addition, further information was obtained during the subsurface utility survey conducted by Cruz Brothers on December 9 and from USA markings made by the utility companies.

The following subsurface utilities are present in the study area (Figure 5):

- The sanitary sewer runs parallel to the centerline of 67th Street at approximately 8 ft bgs;
- A municipal water line is located along the northern side of 67th Street, approximately 9 ft from the sidewalk and 8 ft bgs;
- Gas lines run in front of the office buildings and warehouses on either side of 67th Street, at approximately 4 ft bgs; and,
- A communications line is located along the southern side of 67th Street, approximately 3 ft from the sidewalk and 3 ft bgs.

No storm drains, catch basins, or sewer cleanouts were observed at the Site or at surrounding properties[7]. Visible aboveground features that could potentially act as conduits to the subsurface nearest to the Site were sanitary sewer manholes located beyond the area of study. One manhole is

[7] Surrounding properties were observed from the street.

located at the intersection of 67th Street and Hollis Street, and the other is located approximately 360 ft west of the Site. All electrical lines in the study area are overhead.

Conclusions and Recommendations

Soil

Low levels of TPH-D was detected in all soil samples collected at the Site in December 2005, however, most TPH-D results were flagged as not matching the diesel standard chromatographic pattern. TPH-G and BTEX compounds were detected at low levels in soil from all borings except upgradient boring B-9, including soil collected from the unsaturated zone in borings B-8, B-12, B-13, and B-14. TPH-G and BTEX concentrations in shallow soil from boring B-12 (adjacent to the former Clearprint USTs) were similar to or higher than TPH-G and BTEX concentrations in shallow soil from boring B-8 (adjacent to the former McGrath USTs). Based on these soil sample results, there does not appear to be any significant soil contamination related to the former McGrath USTs.

Ground Water

TPH-D, TPH-G, MTBE, and BTEX compounds have impacted ground water in the vicinity and downgradient of the former McGrath USTs. It also appears that TPH-G and BTEX originating from or near the former Clearprint USTs are contributing to the Site ground water plume. The highest MTBE concentrations were detected in ground water from boring B-14 and well MW-3, in the vicinity of the former McGrath USTs. The highest TPH-G and benzene concentrations were detected in ground water from borings B-12 and B-13, yet these samples had low levels of MTBE compared to the samples collected nearest to the Site source area. TPH-D, TPH-G, MTBE, and BTEX compounds coming from an upgradient source also contribute to the Site ground water plume. Subsurface utilities documented during this investigation are shallower than the current water table.

Recommendations

Based on these conclusions, Weiss recommends periodic monitoring of the extent and concentrations of TPH-D, TPH-G, MTBE, and BTEX in ground water in the vicinity of the Site. To do so, Weiss recommends augmenting the existing monitoring well with two additional wells. One well should be located cross- and downgradient of the former Site USTs and downgradient of the Clearprint USTs, in the vicinity of boring B-12, and one well should be located near the downgradient plume boundary, west of boring B-13. A high resolution, lower cost investigation method, such as a soil gas or Hydropunch survey with onsite gas chromatograph (GC analysis), to locate the approximate downgradient extent of the plume and most appropriate well placement is recommended. Weiss also recommends a semi-annual sampling program for the future well network, including well MW-3. Sample collection should be conducted reasonably close to the high and low water table months, and samples should be analyzed for TPH-D, TPH-G, MTBE, and BTEX. Based on the results of the December 2005 analyses, TPH-MS analysis of future ground water samples is not recommended. If after two years of semi-annual ground water sampling it is determined that concentrations are stable or declining, Site closure will be requested.

At this time, no soil gas or indoor air sampling is warranted because ambient levels of benzene in outdoor air in the San Francisco Bay area are high[8] (due to vehicle exhaust), the benzene concentrations were not significantly higher than the potential vapor intrusion ESL in the two grab samples that exceeded the ESL, and the sample locations are not in the immediate vicinity of occupied buildings. However, any future soil gas or ground water sample results will be compared to the potential vapor intrusion ESL to further monitor this exposure pathway.

Please feel welcome to call me at 650-968-7000 if you have any questions or comments regarding this report or the data contained herein.

Sincerely,
Weiss Associates

L. Maile Smith, PG
Project Manager

Encl: Figures 1 - 5
Tables 1 - 2
Attachment A – drilling and encroachment permits
Attachment B – boring logs
Attachment C – *analytic report*

cc: Mr. Jon Braden, McGrath Steel Company

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[8] Ambient levels of benzene in outdoor air in the San Francisco Bay area typically exceed the indoor air ESL by an order of magnitude or more (e.g., Air Resources Control Board, Cal-EPA, 2004, Annual Toxics Summaries, California Environmental Protection Agency, Air Resources Board, www.arb.ca.gov/aqd/toxics/sitesubstance.html).

FIGURES

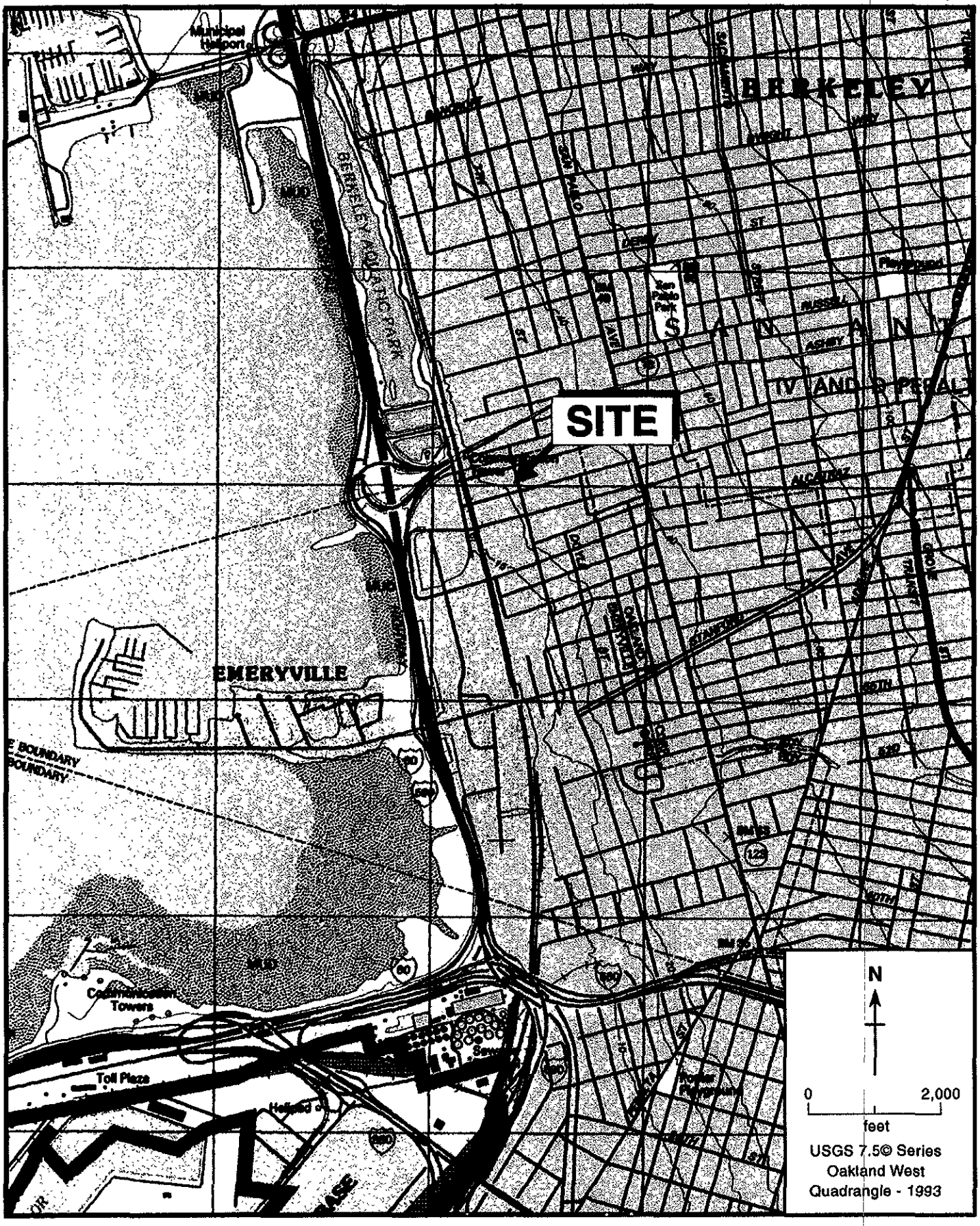


Figure 1. Site Location Map—McGrath Steel, 6655 Hollis Street, Emeryville, California

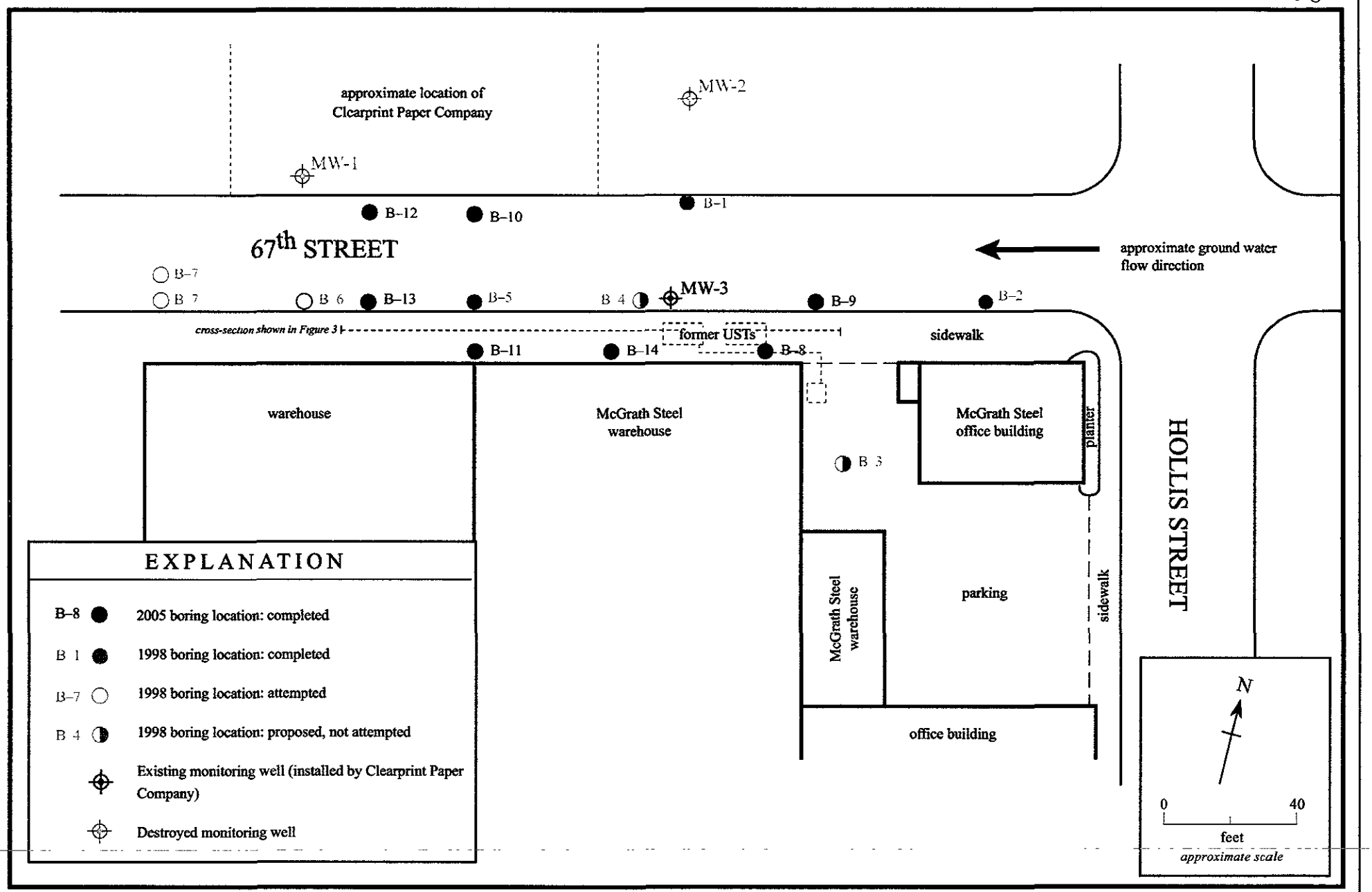


Figure 2. Site Plan and Boring Locations, McGrath Steel, 6655 Hollis Street, Emeryville, California

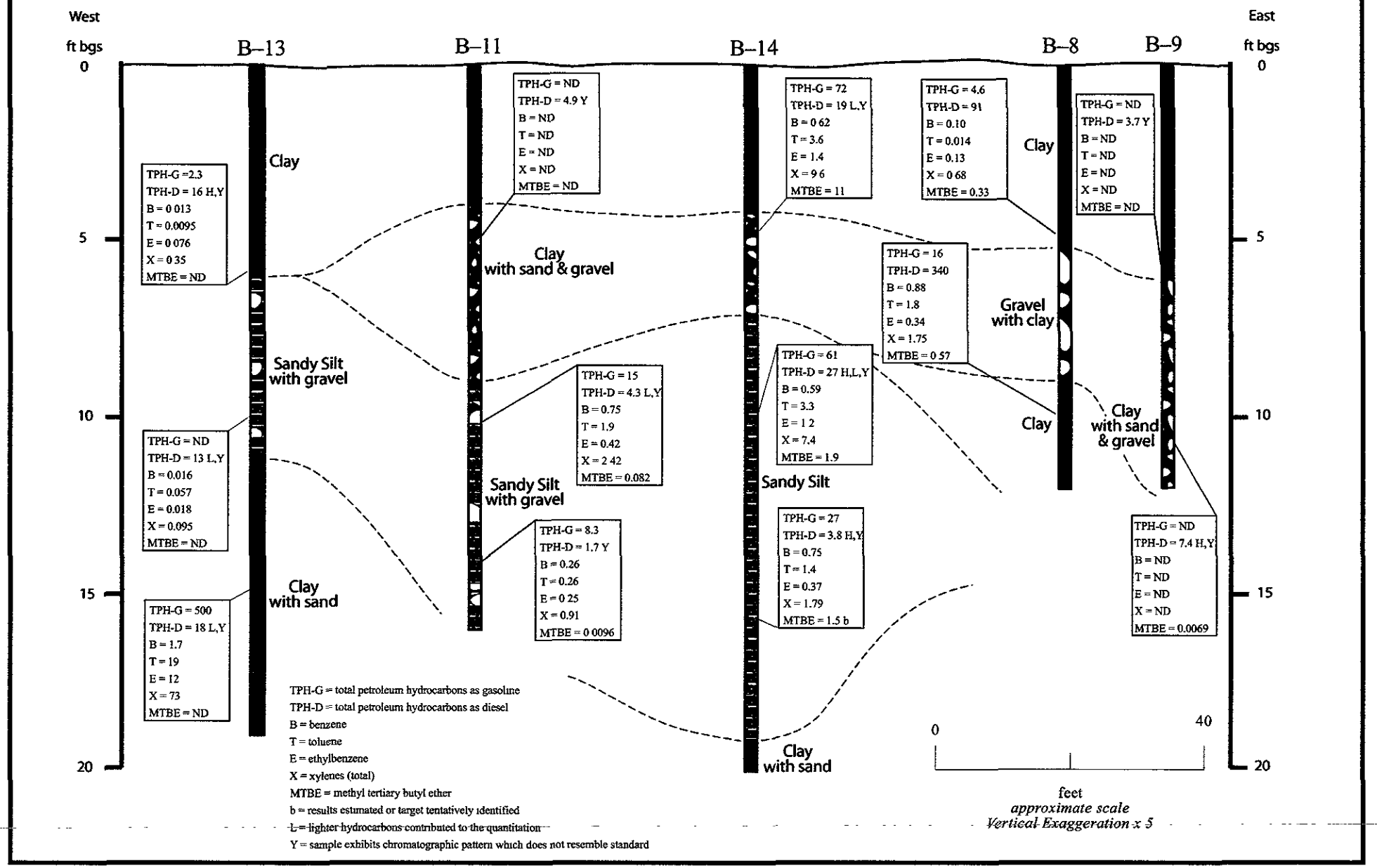


Figure 3. Cross-Section and Summary of Soil Sample Results, McGrath Steel, 6655 Hollis Street, Emeryville, California

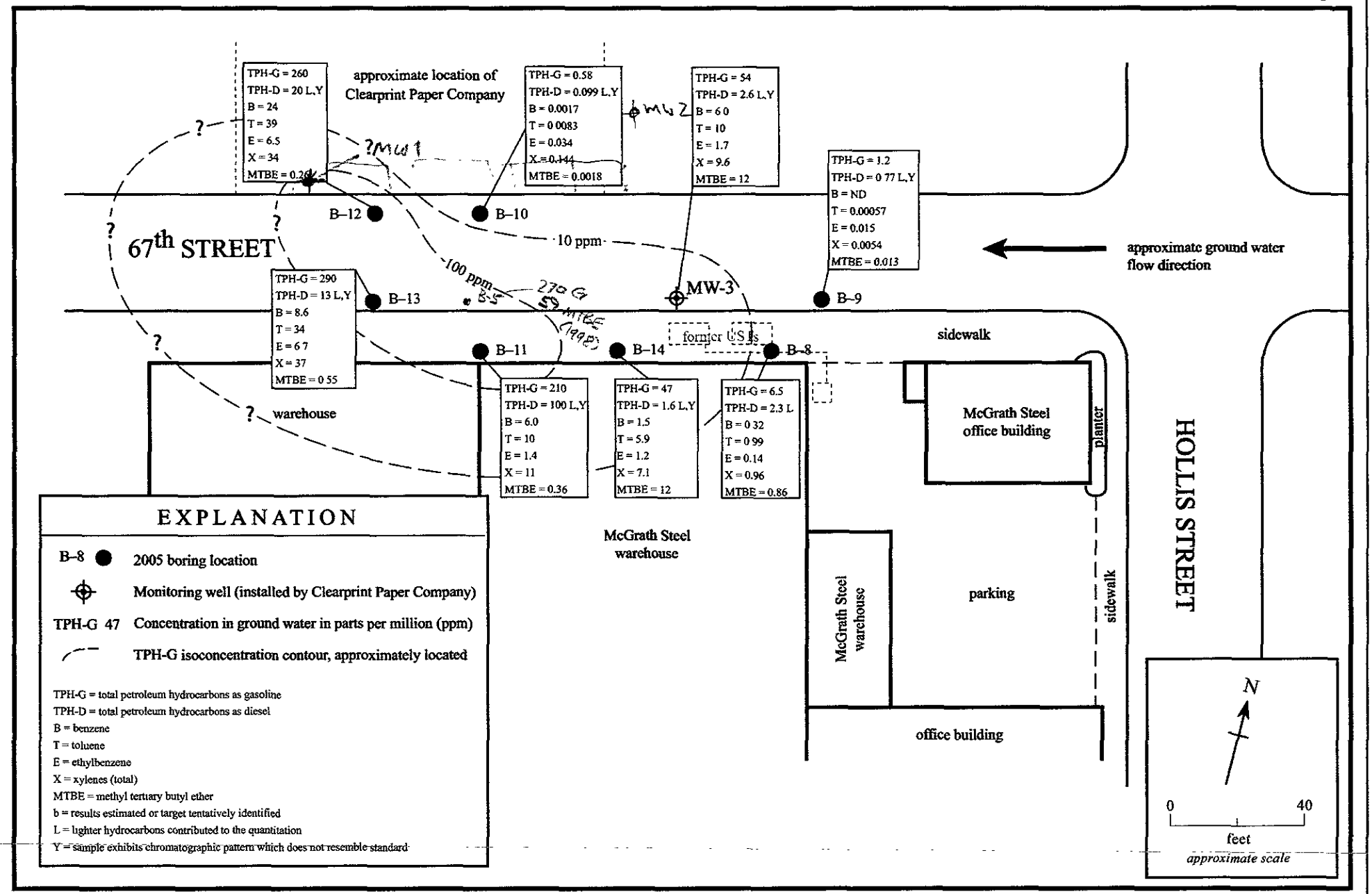


Figure 4. Summary of Grab Ground Water Sample Results, McGrath Steel, 6655 Hollis Street, Emeryville, California

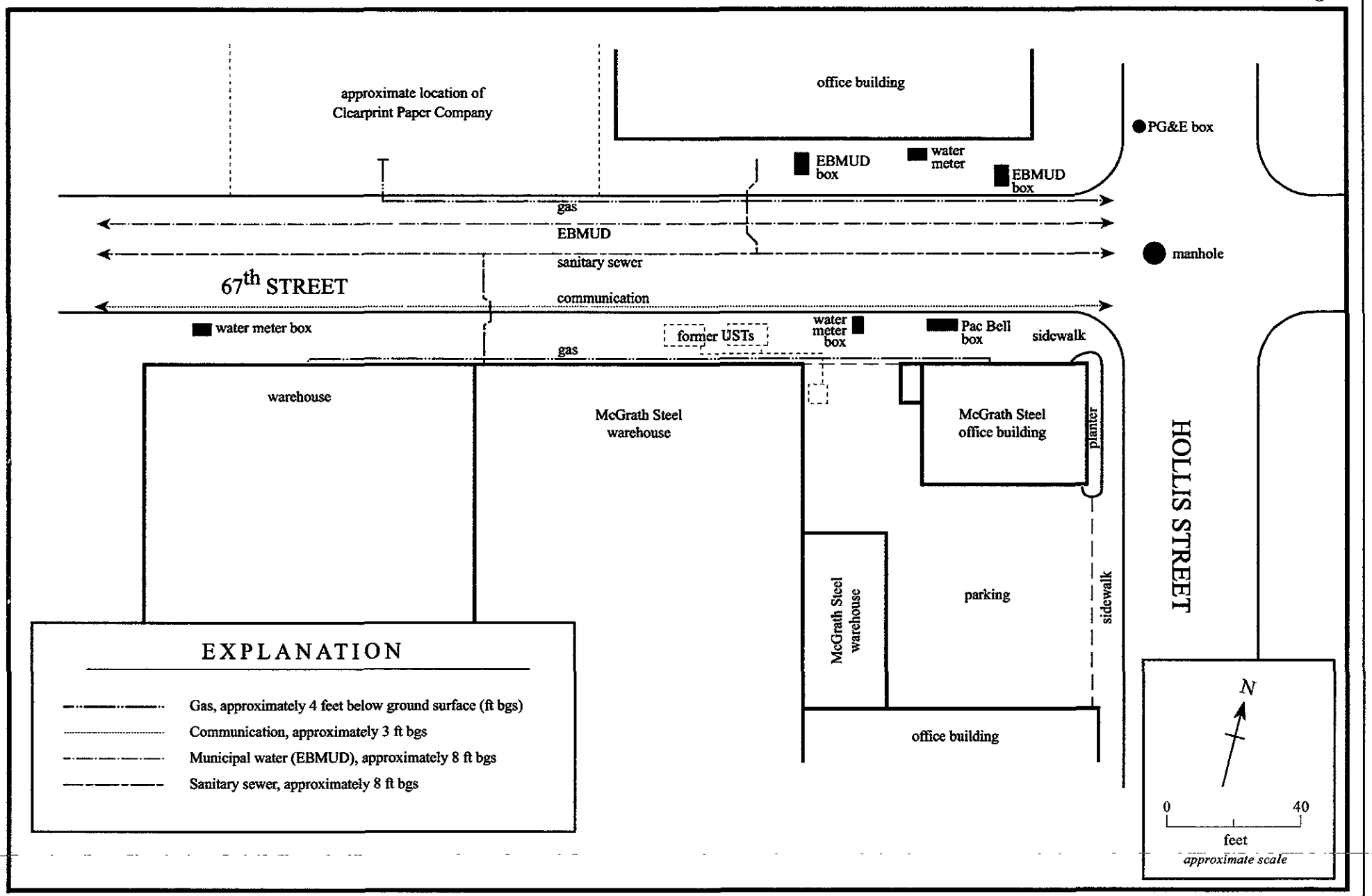


Figure 5. Subsurface Utility Locations, McGrath Steel, 6655 Hollis Street, Emeryville, California

TABLES

Table 1. Summary of Soil and Ground Water Samples, December 2005, McGrath Steel, Emeryville, California

	B-8	B-9	B-10	B-11	B-12	B-13	B-14
Soil:	B-8-5	B-9-6	B-10-5	B-11-5	B-12-5	B-13-6	B-14-5
	B-8-10	B-9-11	B-10-10	B-11-10	B-12-11	B-13-10	B-14-10
			B-10-15	B-11-14		B-13-15	B-14-16
	TD = 12	TD = 12	TD = 22	TD = 16	TD = 20	TD = 19	TD = 20
Ground Water:	B-8-W	B-9-W	B-10-W	B-11-W	B-12-W	B-13-W	B-14-W
	DTW = 10.73	DTW = 10.47	DTW = 9.22	DTW = 13.79	DTW = 11.51	DTW = 16.22	DTW = 16.31

Notes and Abbreviations

B-*X*-*Y* = soil sample collected from boring "*X*" at "*Y*" feet below ground surface

B-*Z*-W = water sample collected from boring "*Z*"

DTW = depth to first-encountered ground water; measured during drilling in feet below ground surface

TD = total depth of boring in feet below ground surface

Table 2. Chemical Analytic Results Summary, December 2005, McGrath Steel, Emeryville, California

Sample ID	Sample Date	TPH-G	TPH-MS	TPH-D	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME	EDC	EDB
Soil:																
Analytic Method:		*8015B*	*8015B*	*8015B*	*8021B*	*8021B*	*8021B*	*8021B*	*8021B*	*8260B*	*8260B*	*8260B*	*8260B*	*8260B*	*8260B*	*8260B*
Units:		*mg/kg (ppm)*														
B-8-5	20-Dec-05	4.6	NA	91	0.10	0.014	0.13	0.56	0.12	0.22	0.33	ND	ND	ND	ND	ND
B-8-10	20-Dec-05	16	NA	340	0.88	1.8	0.34	1.2	0.55	ND	0.57	ND	ND	ND	ND	ND
B-9-6	20-Dec-05	ND	NA	3.7 Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-9-11	20-Dec-05	ND	NA	7.4 H,Y	ND	ND	ND	ND	ND	ND	0.0069	ND	ND	ND	ND	ND
B-10-5	20-Dec-05	ND	ND	16 H,Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-10-10	20-Dec-05	4.9	4.7 Y	3.4 Y	ND	ND	0.13	0.25	0.025	ND	ND	ND	ND	ND	ND	ND
B-10-15	20-Dec-05	ND	ND	8.3 L,Y	ND	0.016	0.10	0.040	0.018	ND	ND	ND	ND	ND	ND	ND
B-11-5	21-Dec-05	ND	NA	4.9 Y	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-11-10	21-Dec-05	15	NA	4.3 L,Y	0.75	1.9	0.42	1.7	0.72	ND	0.082	ND	ND	ND	ND	ND
B-11-14	21-Dec-05	8.3	NA	1.7 Y	0.26	0.26	0.25	0.65	0.26	ND	0.0096	ND	ND	ND	ND	ND
B-12-5	20-Dec-05	6.4	6.2 Y	38 L,Y	0.45	1.0	0.18	0.66	0.22	ND	ND	ND	ND	ND	ND	ND
B-12-11	20-Dec-05	5.6	5.5 Y	26 Y	0.18	0.0091	0.46	0.22	0.031	ND	ND	ND	ND	ND	ND	ND
B-13-6	21-Dec-05	2.3	NA	16 H,Y	0.013 C	0.0095 C	0.076	0.25	0.10	ND	ND	ND	ND	ND	ND	ND
B-13-10	21-Dec-05	ND	NA	13 L,Y	0.016	0.057	0.018	0.067	0.028	ND	ND	ND	ND	ND	ND	ND
B-13-15	21-Dec-05	500	NA	18 L,Y	1.7 C	19	12	53	20	ND	ND	ND	ND	ND	ND	ND
B-14-5	21-Dec-05	72	NA	19 L,Y	0.62 C	3.6	1.4	7.0	2.6	ND	11	ND	ND	ND	ND	ND
B-14-10	21-Dec-05	61	NA	27 H,L,Y	0.59 C	3.3	1.2	5.3	2.1	ND	1.9	ND	ND	ND	ND	ND
B-14-16	21-Dec-05	27	NA	3.8 H,Y	0.75	1.4	0.37	0.59	1.2	ND	1.5 b	ND	ND	ND	ND	ND

Table 2. Chemical Analytic Results Summary, December 2005, McGrath Steel, Emeryville, California

Sample ID	Sample Date	TPH-G	TPH-MS	TPH-D	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME	EDC	EDB
Ground Water:																
Analytic Method:		*8015B*	*8015B*	*8015B*	*8021B*	*8021B*	*8021B*	*8021B*	*8021B*	*8260B*	*8260B*	*8260B*	*8260B*	*8260B*	*8260B*	*8260B*
Units:		*mg/L (ppm)*														
MW-3	20-Dec-05	54	NA	2.6 L,Y	6.0	10	1.7	7.0	2.6	ND	12	ND	ND	ND	ND	ND
B-8-W	20-Dec-05	6.5	NA	2.3 L	0.32	0.99	0.14	0.69	0.27	ND	0.86	ND	ND	ND	0.0097	ND
B-9-W	20-Dec-05	1.2	NA	0.77 L,Y	ND	0.00057	0.015	0.0054	ND	ND	0.013	ND	ND	ND	ND	ND
B-10-W	20-Dec-05	0.58	0.55 Y,b	0.099 L,Y	0.0017 C	0.0083	0.034	0.11	0.034	ND	0.0018	0.0019	ND	ND	0.0024	ND
B-11-W	21-Dec-05	210	NA	100 L,Y	6.0	10	1.4	7.5	3.5	ND	0.36	ND	ND	ND	ND	ND
B-12-W	20-Dec-05	260	180 Y,b	20 L,Y	24	39	6.5	24	10	ND	0.26	ND	ND	ND	ND	ND
B-13-W	21-Dec-05	290	NA	13 L,Y	8.6	34	6.7	26	11	ND	0.55	ND	ND	ND	ND	ND
B-14-W	21-Dec-05	47	NA	1.6 L,Y	1.5	5.9	1.2	4.9	2.2	ND	12	ND	ND	ND	ND	ND

Notes and Abbreviations

8015B = Modified USEPA Method 8015 for total volatile or extractable petroleum hydrocarbons; silica gel cleanup method USEPA 3630C conducted on TPH-D samples

8021B = USEPA Method 8021B for volatile aromatic compounds by gas chromatography-mass spectrometry (GCMS)

8260B = USEPA Method 8260B for volatile organic compounds (VOCs) by GCMS

b = results estimated or target tentatively identified

C = presence confirmed, but relative percent difference (RPD) between columns exceeds 40%

DIPE = di-isopropyl ether

EDB = ethylene dibromide; 1,2-dibromoethane

EDC = ethylene dichloride; 1,2-dichloroethane

ETBE = ethyl tert-butyl ether

H = heavier hydrocarbons contributed to the quantitation

L = lighter hydrocarbons contributed to the quantitation

mg/kg = milligrams per kilogram; equivalent to parts per million (ppm) in soil

mg/L = milligrams per liter; equivalent to parts per million (ppm) in ground water

MTBE = methyl tertiary butyl ether

NA = not analyzed, not required

ND = not detected above laboratory reporting limit

TAME = tert-amyl methyl ether

TBA = tert-butyl alcohol

TPH-D = total petroleum hydrocarbons as diesel (C10-C24 range)

TPH-G = total petroleum hydrocarbons as gasoline (C7-C12 range)

Y = sample exhibits chromatographic pattern which does not resemble standard

ATTACHMENT A

City of Emeryville • Department of Public Works
Encroachment Permit

Permit No. R-2005-0016 Date 12-16-05
Permit Admin. Fee $75
Permit Inspection Deposit (2 hr. min.) $150
Cost Recovery Estimate
Required Security Deposit:
- ☒ $1,000 cash
- ☐ $10,000 Bond, Bond #
- ☐ 100% Perf. Bond,

Bond Value Bond #
Total Payment Required $1,300
Received: MM Date 12/20/05
Receipt # 51051

Failure to obtain approval of a Final Inspection of the work covered by this Encroachment Permit within one (1) year of the estimated completion date shall result in the loss of the security deposit which shall be retained by the City of Emeryville.

APPLICANT WEISS ASSOCIATES
CONTACT PERSON DAVID WARD
ADDRESS 350 E. MIDDLEFIELD RD., 94608
PHONE 650-968-7600
FAX 650-968-7034

OWNER/DEVELOPER OF FACILITIES
MCGRATH STEEL
ADDRESS 6655 HOLLIS STREET, 94608
PHONE NA
FAX NA

CONTRACTOR DOING WORK WEISS ASSOCIATES, EMPROB
CONTACT PERSON MAILE SMITH
ADDRESS 350 E. MIDDLEFIELD RD. PHONE 650-968-7000 FAX 650-968-7034
LICENSE NO. 777607 CLASS C-57
☐Yes ☐No CURRENT CITY BUSINESS LICENSE ON FILE
☐Yes ☐No PROVIDE PROOF OF INSURANCE
EST. START DATE 12/15 EST. COMPLETION DATE 12/20 EST. COST IN CITY R/W

LOCATION OF WORK 6655 HOLLIS STREET, EMERYVILLE, CA

CHECK ALL THAT APPLY

☐ Traffic Control ☐Survey ☐ Sidewalk Detour ☐Dumpster ☐Temporary No Parking ☐ Private Facilities on Public Right of Way ☐ Construction ☐ Sidewalk ☐ Driveway Approach ☐Curb & Gutter ☐Pedestrian Ramp ☐Water Service ☐Gas Service ☐Electric Service ☐Roof Drain ☐Utility Maintenance ☐Fence ☐ Excavation ☐ Obstruction ☐Access Road ☐Monitoring Well ☐ Sewer Lateral ☐ Storm Drain ☐Crane ☐Block Party

FULLY DESCRIBE PROPOSED WORK WITHIN CITY RIGHT-OF-WAY (additional space on reverse if needed): Attach 3 complete sets of plans 8 ½ X 11, if applicable.

SUBCONTRACT A CALIFORNIA-LICENSED DRILLER TO DRILL SEVEN BORINGS TO GROUNDWATER AND COLLECT SOIL SAMPLES AT 4- TO 5-FOOT INTERVALS UP TO AND INCLUDING THE SOIL/WATER INTERFACE; COLLECT ONE GRAB GROUNDWATER SAMPLE FROM EACH BORING. CONTAIN SOIL CUTTINGS AND PURGED GROUND WATER ON SITE PENDING PROFILING FOR DISPOSAL. WORK SCHEDULED FOR 12/15/05

I hereby agree to protect and indemnify the City of Emeryville and hold it harmless in every way from all claim or suits for injury or damage to persons or property as set forth in the Standard Provisions. I agree not to begin construction until all materials to be used are on hand; to perform all work in accordance with the plans submitted (if any), the Standard Provisions to Encroachment Permit, and all applicable Special Conditions of Approval, and to pay all inspection and engineering costs in addition to those paid at the time of issuance of this permit. I further agree to complete the work to the satisfaction of the City Engineer and if for any reason the City of Emeryville is required to complete this work, I will pay all costs for such work.

Applicant Signature David Ward Date 12/6/05

After final inspection is approved, please contact the Public Works Department at 510-596-4330 to determine final cost, and for final payment or reimbursement of deposit.

FAX: 510-658-8095

FOR CITY USE ONLY ○*Temporary Permit* #_____*days* ○*Long Term Permit*

The following documents are attached and incorporated into this permit and have been given to the applicant:
☑ Standard Provisions to Encroachment Permit ☐ Special Conditions of Approval
☐ City Standard Details (List Details) ☑ Handout, Urban Runoff BMP's

☐ Other _____
Remarks _____

☐ 48 HOUR NOTICE PRIOR TO START OF WORK.
☐ PROVIDE CONSTRUCTION SCHEDULE 5 DAYS PRIOR TO START OF WORK
☐ AS-BUILT PLANS REQUIRED
☑ PLEASE CALL FOR INSPECTION AT 510-596-4333
☐ PLEASE NOTIFY POLICE (510-596-3700) AND FIRE (510-596-3750) 24 HOURS IN ADVANCE.
This permit is void unless the work is completed before 31 Dec, 20 05
This permit is to be strictly construed and no other work than is specifically mentioned is hereby authorized.
APPROVED [signature] TITLE SCE DATE 15 Dec 05
FINAL INSPECTION APPROVED _____ TITLE _____ DATE _____

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 12/14/2005 By jamesy
Permits Issued: W2005-1189

Receipt Number: WR2005-2248
Permits Valid from 12/15/2005 **to** 12/20/2005

Application Id: 1134168379666
Site Location: 6655 Hollis St (cross St. - 67th St.)
Emeryville, CA 94043

City of Project Site: Emeryville

Project Start Date: 12/15/2005

Completion Date: 12/20/2005

Applicant: Weiss Associates - David Ward
350 E. Middlefield Rd., Mountain View, CA 94043

Phone: 650-968-7000

Property Owner: Mcgrath Steel
6655 Hollis St, Emeryville, CA 94043

Phone: --

Client: ** same as Property Owner **

Total Due: $200.00
Total Amount Paid: $200.00
Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Geotechnical Study/CPT's - 7 Boreholes
Driller: Enprobe - Lic #: 777007 - Method: DP

Work Total: $200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2005-1189	12/14/2005	03/15/2006	7	2.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact James Yoo for an inspection time at 510-670-6633 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Cuttings may also be left on site or spread out as long as the applicants has approval from the property owner and the cuttings will not violate the State and County Clean Water laws (NPDES).

7. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

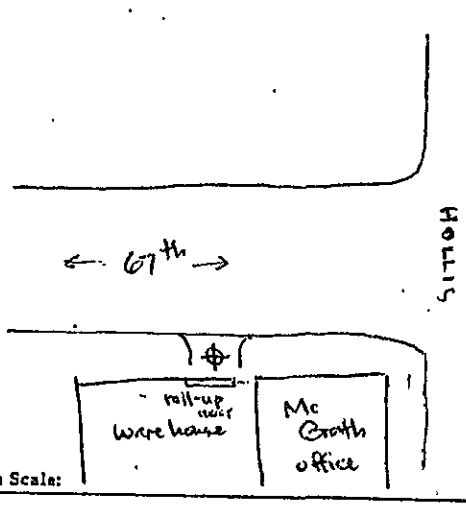
8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

ATTACHMENT B

WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Approximate Scale:

Notes:

Project: (facility, address, city, state) McGrath Steel	Borehole/Well No: B-8
Logged By: RCS	Job No: 184-1761-01-5
Project Manager: LMS	Edited By:
Drilling Contractor: (name, city, state) Enprob, Oroville, CA	Drill Rig: 6600
Driller: Steve	License # : C57- 777007
Drilling Method: Direct Push	Sample Method: Continuous Core
Well Head Completion: N/A	Ground Surface Elevation:
Hammer Weight/Drop: N/A	Borehole Diameter:
Started, Time: 14:20	Date: 12/20/05
Completed, Time: 16:00	Date: 12/20/05
Water Depth	
Boring/Casing Depth	
Time	
Date	

Total Boring Depth:	Total Well Depth:
Screened Interval:	Well Diameter:
Sand Pack (Type and Interval):	
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By: Date:	

Sample ID	PID / FID (ppm)	Sampler Type / depth	Blows per 6 Inches	Inches Driven	Inches Recovered	Sample Condition	Boring Diameter	Diagram: Conductor Casing(s) Interval and Diameter	Diagram: Sand / Grout	Diagram: Well Casing / Screen	Depth in Feet	Recovery / Sample Loc.	Contact / Hyd. Conduct.	LITHOLOGIC DESCRIPTIONS
											1		SC	4" Concrete, 3"
													CL	Clay. Grey-blue. GLEY1 (5/5GY) 100% fines. trace ~~f~~ medium sands damp. firm. hi plasticity. low K.
				48"	36"						2			
											3			
B-8-5 @ 1445											4			
											5			
											6		GP GC	Gravel with clay and sand. Poorly-graded. Light Brown color 10YR (5/3) 10% fines, 15% fine to coarse sand, 75% fine to medium gravel. Damp. soft. med plasticity, med to hi K.
				48"	48"						7			
											8			
B-8-10 @ 1500											9		CL	Clay. Grey-blue. GLEY1 (5/5GY) 100% fines trace medium sands. mottled.
											10			

WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 1824-176m-01-S

Borehole/Well No.: B-8

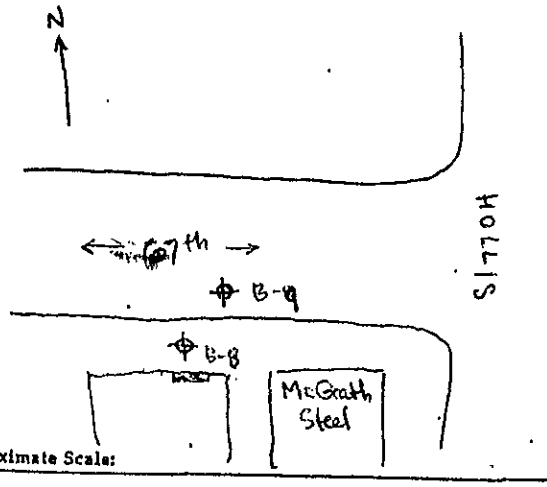
Notes: Mike Roberts, City of Gills inspector onsite

Sample ID	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	
B-8-2 @ 1508				48"	36"						11			damp, firm, hi plasticity, low K
														W/L @ 10.73' bgs
											12			
														END BOREHOLE
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Approximate Scale:

Notes:

Project: (facility, address, city, state) McGrath Steel	Borehole/Well No: B-8/9
Logged By: RCS	Job No: 184-1761-01-5
Project Manager: LMS	Edited By:
Drilling Contractor: (name, city, state) Enprob, Oroville, California	Drill Rig: G600
Driller: Steve	License # : C57- 777007
Drilling Method: Direct Push	Sample Method: Continuous Core
Well Head Completion: N/A	Ground Surface Elevation:
Hammer Weight/Drop: N/A	Borehole Diameter: 2"
Started, Time: 16:00	Date: 12/20/05
Completed, Time: 17:30	Date: 12/20/05
Water Depth	
Boring/Casing Depth	
Time	
Date	

Total Boring Depth:	Total Well Depth:
Screened Interval:	Well Diameter:
Sand Pack (Type and Interval):	
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	PID / FID (ppm)	Sampler Type / depth	Blows per 6 Inches	Inches Driven	Inches Recovered	Sample Condition	Boring Diameter	Diagram: Conductor Casing(s) Interval and Diameter	Diagram: Sand / Grout	Diagram: Well Casing / Screen	Depth in Feet	Recovery / Sample Loc.	Contact / Hyd. Conduct.	LITHOLOGIC DESCRIPTIONS
											1			Asphalt 3"
											2		CL	Clay. Bluish grey. GLEY1 (5/5GY) 100% fines. trace medium sands. damp. firm. low k. hi plasticity
											3			
				48"	24"						4		CL	Brown sandy clay with gravel. 10YR (5/3) 60% fines, 25% fine to coarse sand. 15% fine to medium gravel. Damp, firm, hi plasticity, low to med K.
B-a-6 @ 1620											5			
											6			
											7			
				48"	48"						8			Same brown sandy clay with gravel as above. 10YR (5/3) 60% fines, 25% fine to coarse sand, 15% fine to medium gravel. Damp, firm, hi plasticity, low to med K.
											9			
											10			

WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 184-1761-01-5

Borehole/Well No.: B-9

Notes:

Sample ID	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact
B-9-11 @ 1640											0		
B-9-W @ 1645				48"	48"						1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											10		
											11		
											12		
											13		
											14		
											15		
											16		
											17		
											18		
											19		
											20		

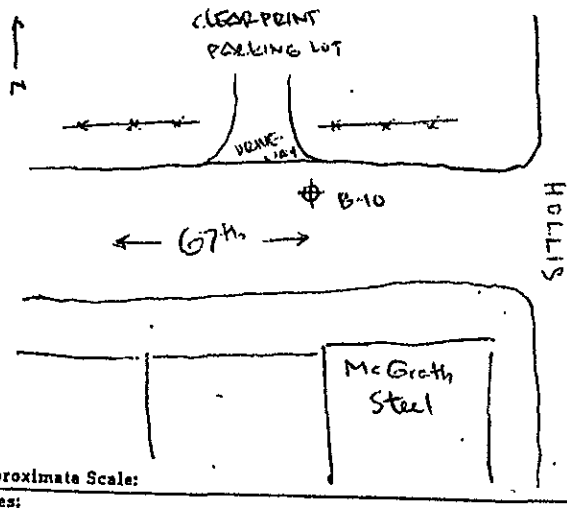
W/L @ 10.47' bgs

END BOREHOLE

WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Approximate Scale:

Notes:

Project: (facility, address, city, state) McGrath	Borehole/Well No: B-10
	Job No: 1P4-116-01-05
Logged By: RLS	Edited By:
Project Manager: LHG	Drill Rig: Geoprobe
Drilling Contractor: (name, city, state) Figueroa, Crockett, CA	
Driller: Steve	License # : C57- 777007
Drilling Method: Direct push	Sample Method: continuous core
Well Head Completion: N/A	Ground Surface Elevation:
Hammer Weight/Drop: N/A	Borehole Diameter: 2"
Started, Time: 12:45	Date: 12/20/05
Completed, Time: 14:20	Date: 12/20/05
Water Depth	
Boring/Casing Depth	
Time	
Date	

Total Boring Depth: 22'	Total Well Depth:
Screened Interval:	Well Diameter:
Sand Pack (Type and Interval):	
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	PID / FID (ppm)	Sampler Type / depth	Blows per 6 Inches	Inches Driven	Inches Recovered	Sample Condition	Boring Diameter	Diagram: Conductor Casing(s) Interval and Diameter	Diagram: Sand / Grout	Diagram: Well Casing / Screen	Depth in Feet	Recovery / Sample Loc.	Contact / Hyd. Conduct.	LITHOLOGIC DESCRIPTIONS
											0			Asphalt 3" subgrade
											1		CL	Clay. Dark brown color. 10YR (3/2).
											2			100% fines. trace medium sands. hi plasticity, damp. low K.
				48"	24"						3			
B-10-5 @1300											4		CL	Sandy clay with gravel. 60% fines, 25% fine to ~~coarse gravel medium gravel~~ BS to coarse sand. 15% fine to medium gravel. Damp, firm. hi plasticity, low K. 10YR (5/3) Brown
											5			
											6			
											7		CL	Clay with sand. Bluish-grey color. GLEY1 (5/5GY)
				48"	48"						8			75% fines 15% sand, 10% gravel Damp, firm, hi plasticity, low K. fine to coarse sands & fine to medium gravels.
											9			
B-10-10 @1315											▽			W/L @ 9.22' bgs. Sampled @ 1540 pm. (B-10-W)
											10			

WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: McGrath / 174-176-01-5

Borehole/Well No.: B-10

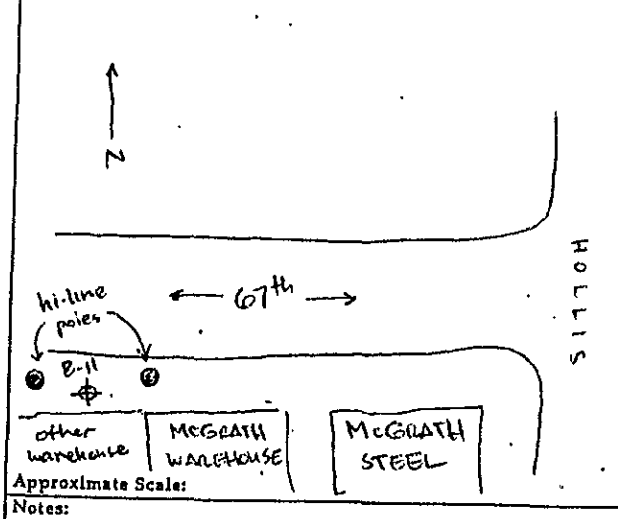
Notes:

Sample ID	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	
														Same. Clay with sand. Bluish grey. GLEY1 (5/9
				48"	48"						1			70% fines, 15% sand, 15% gravel. fine to coarse sands; fine to medium gravels. Damp. firm.
											2			hi plasticity, low K.
											3			
											4			
														Gradation Contact (per PEK)
B-10-15 @1320				48"	48"						5		GM	Silty gravel. Brown. 10YR (5/3)
											6			15% fines, 15% fine to coarse sands, 70% gravels (medium gravels). Damp, firm. Low plasticity, medium K.
											7			
											8			
											9		CL	Clay. Dark Brown (10YR) 5/3
											10			100% fines. trace medium sands, damp.
											11			hi plasticity, low K
				72"	72"						12			
														END BOREHOLE
											13			
											14			
											15			
											16			
											17			
											18			
											19			
											20			

WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Approximate Scale:

Notes:

Project: (facility, address, city, state) McGrath Steel	Borehole/Well No: B-11
Logged By: RCS	Job No: 184-1761-01-5
Project Manager: LMS	Edited By:
Drilling Contractor: (name, city, state) Enprob Drilling, Oroville, CA	Drill Rig: 6600
Driller: Steve	License # : C57- 777807
Drilling Method: Direct Push	Sample Method: Continuous Core
Well Head Completion: N/A	Ground Surface Elevation:
Hammer Weight/Drop: N/A	Borehole Diameter: 2"
Started, Time: 8:45 AM	Date: 12/21/05
Completed, Time: 10:25 AM	Date: 12/21/05
Water Depth	
Boring/Casing Depth	
Time	
Date	

Total Boring Depth:	Total Well Depth:
Screened Interval:	Well Diameter:
Sand Pack (Type and Interval):	
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	PID / FID (ppm)	Sampler Type / depth	Blows per 6 Inches	Inches Driven	Inches Recovered	Sample Condition	Boring Diameter	Diagram: Conductor Casing(s) Interval and Diameter	Diagram: Sand / Grout	Diagram: Well Casing / Screen	Depth in Feet	Recovery / Sample Loc.	Contact / Hyd. Conduct.	LITHOLOGIC DESCRIPTIONS
											1		CL	Clay. Dark brown in color 10YR (3/2)
											2			100% fines, trace med sands, moist
											3			hi plasticity, low K
				48"	24"						4			
B11-5 @ 915											5		CL	Brown sandy clay with gravel. 10YR (5/3)
											6			60% fines, 25% fine to coarse sand, 15%
											7			fine to medium gravel. firm. hi plasticity
				48"	48"						8			low to medium K.
B-11-10 @ 930											9		ML	Sandy silt with gravel. Brown 10YR (5/3)
											10			60% fines, 25% fine to coarse gravel, 15% sand

WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 184-1761-01-5

Borehole/Well No.: B-11

Notes:

Sample ID	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	
														firm, wet, low plasticity, med K.
				48"	48"						1			
											2			
B-11-W4 @ 945											3		ML	Same sandy silt as above, with more gravel.
											4		▽	(60% fines, 35% fine to coarse gravel, 5% sand
B-11-W @ 1404														10YR (5/3) damp, low plasticity, medium K.
											5			W/L @ 13.79' bgs.
				48"	36"						6			END BOREHOLE.
											7			
											8			
											9			
											10			
											11			
											12			
											13			
											14			
											15			
											16			
											17			
											18			
											19			
											20			

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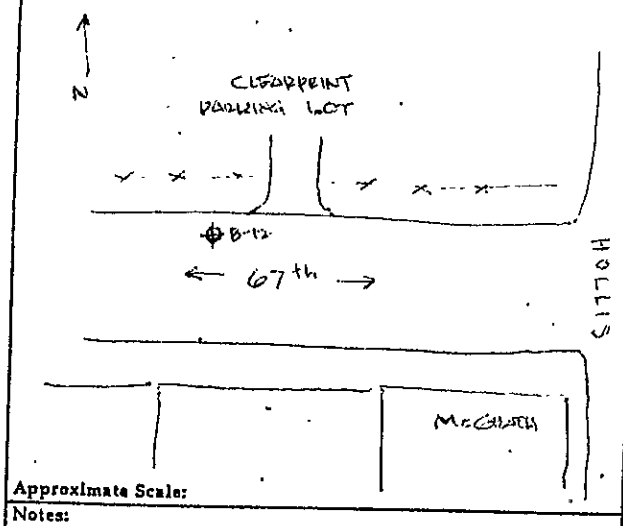
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Approximate Scale:

Notes:

Project: (facility, address, city, state) McGrath Steel	Borehole/Well No: B-12
Logged By: RCS	Job No: 184-1761.01.05
Project Manager: LMS	Edited By:
Drilling Contractor: (name, city, state) ENVIROBORE; OAKLAND, CA	Drill Rig: GEOPROBE
Driller: STEVE	License # : C57- 777007
Drilling Method: DIRECT PUSH	Sample Method: CONTINUOUS CORE
Well Head Completion: N/A	Ground Surface Elevation:
Hammer Weight/Drop: N/A	Borehole Diameter: 2"
Started, Time: 10:20	Date: 12/20/05
Completed, Time: 12:45	Date: 12/20/05
Water Depth	
Boring/Casing Depth	
Time	
Date	

Total Boring Depth: 20'	Total Well Depth:
Screened Interval:	Well Diameter:
Sand Pack (Type and Interval):	
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	PID / FID (ppm)	Sampler Type / depth	Blows per 6 Inches	Inches Driven	Inches Recovered	Sample Condition	Boring Diameter	Diagram: Conductor Casing(s) Interval and Diameter	Diagram: Sand / Grout	Diagram: Well Casing / Screen	Depth in Feet	Recovery / Sample Loc.	Contact / Hyd. Conduct.	LITHOLOGIC DESCRIPTIONS
											0			Asphalt 3"
											1		CL	Clay. Dark Brown 10YR (3/2)
											2			100% fines trace medium sands, damp.
														hi plasticity, low K
				4/8"	12"						3			
B12 5 @1050											4		CL	Sandy clay with gravel. 10YR (5/3), brown
											5			60% fines, 25% fine to coarse sand, 15% fine to
														medium gravel. Damp, soft, hi plasticity, low K
											6			
				4/8"	24"						7			
											8		ML	Sandy silt with gravel. Green-gray Clay1 (5/5Y)
B-12 19 @1100											9			60% fines 25% fine to coarse gravel, 15% sand
														firm, wet, low plasticity, high K
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 184-1761-01-5

Borehole/Well No.: B-12

Notes:

Sample ID	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	
B-12-W @1145				48"	48"						1			
											2		CL	Clay. Brown 10YR (5/3)
														100% fines, trace med sands, Vi K, low plasticity,
											3			hard, clumps medium sands
														Water level @ 11:51
											4			
											5			
				48"	24"						6		GW	well graded gravel. Brown 10YR (5/3)
														w/ clay, med sand. 10% fines, 30% fine
											7			to coarse sand 60% fine to med gravel
														wet, loose, med-hi K
											8		SP	
											9			Sandy, poorly graded sand w/ clay.
				48"	48"									Brown clay 10YR (5/2) 10% fines
											10			90% fine to med sands. wet, soft, med K
														END.
											11			
											12			
											13			
											14			
											15			
											16			
											17			
											18			
											19			
											20			

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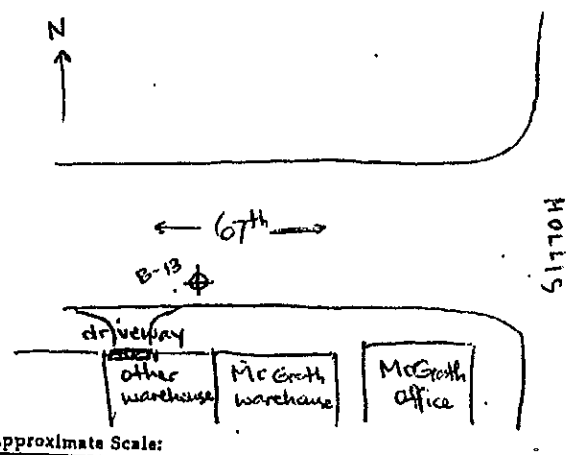
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Approximate Scale:

Notes:

Project: (facility, address, city, state) McGrath Steel	Borehole/Well No: B-13
Logged By: RCS	Job No: 184-1761-01-5
Project Manager: LMS	Edited By:
Drilling Contractor: (name, city, state) Enprob, Oroville, CA	Drill Rig: 6600
Driller: Steve	License # : C57- 777007
Drilling Method: Direct push	Sample Method: Continuous Core
Well Head Completion: N/A	Ground Surface Elevation:
Hammer Weight/Drop: N/A	Borehole Diameter: 2"
Started, Time: 7:30 AM	Date: 12/21/05
Completed, Time: 8:45 AM	Date: 12/21/05
Water Depth	
Boring/Casing Depth	
Time	
Date	

Total Boring Depth:	Total Well Depth:
Screened Interval:	Well Diameter:
Sand Pack (Type and Interval):	
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	PID / FID (ppm)	Sampler Type / depth	Blows per 6 Inches	Inches Driven	Inches Recovered	Sample Condition	Boring Diameter	Diagram: Conductor Casing(s) Interval and Diameter	Diagram: Sand / Grout	Diagram: Well Casing / Screen	Depth in Feet	Recovery / Sample Loc.	Contact / Hyd. Conduct.	LITHOLOGIC DESCRIPTIONS
											0			Asphalt (3")
											1		CL	Clay. Dark brown color. 10YR (3/2)
											2			100% fines. trace sands. moist,
											3			no plasticity, low K
				48"	12"									
											4			Dark brown clay as above. 10YR (3/3)
B-13/6 @ 5											5			100% fines. trace sands. moist
														hi plasticity, low K
				36"	36"						6		ML	Sandy silt with gravel. Brown 10YR (5/3)
											7			60% fines, 25% fine to coarse gravel, 15%
														sand. firm, wet. low plasticity, hi K
											8			
B-13/10 @ 8:15				48" 36" wet	36"						9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 184-1961-01-5

Borehole/Well No.: B-13

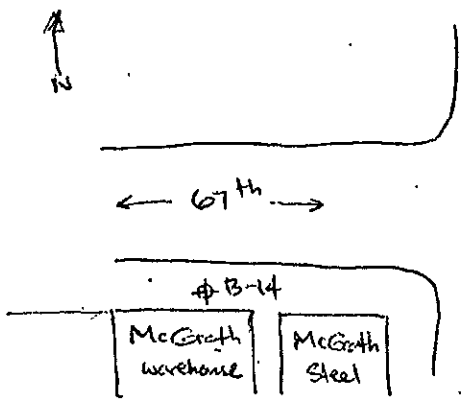
Notes:

Sample ID	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	
											1		CL	Clay with sand. Brown. 10YR (5/3) 75% fines, 15% fine to coarse sand, 10% fine to medium gravels. damp, soft, medium plasticity, med K.
B-13-15 @ 0830				48"	48"						2			
											3			
											4			
B-13-W @ 0905											5			
											6		▽	w/l @ 16.22. water recharging very slowly. set casing (temp) move to next location.
											7			
				48"	24"						8		CL	Clay. Dark brown color 10YR (3/1) 100% fines, trace sands. moist, hi plasticity, low K.
											9			
											10			END BOREHOLE @ 19'
											11			
											12			
											13			
											14			
											15			
											16			
											17			
											18			
											19			
											20			

WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Approximate Scale:

Notes:

Project: (facility, address, city, state) McGrath Steel	Borehole/Well No: B-14
Logged By: RCS	Job No: 184-1761-01-5
Project Manager: LMS	Edited By:
Drilling Contractor: (name, city, state) Enprob, Oroville, CA	Drill Rig: 6600
Driller: Steve	License # : C57- 777007
Drilling Method: Direct push	Sample Method: Continuous Core
Well Head Completion: N/A	Ground Surface Elevation:
Hammer Weight/Drop: N/A	Borehole Diameter: 2"
Started, Time: 1025	Date: 12/21/05
Completed, Time: 1320	Date: 12/21/05
Water Depth	
Boring/Casing Depth	
Time	
Date	

Total Boring Depth:	Total Well Depth:
Screened Interval:	Well Diameter:
Sand Pack (Type and Interval):	
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	PID / FID (ppm)	Sampler Type / depth	Blows per 6 inches	Inches Driven	Inches Recovered	Sample Condition	Boring Diameter	Diagram: Conductor Casing(s) Interval and Diameter	Diagram: Sand / Grout	Diagram: Well Casing / Screen	Depth in Feet	Recovery / Sample Loc.	Contact / Hyd. Conduct.	LITHOLOGIC DESCRIPTIONS
														Concrete.
											1			No recovery, from 4' drive
											2			
											3			
				48"	0"									
BH-5 @ 1040											4		CL	Brown sandy clay with gravel. 10YR (5/3)
											5			60% fines, 25% fine to coarse sand, 15% fine to medium gravel. firm. damp.
											6			low plasticity, medium K
											7		ML	Sandy silt. Dark brown. 10YR (3/2)
				48"	48"						8			60% fines. 30% fine to coarse sand, 10% fine to medium gravel. soft, wet, low plasticity, Mod K
BH-6 @ 1100											9		ML	Same sandy silt described above. Dark brown.
											10			10YR (3/2) 60% fines, 30% fine to coarse

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 184-1761-01-5

Borehole/Well No.: B-14

Notes:

Sample ID	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	
				48"	36"						0–4			sand, 10% fine to medium gravel. soft, wet, low plasticity, med K
B-14-16 @ 1120				48"	12"						5–6		ML	Same sandy silt described above.
B-14-W @ 1245											6	▽		W/L @ 16.31' bgs.
				48"	6"						7–20		CL	Brown sandy clay w/ gravel. 10YR (5/3) 60% fines, 25% fine to coarse sand, 15% fine to medium gravel. firm. hi plasticity low to medium K.

Environmental Strategies Corporation
101 Metro Drive, Suite 650
San Jose, CA 95110

CLEARPRINT
1492 67TH ST
Emeryville CA
McGRATH

Boring No. MW-3
Sheet 1 of 2
Date Drilled 10/11/95

MW-3

Drilling Co. WEST HAZMAT
Driller LEE FOX
ESC Geologist JBENSON

Boring Location SE of TANK 4
Ground Elevation
TOC Elevation

Boring
Method Hollow Stem Auger
Hole Diameter 8"
Inside Diameter 3.75"
Total Depth 29.4'

Outer Casing
Type N/A
Diameter
Length

Well Casing/Screen/Filter Pack
Type/Diameter Sched 40 / 2"
Screen Length
Screen Slot Size 0.01 Filter Pack #2/12
Total Depth 29.4

Sampler
Method SS Split spoon
Length (ft) 18"
Hammer (lbs)/Fall (ins) 140 lb 26"

Blows/Ft.	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
N/A				NA		1	Asphalt / Base matl		
						2			
						3			
3				13.8			Mod yel brown 10YR 5/4	CL	
29				29.9		4	Silty clay some 10YR 2/2		
13				20.1			Mottled		
				11.2		5			
10				28.9		6	Lt olive gray 5Y 5/2 mottled		
5			1515	32.6			w/ mod brn 5YR 3/4 silty		
23				18.9		7	clay		
				16.7					
14			1525	78.0		8	Some grayish green		
7				1128.8					
28				49.6		9			
				23.1					
						10			
20			1530	1172.1		11	Mod yel brn 10YR 5/4 Some	SM	Strong petro/solvent odor
28				565.6			Gray green 5G 5/2 Mottled silty		
52				72.9		12	Very coarse sandy gravel some clay		
						13			
3				29.4			Mod yel brn 10YR 5/4 silty clay		
13				7.6		14	w/ some coarse sand.		
11				4.3					
				4.0		15			
13				4.4		16	Mod yellow brn 10YR 5/4 Very		
27				8.3			Coarse clay w/ some gravel		
38				10.2		17			

BORING LOG

Environmental Strategies Corporation
101 Metro Drive, Suite 650
San Jose, CA 95110

Boring No. MW-3
Sheet ___ of ___
Date Drilled ___

Approved by:
MW-3

Blows/Ft.	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
						18			
22			1600	0			Same as above	CL	
26				2.0		19			
30				0					
				0		20			
16									
19						21			
26						22			
				↓					
						23			
12				0			Same as above w/ some mottling		
17				1.5		24	silty clay	CL	
30			1636	0					
				0		25			
150						26	No recovery Fine silty sand		
Muck							Mucking augers some grayish	SM?	
in						27	black org		
augers									
						28			
						29			
							End of boring 29.4'		
						30			
						31			
						32			
						33			
						34			
						35			
						36			
						37			
						38			

ATTACHMENT C

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:

Weiss Associates
350 East Middlefield Rd
Mountain View, CA 94043

Date: 16-JAN-06
Lab Job Number: 183988
Project ID: 184-1761-01-3
Location: McGrath Steel

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: _____ for JG
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	183988
Client:	Weiss Associates
Project:	184-1761-01-3
Location:	McGrath Steel
Request Date:	12/22/05
Samples Received:	12/22/05

This hardcopy data package contains sample and QC results for eighteen soil samples and eight water samples, requested for the above referenced project on 12/22/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B) Water:
High surrogate recoveries were observed for bromofluorobenzene (FID) and trifluorotoluene (FID) in the MS/MSD of B-10-W (lab # 183988-007). High surrogate recovery was observed for bromofluorobenzene (PID) in B-10-W (lab # 183988-007); the corresponding trifluorotoluene (PID) surrogate recovery was within limits. Due to laboratory error, the mineral spirits for 183988-007 and 183988-015 was analyzed outside of hold time; affected data was qualified with "b". The chromatograms most resemble gasoline and not mineral spirits. No other analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B) Soil:
High surrogate recovery was observed for trifluorotoluene (PID) in B-14-16 (lab # 183988-025); the corresponding bromofluorobenzene (PID) surrogate recovery was within limits. No other analytical problems were encountered.

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

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

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

Volatile Organics by GC/MS (EPA 8260B) Soil:
Low recovery was observed for MTBE in the MS of B-14-5 (lab # 183988-023); the LCS was within limits, and the associated RPD was within limits. Response exceeding the instrument's linear range was observed for MTBE in B-14-16 (lab # 183988-025); affected data was qualified with "b". The sample was logged in as lab # 183988-029 and re-analyzed past hold for MTBE. High RPD was observed for MTBE in the MS/MSD of B-10-5 (lab # 183988-008). High surrogate recovery was observed for dibromofluoromethane in the MSD for batch 109221; the parent sample was not a project sample. No other analytical problems were encountered.

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Field ID:	B-8-W	Batch#:	109005
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-001	Analyzed:	12/27/05
Dil'n Fac:	25.00		

Analyte	Result	RL	Analysis
Gasoline C7-C12	6,500	1,300	EPA 8015B
Benzene	320	13	EPA 8021B
Toluene	990	13	EPA 8021B
Ethylbenzene	140	13	EPA 8021B
m,p-Xylenes	690	13	EPA 8021B
o-Xylene	270	13	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	62-141	EPA 8015B
Bromofluorobenzene (FID)	116	78-134	EPA 8015B
Trifluorotoluene (PID)	84	67-127	EPA 8021B
Bromofluorobenzene (PID)	105	80-122	EPA 8021B

Field ID:	B-9-W	Batch#:	109128
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-004	Analyzed:	12/29/05
Dil'n Fac:	1.000		

Analyte	Result	RL	Analysis
Gasoline C7-C12	1,200	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	0.57	0.50	EPA 8021B
Ethylbenzene	15	0.50	EPA 8021B
m,p-Xylenes	5.4	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	116	62-141	EPA 8015B
Bromofluorobenzene (FID)	111	78-134	EPA 8015B
Trifluorotoluene (PID)	105	67-127	EPA 8021B
Bromofluorobenzene (PID)	104	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
D= Not Detected
RL= Reporting Limit

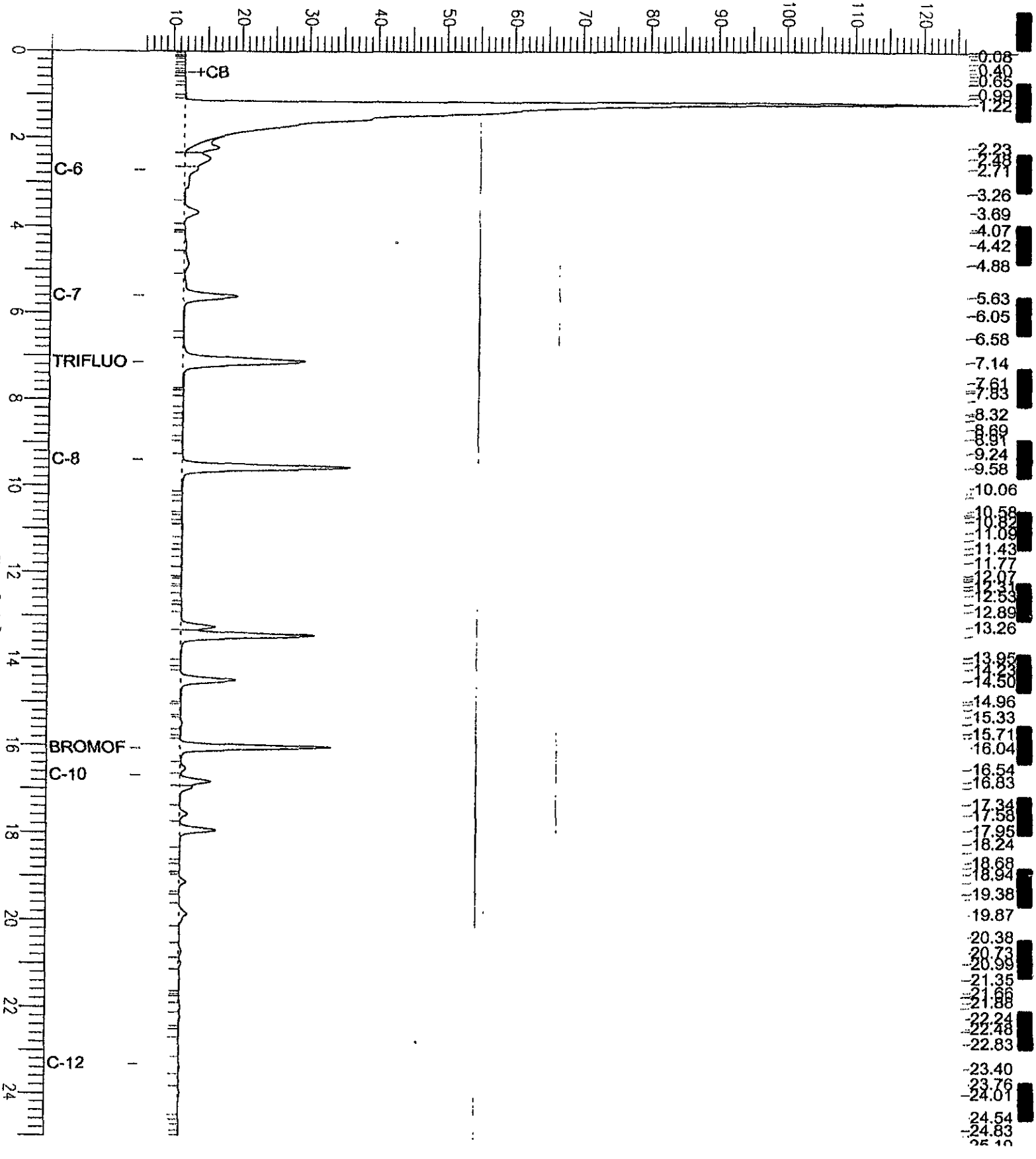
GC19 TVH 'X' Data File (FID)

ample Name : 183988-001,109005,tvh+btxe
ileName : G:\GC19\DATA\361X023.raw
ethod : TVHBTXE
tart Time : 0.00 min End Time : 25.00 min
cale Factor: 1.0 Plot Offset: 6 mV

Sample #: d1.9 Page 1 of 1
Date : 12/27/05 08:51 PM
Time of Injection: 12/27/05 08:24 PM
Low Point : 5.84 mV High Point : 126.39 mV
Plot Scale: 120.6 mV

B-8-W

Response [mV]



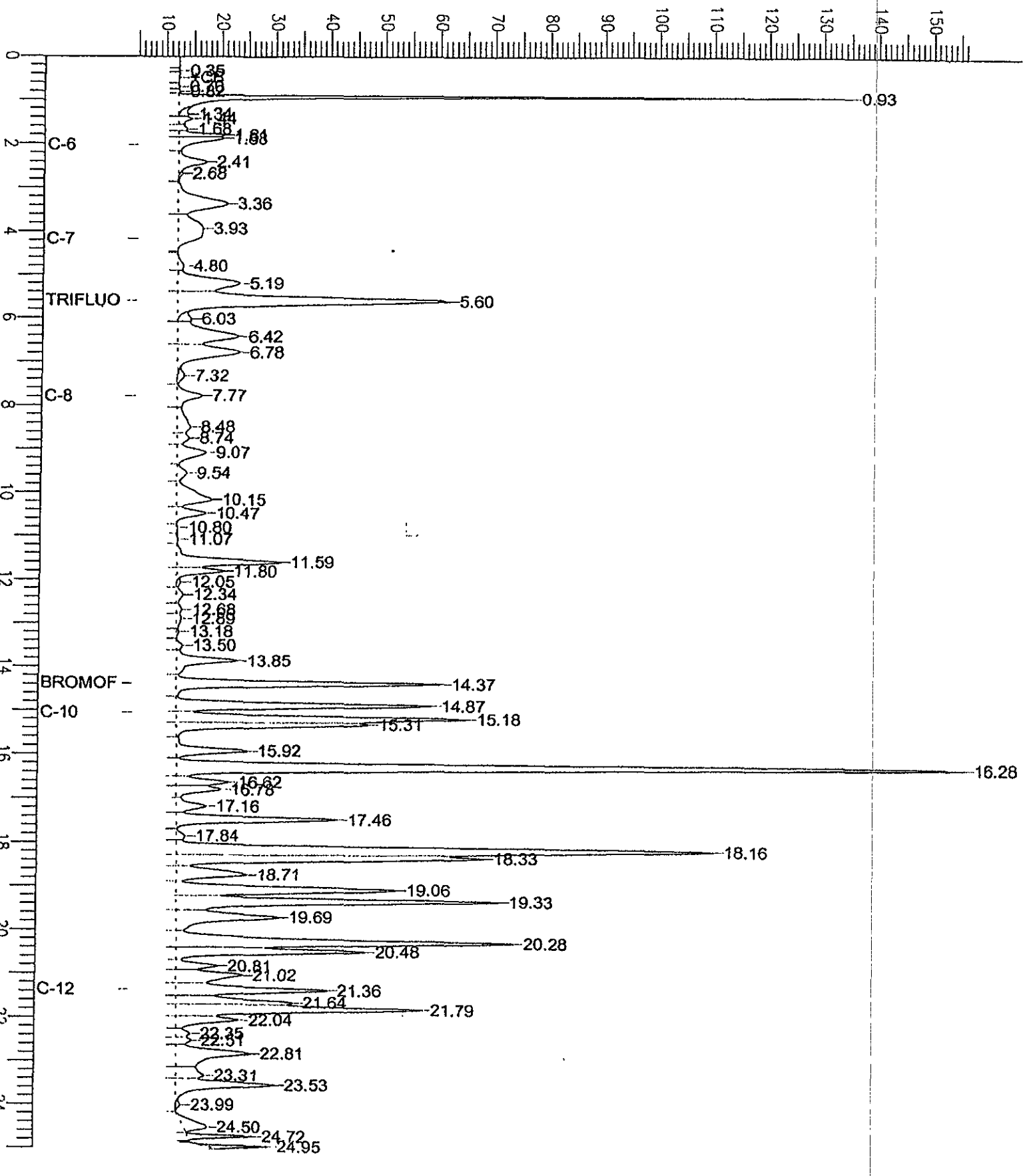
Chromatogram

ample Name : 183988-004,109128,tvh+btxe
ileName : G:\GC05\DATA\363g019.raw
ethod : TVHBTXE
tart Time : 0.00 min End Time : 25.00 min
cale Factor: 1.0 Plot Offset: 5 mV

Sample #: c1.6
Date : 12/30/05 09:18 AM
Time of Injection: 12/29/05 09:05 PM
Low Point : 4.93 mV High Point : 156.74 mV
Plot Scale: 151.8 mV

B-9-W

Response [mV]



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Field ID:	B-10-W	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-007		

Analyte	Result	RL	Batch#	Analyzed	Analysis
Gasoline C7-C12	580	50	109005	12/27/05	EPA 8015B
Mineral Spirits C7-C12	550 Y b	50	109291	01/06/06	EPA 8015B
Benzene	1.7 C	0.50	109005	12/27/05	EPA 8021B
Toluene	8.3	0.50	109005	12/27/05	EPA 8021B
Ethylbenzene	34	0.50	109005	12/27/05	EPA 8021B
m,p-Xylenes	110	0.50	109005	12/27/05	EPA 8021B
o-Xylene	34	0.50	109005	12/27/05	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	107	62-141	109005	12/27/05	EPA 8015B
Bromofluorobenzene (FID)	133	78-134	109005	12/27/05	EPA 8015B
Trifluorotoluene (PID)	117	67-127	109005	12/27/05	EPA 8021B
Bromofluorobenzene (PID)	141 *	80-122	109005	12/27/05	EPA 8021B

Field ID:	B-11-W	Batch#:	109005
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-011	Analyzed:	12/27/05
Diln Fac:	100.0		

Analyte	Result	RL	Analysis
Gasoline C7-C12	210,000	5,000	EPA 8015B
Benzene	6,000	50	EPA 8021B
Toluene	10,000	50	EPA 8021B
Ethylbenzene	1,400	50	EPA 8021B
m,p-Xylenes	7,500	50	EPA 8021B
o-Xylene	3,500	50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	62-141	EPA 8015B
Bromofluorobenzene (FID)	109	78-134	EPA 8015B
Trifluorotoluene (PID)	85	67-127	EPA 8021B
Bromofluorobenzene (PID)	107	80-122	EPA 8021B

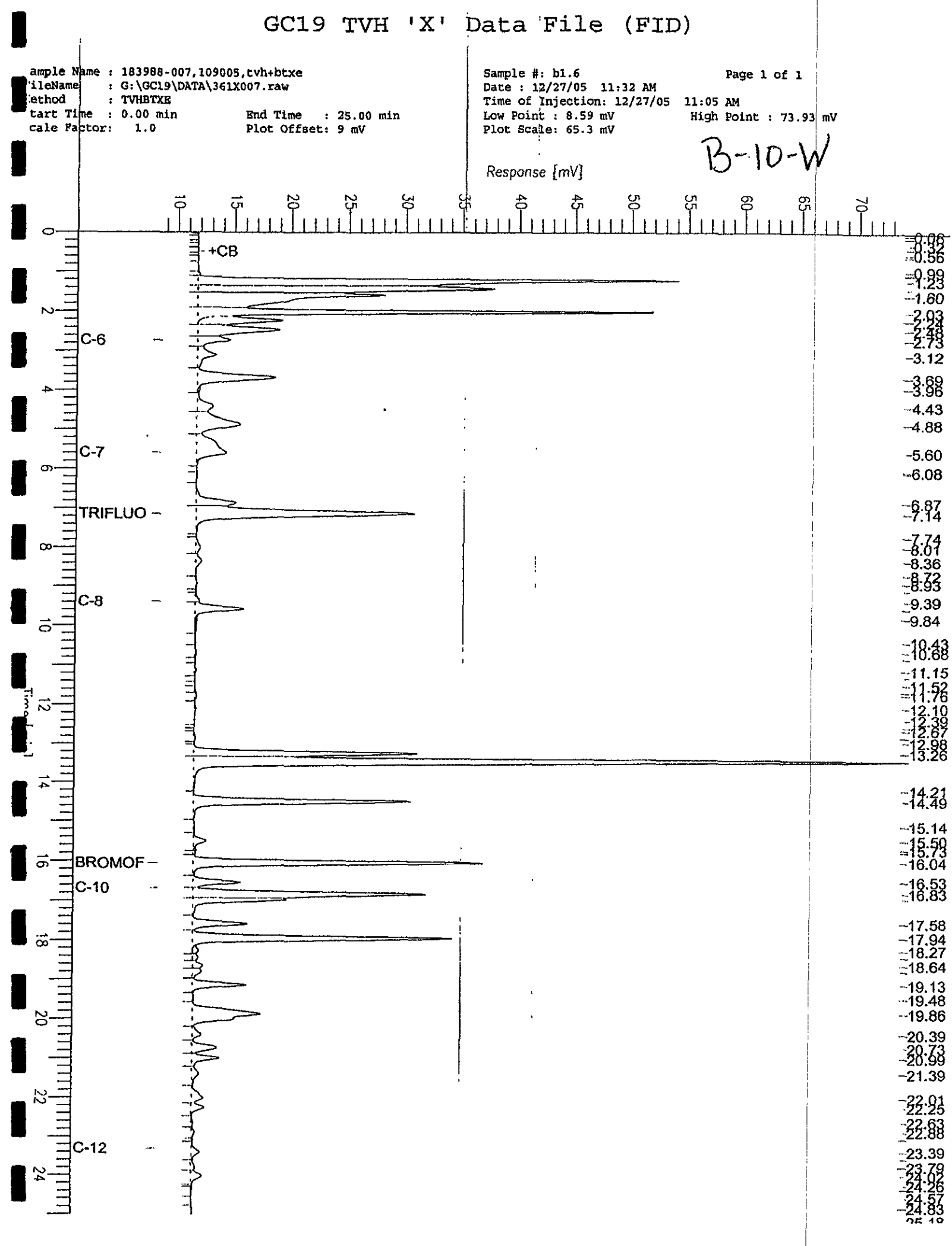
*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

ample Name : 183988-007,109005,tvh+btxe
'ileName : G:\GC19\DATA\361X007.raw
:ethod : TVHBTXE
tart Time : 0.00 min End Time : 25.00 min
cale Factor: 1.0 Plot Offset: 9 mV

Sample #: b1.6 Page 1 of 1
Date : 12/27/05 11:32 AM
Time of Injection: 12/27/05 11:05 AM
Low Point : 8.59 mV High Point : 73.93 mV
Plot Scale: 65.3 mV

B-10-W

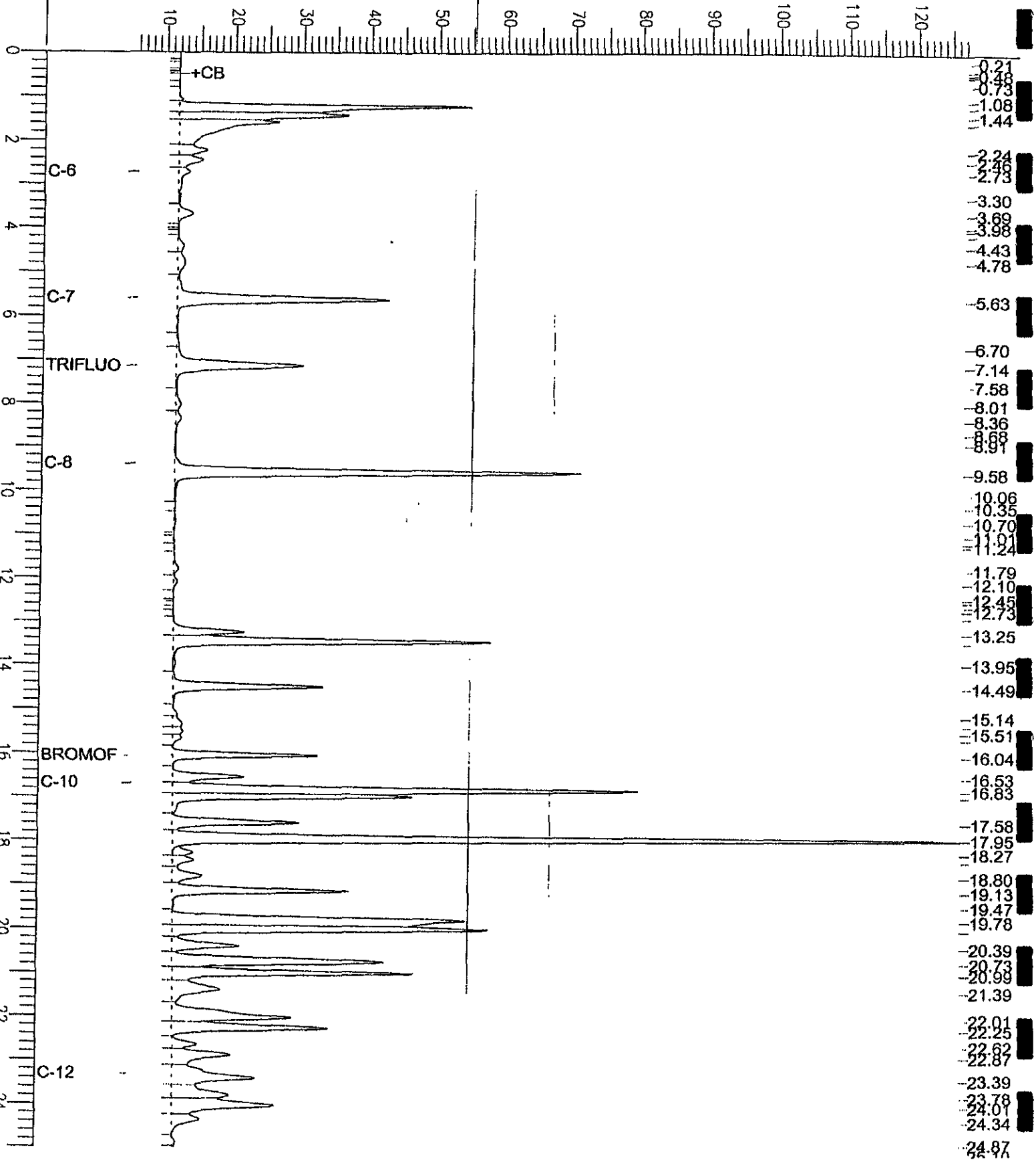


GC19 TVH 'X' Data File (FID)

Sample Name : 183988-011,109005,tvh+btxe
FileName : G:\GC19\DATA\361X024.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 6 mV

Sample #: d1.6 Page 1 of 1
Date : 12/27/05 09:25 PM
Time of Injection: 12/27/05 08:58 PM
Low Point : 5.86 mV High Point : 127.08 mV
Plot Scale: 121.2 mV

B-11-W



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Field ID:	B-12-W	Diln Fac:	500.0
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-015		

Analyte	Result	RL	Batch#	Analyzed	Analysis
Gasoline C7-C12	260,000	25,000	109128	12/30/05	EPA 8015B
Mineral Spirits C7-C12	180,000 Y b	25,000	109291	01/06/06	EPA 8015B
Benzene	24,000	250	109128	12/30/05	EPA 8021B
Toluene	39,000	250	109128	12/30/05	EPA 8021B
Ethylbenzene	6,500	250	109128	12/30/05	EPA 8021B
m,p-Xylenes	24,000	250	109128	12/30/05	EPA 8021B
o-Xylene	10,000	250	109128	12/30/05	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	110	62-141	109128	12/30/05	EPA 8015B
Bromofluorobenzene (FID)	111	78-134	109128	12/30/05	EPA 8015B
Trifluorotoluene (PID)	99	67-127	109128	12/30/05	EPA 8021B
Bromofluorobenzene (PID)	104	80-122	109128	12/30/05	EPA 8021B

Field ID:	B-13-W	Batch#:	109128
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-018	Analyzed:	12/29/05
Diln Fac:	100.0		

Analyte	Result	RL	Analysis
Gasoline C7-C12	290,000	5,000	EPA 8015B
Benzene	8,600	50	EPA 8021B
Toluene	34,000	50	EPA 8021B
Ethylbenzene	6,700	50	EPA 8021B
m,p-Xylenes	26,000	50	EPA 8021B
o-Xylene	11,000	50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	122	62-141	EPA 8015B
Bromofluorobenzene (FID)	114	78-134	EPA 8015B
Trifluorotoluene (PID)	115	67-127	EPA 8021B
Bromofluorobenzene (PID)	100	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

11.3

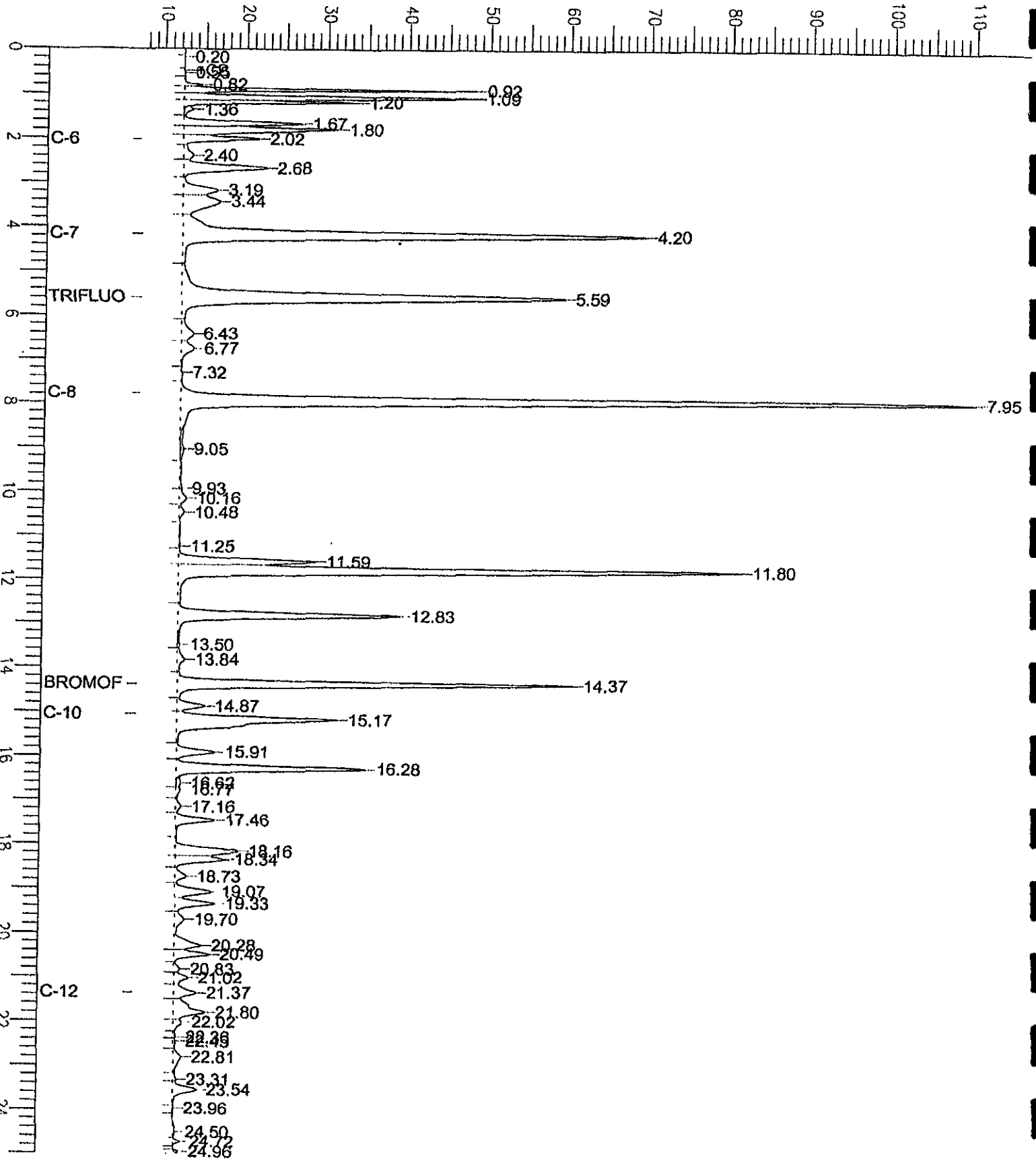
Chromatogram

ample Name : 183988-015,109128,tvh+btxe
ileName : G:\GC05\DATA\363G043.raw
ethod : TVHBTXE
tart Time : 0.00 min End Time : 25.00 min
cale Factor: 1.0 Plot Offset: 7 mV

Sample #: d2.2 Page 1 of 1
Date : 12/30/05 10:40 AM
Time of Injection: 12/30/05 10:15 AM
Low Point : 7.30 mV High Point : 110.44 mV
Plot Scale: 103.1 mV

B-12-W

Response [mV]

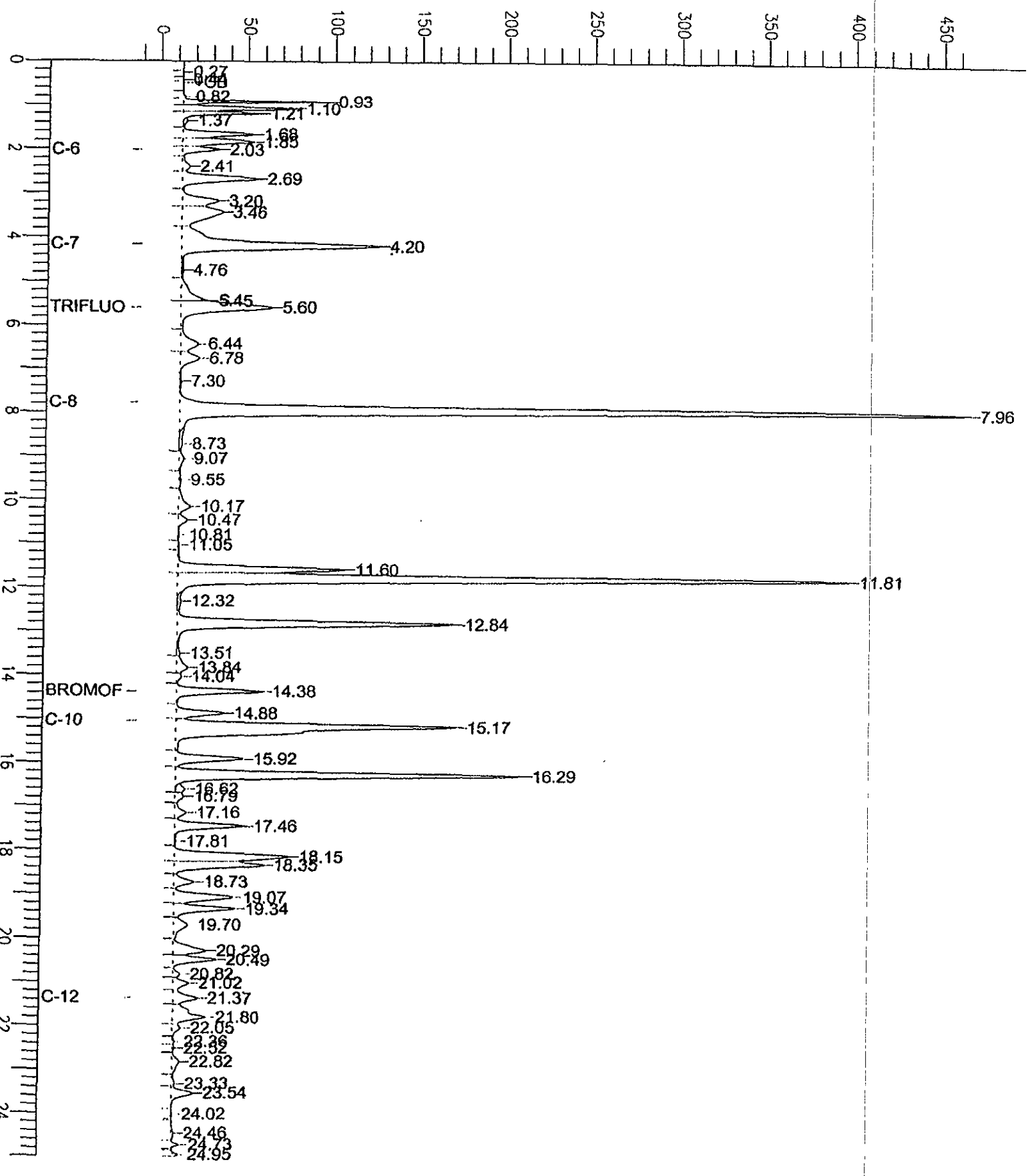


Chromatogram

Sample Name : 183988-018,109128,tvh+btxe
FileName : G:\GC05\DATA\363G021.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -10 mV

Sample #: b1.6
Date : 12/30/05 02:54 PM
Time of Injection: 12/29/05 10:09 PM
Low Point : -10.41 mV High Point : 467.00 mV
Plot Scale: 477.4 mV

B-13-W



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Field ID:	B-14-W	Batch#:	109128
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-022	Analyzed:	12/29/05
Diln Fac:	25.00		

Analyte	Result	RL	Analysis
Gasoline C7-C12	47,000	1,300	EPA 8015B
Benzene	1,500	13	EPA 8021B
Toluene	5,900	13	EPA 8021B
Ethylbenzene	1,200	13	EPA 8021B
m,p-Xylenes	4,900	13	EPA 8021B
o-Xylene	2,200	13	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	125	62-141	EPA 8015B
Bromofluorobenzene (FID)	113	78-134	EPA 8015B
Trifluorotoluene (PID)	112	67-127	EPA 8021B
Bromofluorobenzene (PID)	103	80-122	EPA 8021B

Field ID:	MW-3	Batch#:	109005
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-026	Analyzed:	12/27/05
Diln Fac:	40.00		

Analyte	Result	RL	Analysis
Gasoline C7-C12	54,000	2,000	EPA 8015B
Benzene	6,000	20	EPA 8021B
Toluene	10,000	20	EPA 8021B
Ethylbenzene	1,700	20	EPA 8021B
m,p-Xylenes	7,000	20	EPA 8021B
o-Xylene	2,600	20	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	62-141	EPA 8015B
Bromofluorobenzene (FID)	105	78-134	EPA 8015B
Trifluorotoluene (PID)	98	67-127	EPA 8021B
Bromofluorobenzene (PID)	119	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

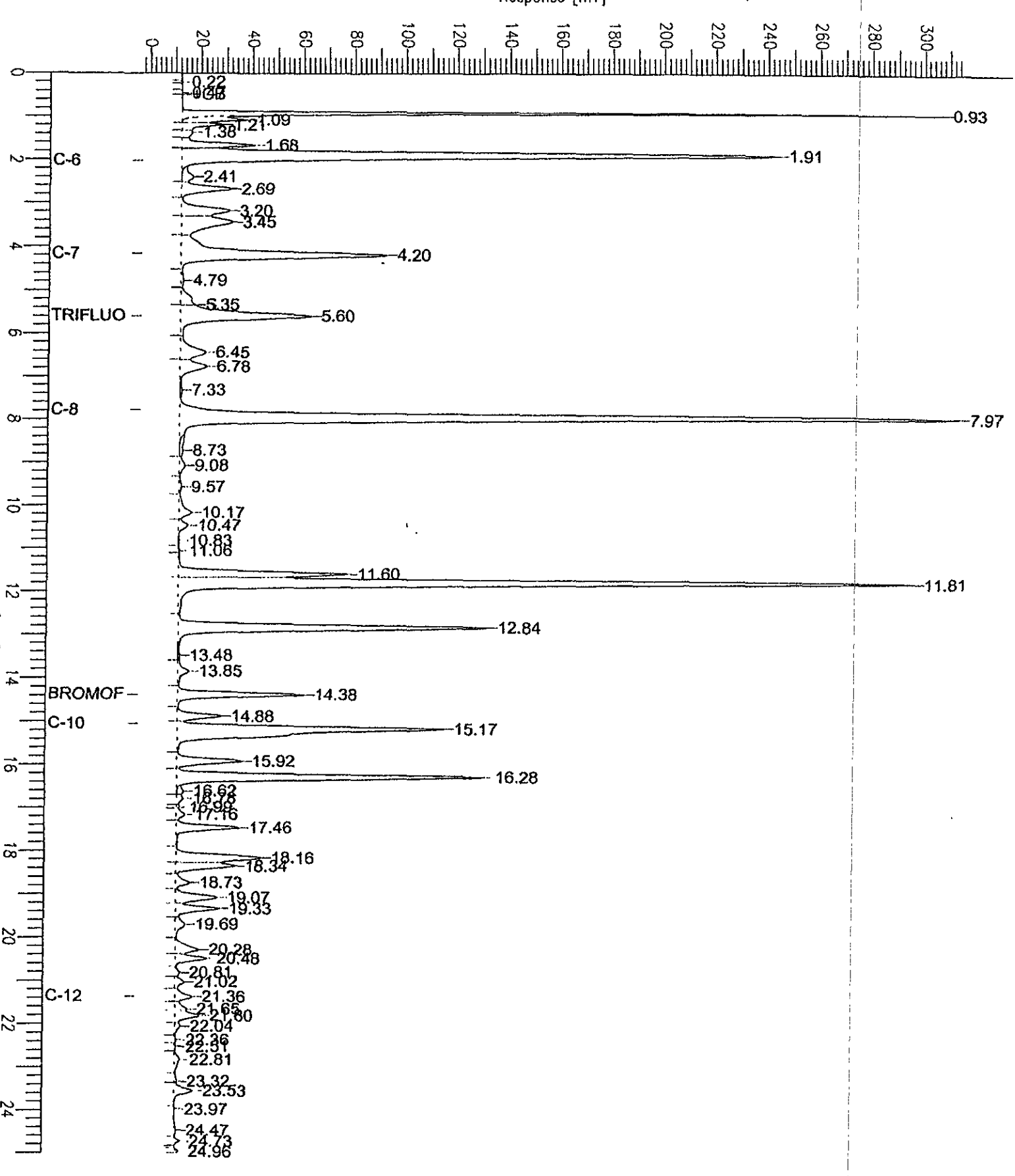
11.1

Chromatogram

Sample Name : 183988-022,109128,tvh+btxe
FileName : G:\GC05\DATA\363G022.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -3 mV

Sample #: c7.0 Page 1 of 1
Date : 12/30/05 02:54 PM
Time of Injection: 12/29/05 10:40 PM
Low Point : -2.92 mV High Point : 314.71 mV
Plot Scale: 317.6 mV

B-14-W

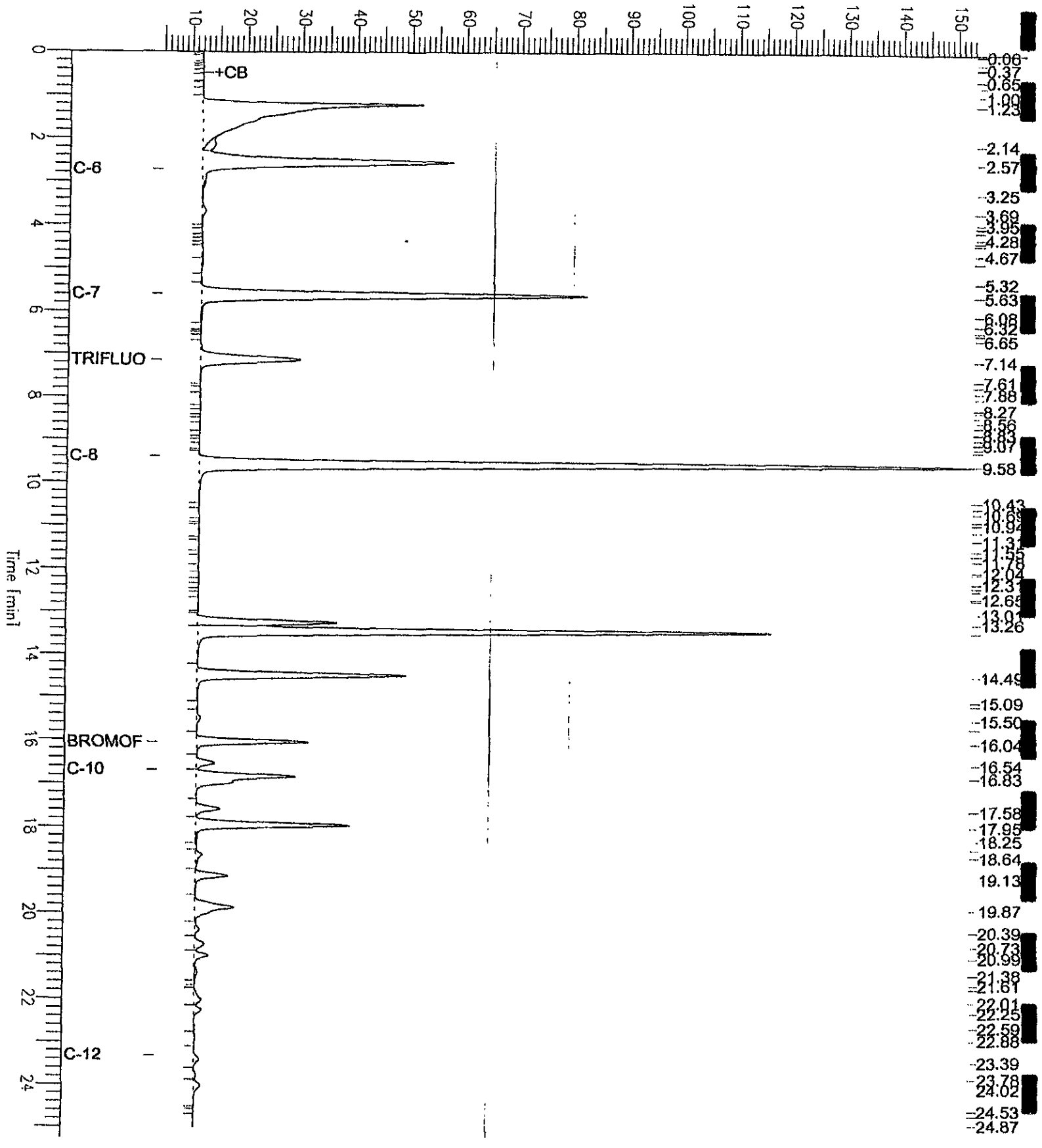


GC19 TVH 'X' Data File (FID)

Sample Name : 183988-026,109005,tvh+btxe
FileName : G:\GC19\DATA\361X009.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 5 mV

Sample #: a1.9 Page 1 of 1
Date : 12/27/05 12:40 PM
Time of Injection: 12/27/05 12:13 PM
Low Point : 4.68 mV High Point : 153.12 mV
Plot Scale: 148.4 mV

MW-3

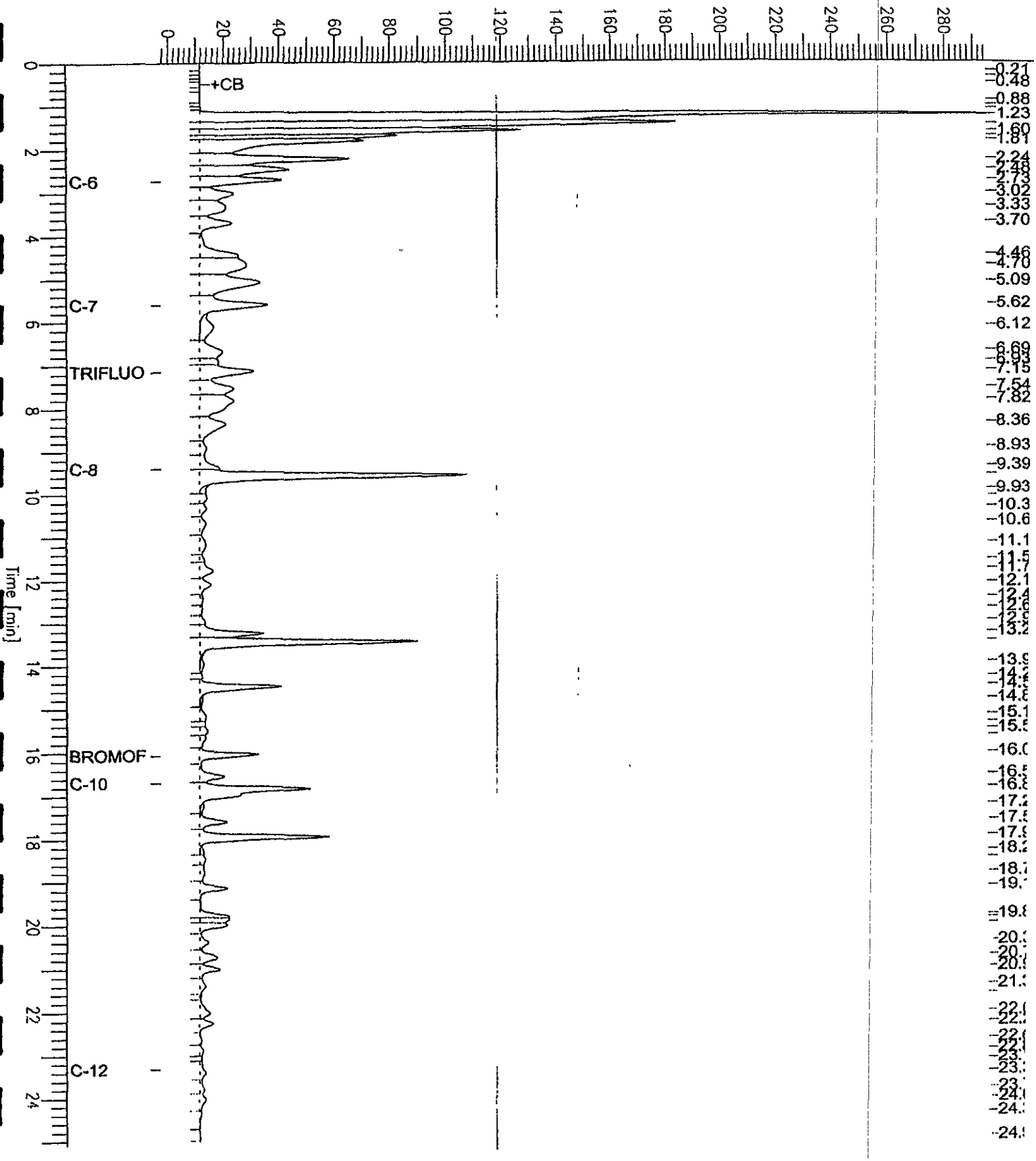


GC19 TVH 'X' Data File (FID)

Sample Name : ccv/lcs,qc322276,109005,S2241,5/5000
FileName : G:\GC19\DATA\361X003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -2 mV

Sample #: Page 1 of 1
Date : 12/27/05 09:15 AM
Time of Injection: 12/27/05 08:48 AM
Low Point : -2.49 mV High Point : 294.97 mV
Plot Scale: 297.5 mV

GASOLINE



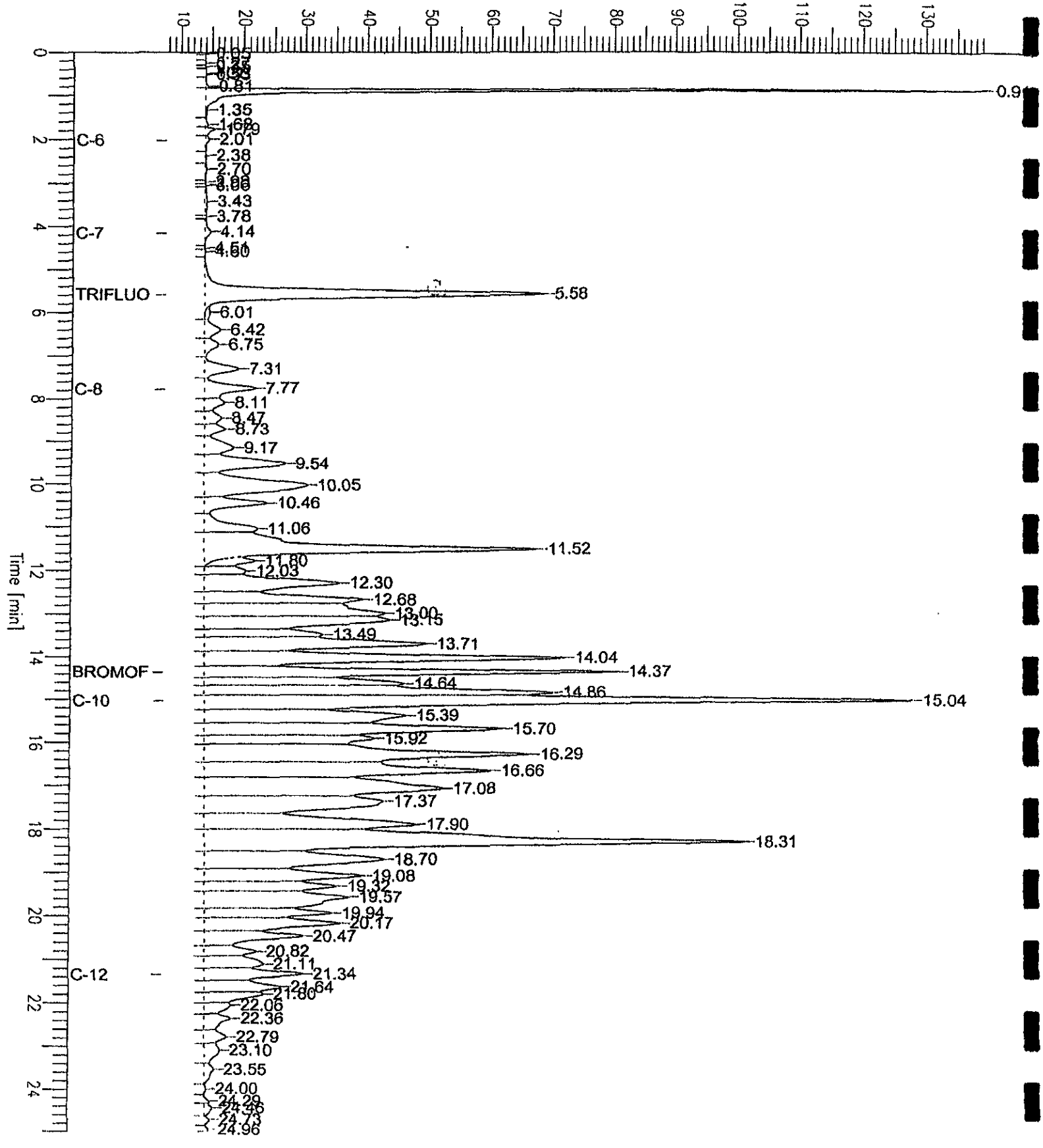
Chromatogram

Sample Name : ccv,minsp,109291,S1513,5/5000
FileName : G:\GC05\DATA\006G004.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 8 mV

Sample #: Page 1 of 1
Date : 1/6/06 09:30 AM
Time of Injection: 1/6/06 09:05 AM
Low Point : 7.55 mV High Point : 139.46 mV
Plot Scale: 131.9 mV

Response [mV]

Mineral Spirits



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Type:	BLANK	Batch#:	109005
Lab ID:	QC322274	Analyzed:	12/27/05
Diln Fac:	1.000		

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	90	62-141	EPA 8015B
Bromofluorobenzene (FID)	109	78-134	EPA 8015B
Trifluorotoluene (PID)	97	67-127	EPA 8021B
Bromofluorobenzene (PID)	114	80-122	EPA 8021B

Type:	BLANK	Batch#:	109128
Lab ID:	QC322727	Analyzed:	12/29/05
Diln Fac:	1.000		

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	102	62-141	EPA 8015B
Bromofluorobenzene (FID)	108	78-134	EPA 8015B
Trifluorotoluene (PID)	94	67-127	EPA 8021B
Bromofluorobenzene (PID)	101	80-122	EPA 8021B

Type:	BLANK	Batch#:	109291
Lab ID:	QC323347	Analyzed:	01/06/06
Diln Fac:	1.000	Analysis:	EPA 8015B

Analyte	Result	RL
Mineral Spirits C7-C12	ND	50

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		115	62-141
Bromofluorobenzene (FID)		120	78-134
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC322275	Batch#:	109005
Matrix:	Water	Analyzed:	12/27/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	21.57	108	80-120
Toluene	20.00	21.08	105	80-120
Ethylbenzene	20.00	20.62	103	80-120
m,p-Xylenes	20.00	21.48	107	80-120
o-Xylene	20.00	20.24	101	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	103	67-127
Bromofluorobenzene (PID)	122	80-122

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC322276	Batch#:	109005
Matrix:	Water	Analyzed:	12/27/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,879	94	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	62-141
Bromofluorobenzene (FID)	116	78-134

13 0

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC322728	Batch#:	109128
Matrix:	Water	Analyzed:	12/29/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	19.71	99	80-120
Toluene	20.00	18.50	92	80-120
Ethylbenzene	20.00	20.17	101	80-120
m,p-Xylenes	20.00	19.01	95	80-120
o-Xylene	20.00	19.88	99	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	99	67-127
Bromofluorobenzene (PID)	103	80-122

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC322729	Batch#:	109128
Matrix:	Water	Analyzed:	12/29/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,129	106	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	62-141
Bromofluorobenzene (FID)	131	78-134

16.0

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323349	Batch#:	109291
Matrix:	Water	Analyzed:	01/06/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,074	104	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	141	62-141
Bromofluorobenzene (FID)	132	78-134

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	109005
MSS Lab ID:	184029-001	Sampled:	12/23/05
Matrix:	Water	Received:	12/27/05
Units:	ug/L	Analyzed:	12/28/05
Diln Fac:	1.000		

Type: MS Lab ID: QC322353

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	42.07	2,000	2,107	103	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	62-141
Bromofluorobenzene (FID)	130	78-134

Type: MSD Lab ID: QC322354

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,177	107	80-120	3	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	62-141
Bromofluorobenzene (FID)	132	78-134

RPD= Relative Percent Difference

14 0

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	109128
MSS Lab ID:	184040-001	Sampled:	12/27/05
Matrix:	Water	Received:	12/28/05
Units:	ug/L	Analyzed:	12/30/05
Diln Fac:	1.000		

Type: MS Lab ID: QC322738

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	13.68	2,000	1,930	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	62-141
Bromofluorobenzene (FID)	120	78-134

Type: MSD Lab ID: QC322739

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,003	99	80-120	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	62-141
Bromofluorobenzene (FID)	132	78-134

RPD= Relative Percent Difference

17 1

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Field ID:	B-10-W	Batch#:	109291
MSS Lab ID:	183988-007	Sampled:	12/20/05
Matrix:	Water	Received:	12/22/05
Units:	ug/L	Analyzed:	01/06/06
Diln Fac:	1.000		

Type: MS Lab ID: QC323461

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	666.3	2,000	2,563	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	160 *	62-141
Bromofluorobenzene (FID)	138 *	78-134

Type: MSD Lab ID: QC323462

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,584	96	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	162 *	62-141
Bromofluorobenzene (FID)	135 *	78-134

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

39.0

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Field ID:	B-8-5	Batch#:	109100
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-002	Analyzed:	12/29/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	4.6	1.0	mg/Kg	EPA 8015B
Benzene	100	5.2	ug/Kg	EPA 8021B
Toluene	14	5.2	ug/Kg	EPA 8021B
Ethylbenzene	130	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	560	5.2	ug/Kg	EPA 8021B
o-Xylene	120	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	59-140	EPA 8015B
Bromofluorobenzene (FID)	118	62-149	EPA 8015B
Trifluorotoluene (PID)	102	63-125	EPA 8021B
Bromofluorobenzene (PID)	117	71-129	EPA 8021B

Field ID:	B-8-10	Batch#:	109100
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-003	Analyzed:	12/29/05
Diln Fac:	5.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	16	5.0	mg/Kg	EPA 8015B
Benzene	880	25	ug/Kg	EPA 8021B
Toluene	1,800	25	ug/Kg	EPA 8021B
Ethylbenzene	340	25	ug/Kg	EPA 8021B
m,p-Xylenes	1,200	25	ug/Kg	EPA 8021B
o-Xylene	550	25	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	124	59-140	EPA 8015B
Bromofluorobenzene (FID)	120	62-149	EPA 8015B
Trifluorotoluene (PID)	103	63-125	EPA 8021B
Bromofluorobenzene (PID)	120	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

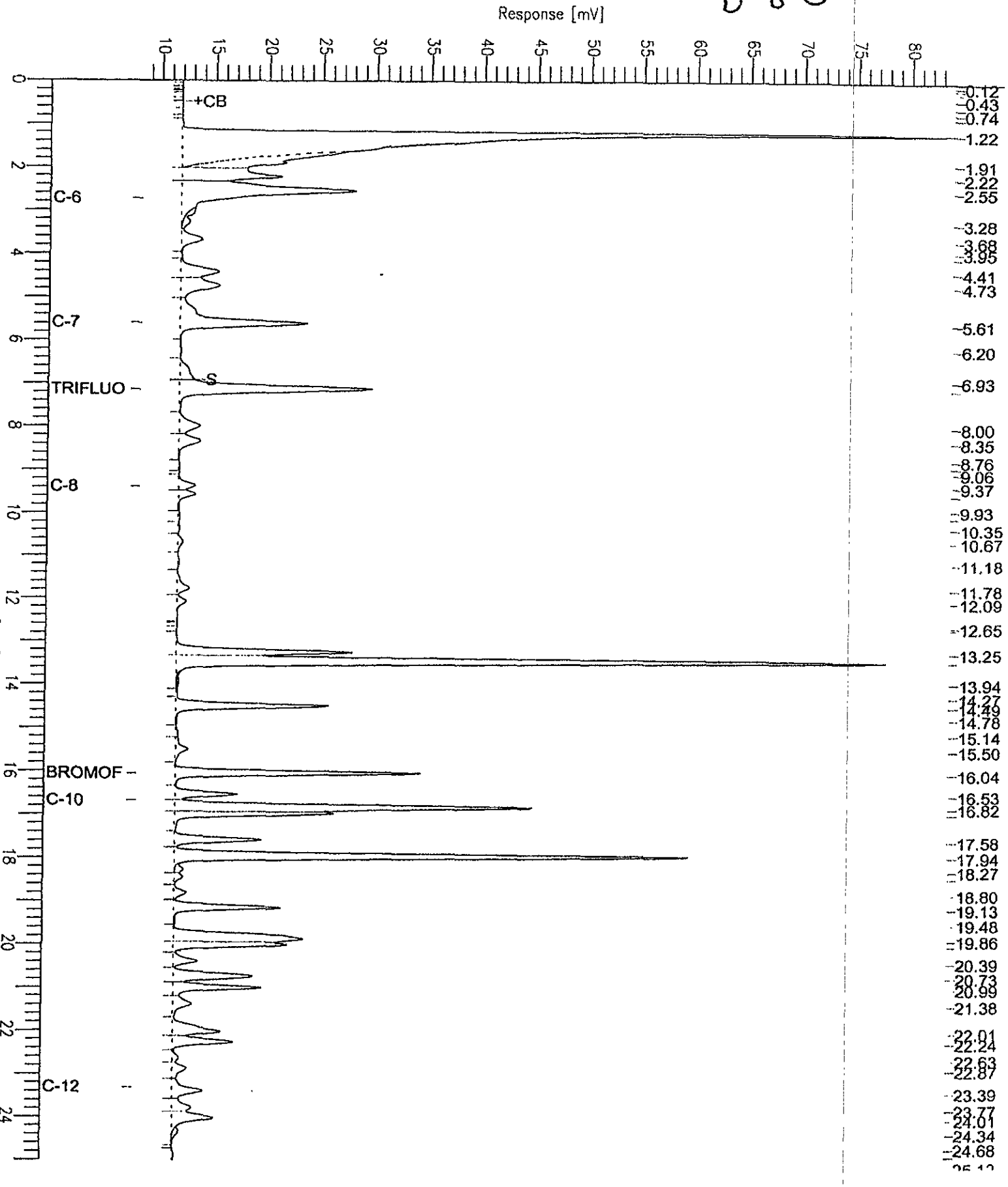
5.1

GC19 TVH 'X' Data File (FID)

Sample Name : 183988-002,109100,tvh+btxe
FileName : G:\GC19\DATA\363X007.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 8 mV

Sample #: a Page 1 of 1
Date : 12/30/05 11:56 AM
Time of Injection: 12/29/05 02:50 PM
Low Point : 8.18 mV High Point : 83.94 mV
Plot Scale: 75.8 mV

B-8-5

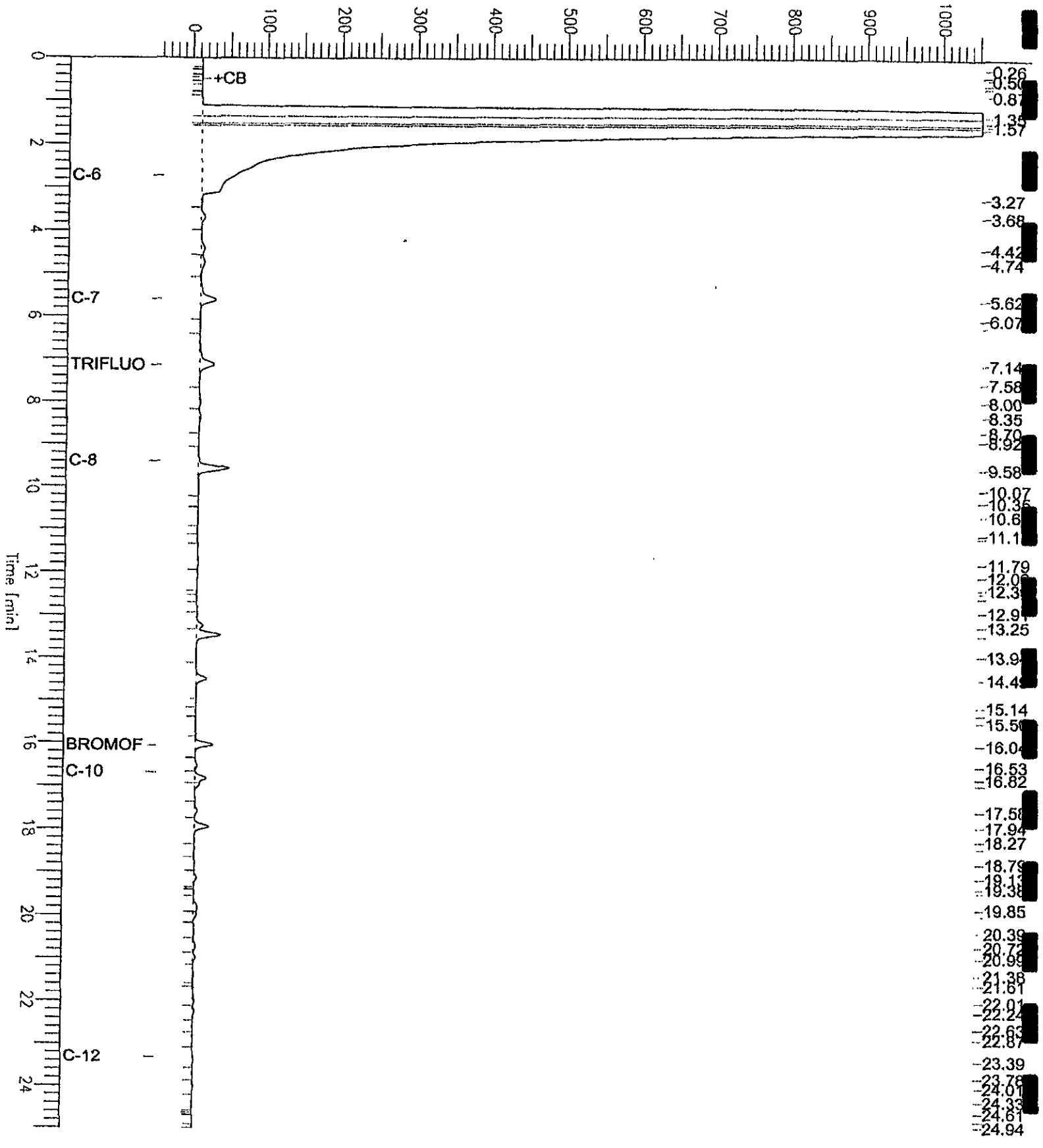


GC19 TVH 'X' Data File (FID)

Sample Name : 183988-003,109100,tvh+btxe
FileName : G:\GC19\DATA\363X021.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -40 mV

Sample #: a Page 1 of 1
Date : 12/29/05 11:13 PM
Time of Injection: 12/29/05 10:46 PM
Low Point : -40.21 mV High Point : 1052.13 mV
Plot Scale: 1092.3 mV

B-8-10



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Field ID:	B-9-6	Batch#:	109100
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-005	Analyzed:	12/29/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.6	ug/Kg	EPA 8021B
Toluene	ND	5.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.6	ug/Kg	EPA 8021B
o-Xylene	ND	5.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	59-140	EPA 8015B
Bromofluorobenzene (FID)	117	62-149	EPA 8015B
Trifluorotoluene (PID)	95	63-125	EPA 8021B
Bromofluorobenzene (PID)	111	71-129	EPA 8021B

Field ID:	B-9-11	Batch#:	109100
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-006	Analyzed:	12/29/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	102	59-140	EPA 8015B
Bromofluorobenzene (FID)	116	62-149	EPA 8015B
Trifluorotoluene (PID)	97	63-125	EPA 8021B
Bromofluorobenzene (PID)	115	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Field ID:	B-10-5	Batch#:	109047
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-008	Analyzed:	12/28/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Mineral Spirits C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	105	59-140	EPA 8015B
Bromofluorobenzene (FID)	109	62-149	EPA 8015B
Trifluorotoluene (PID)	96	63-125	EPA 8021B
Bromofluorobenzene (PID)	99	71-129	EPA 8021B

Field ID:	B-10-10	Batch#:	109047
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-009	Analyzed:	12/28/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	4.9	1.1	mg/Kg	EPA 8015B
Mineral Spirits C7-C12	4.7 Y	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.5	ug/Kg	EPA 8021B
Toluene	ND	5.5	ug/Kg	EPA 8021B
Ethylbenzene	130	5.5	ug/Kg	EPA 8021B
m,p-Xylenes	250	5.5	ug/Kg	EPA 8021B
o-Xylene	25	5.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	140	59-140	EPA 8015B
Bromofluorobenzene (FID)	112	62-149	EPA 8015B
Trifluorotoluene (PID)	114	63-125	EPA 8021B
Bromofluorobenzene (PID)	101	71-129	EPA 8021B

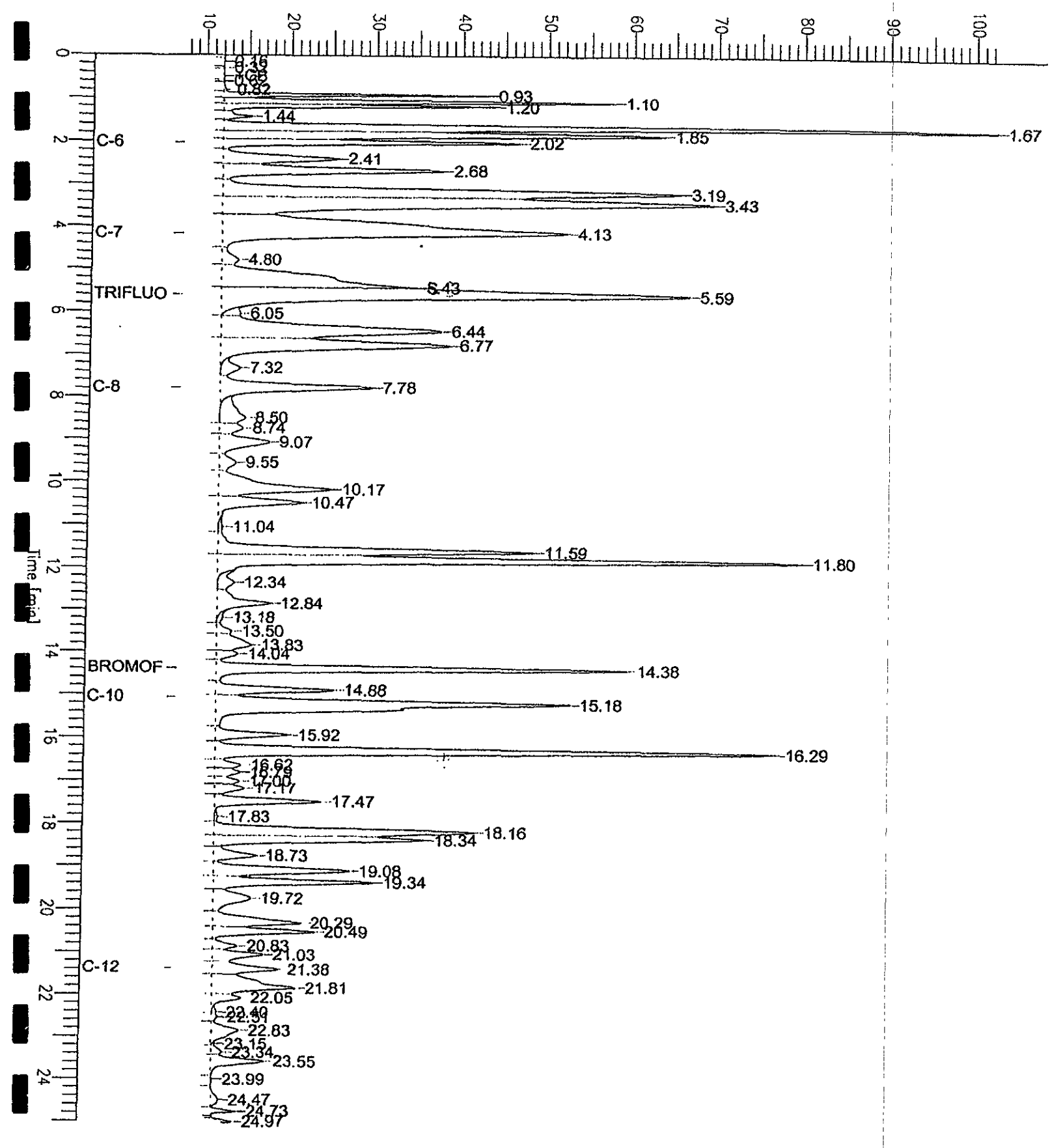
*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 183988-009,109047,minsp
FileName : G:\GC05\DATA\362G007.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 7 mV

Sample #: a
Date : 12/29/05 01:12 PM
Time of Injection: 12/28/05 11:25 AM
Low Point : 7.42 mV High Point : 102.50 mV
Plot Scale: 95.1 mV

B-10-10



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Field ID:	B-10-15	Batch#:	109047
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-010	Analyzed:	12/28/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Mineral Spirits C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.5	ug/Kg	EPA 8021B
Toluene	16	5.5	ug/Kg	EPA 8021B
Ethylbenzene	100	5.5	ug/Kg	EPA 8021B
m,p-Xylenes	40	5.5	ug/Kg	EPA 8021B
o-Xylene	18	5.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	105	59-140	EPA 8015B
Bromofluorobenzene (FID)	103	62-149	EPA 8015B
Trifluorotoluene (PID)	97	63-125	EPA 8021B
Bromofluorobenzene (PID)	95	71-129	EPA 8021B

Field ID:	B-11-5	Batch#:	109100
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-012	Analyzed:	12/29/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	59-140	EPA 8015B
Bromofluorobenzene (FID)	117	62-149	EPA 8015B
Trifluorotoluene (PID)	99	63-125	EPA 8021B
Bromofluorobenzene (PID)	117	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Field ID:	B-11-10	Batch#:	109100
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-013	Analyzed:	12/29/05
Diln Fac:	5.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	15	5.0	mg/Kg	EPA 8015B
Benzene	750	25	ug/Kg	EPA 8021B
Toluene	1,900	25	ug/Kg	EPA 8021B
Ethylbenzene	420	25	ug/Kg	EPA 8021B
m,p-Xylenes	1,700	25	ug/Kg	EPA 8021B
o-Xylene	720	25	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	117	59-140	EPA 8015B
Bromofluorobenzene (FID)	119	62-149	EPA 8015B
Trifluorotoluene (PID)	100	63-125	EPA 8021B
Bromofluorobenzene (PID)	114	71-129	EPA 8021B

Field ID:	B-11-14	Batch#:	109100
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-014	Analyzed:	12/29/05
Diln Fac:	5.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	8.3	5.0	mg/Kg	EPA 8015B
Benzene	260	25	ug/Kg	EPA 8021B
Toluene	260	25	ug/Kg	EPA 8021B
Ethylbenzene	250	25	ug/Kg	EPA 8021B
m,p-Xylenes	650	25	ug/Kg	EPA 8021B
o-Xylene	260	25	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	103	59-140	EPA 8015B
Bromofluorobenzene (FID)	118	62-149	EPA 8015B
Trifluorotoluene (PID)	97	63-125	EPA 8021B
Bromofluorobenzene (PID)	120	71-129	EPA 8021B

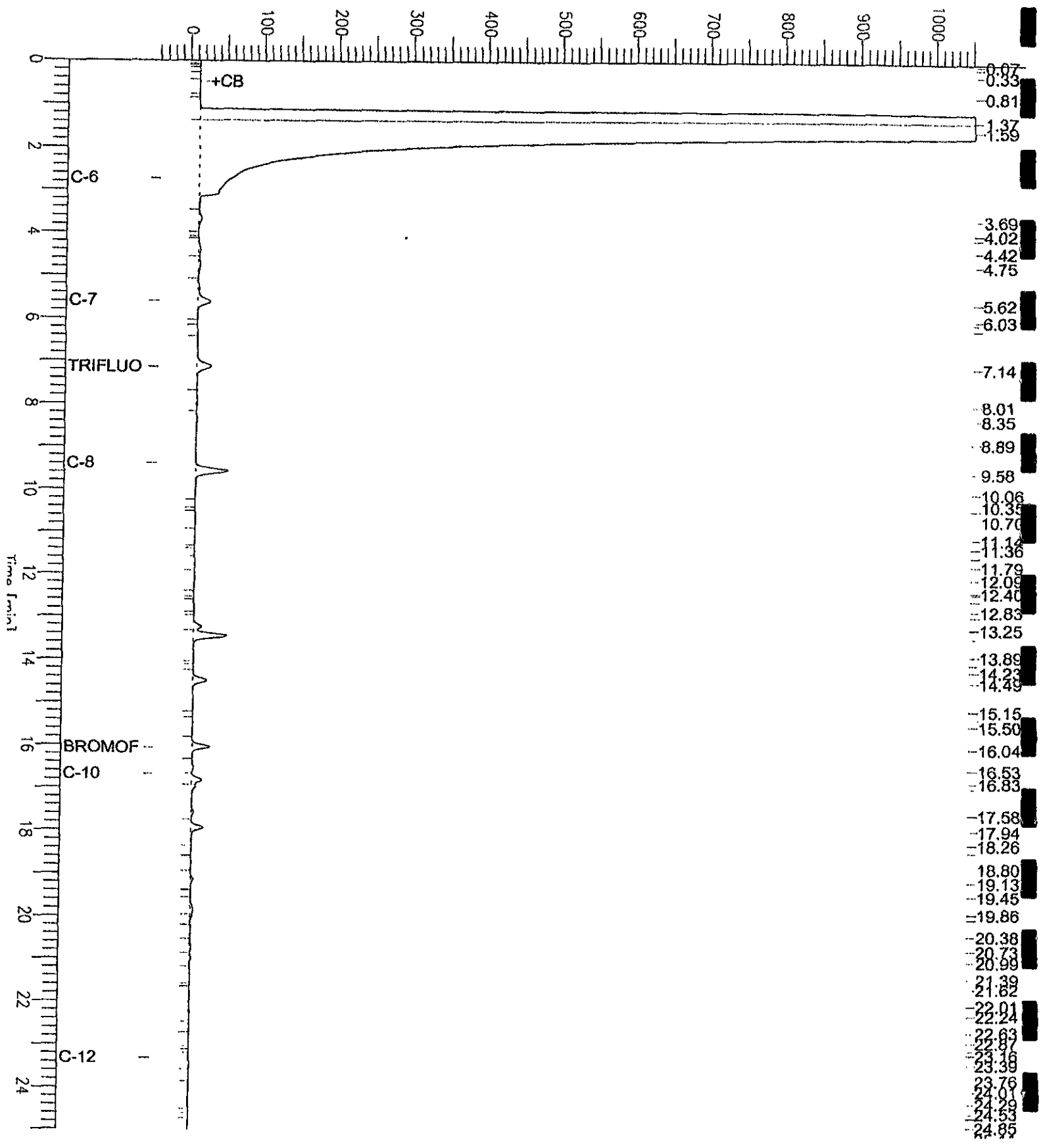
*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 183988-013,109100,tvh+btxe
FileName : G:\GC19\DATA\363X022.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -40 mV

Sample #: a Page 1 of 1
Date : 12/29/05 11:47 PM
Time of Injection: 12/29/05 11:20 PM
Low Point : -40.15 mV High Point : 1052.11 mV
Plot Scale: 1092.3 mV

B-11-10

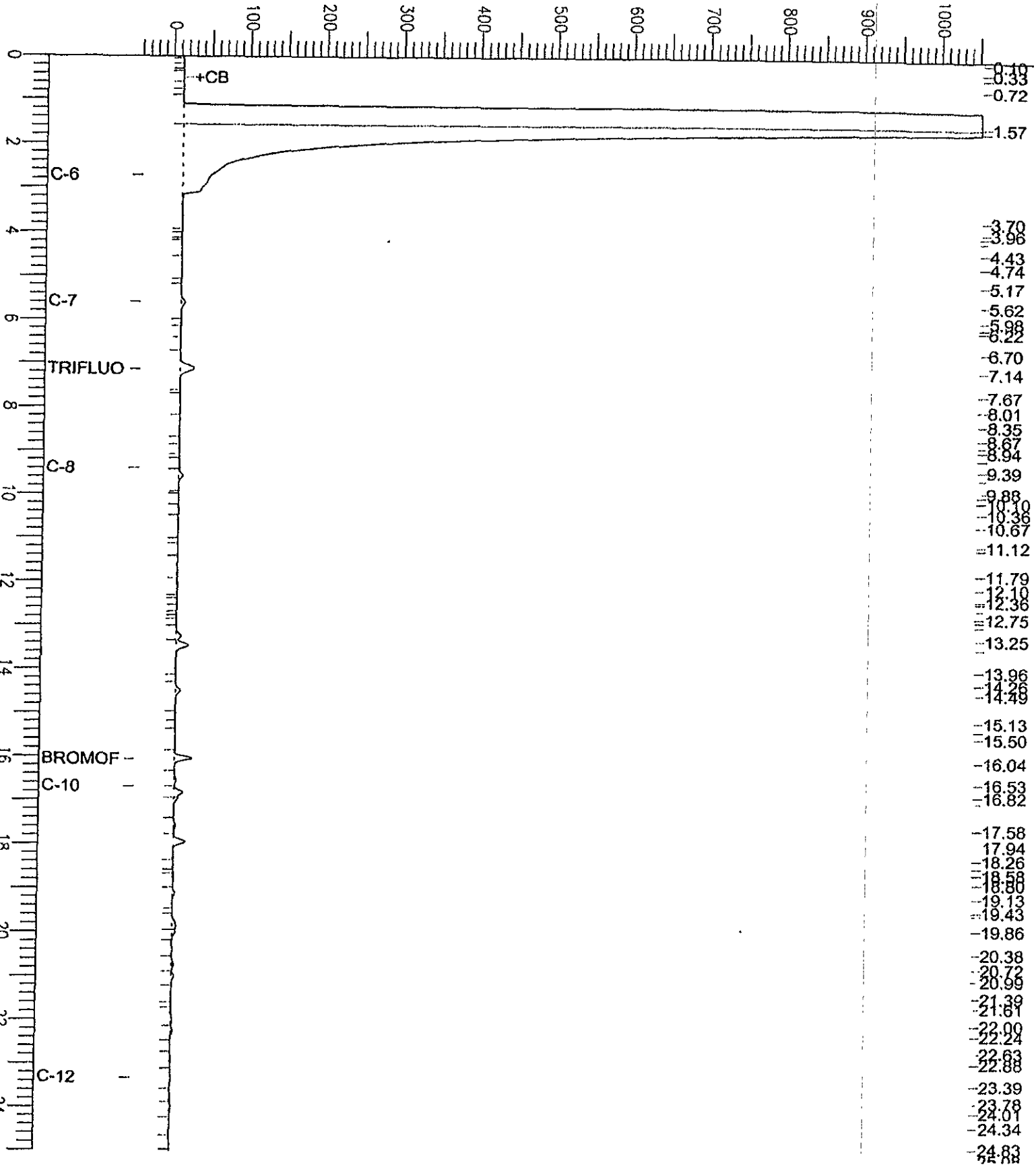


GC19 TVH 'X' Data File (FID)

Sample Name : 183988-014,109100,tvh+btxe
FileName : G:\GC19\DATA\363X023.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -40 mV

Sample #: a Page 1 of 1
Date : 12/30/05 12:21 AM
Time of Injection: 12/29/05 11:54 PM
Low Point : -40.24 mV High Point : 1052.13 mV
Plot Scale: 1092.4 mV

B-11-14



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Field ID:	B-12-5	Batch#:	109047
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-016	Analyzed:	12/28/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	6.4	0.92	mg/Kg	EPA 8015B
Mineral Spirits C7-C12	6.2 Y	0.92	mg/Kg	EPA 8015B
Benzene	450	4.6	ug/Kg	EPA 8021B
Toluene	1,000	4.6	ug/Kg	EPA 8021B
Ethylbenzene	180	4.6	ug/Kg	EPA 8021B
m,p-Xylenes	660	4.6	ug/Kg	EPA 8021B
o-Xylene	220	4.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	123	59-140	EPA 8015B
Bromofluorobenzene (FID)	109	62-149	EPA 8015B
Trifluorotoluene (PID)	124	63-125	EPA 8021B
Bromofluorobenzene (PID)	102	71-129	EPA 8021B

Field ID:	B-12-11	Batch#:	109047
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-017	Analyzed:	12/28/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	5.6	0.92	mg/Kg	EPA 8015B
Mineral Spirits C7-C12	5.5 Y	0.92	mg/Kg	EPA 8015B
Benzene	180	4.6	ug/Kg	EPA 8021B
Toluene	9.1	4.6	ug/Kg	EPA 8021B
Ethylbenzene	460	4.6	ug/Kg	EPA 8021B
m,p-Xylenes	220	4.6	ug/Kg	EPA 8021B
o-Xylene	31	4.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	119	59-140	EPA 8015B
Bromofluorobenzene (FID)	107	62-149	EPA 8015B
Trifluorotoluene (PID)	115	63-125	EPA 8021B
Bromofluorobenzene (PID)	101	71-129	EPA 8021B

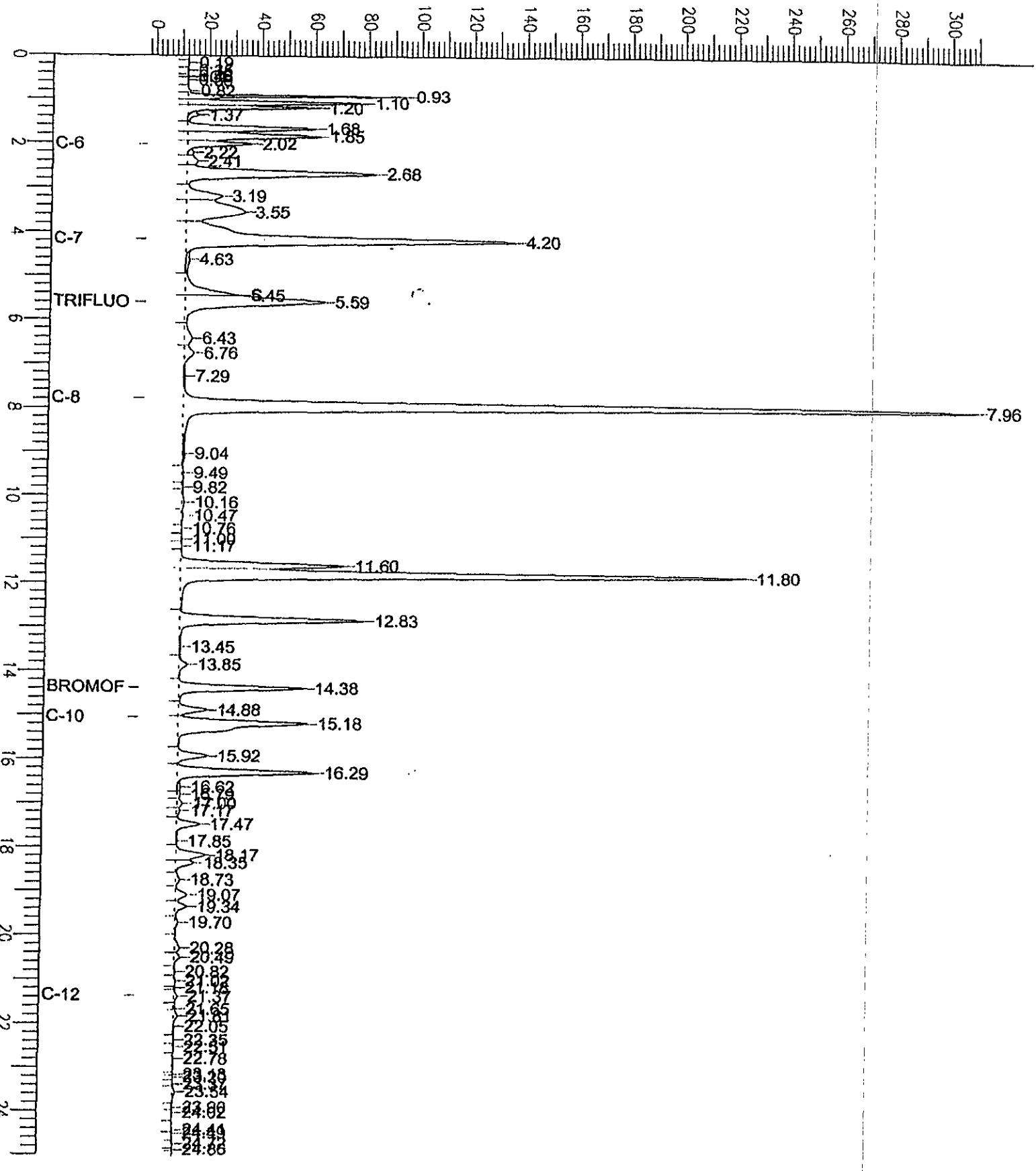
*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 183988-016,109047,minsp
FileName : G:\GC05\DATA\362G009.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -3 mV

Sample #: a
Date : 12/29/05 01:12 PM
Time of Injection: 12/28/05 12:29 PM
Low Point : -3.04 mV High Point : 310.86 mV
Plot Scale: 313.9 mV

B-12-5

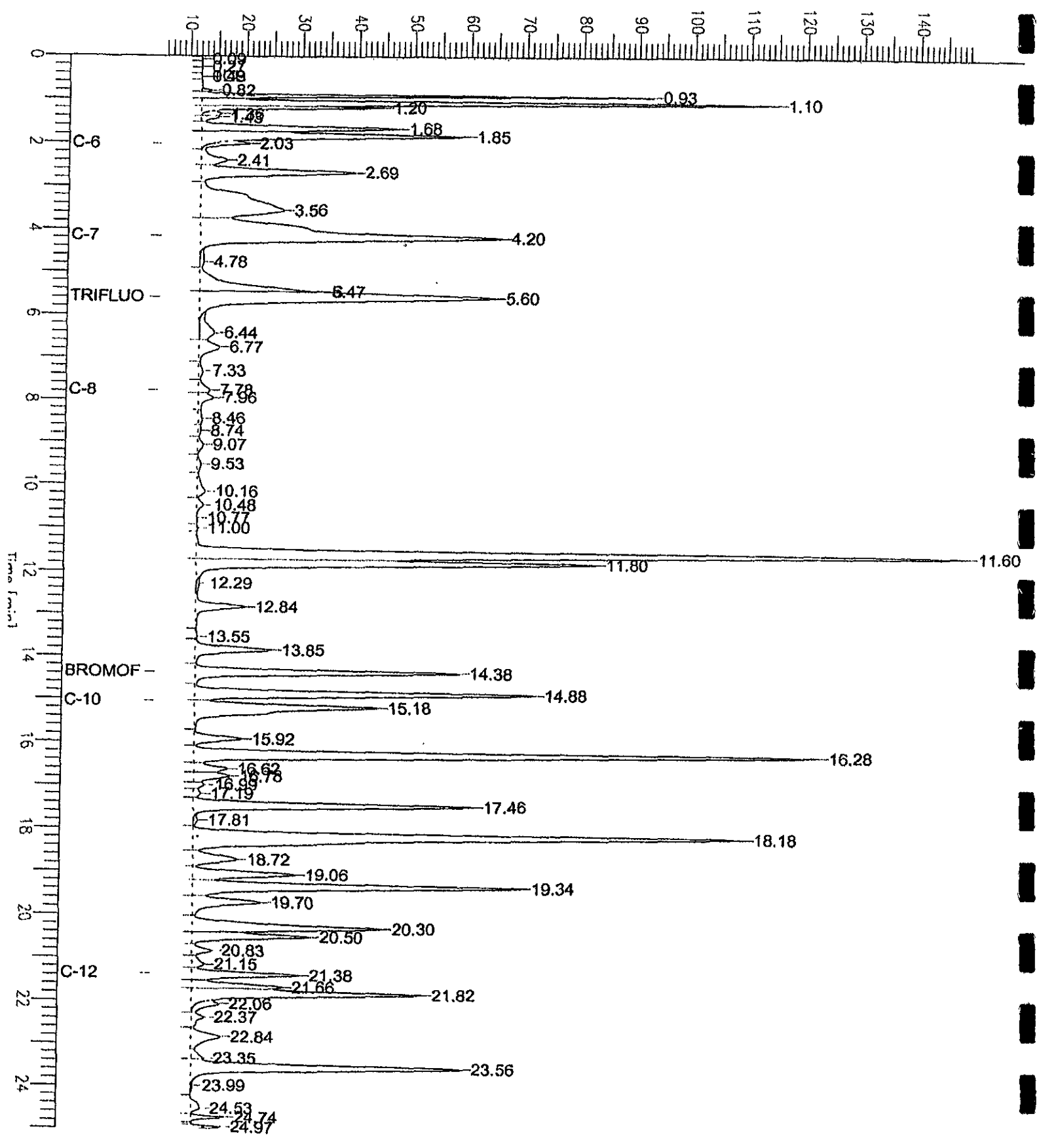


Chromatogram

Sample Name : 183988-017,109047,minsp
FileName : G:\GC05\DATA\362G010.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 5 mV

Sample #: a Page 1 of 1
Date : 12/29/05 01:12 PM
Time of Injection: 12/28/05 01:01 PM
Low Point : 5.02 mV High Point : 149.63 mV
Plot Scale: 144.6 mV

B-12-11



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Field ID:	B-13-6	Batch#:	109100
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-019	Analyzed:	12/29/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	2.3	0.95	mg/Kg	EPA 8015B
Benzene	13 C	4.8	ug/Kg	EPA 8021B
Toluene	9.5 C	4.8	ug/Kg	EPA 8021B
Ethylbenzene	76	4.8	ug/Kg	EPA 8021B
m,p-Xylenes	250	4.8	ug/Kg	EPA 8021B
o-Xylene	100	4.8	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	59-140	EPA 8015B
Bromofluorobenzene (FID)	126	62-149	EPA 8015B
Trifluorotoluene (PID)	101	63-125	EPA 8021B
Bromofluorobenzene (PID)	123	71-129	EPA 8021B

Field ID:	B-13-10	Batch#:	109100
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-020	Analyzed:	12/29/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	16	5.6	ug/Kg	EPA 8021B
Toluene	57	5.6	ug/Kg	EPA 8021B
Ethylbenzene	18	5.6	ug/Kg	EPA 8021B
m,p-Xylenes	67	5.6	ug/Kg	EPA 8021B
o-Xylene	28	5.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	105	59-140	EPA 8015B
Bromofluorobenzene (FID)	126	62-149	EPA 8015B
Trifluorotoluene (PID)	100	63-125	EPA 8021B
Bromofluorobenzene (PID)	123	71-129	EPA 8021B

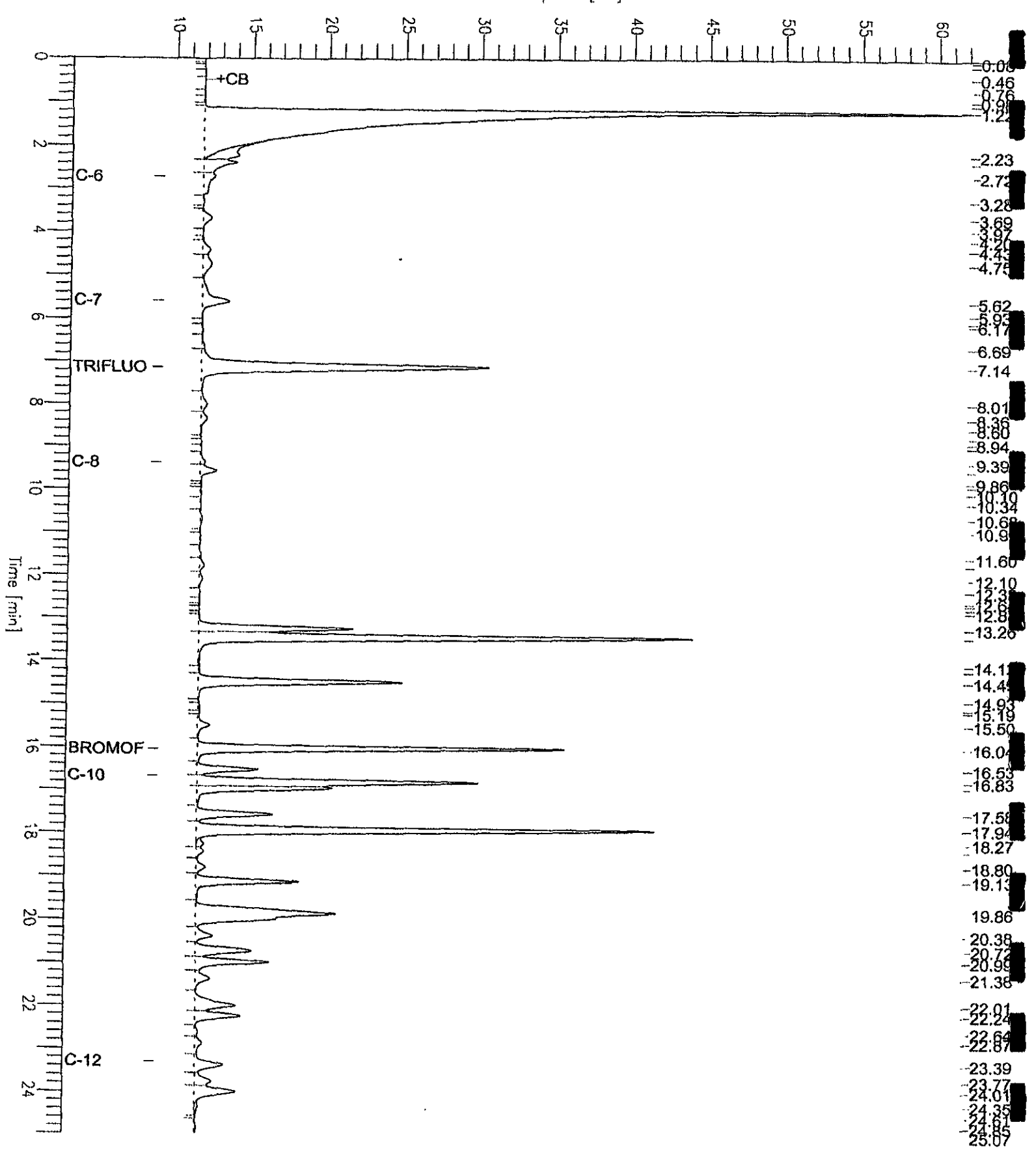
*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 183988-019,109100,tvh+btxe
FileName : G:\GC19\DATA\363X011.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 9 mV

Sample #: a Page 1 of 1
Date : 12/29/05 05:33 PM
Time of Injection: 12/29/05 05:06 PM
Low Point : 9.18 mV High Point : 62.04 mV
Plot Scale: 52.9 mV

B-13-6



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Field ID:	B-13-15	Batch#:	109100
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-021	Analyzed:	12/29/05
Diln Fac:	50.00		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	500	50	mg/Kg	EPA 8015B
Benzene	1,700 C	250	ug/Kg	EPA 8021B
Toluene	19,000	250	ug/Kg	EPA 8021B
Ethylbenzene	12,000	250	ug/Kg	EPA 8021B
m,p-Xylenes	53,000	250	ug/Kg	EPA 8021B
o-Xylene	20,000	250	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	116	59-140	EPA 8015B
Bromofluorobenzene (FID)	118	62-149	EPA 8015B
Trifluorotoluene (PID)	103	63-125	EPA 8021B
Bromofluorobenzene (PID)	116	71-129	EPA 8021B

Field ID:	B-14-5	Batch#:	109100
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-023	Analyzed:	12/29/05
Diln Fac:	25.00		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	72	25	mg/Kg	EPA 8015B
Benzene	620 C	130	ug/Kg	EPA 8021B
Toluene	3,600	130	ug/Kg	EPA 8021B
Ethylbenzene	1,400	130	ug/Kg	EPA 8021B
m,p-Xylenes	7,000	130	ug/Kg	EPA 8021B
o-Xylene	2,600	130	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	117	59-140	EPA 8015B
Bromofluorobenzene (FID)	123	62-149	EPA 8015B
Trifluorotoluene (PID)	98	63-125	EPA 8021B
Bromofluorobenzene (PID)	116	71-129	EPA 8021B

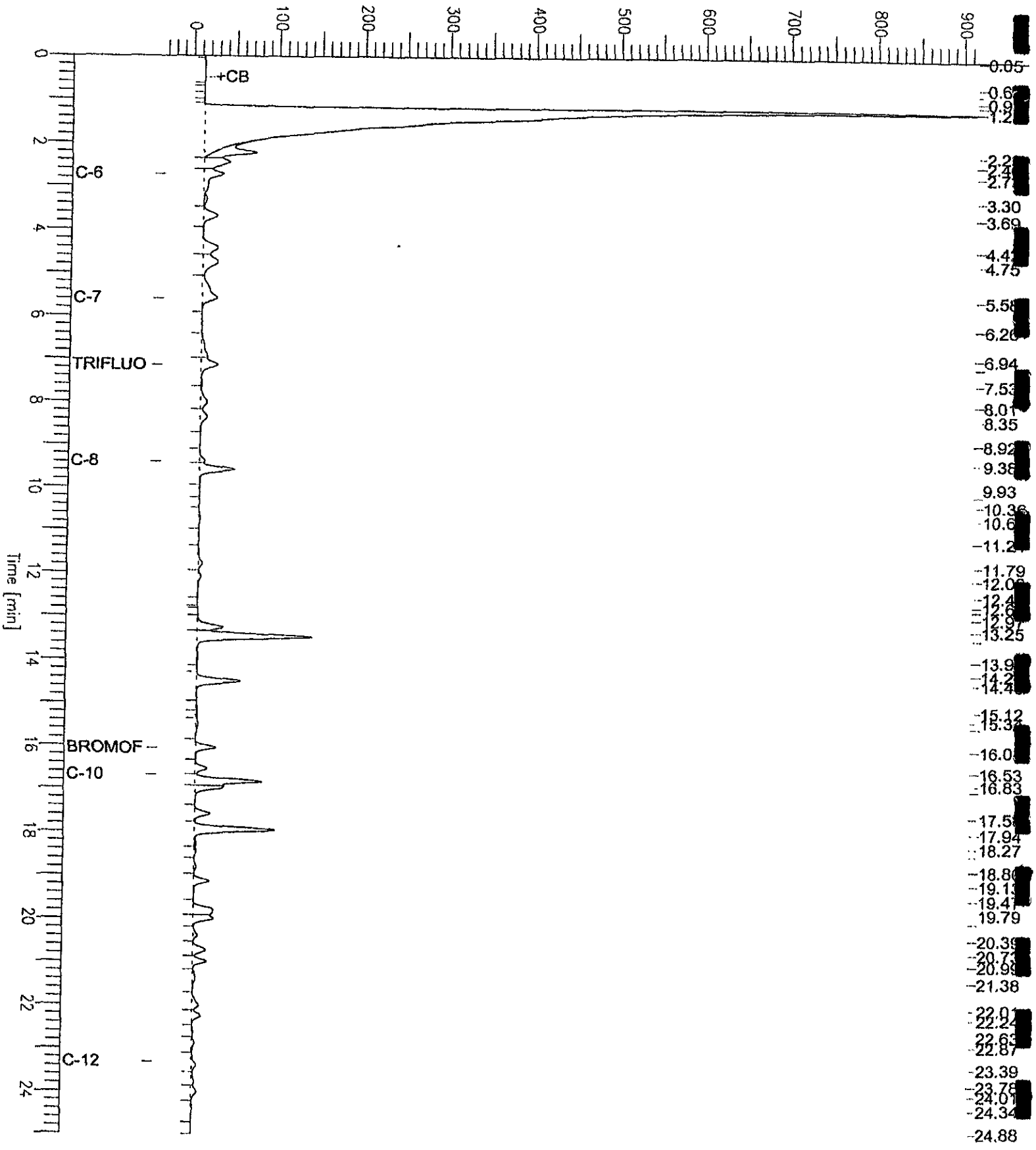
*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 183988-021,109100,tvh+btxe
FileName : G:\GC19\DATA\363X019.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -33 mV

Sample #: a Page 1 of 1
Date : 12/29/05 10:05 PM
Time of Injection: 12/29/05 09:38 PM
Low Point : -33.38 mV High Point : 915.66 mV
Plot Scale: 949.0 mV

B-13-15

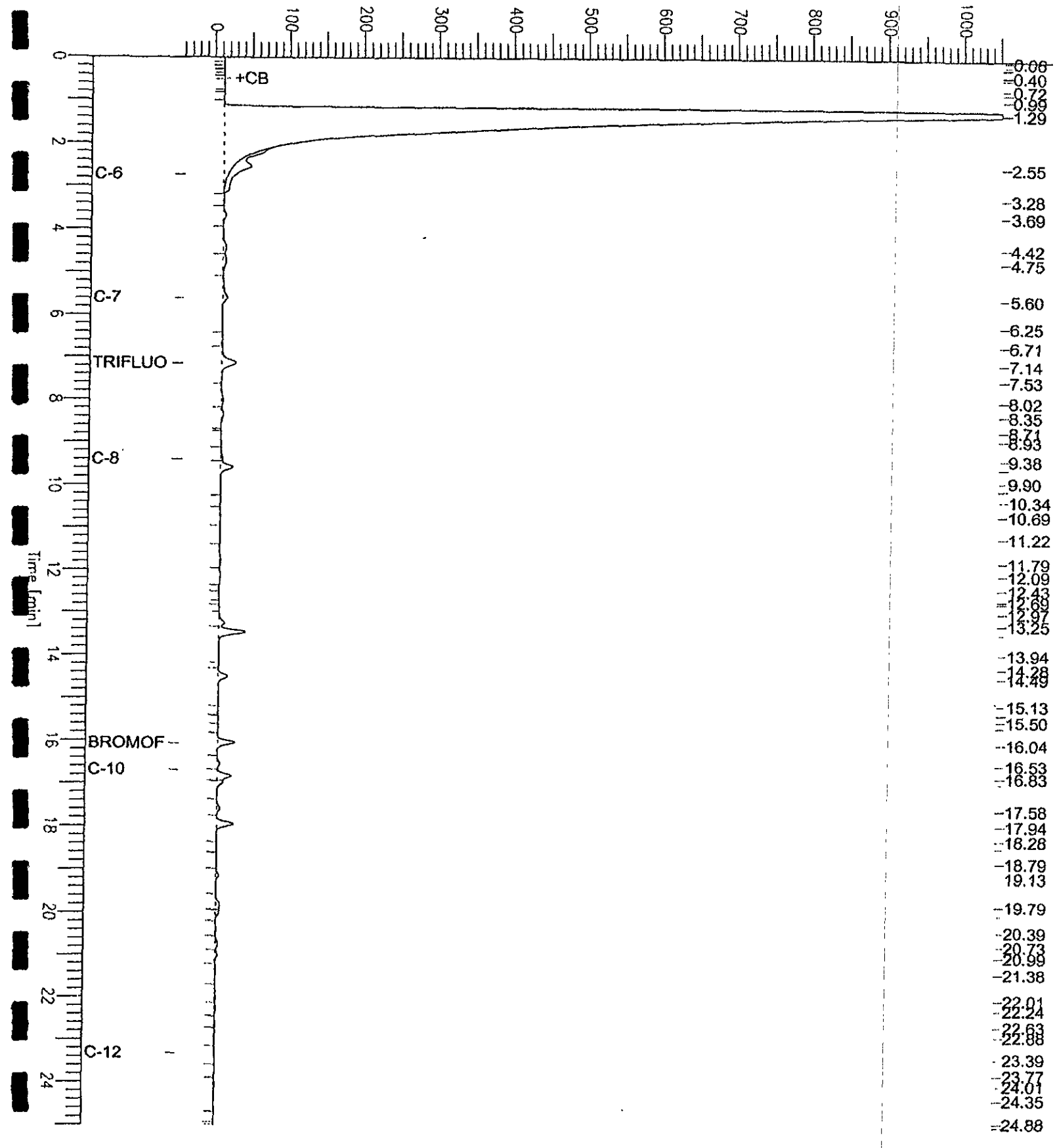


GC19 TVH 'X' Data File (FID)

Sample Name : 183988-023,109100,tvh+btxe
FileName : G:\GC19\DATA\363X020.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -40 mV

Sample #: a Page 1 of 1
Date : 12/29/05 10:39 PM
Time of Injection: 12/29/05 10:12 PM
Low Point : -40.20 mV High Point : 1052.00 mV
Plot Scale: 1092.2 mV

B-7 B-14-5



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Field ID:	B-14-10	Batch#:	109100
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-024	Analyzed:	12/29/05
Diln Fac:	10.00		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	61	10	mg/Kg	EPA 8015B
Benzene	590 C	50	ug/Kg	EPA 8021B
Toluene	3,300	50	ug/Kg	EPA 8021B
Ethylbenzene	1,200	50	ug/Kg	EPA 8021B
m,p-Xylenes	5,300	50	ug/Kg	EPA 8021B
o-Xylene	2,100	50	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	130	59-140	EPA 8015B
Bromofluorobenzene (FID)	109	62-149	EPA 8015B
Trifluorotoluene (PID)	112	63-125	EPA 8021B
Bromofluorobenzene (PID)	112	71-129	EPA 8021B

Field ID:	B-14-16	Batch#:	109047
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-025	Analyzed:	12/28/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	27	0.92	mg/Kg	EPA 8015B
Benzene	750	4.6	ug/Kg	EPA 8021B
Toluene	1,400	4.6	ug/Kg	EPA 8021B
Ethylbenzene	370	4.6	ug/Kg	EPA 8021B
m,p-Xylenes	590	4.6	ug/Kg	EPA 8021B
o-Xylene	1,200	4.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	120	59-140	EPA 8015B
Bromofluorobenzene (FID)	118	62-149	EPA 8015B
Trifluorotoluene (PID)	138 *	63-125	EPA 8021B
Bromofluorobenzene (PID)	101	71-129	EPA 8021B

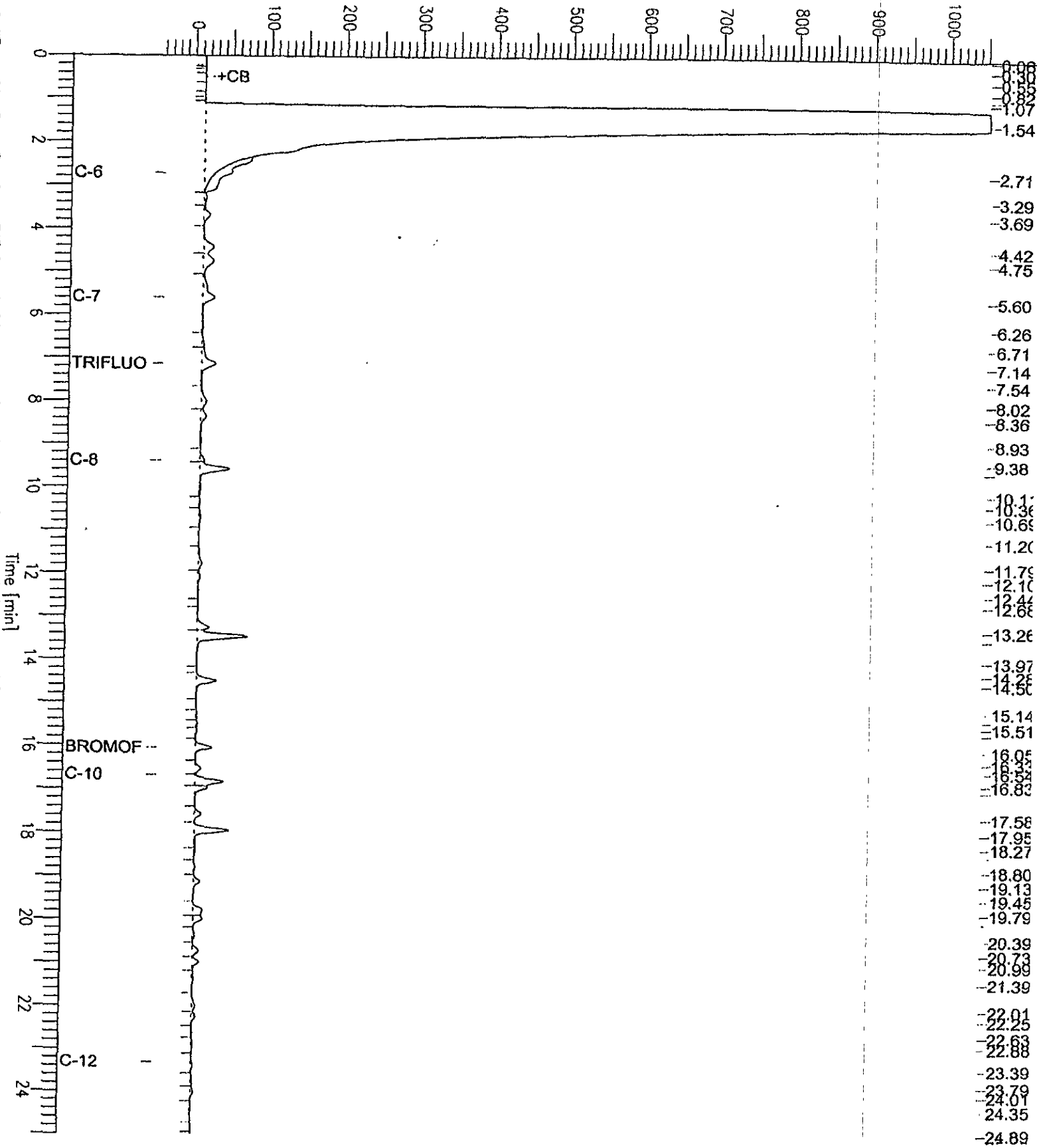
*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 183988-024,109100,tvh+btxe
FileName : G:\GC19\DATA\363X006.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -40 mV

Sample #: a
Date : 12/29/05 02:43 PM
Time of Injection: 12/29/05 02:15 PM
Low Point : -40.20 mV High Point : 1052.05 mV
Plot Scale: 1092.3 mV

B-14-10

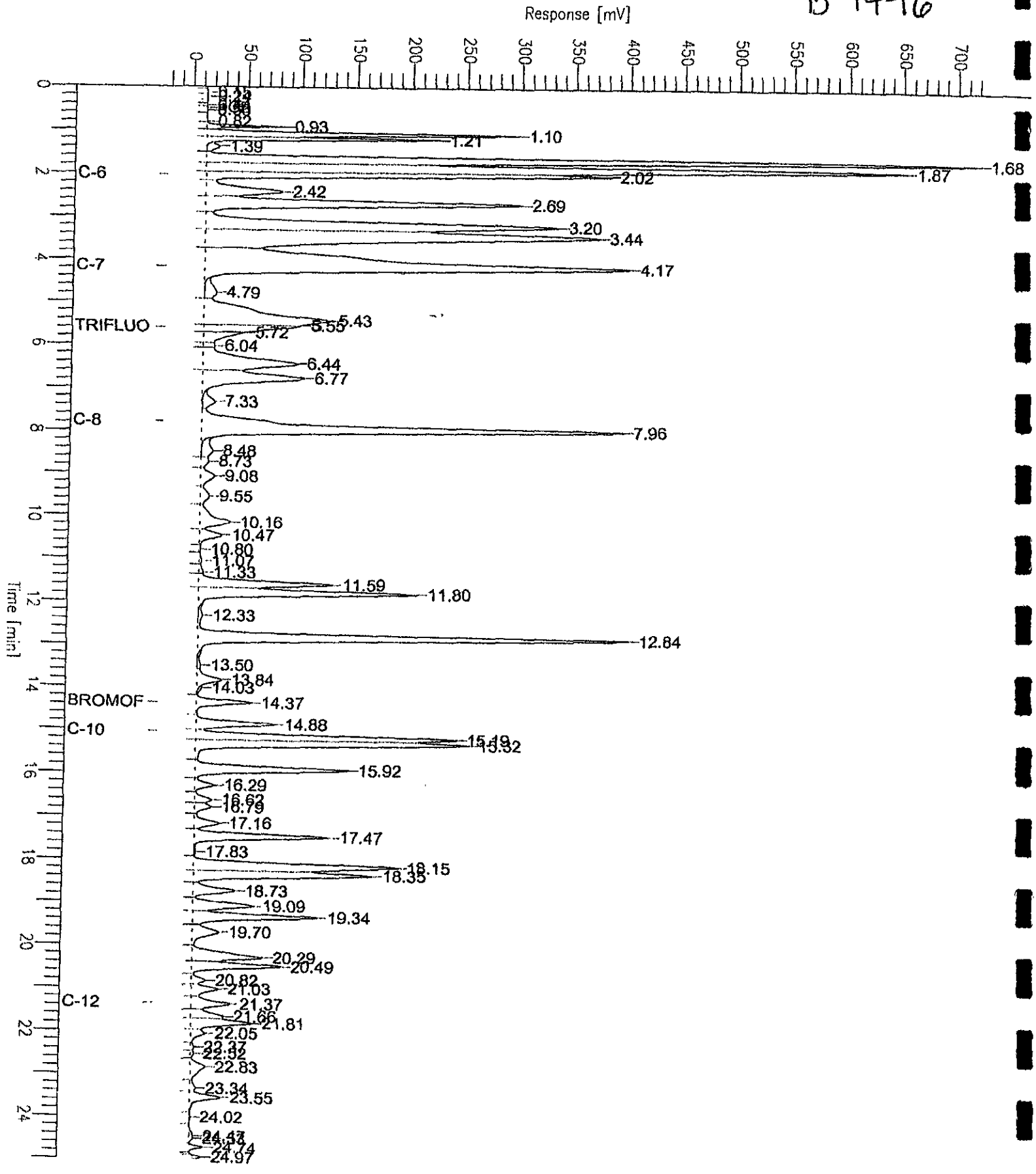


Chromatogram

Sample Name : 183988-025,109047
FileName : G:\GC05\DATA\362G013.raw
Method : TVRBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -24 mV

Sample #: a Page 1 of 1
Date : 12/29/05 01:12 PM
Time of Injection: 12/28/05 02:54 PM
Low Point : -23.58 mV High Point : 720.64 mV
Plot Scale: 744.2 mV

B-14-16

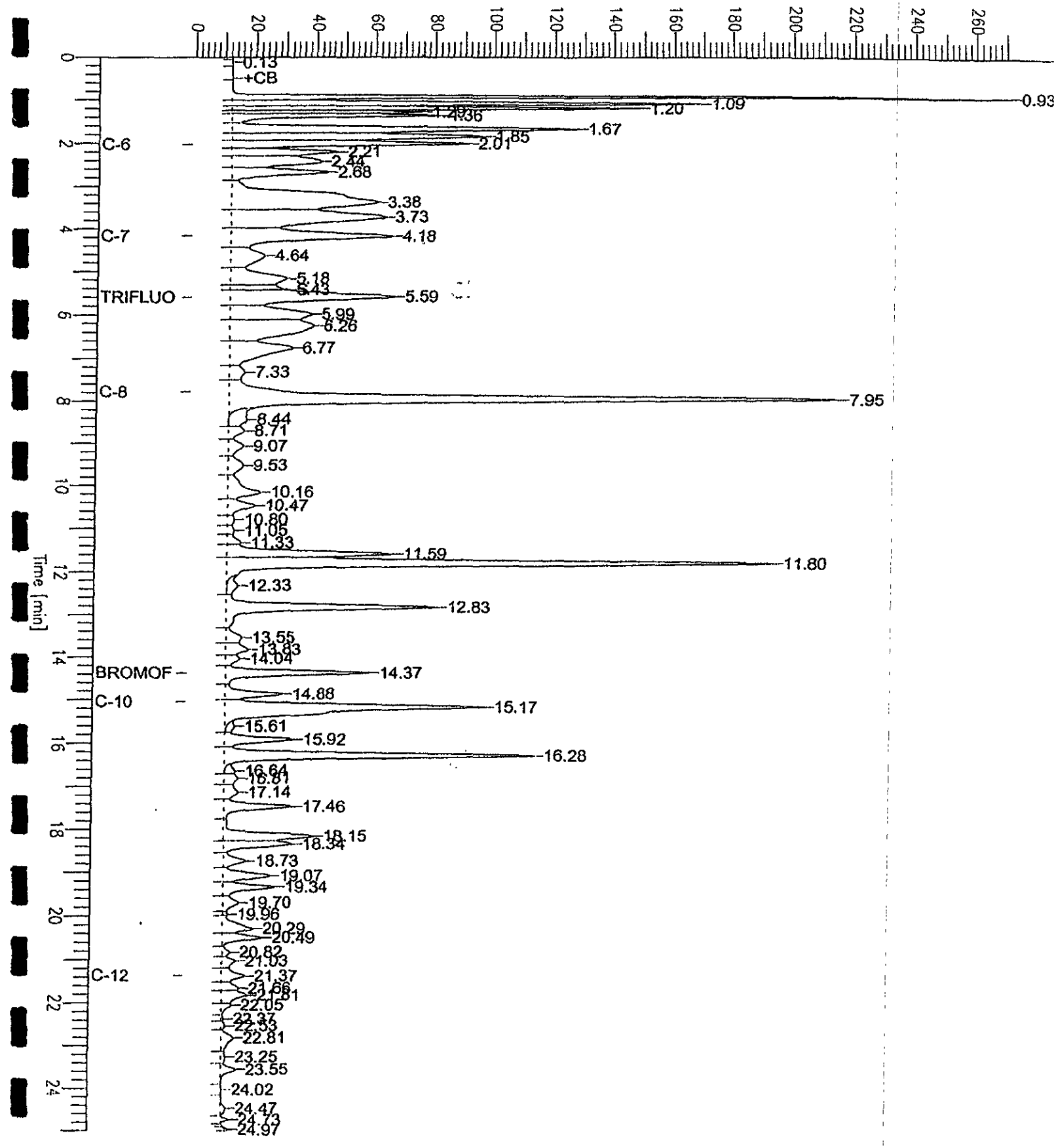


Chromatogram

Sample Name : ccv/lcs,qc322447,109047,S2241,5/5000
FileName : G:\GC05\DATA\362G003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -1 mV

Sample #: Page 1 of 1
Date : 12/29/05 01:12 PM
Time of Injection: 12/28/05 09:17 AM
Low Point : -0.90 mV High Point : 271.31 mV
Plot Scale: 272.2 mV

Gasoline

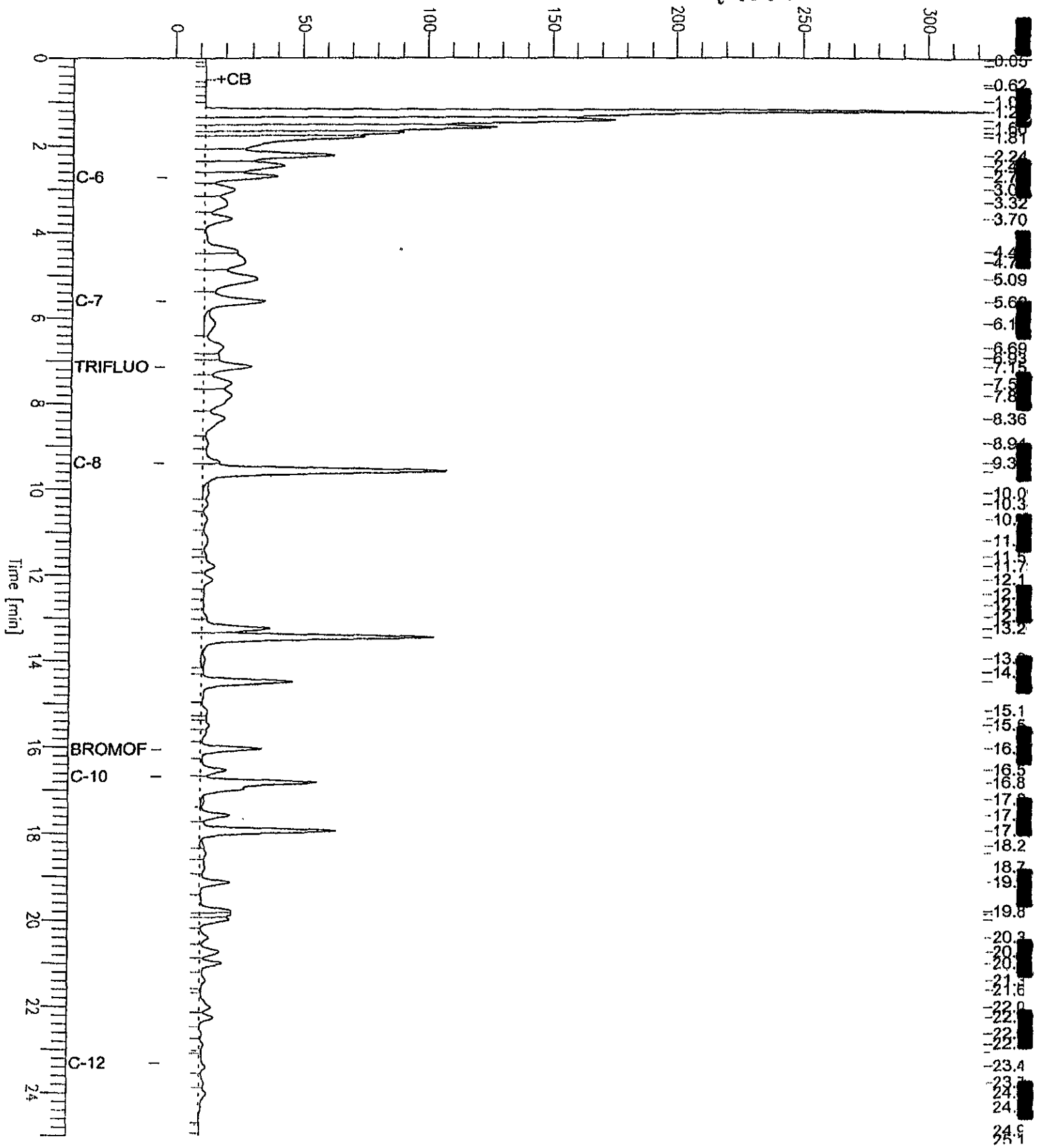


GC19 TVH 'X' Data File (FID)

Sample Name : ccv/lcs,qc322637,109100,s2241,5/5000
FileName : G:\GC19\DATA\363X003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -4 mV

Sample #: Page 1 of 1
Date : 12/29/05 01:00 PM
Time of Injection: 12/29/05 12:33 PM
Low Point : -3.69 mV High Point : 321.96 mV
Plot Scale: 325.6 mV

Gasoline

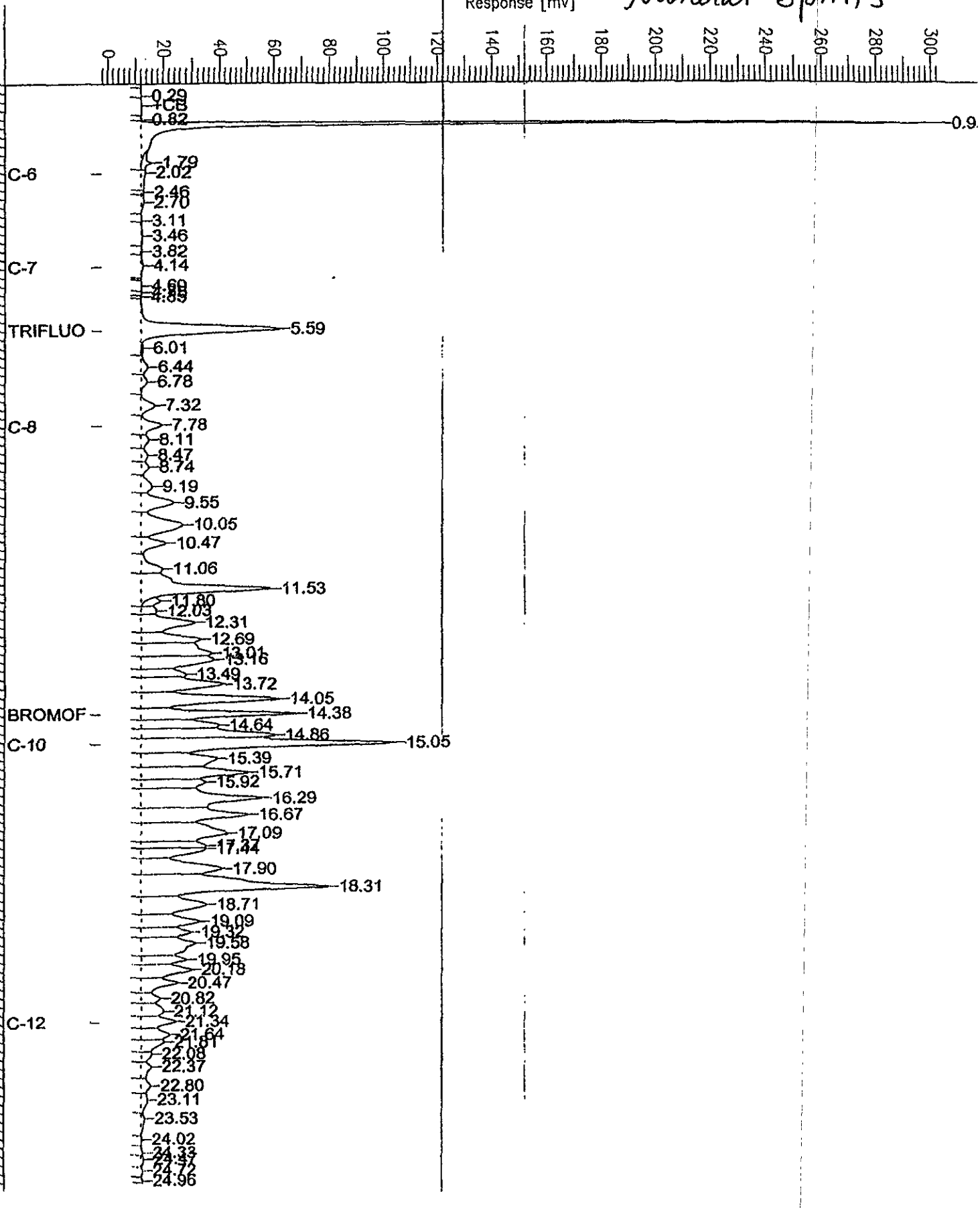


Chromatogram

Sample Name : ccv,minsp,109047,S1513,5/5000
FileName : G:\GC05\DATA\362G004.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -3 mV

Sample #: Page 1 of 1
Date : 12/28/05 10:14 AM
Time of Injection: 12/28/05 09:49 AM
Low Point : -2.58 mV High Point : 303.92 mV
Plot Scale: 306.5 mV

Mineral Spirits



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3		
Matrix:	Soil	Received:	12/22/05
Basis:	as received		

Type:	BLANK	Batch#:	109047
Lab ID:	QC322445	Analyzed:	12/28/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Mineral Spirits C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	102	59-140	EPA 8015B
Bromofluorobenzene (FID)	109	62-149	EPA 8015B
Trifluorotoluene (PID)	94	63-125	EPA 8021B
Bromofluorobenzene (PID)	98	71-129	EPA 8021B

Type:	BLANK	Batch#:	109100
Lab ID:	QC322635	Analyzed:	12/29/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	87	59-140	EPA 8015B
Bromofluorobenzene (FID)	113	62-149	EPA 8015B
Trifluorotoluene (PID)	91	63-125	EPA 8021B
Bromofluorobenzene (PID)	109	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC322446	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109047
Units:	ug/Kg	Analyzed:	12/28/05

Analyte	Spiked	Result	%REC	Limits
Benzene	100.0	92.40	92	80-120
Toluene	100.0	96.73	97	80-120
Ethylbenzene	100.0	89.29	89	80-120
m,p-Xylenes	100.0	94.23	94	80-120
o-Xylene	100.0	94.58	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	101	63-125
Bromofluorobenzene (PID)	106	71-129

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC322447	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109047
Units:	mg/Kg	Analyzed:	12/28/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.617	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	59-140
Bromofluorobenzene (FID)	116	62-149

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC322636	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109100
Units:	ug/Kg	Analyzed:	12/29/05

Analyte	Spiked	Result	%REC	Limits
Benzene	100.0	109.8	110	80-120
Toluene	100.0	108.5	108	80-120
Ethylbenzene	100.0	109.5	110	80-120
m,p-Xylenes	100.0	107.8	108	80-120
o-Xylene	100.0	106.8	107	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	96	63-125
Bromofluorobenzene (PID)	115	71-129

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC322637	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109100
Units:	mg/Kg	Analyzed:	12/29/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.05	101	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	59-140
Bromofluorobenzene (FID)	129	62-149

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Field ID:	B-11-5	Diln Fac:	1.000
MSS Lab ID:	183988-012	Batch#:	109100
Matrix:	Soil	Sampled:	12/21/05
Units:	mg/Kg	Received:	12/22/05
Basis:	as received	Analyzed:	12/30/05

Type: MS Lab ID: QC322725

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1470	10.10	7.563	73	44-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	139	59-140
Bromofluorobenzene (FID)	131	62-149

Type: MSD Lab ID: QC322726

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.64	9.971	92	44-120	22	23

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	59-140
Bromofluorobenzene (FID)	130	62-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Matrix:	Water	Received:	12/22/05
Units:	ug/L	Prepared:	12/28/05
Batch#:	109078		

Field ID:	B-8-W	Sampled:	12/20/05
Type:	SAMPLE	Analyzed:	12/30/05
Lab ID:	183988-001	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	2,300 L	50

Surrogate	%REC	Limits
Hexacosane	95	60-135

Field ID:	B-9-W	Sampled:	12/20/05
Type:	SAMPLE	Analyzed:	12/30/05
Lab ID:	183988-004	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	770 L Y	50

Surrogate	%REC	Limits
Hexacosane	94	60-135

Field ID:	B-10-W	Sampled:	12/20/05
Type:	SAMPLE	Analyzed:	12/30/05
Lab ID:	183988-007	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	99 L Y	50

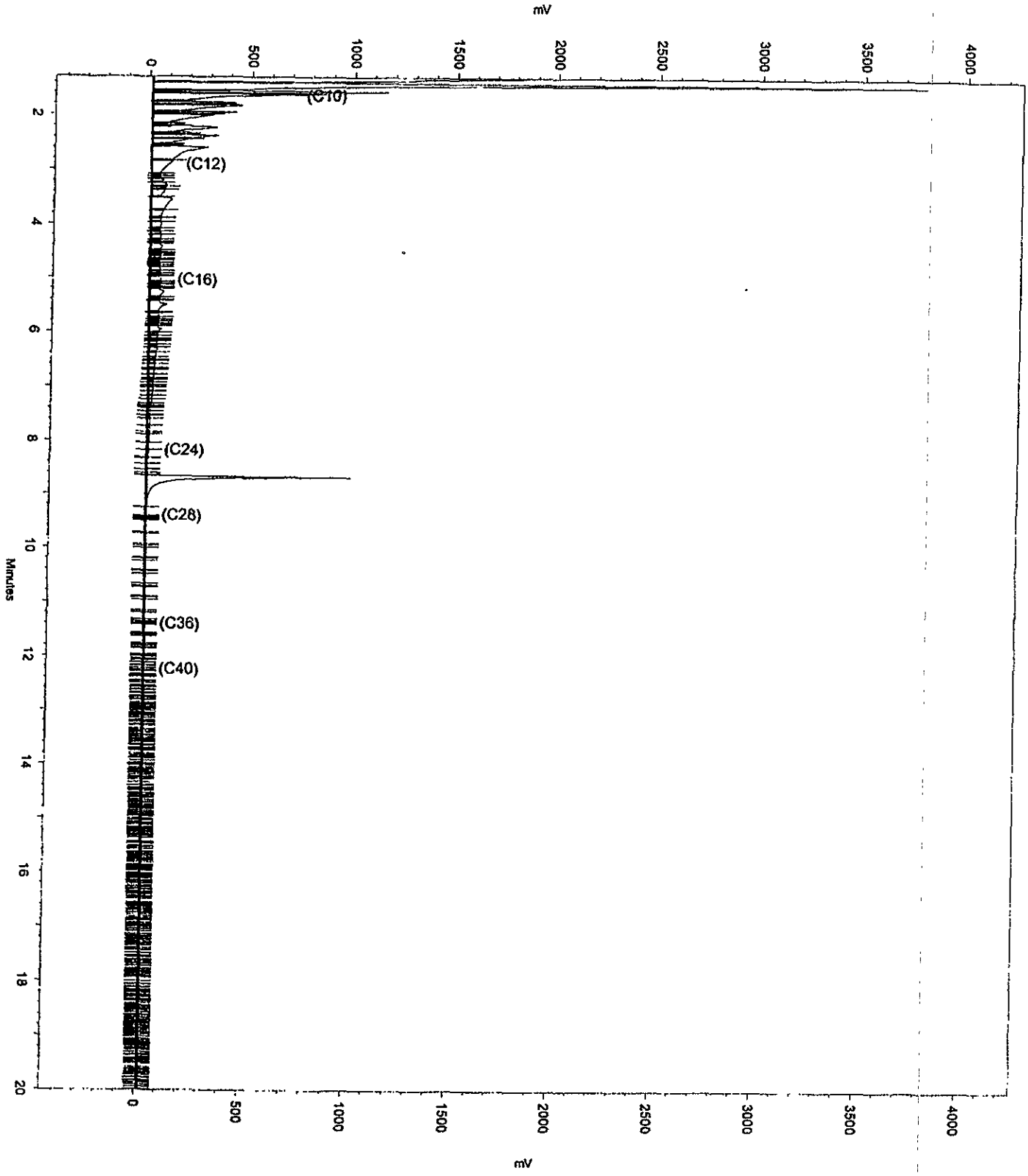
Surrogate	%REC	Limits
Hexacosane	93	60-135

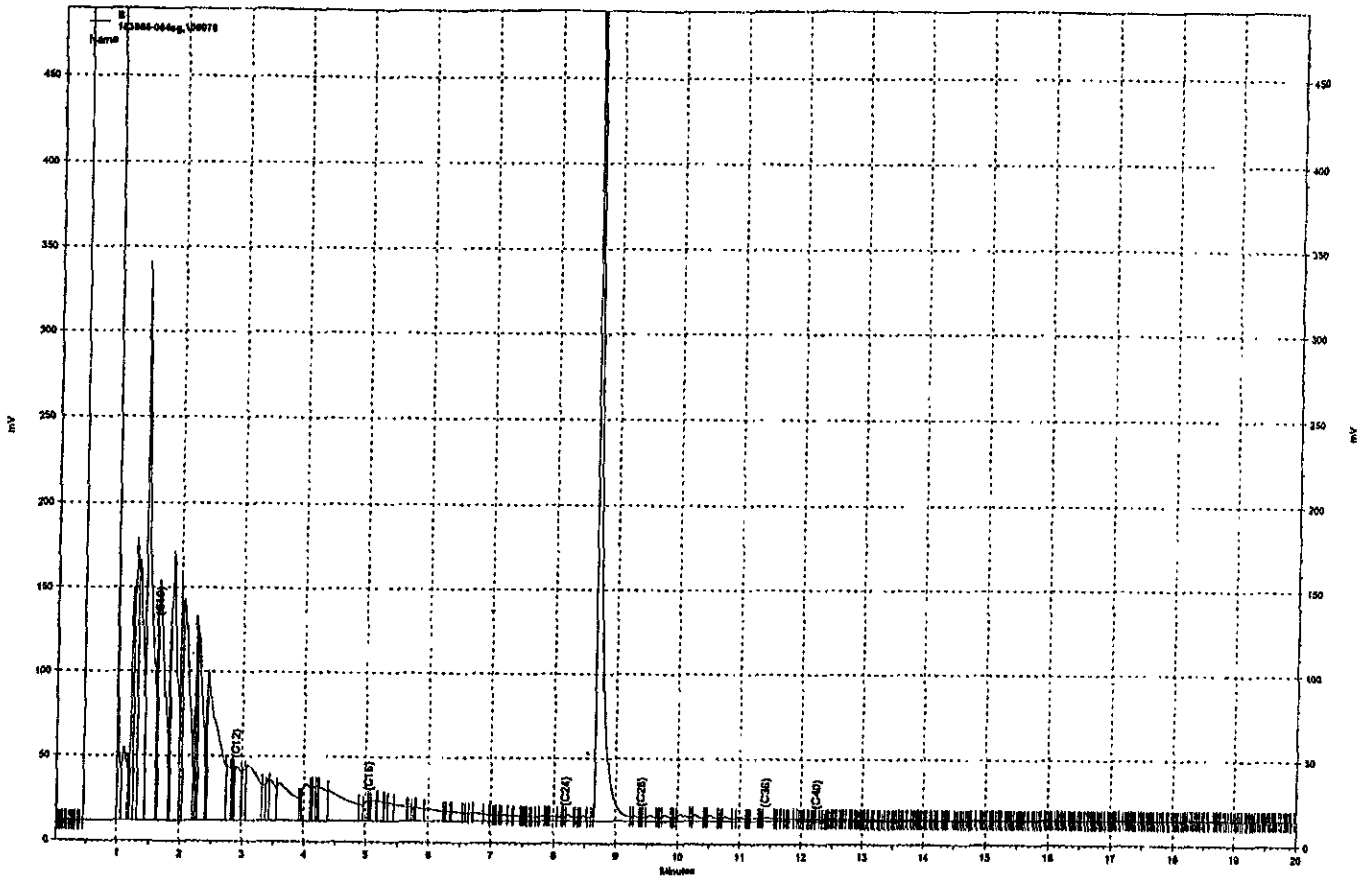
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

18.0

Sample Name: 183988-001sg,109078
Data File: \\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b034
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\363.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met
Run Date: 12/30/2005 4:08:20 AM
Analysis Date: 12/30/2005 9:09:42 AM
Instrument: GC15B Vial: 34 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1

B-8-W





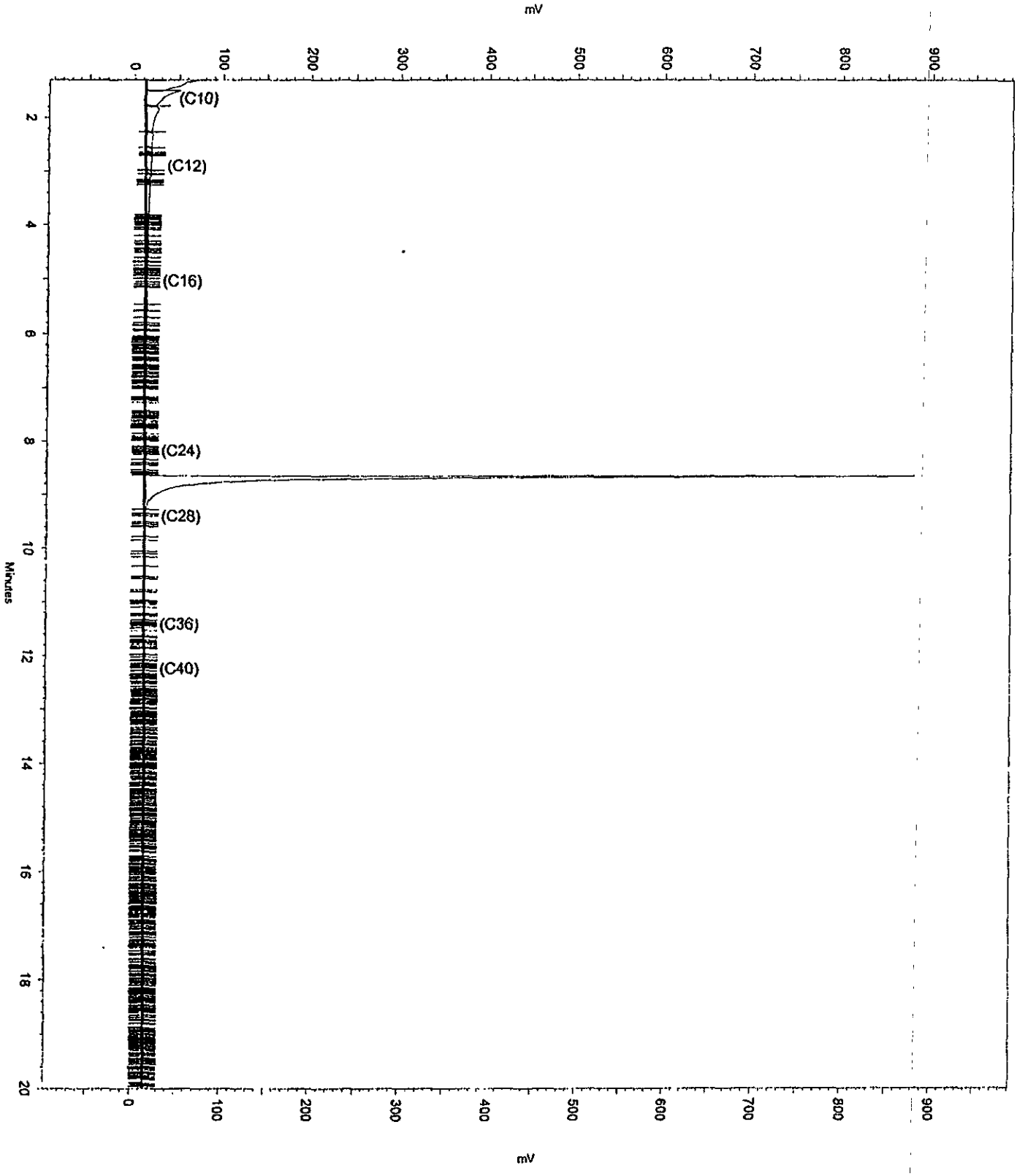
\\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b035, B

183988-004 sg, 109078

B-9-W

Sample Name: **183988-007sg,109078**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b036**
Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\363.seq**
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met
Run Date: 12/30/2005 5:05:23 AM
Analysis Date: 12/30/2005 9:10:36 AM
Instrument: GC15B Vial: 36 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1

B-10W



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Matrix:	Water	Received:	12/22/05
Units:	ug/L	Prepared:	12/28/05
Batch#:	109078		

Field ID:	B-11-W	Sampled:	12/21/05
Type:	SAMPLE	Analyzed:	12/31/05
Lab ID:	183988-011	Cleanup Method:	EPA 3630C
Diln Fac:	5.000		

Analyte	Result	RL
Diesel C10-C24	100,000 L Y	250

Surrogate	%REC	Limits
Hexacosane	89	60-135

Field ID:	B-12-W	Sampled:	12/20/05
Type:	SAMPLE	Analyzed:	12/30/05
Lab ID:	183988-015	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	20,000 L Y	50

Surrogate	%REC	Limits
Hexacosane	72	60-135

Field ID:	B-13-W	Sampled:	12/21/05
Type:	SAMPLE	Analyzed:	12/30/05
Lab ID:	183988-018	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

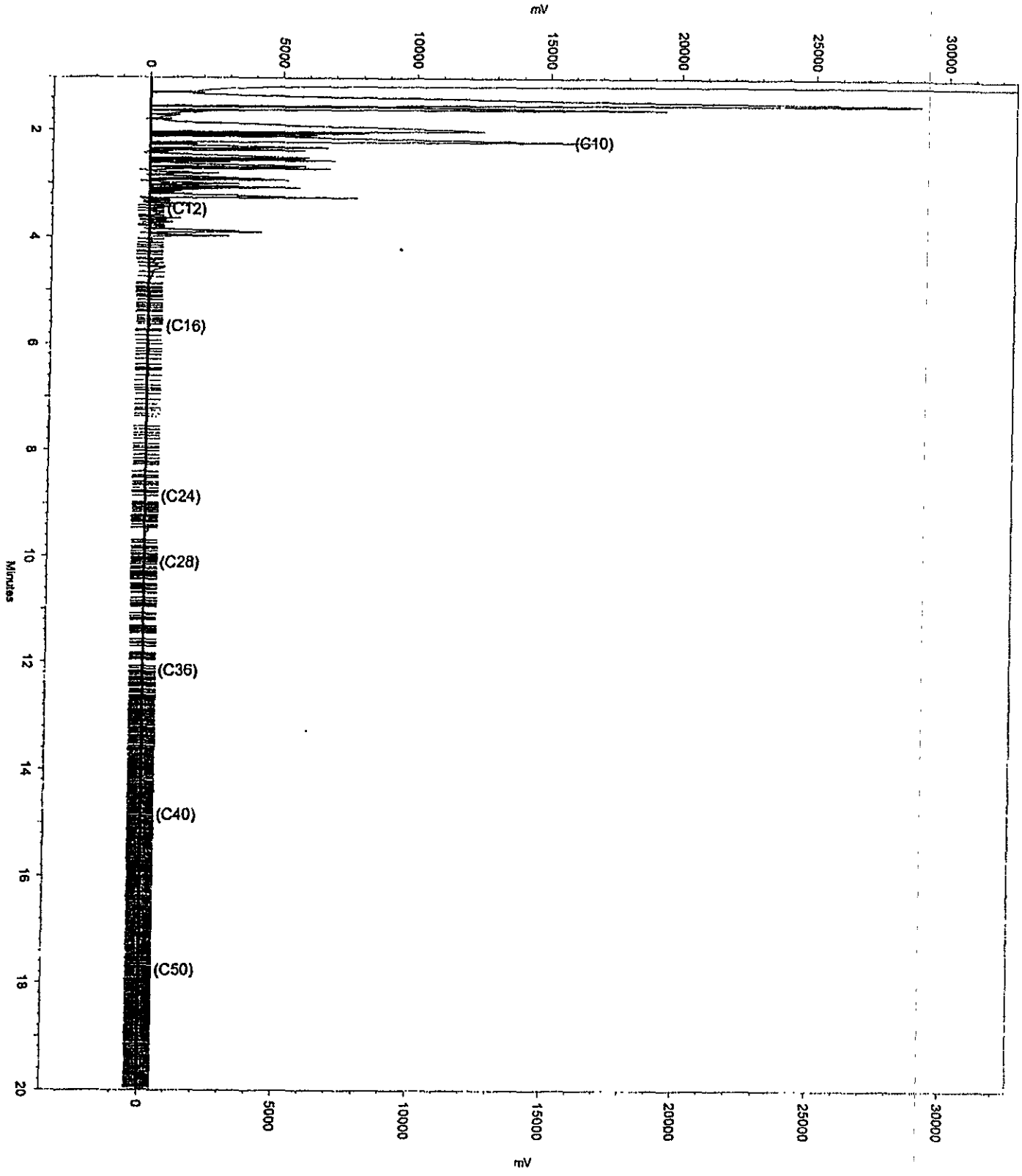
Analyte	Result	RL
Diesel C10-C24	13,000 L Y	50

Surrogate	%REC	Limits
Hexacosane	91	60-135

L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

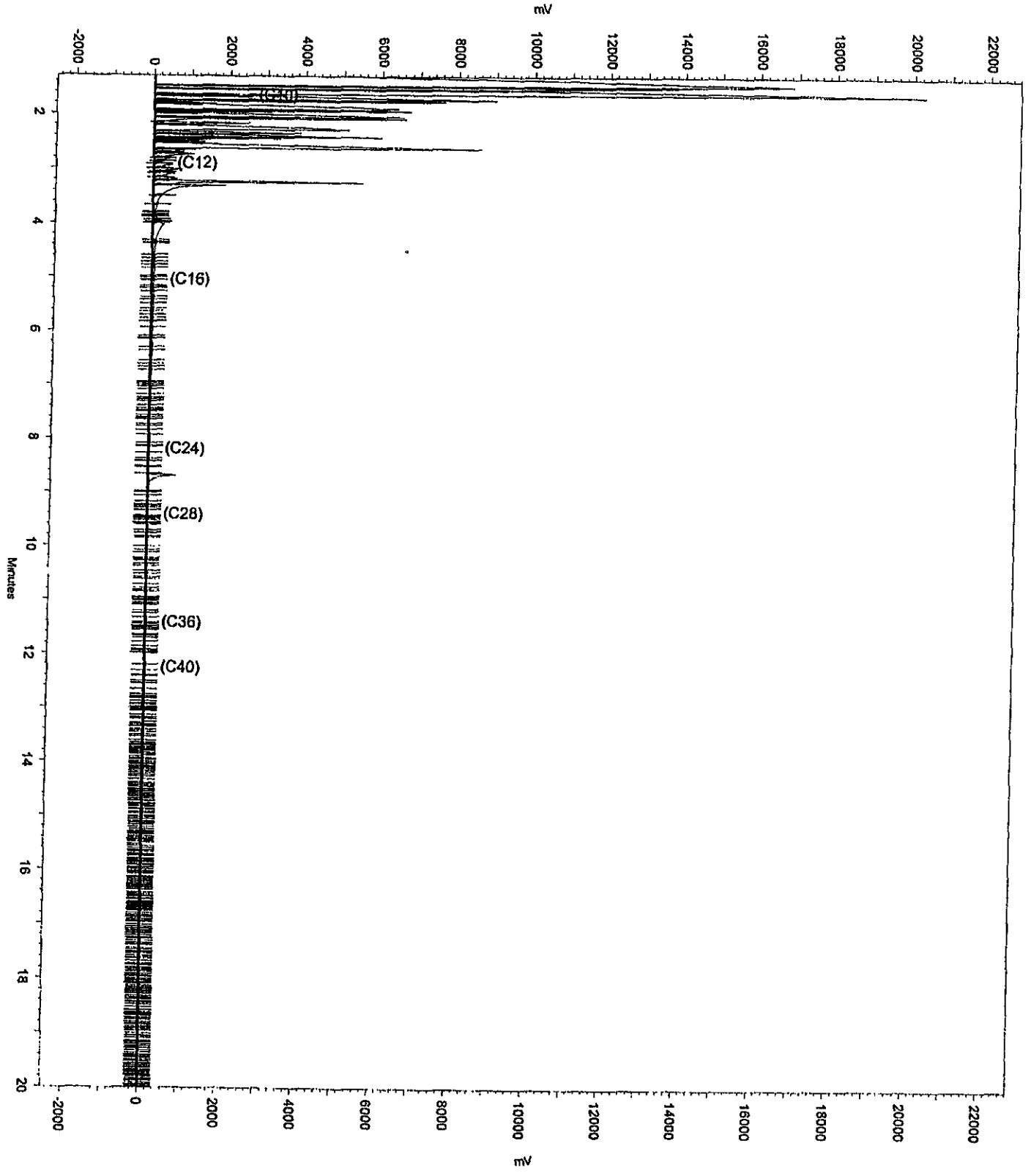
Sample Name: **183988-011sg,109078,5x**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC17A\Data\364a048**
Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC17A\Sequence\364.seq**
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC17A\Method\ateh002.met
Run Date: 12/31/2005 7:28:20 AM
Analysis Date: 1/3/2006 9:37:45 AM
Instrument: GC17A *Vial:* 48 *Operator:* Teh 3. Analyst (*lims2k3\teh3*)
Sample Amount: 1 Dilution Factor: 1 PDF: 1

B-11-W



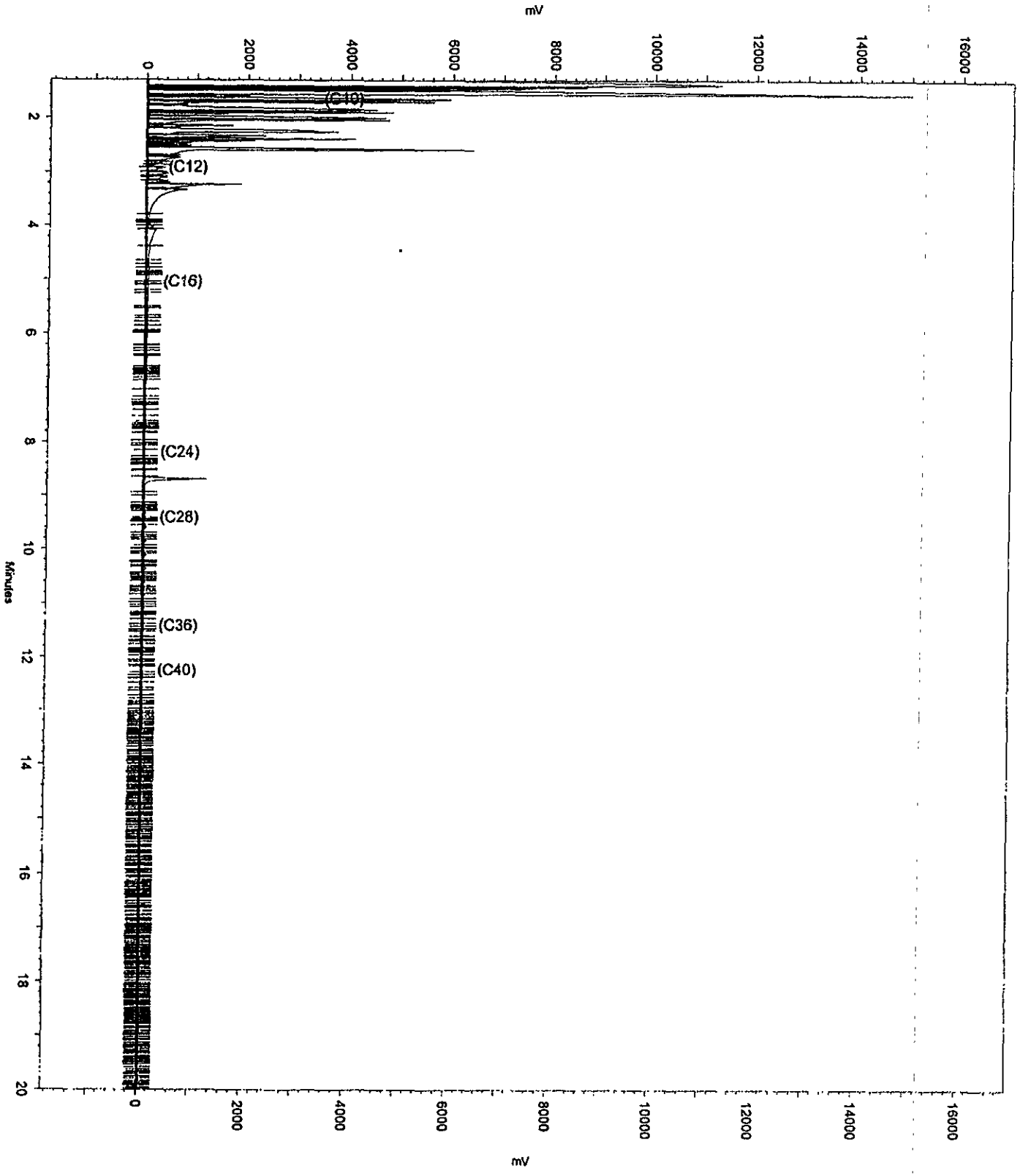
Sample Name: 183988-015sg,109078
Data File: \\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b038
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\363.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met
Run Date: 12/30/2005 6:02:22 AM
Analysis Date: 12/30/2005 9:12:15 AM
Instrument: GC15B Vial: 38 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1

B-12-W



Sample Name: 183988-018sg,109078
Data File: \\Lims\gdrive\ezchrom\Projects\GC15B\Data\383b039
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\383.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met
Run Date: 12/30/2005 6:30:57 AM
Analysis Date: 12/30/2005 9:12:40 AM
Instrument: GC15B Vial: 39 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1

B-13-W



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Matrix:	Water	Received:	12/22/05
Units:	ug/L	Prepared:	12/28/05
Batch#:	109078		

Field ID:	B-14-W	Sampled:	12/21/05
Type:	SAMPLE	Analyzed:	12/30/05
Lab ID:	183988-022	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	1,600 L Y	50

Surrogate	%REC	Limits
Hexacosane	83	60-135

Field ID:	MW-3	Sampled:	12/20/05
Type:	SAMPLE	Analyzed:	12/30/05
Lab ID:	183988-026	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	2,600 L Y	50

Surrogate	%REC	Limits
Hexacosane	93	60-135

Type:	BLANK	Analyzed:	12/30/05
Lab ID:	QC322552	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	ND	50

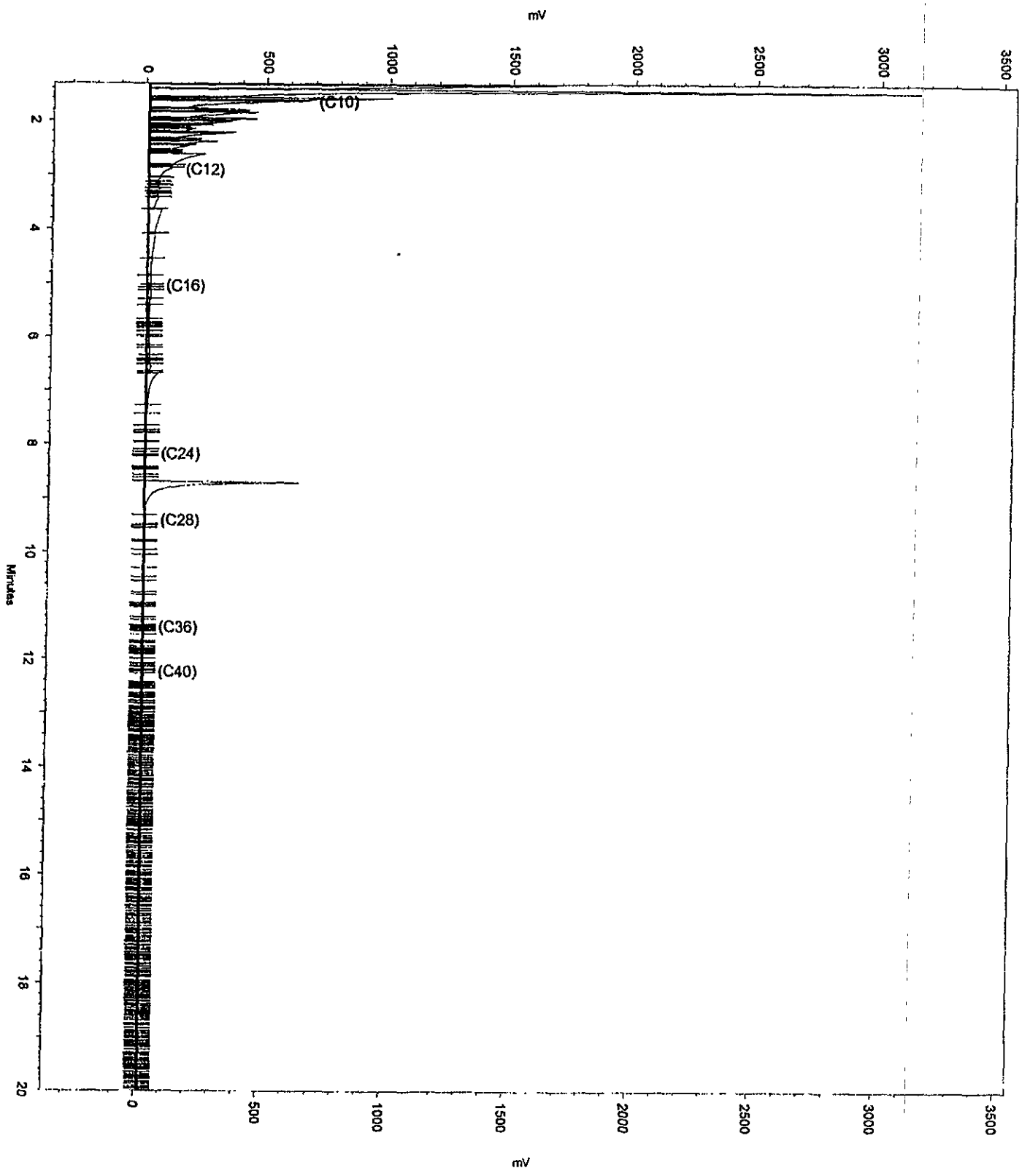
Surrogate	%REC	Limits
Hexacosane	110	60-135

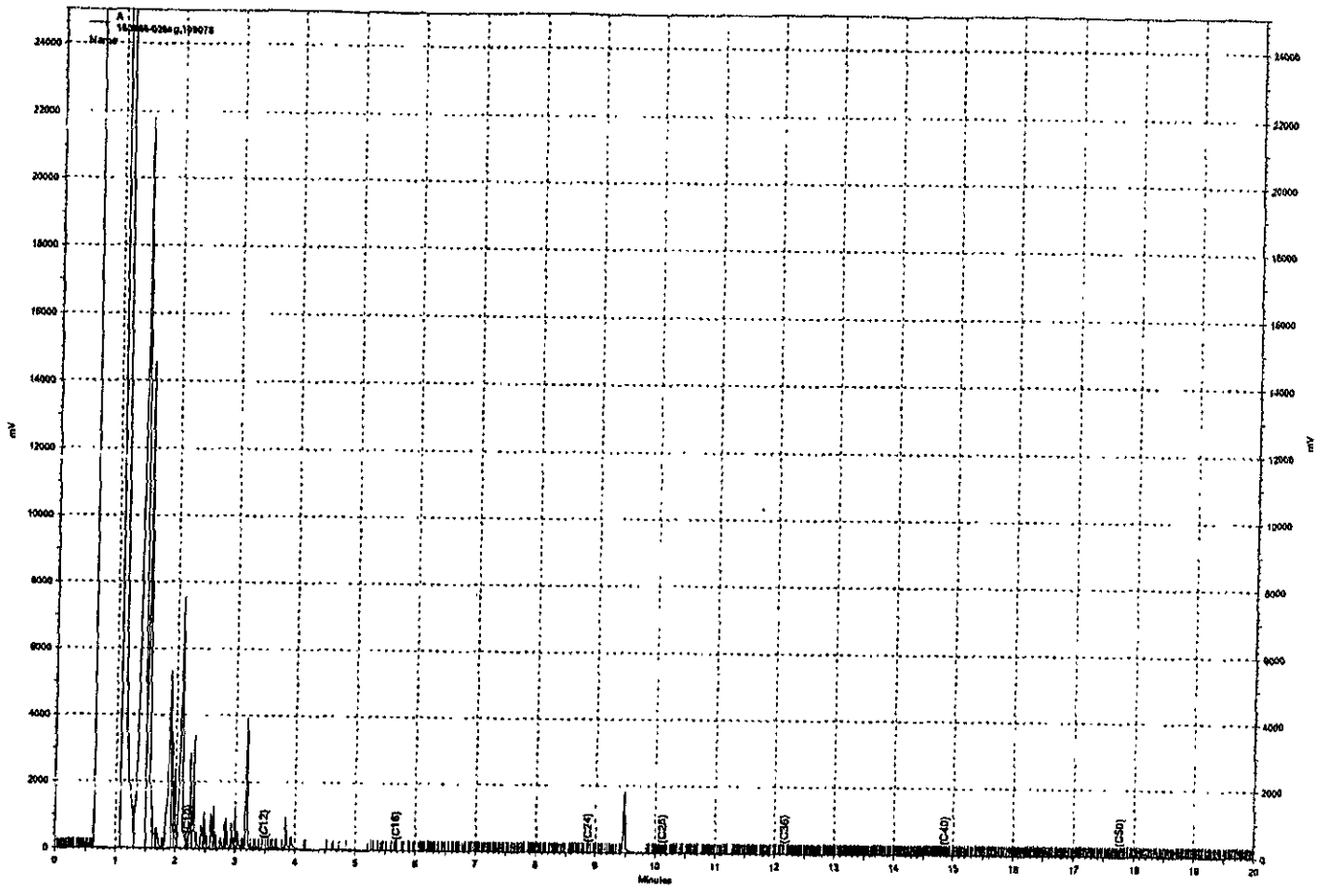
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
D= Not Detected
L= Reporting Limit

18.0

Sample Name: 163988-022sg,109078
Data File: \\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b040
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\363.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met
Run Date: 12/30/2005 6:59:29 AM
Analysis Date: 12/30/2005 9:12:48 AM
Instrument: GC15B Vial: 40 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1

B-14-W





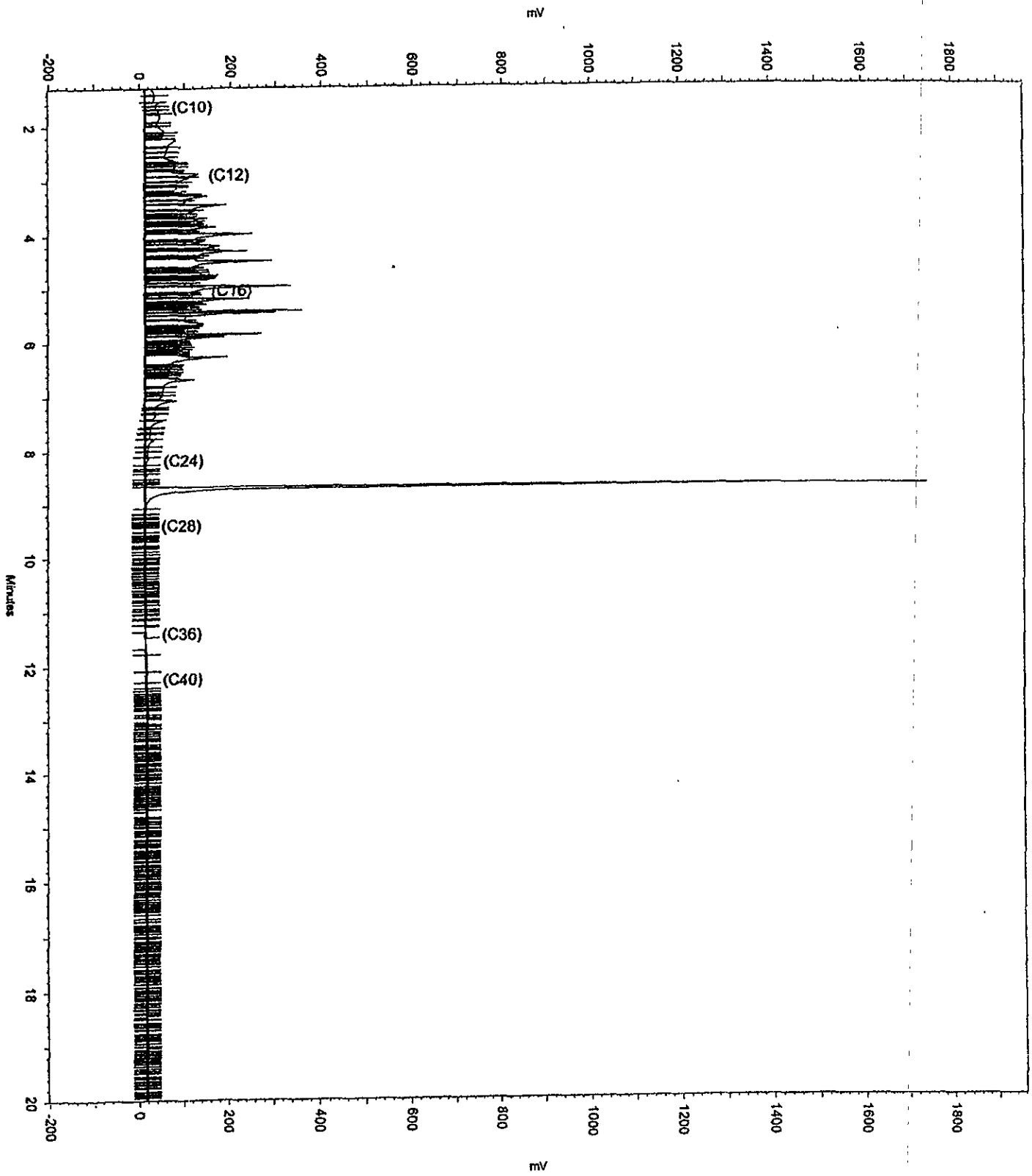
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\363a037, A

183988-026 sg, 109078

MW-3

Sample Name: ccv,S2269,dsl_500
Data File: \\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b003
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\363.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met
Run Date: 12/29/2005 9:38:32 AM
Analysis Date: 12/29/2005 1:31:27 PM
Instrument: GC15B Vial: 3 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1

Diesel



Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	109078
Units:	ug/L	Prepared:	12/28/05
Diln Fac:	1.000	Analyzed:	12/30/05

Type: BS
Lab ID: QC322553

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,995	80	53-138

Surrogate	%REC	Limits
Hexacosane	84	60-135

Type: BSD
Lab ID: QC322554

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,147	86	53-138	7	36

Surrogate	%REC	Limits
Hexacosane	92	60-135

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	12/22/05

Field ID:	B-8-5	Sampled:	12/20/05
Type:	SAMPLE	Prepared:	12/29/05
Lab ID:	183988-002	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109117		

Analyte	Result	RL
Diesel C10-C24	91	1.0

Surrogate	%REC	Limits
Hexacosane	95	48-132

Field ID:	B-8-10	Sampled:	12/20/05
Type:	SAMPLE	Prepared:	12/29/05
Lab ID:	183988-003	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109117		

Analyte	Result	RL
Diesel C10-C24	340	1.0

Surrogate	%REC	Limits
Hexacosane	93	48-132

Field ID:	B-9-6	Sampled:	12/20/05
Type:	SAMPLE	Prepared:	12/29/05
Lab ID:	183988-005	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109117		

Analyte	Result	RL
Diesel C10-C24	3.7 Y	1.0

Surrogate	%REC	Limits
Hexacosane	109	48-132

Field ID:	B-9-11	Sampled:	12/20/05
Type:	SAMPLE	Prepared:	12/29/05
Lab ID:	183988-006	Analyzed:	12/30/05
Diln Fac:	5.000	Cleanup Method:	EPA 3630C
Batch#:	109117		

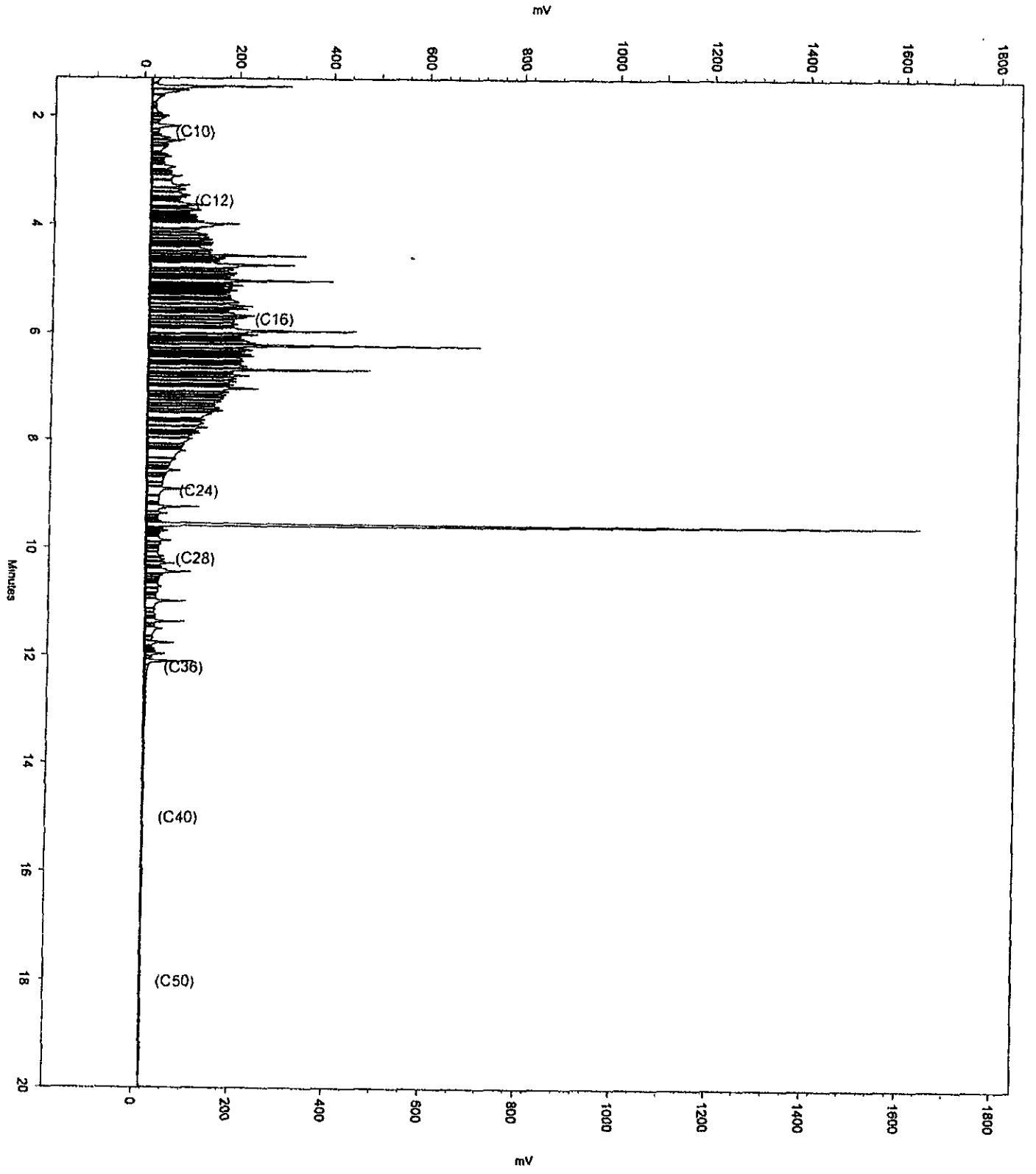
Analyte	Result	RL
Diesel C10-C24	7.4 H Y	5.0

Surrogate	%REC	Limits
Hexacosane	79	48-132

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
D= Not Detected
L= Reporting Limit

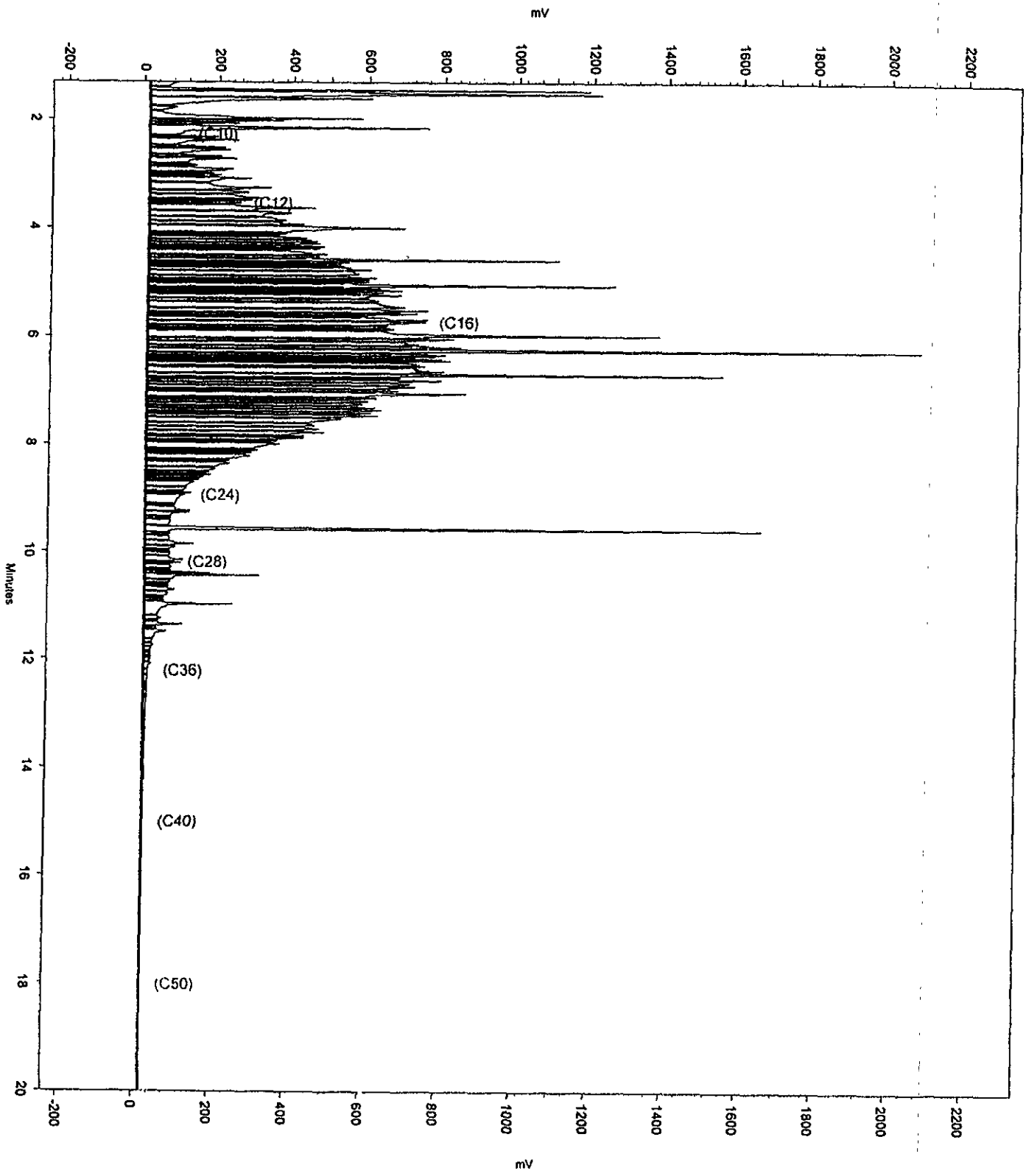
Sample Name. 183988-002sg,109117
Data File: \\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b062
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC13B\Sequence\363.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC13B\Method\bteh363.met
Run Date: 12/31/2005 1:00:34 AM
Analysis Date: 12/31/2005 3:16:50 PM
Instrument: GC13B (Offline) Vial: 62 Operator: Teh 2, analyst (lims2k3\teh2)
Sample Amount: 1

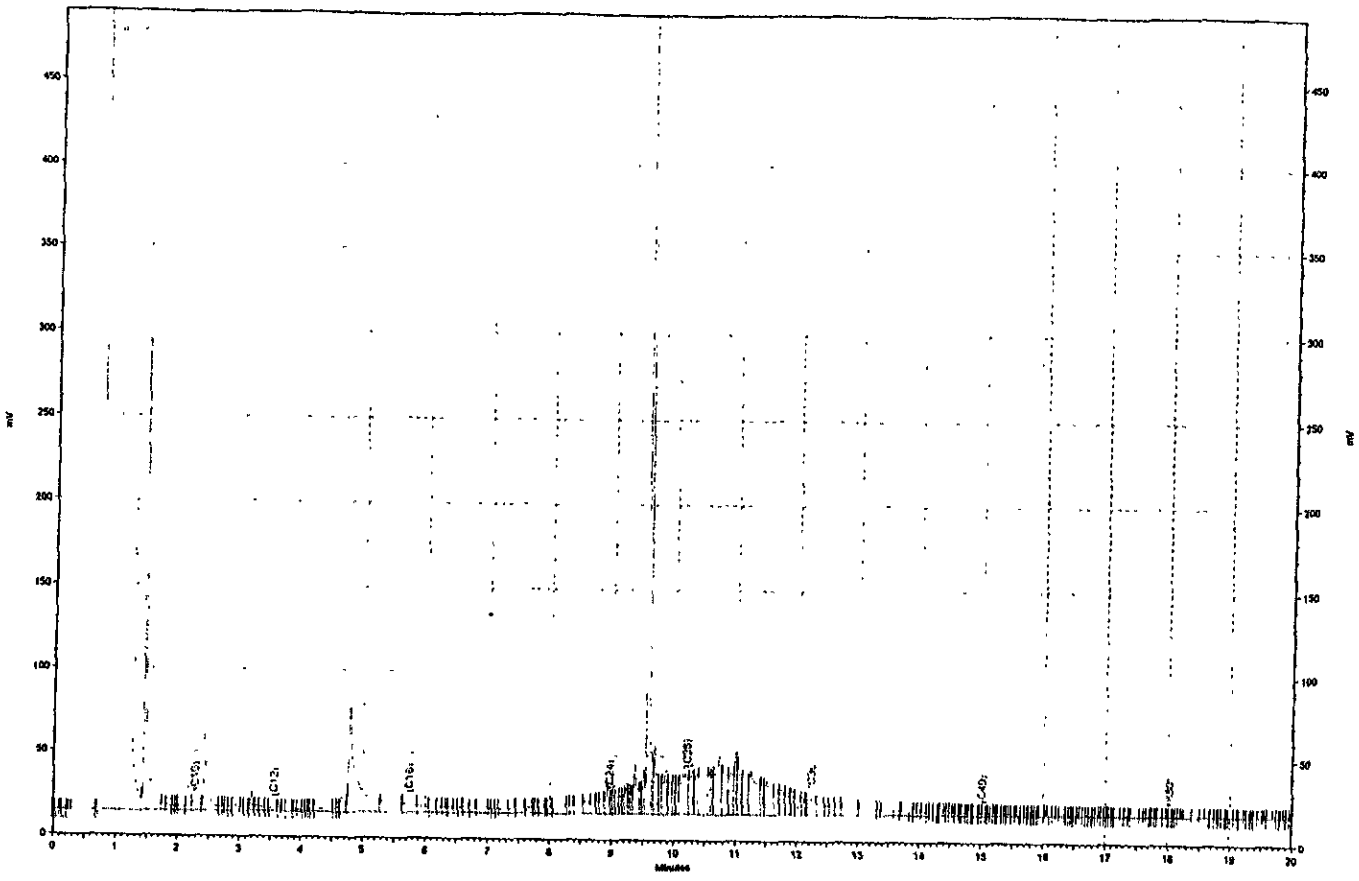
B-8-5



Sample Name: **183988-003sg,109117**
Data File: \\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b064
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC13B\Sequence\363.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC13B\Method\bteh363.met
Run Date: 12/31/2005 1:56:30 AM
Analysis Date: 12/31/2005 3:17:56 PM
Instrument: GC13B (Offline) Vial: 64 Operator: Teh 2. analyst (lims2k3\teh2)
Sample Amount: 1

B-8-10





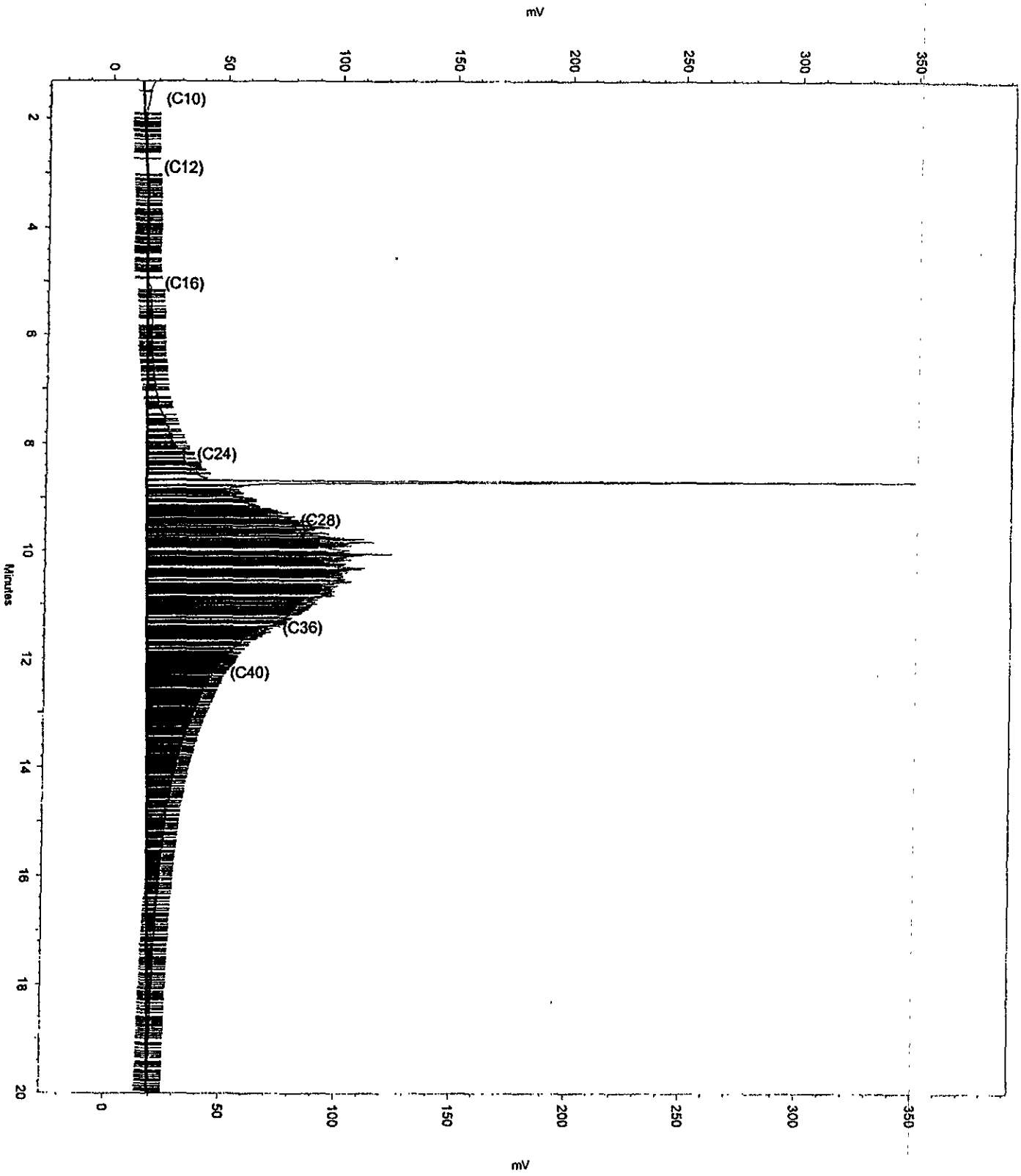
\\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b061, B

183988 -005 sg , 109117

B-9-6

Sample Name: 183988-006sg,109117,5x
Data File: \\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b056
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\363.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met
Run Date: 12/30/2005 9:24:58 PM
Analysis Date: 12/31/2005 2:01:15 PM
Instrument: GC15B (Offline) Vial: 56 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1

B-9-11



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	12/22/05

Field ID:	B-10-5	Sampled:	12/20/05
Type:	SAMPLE	Prepared:	12/29/05
Lab ID:	183988-008	Analyzed:	01/02/06
Diln Fac:	5.000	Cleanup Method:	EPA 3630C
Batch#:	109117		

Analyte	Result	RL
Diesel C10-C24	16 H Y	5.0

Surrogate	%REC	Limits
Hexacosane	108	48-132

Field ID:	B-10-10	Sampled:	12/20/05
Type:	SAMPLE	Prepared:	12/29/05
Lab ID:	183988-009	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109117		

Analyte	Result	RL
Diesel C10-C24	3.4 Y	1.0

Surrogate	%REC	Limits
Hexacosane	103	48-132

Field ID:	B-10-15	Sampled:	12/20/05
Type:	SAMPLE	Prepared:	12/29/05
Lab ID:	183988-010	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109117		

Analyte	Result	RL
Diesel C10-C24	8.3 L Y	1.0

Surrogate	%REC	Limits
Hexacosane	102	48-132

Field ID:	B-11-5	Sampled:	12/21/05
Type:	SAMPLE	Prepared:	12/29/05
Lab ID:	183988-012	Analyzed:	12/30/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109117		

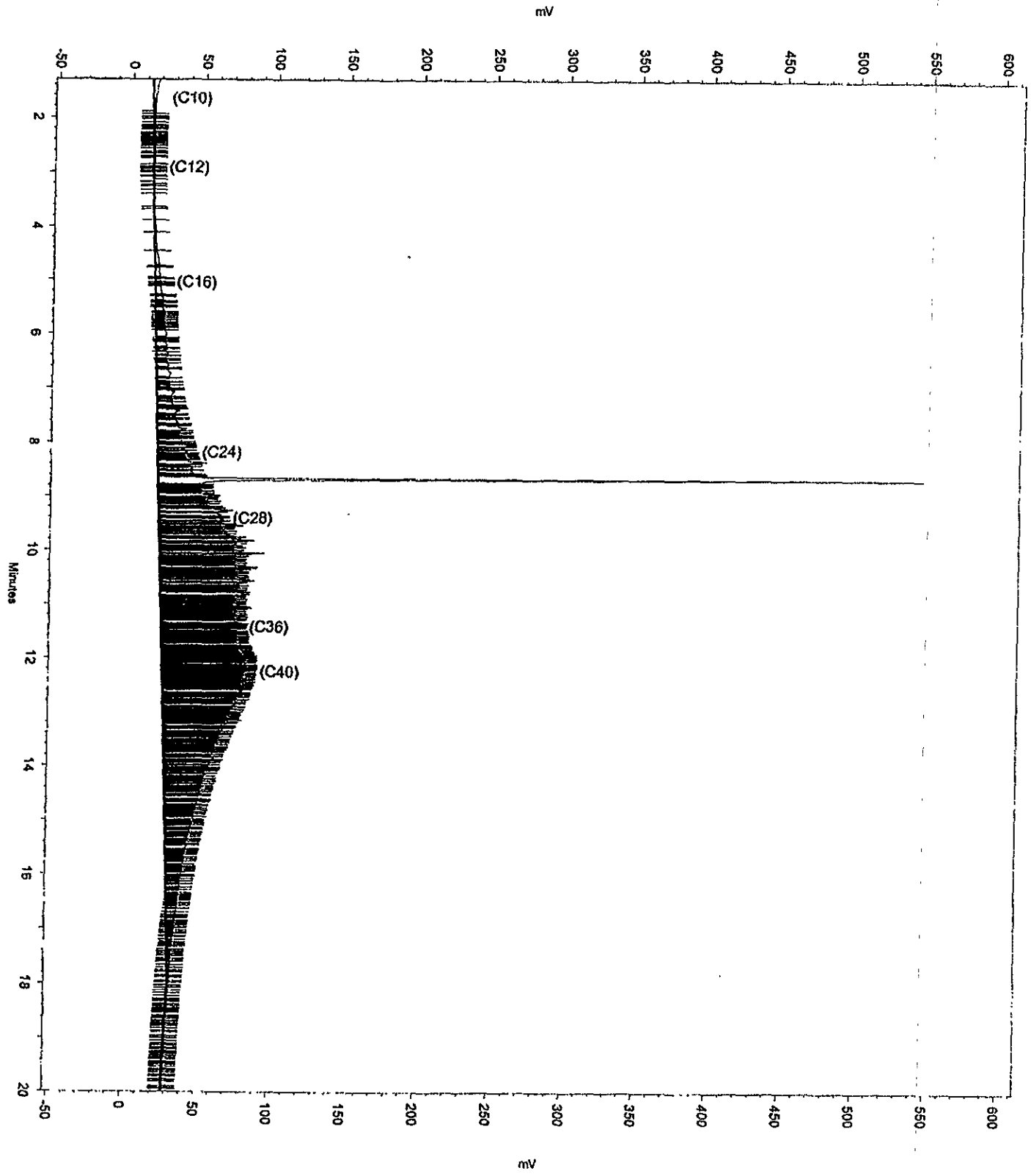
Analyte	Result	RL
Diesel C10-C24	4.9 Y	0.99

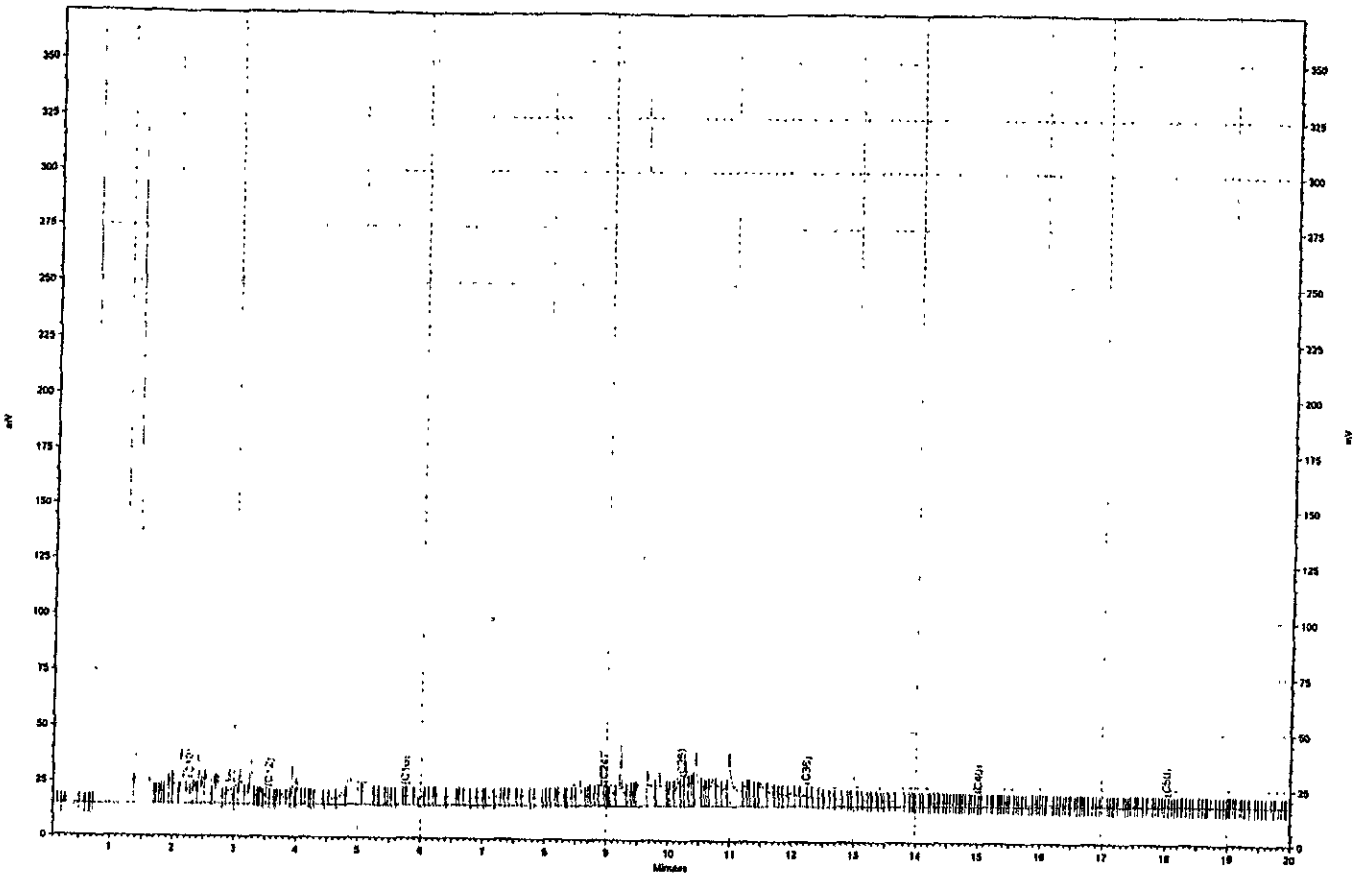
Surrogate	%REC	Limits
Hexacosane	104	48-132

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

Sample Name: 183988-008sg,109117,5x
Data File: \\Lims\gdrive\ezchrom\Projects\GC15B\Data\002b014
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\002.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met
Run Date: 1/2/2008 7:44:07 PM
Analysis Date: 1/3/2008 8:44:37 AM
Instrument: GC15B Vial: 14 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1

B-10-5





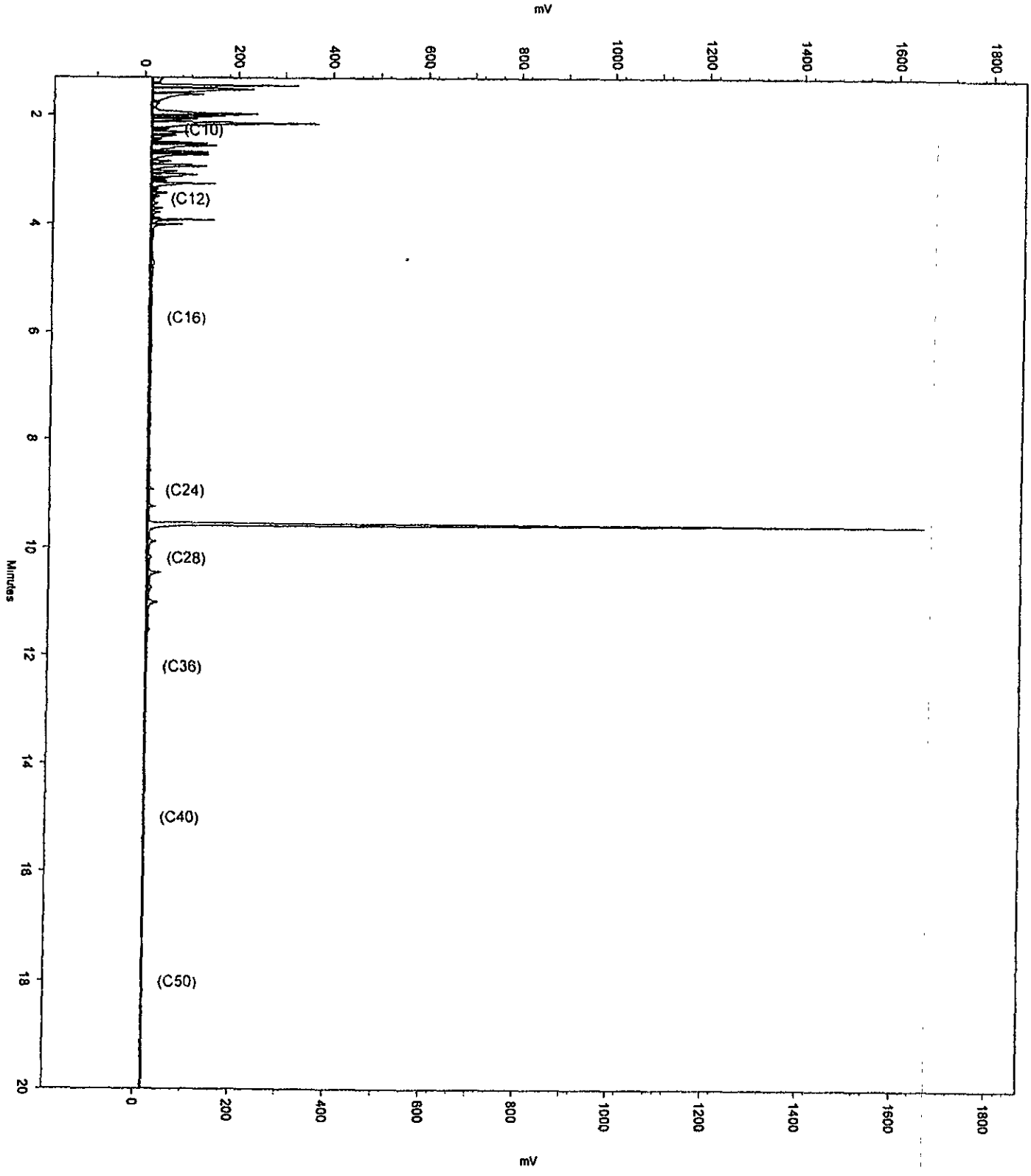
\\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b063, B

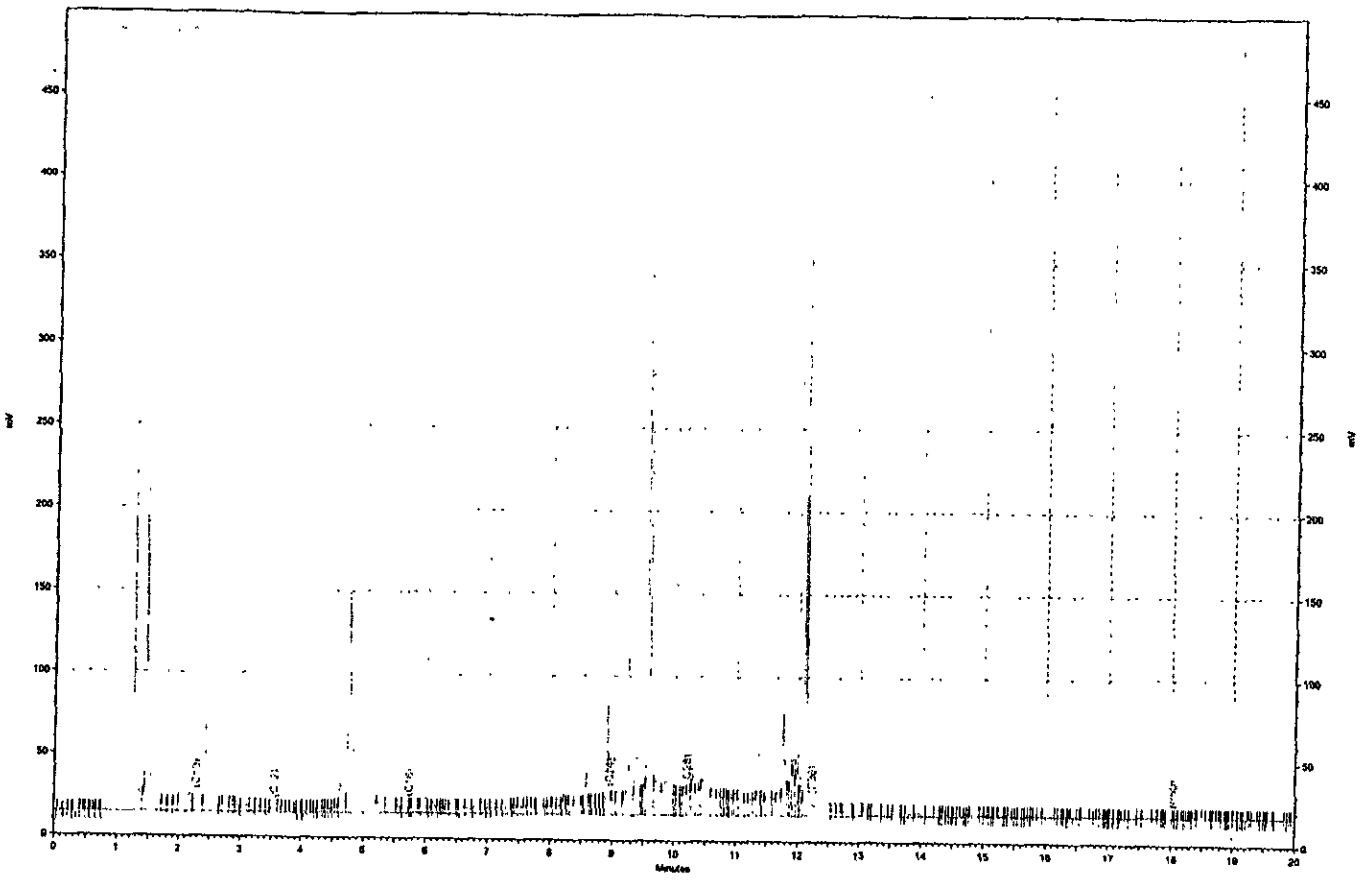
183988 - 009 sg, 109117

B-10-10

Sample Name: 183988-010sg,109117
Data File: \\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b060
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC13B\Sequence\363.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC13B\Method\bteh363.met
Run Date: 12/31/2005 12:04:43 AM
Analysis Date: 12/31/2005 3:15:48 PM
Instrument: GC13B (Offline) Vial: 60 Operator: Teh 2. analyst (lims2k3\teh2)
Sample Amount: 1

B-10-15





\\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b059, B

183988 - 012 sg, 109117

B-11-TO R1/16/06

B-11-5

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	12/22/05

Field ID:	B-11-10	Sampled:	12/21/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-013	Analyzed:	12/30/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	4.3 L Y	1.0

Surrogate	%REC	Limits
Hexacosane	89	48-132

Field ID:	B-11-14	Sampled:	12/21/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-014	Analyzed:	12/30/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	1.7 Y	1.0

Surrogate	%REC	Limits
Hexacosane	88	48-132

Field ID:	B-12-5	Sampled:	12/20/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-016	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	38 L Y	1.0

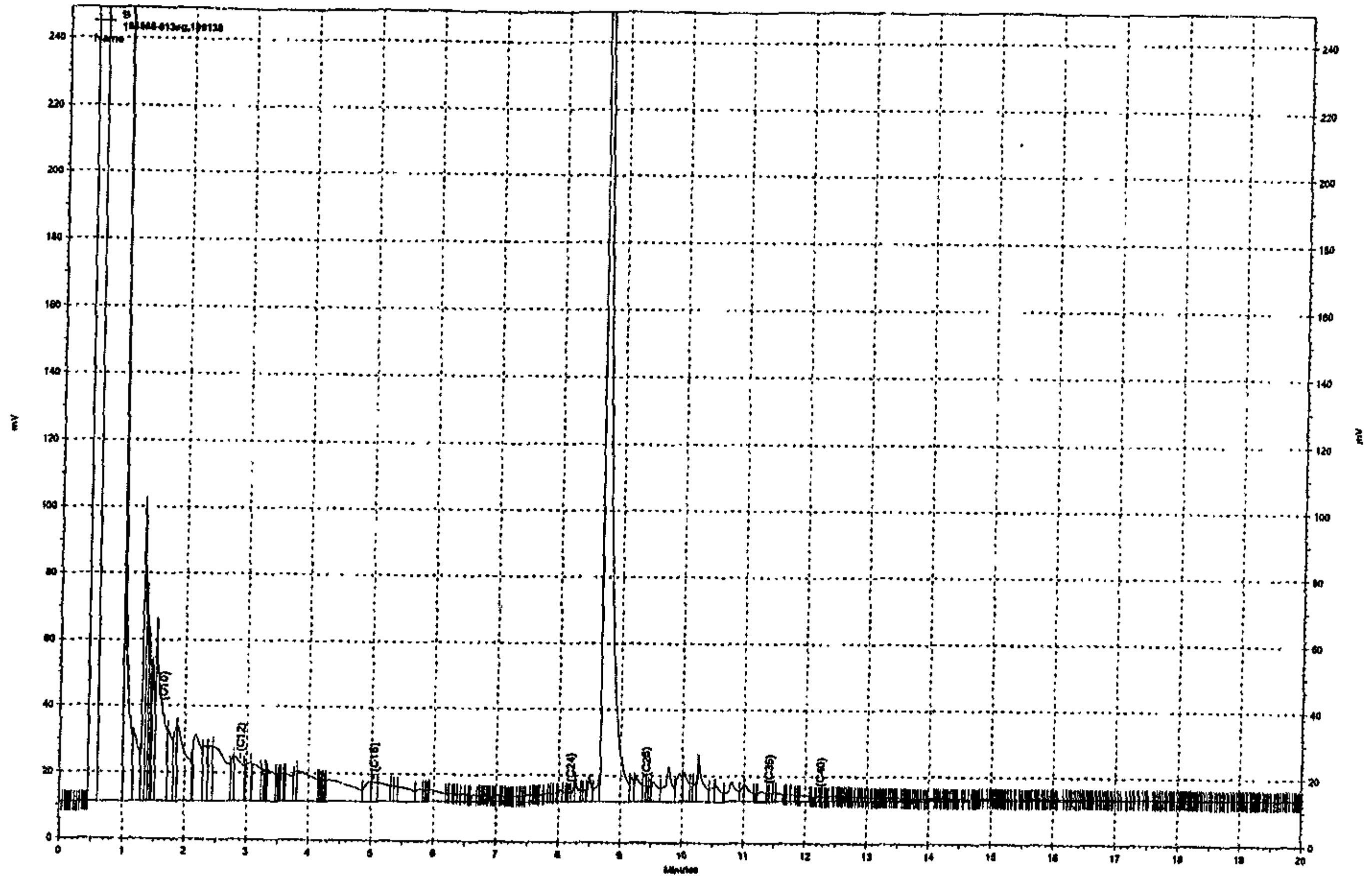
Surrogate	%REC	Limits
Hexacosane	73	48-132

Field ID:	B-12-11	Sampled:	12/20/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-017	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	26 Y	1.0

Surrogate	%REC	Limits
Hexacosane	81	48-132

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

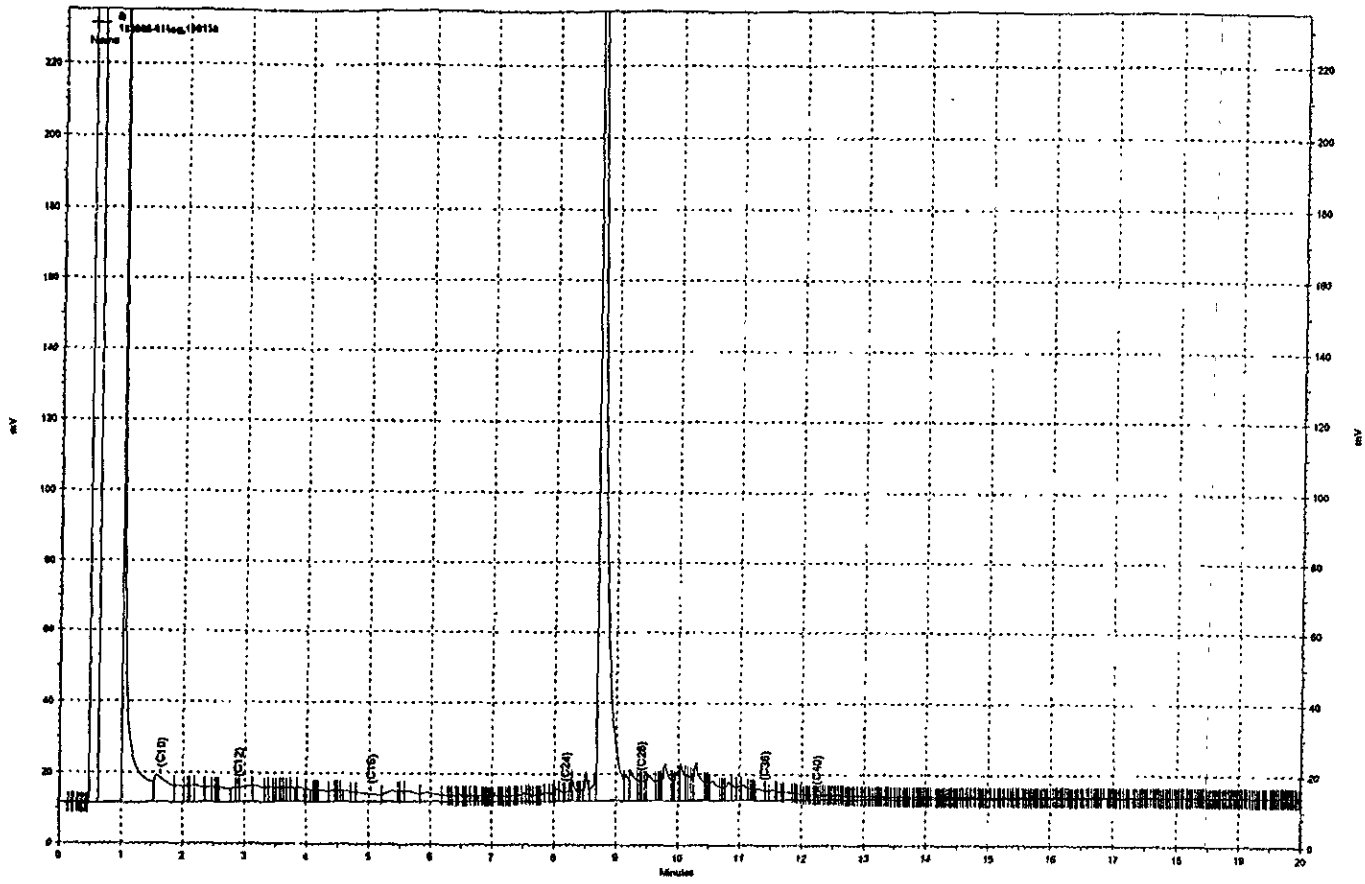


—— \\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b049, B

184688-013 sg, 109138

3q TJP 12/31/05

B-11-10



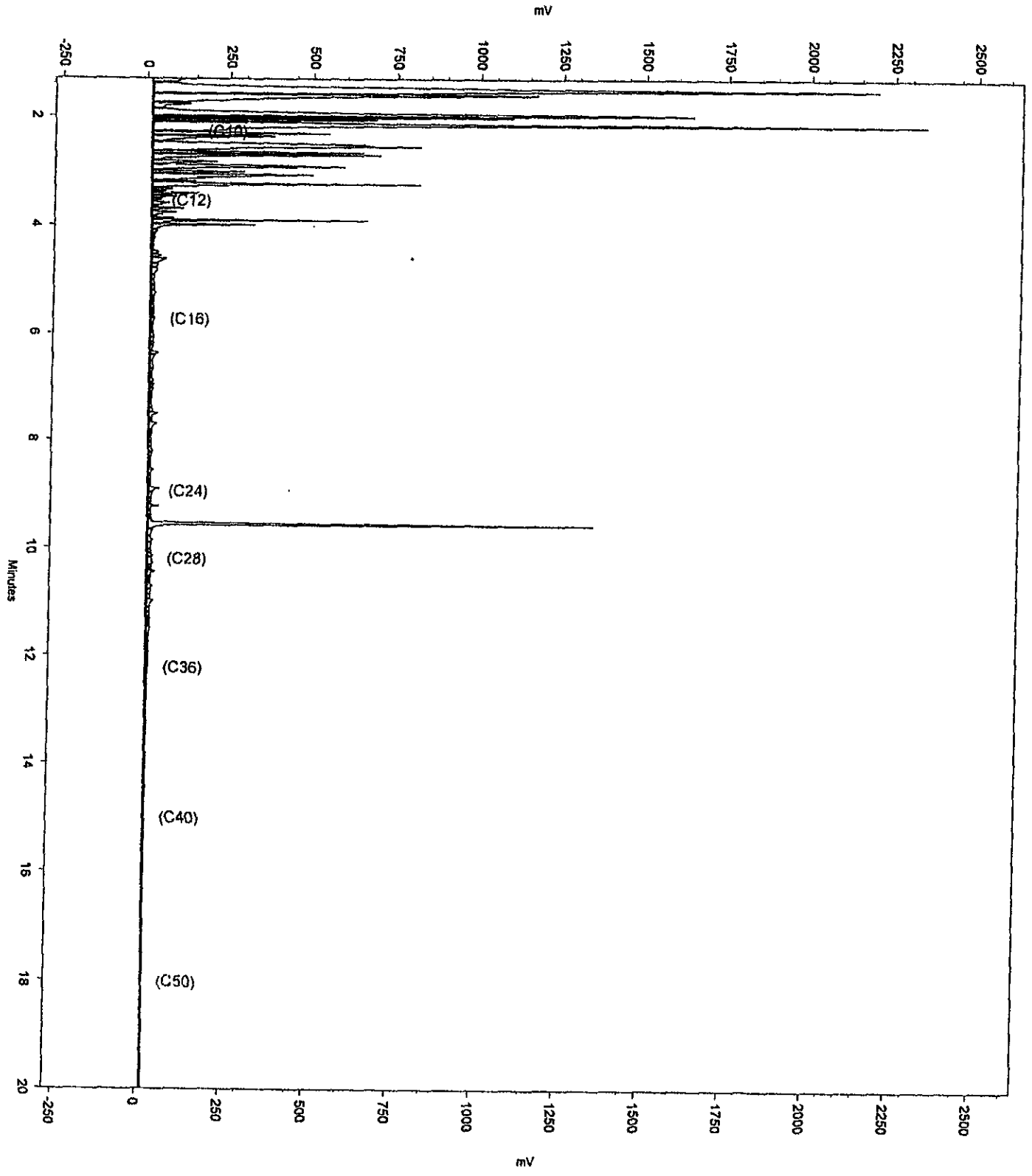
\\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b048, B

183988-014 sg, 109138

B-11-14

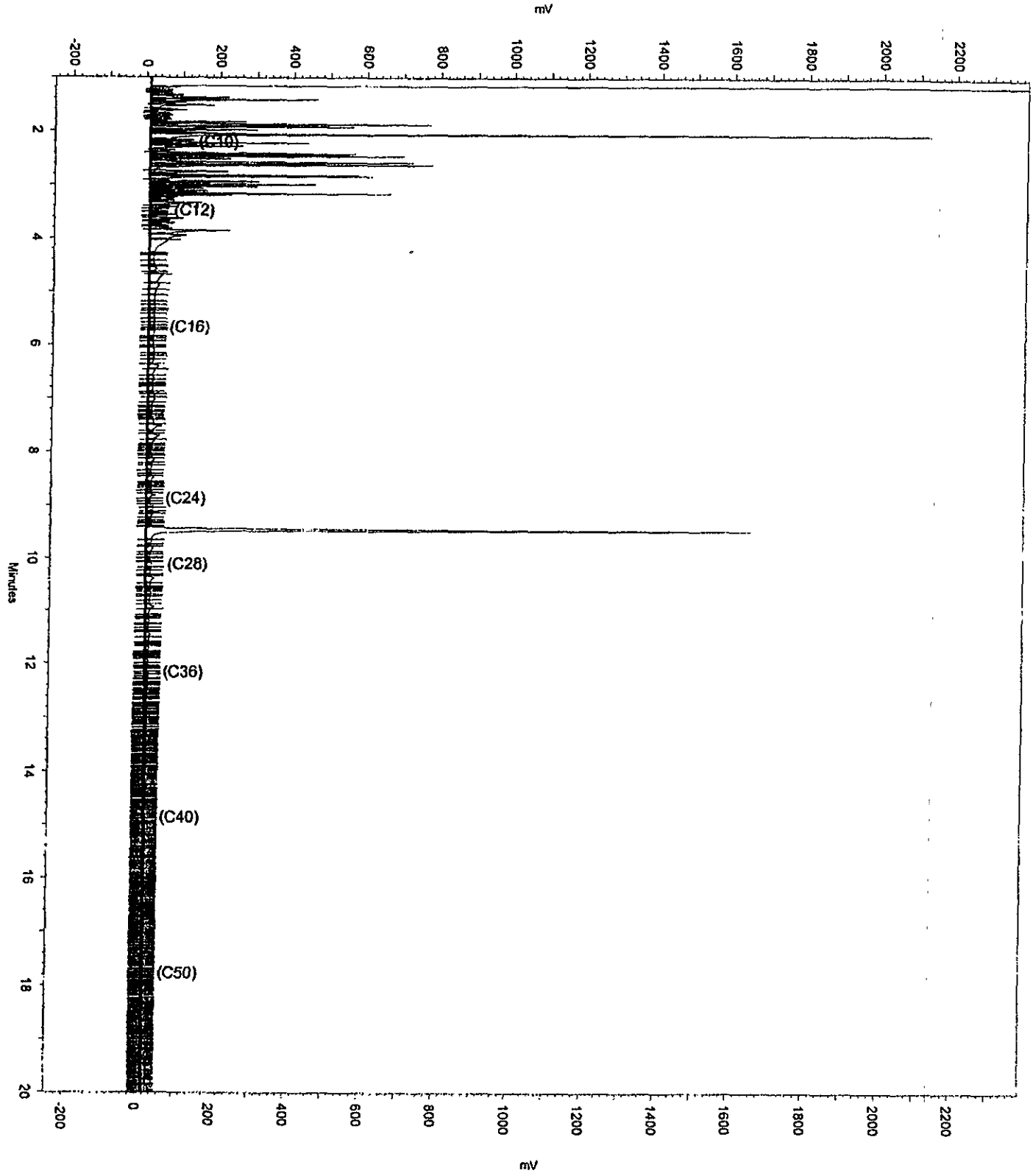
Sample Name: **189088-016sg,109138**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b065**
Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC13B\Sequence\363.seq**
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC13B\Method\bteh363.met
Run Date: 12/31/2005 2:24:32 AM
Analysis Date: 12/31/2005 3:16:27 PM
Instrument: GC13B (Offline) Vial: 65 Operator: Teh 2. analyst (lims2k3\teh2)
Sample Amount: 1

B-12-5



Sample Name: 184088-017sg,109138
Data File: \\Lims\gdrive\ezchrom\Projects\GC17A\Data\364a046
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC17A\Sequence\364.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC17A\Method\ateh002.met
Run Date: 12/31/2005 8:33:48 AM
Analysis Date: 1/3/2006 9:36:28 AM
Instrument: GC17A Vial: 46 Operator: Teh 3, Analyst (lims2k3\teh3)
Sample Amount: 1 Dilution Factor: 1 PDF: 1

B-12-11



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	12/22/05

Field ID:	B-13-6	Sampled:	12/21/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-019	Analyzed:	01/02/06
Diln Fac:	3.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	16 H Y	3.0

Surrogate	%REC	Limits
Hexacosane	81	48-132

Field ID:	B-13-10	Sampled:	12/21/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-020	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	13 L Y	1.0

Surrogate	%REC	Limits
Hexacosane	76	48-132

Field ID:	B-13-15	Sampled:	12/21/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-021	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	18 L Y	1.0

Surrogate	%REC	Limits
Hexacosane	94	48-132

Field ID:	B-14-5	Sampled:	12/21/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-023	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

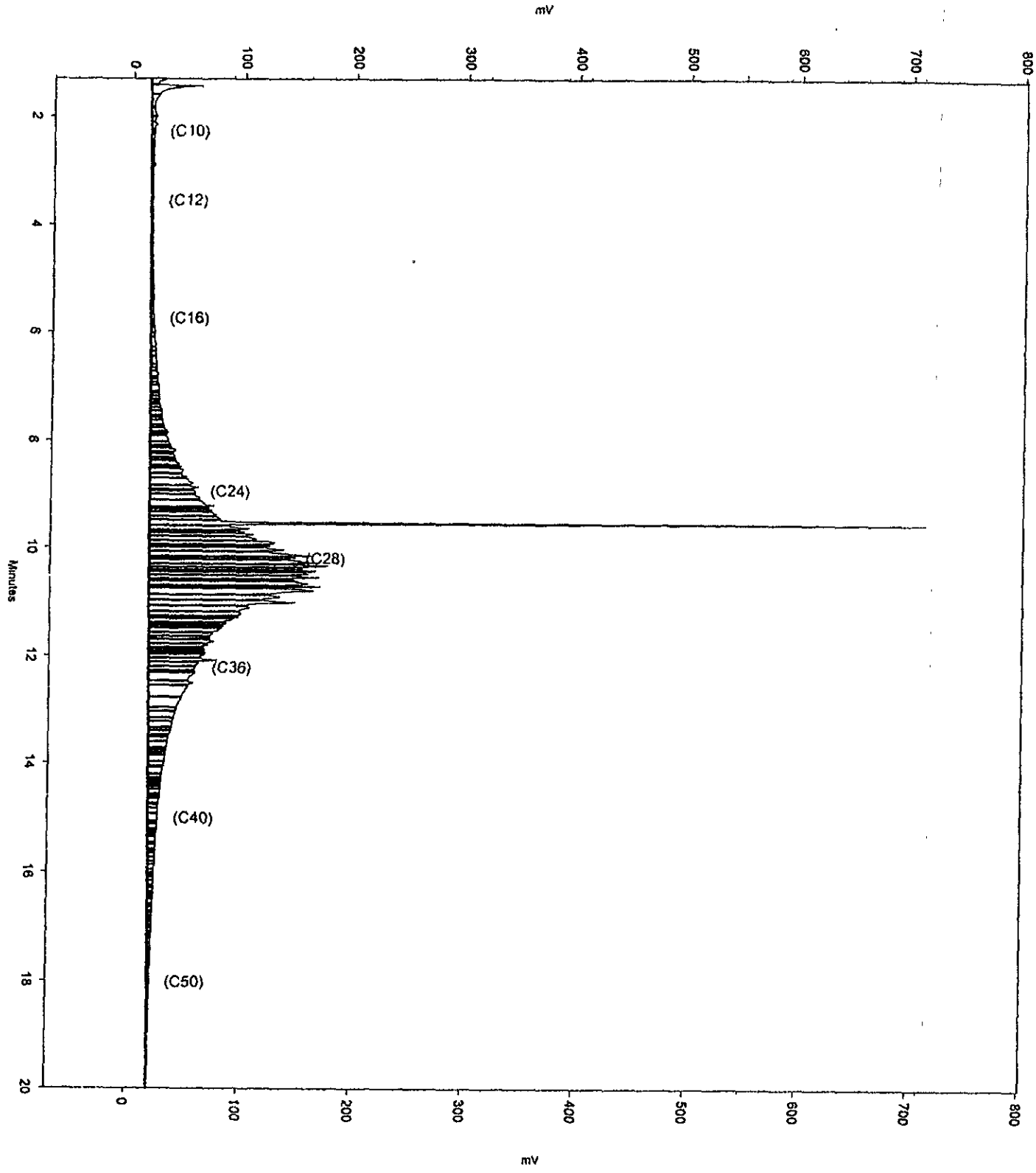
Analyte	Result	RL
Diesel C10-C24	19 L Y	1.0

Surrogate	%REC	Limits
Hexacosane	88	48-132

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

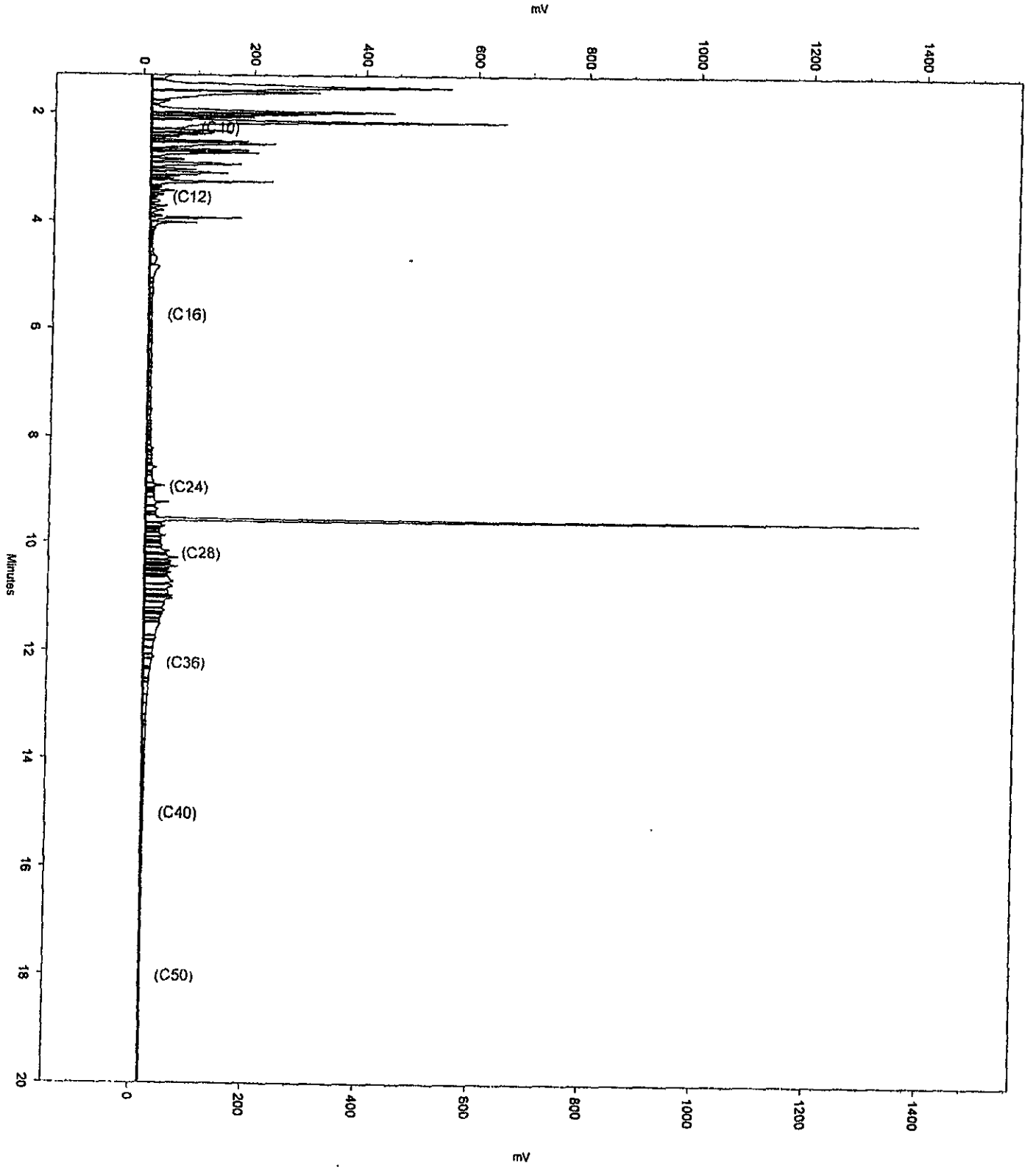
Sample Name: 183988-019sg,109138,3x
Data File: \\Lims\gdrive\ezchrom\Projects\GC13B\Data\002b015
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC13B\Sequence\002.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC13B\Method\bteh363.met
Run Date: 1/2/2006 7:31:09 PM
Analysis Date: 1/3/2006 8:20:34 AM
Instrument: GC13B Vial: 15 Operator: Teh 2. analyst (lims2k3\teh2)
Sample Amount: 1

B-13-6



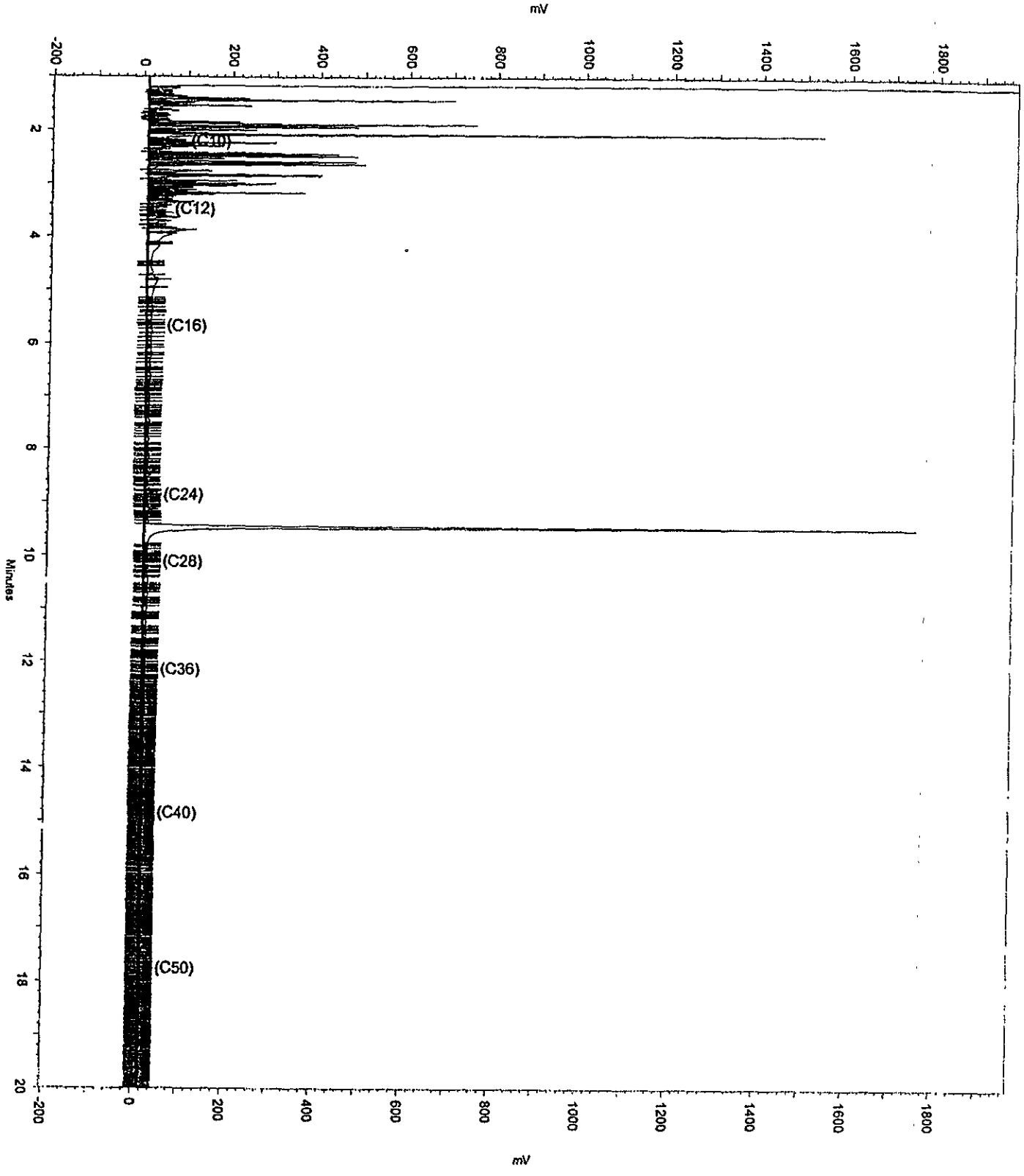
Sample Name: 183988-020sg,109138
Data File: \\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b066
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC13B\Sequence\363.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC13B\Method\bteh363.met
Run Date: 12/31/2005 2:52:32 AM
Analysis Date: 12/31/2005 3:18:38 PM
Instrument: GC13B (Offline) Vial: 66 Operator: Teh 2. analyst (lims2k3\teh2)
Sample Amount: 1

B-13-10



Sample Name: 184088-021sg,109138
Data File: \\Lims\gdrive\ezchrom\Projects\GC17A\Data\364a044
Sequence File: \\Lims\gdrive\ezchrom\Projects\GC17A\Sequence\364.seq
Software Version 3.1.7
Method Name: \\Lims\gdrive\ezchrom\Projects\GC17A\Method\ateh002.met
Run Date: 12/31/2005 5:39:06 AM
Analysis Date: 1/3/2006 9:35:20 AM
Instrument: GC17A Vial: 44 Operator: Teh 3, Analyst (lims2k3\teh3)
Sample Amount: 1 Dilution Factor: 1 PDF: 1

B-13-15



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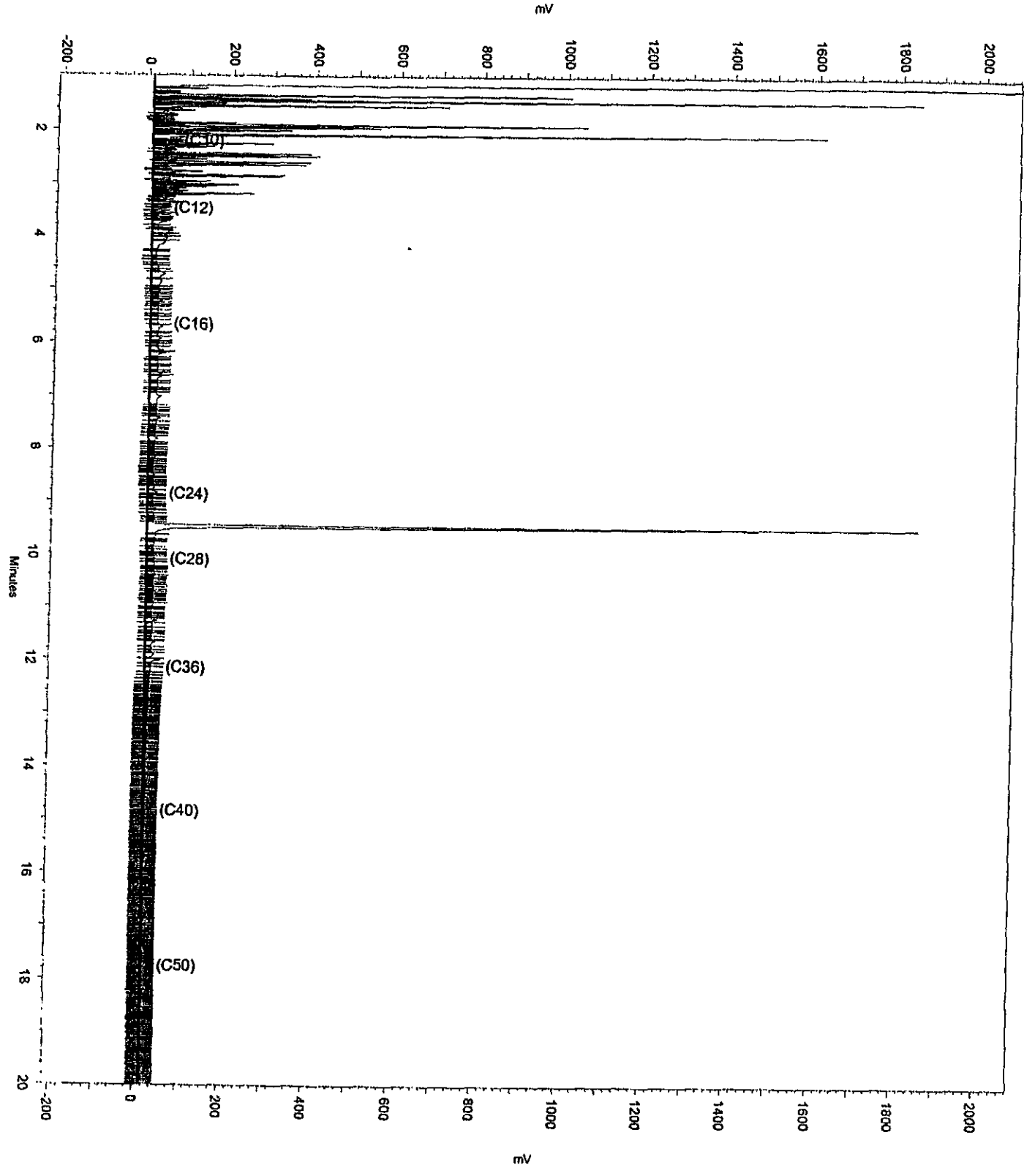
Instrument: GC17A Vial: 43 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1 Dilution Factor: 1 PDF: 1

B-14-5



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	12/22/05

Field ID:	B-14-10	Sampled:	12/21/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-024	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	27 H L Y	1.0

Surrogate	%REC	Limits
Hexacosane	82	48-132

Field ID:	B-14-16	Sampled:	12/21/05
Type:	SAMPLE	Prepared:	12/30/05
Lab ID:	183988-025	Analyzed:	12/31/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	3.8 H Y	1.0

Surrogate	%REC	Limits
Hexacosane	83	48-132

Type:	BLANK	Prepared:	12/29/05
Lab ID:	QC322683	Analyzed:	12/30/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109117		

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	96	48-132

Type:	BLANK	Prepared:	12/30/05
Lab ID:	QC322757	Analyzed:	12/30/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138		

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	96	48-132

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

20.0

Sample Name: **184088-024sg,109138**
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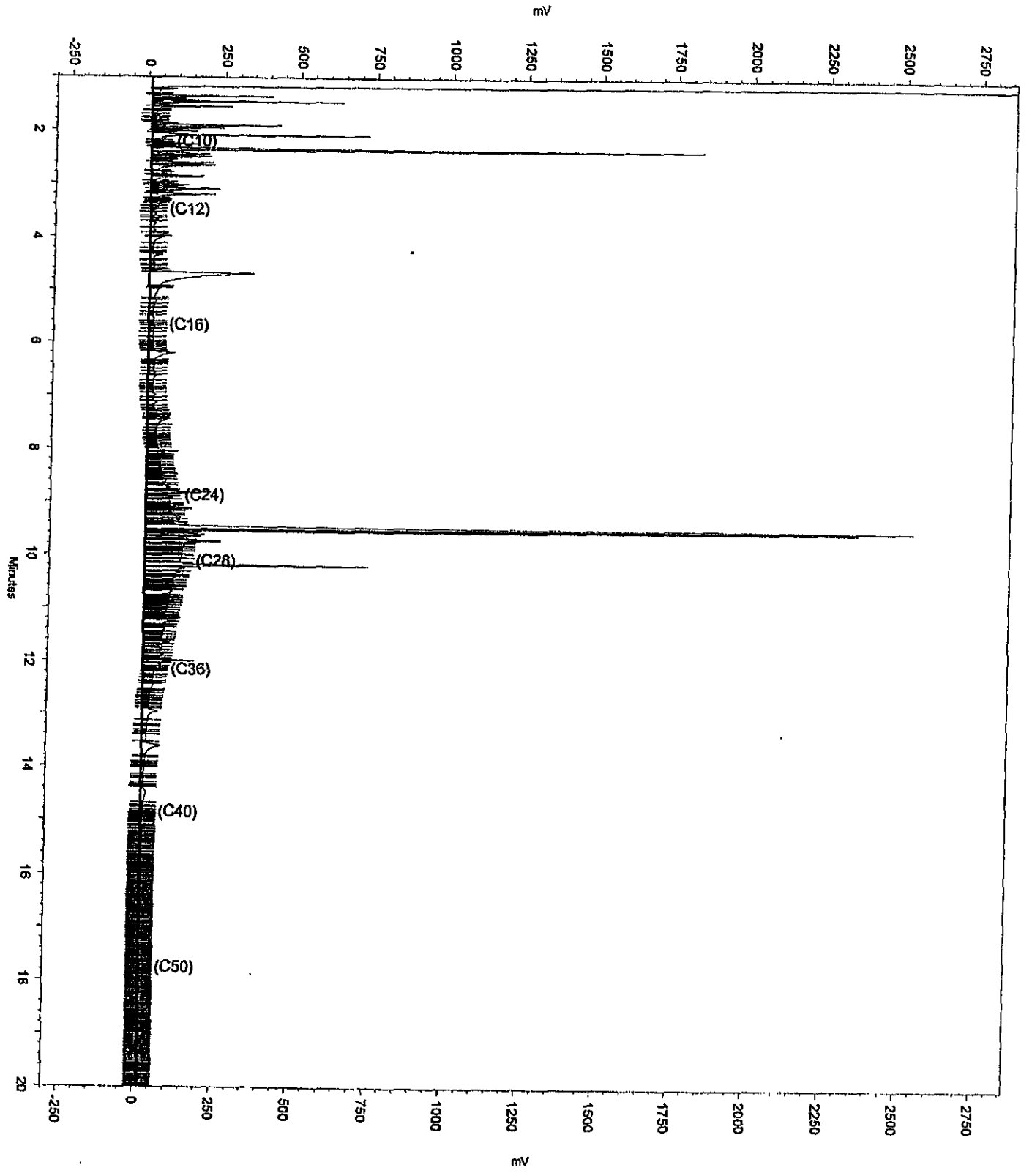
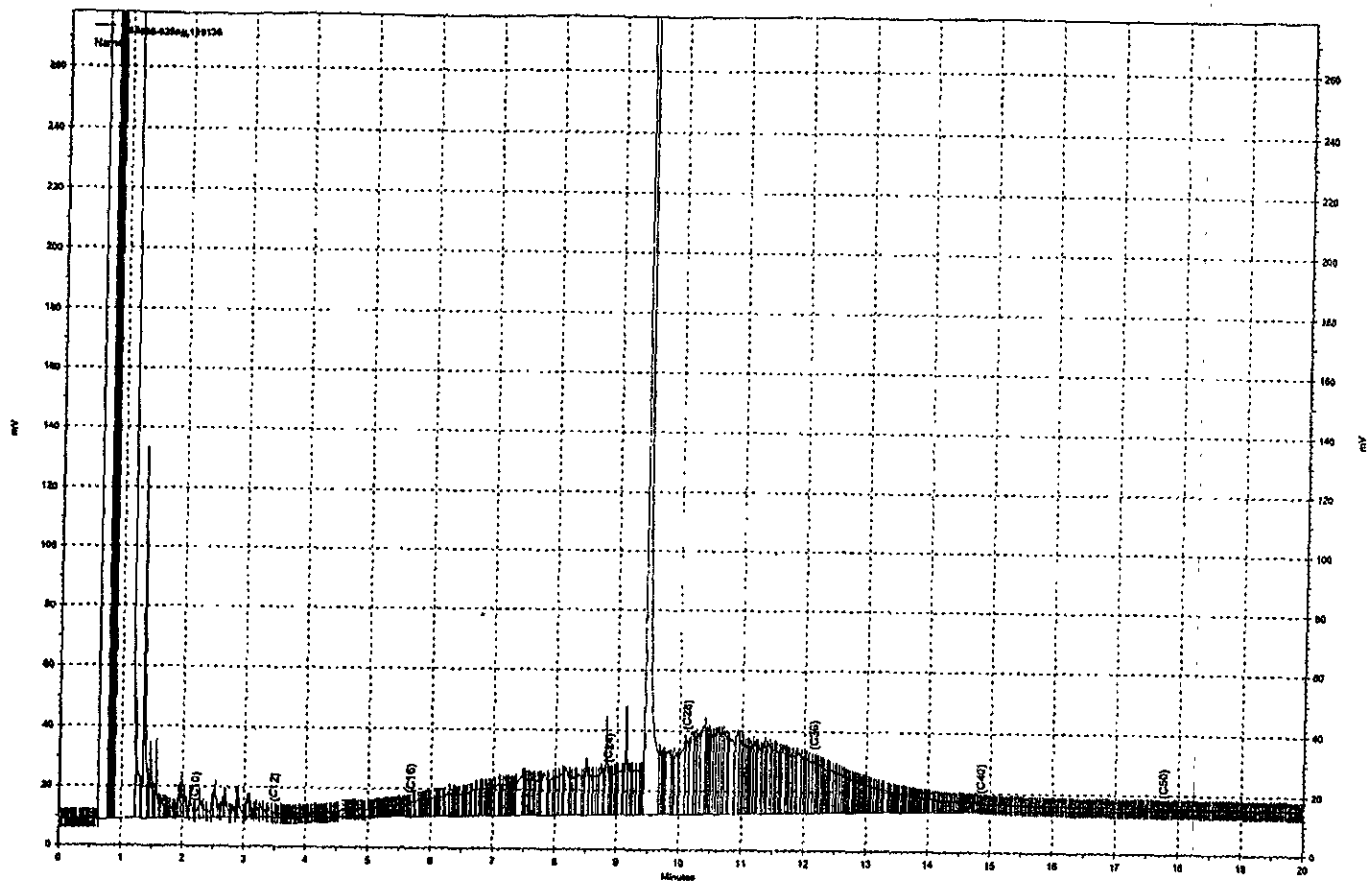
Analysis Date: 1/3/2006 9:34:17 AM
Instrument: GC17A Vial: 42 Operator: Teh 3. Analyst (lims2k3\teh3)
Sample Amount: 1 Dilution Factor: 1 PDF: 1

B-14-10





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184088 - 025 sg , 109138

B-14-16

Sample Name: ccv,s2269,dsl_500
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Method Name: \\Lims\gdrive\ezchrom\Projects\GC13B\Method\bteh363.met
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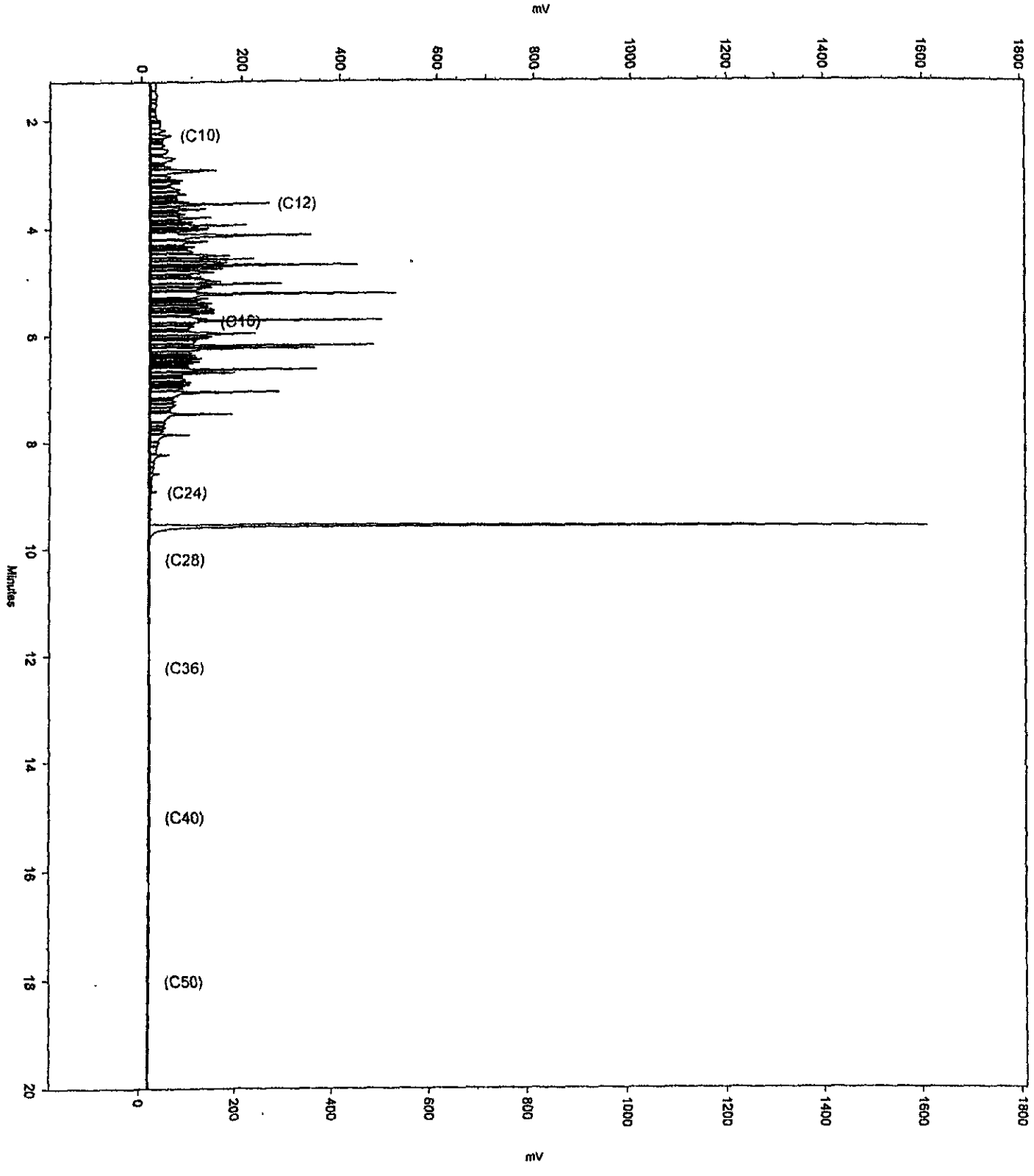
Analysis Date: 12/29/2005 1:22:45 PM
Instrument: GC13B Vial: 3 Operator: Teh 2. analyst (lims2k3\teh2)
Sample Amount: 1

Diesel



Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC322684	Batch#:	109117
Matrix:	Soil	Prepared:	12/29/05
Units:	mg/Kg	Analyzed:	12/30/05
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.24	46.06	92	54-137

Surrogate	%REC	Limits
Hexacosane	91	48-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC322758	Batch#:	109138
Matrix:	Soil	Prepared:	12/30/05
Units:	mg/Kg	Analyzed:	12/30/05
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.53	51.89	105	54-137

Surrogate	%REC	Limits
Hexacosane	95	48-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Field ID:	B-10-5	Batch#:	109117
MSS Lab ID:	183988-008	Sampled:	12/20/05
Matrix:	Soil	Received:	12/22/05
Units:	mg/Kg	Prepared:	12/29/05
Basis:	as received	Analyzed:	01/04/06
Diln Fac:	3.000		

Type: MS
Lab ID: QC322685

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	15.73	50.01	65.46	99	28-163

Surrogate	%REC	Limits
Hexacosane	87	48-132

Type: MSD
Lab ID: QC322686

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.70	71.40	112	28-163	9	46

Surrogate	%REC	Limits
Hexacosane	102	48-132

RPD= Relative Percent Difference

22.0

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	109138
MSS Lab ID:	184055-007	Sampled:	12/27/05
Matrix:	Soil	Received:	12/28/05
Units:	mg/Kg	Prepared:	12/30/05
Basis:	as received	Analyzed:	01/01/06
Diln Fac:	1.000		

Type: MS Lab ID: QC322759

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<0.2507	50.16	45.06	90	28-163

Surrogate	%REC	Limits
Hexacosane	82	48-132

Type: MSD Lab ID: QC322760

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.55	50.05	101	28-163	12	46

Surrogate	%REC	Limits
Hexacosane	91	48-132

RPD= Relative Percent Difference

24.0

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Field ID:	B-8-W	Batch#:	109063
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-001	Analyzed:	12/28/05
Diln Fac:	12.50		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	130
MTBE	860	6.3
Isopropyl Ether (DIPE)	ND	6.3
Ethyl tert-Butyl Ether (ETBE)	ND	6.3
Methyl tert-Amyl Ether (TAME)	ND	6.3
1,2-Dichloroethane	9.7	6.3
1,2-Dibromoethane	ND	6.3

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-121
1,2-Dichloroethane-d4	108	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-124

Field ID:	B-9-W	Batch#:	109063
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-004	Analyzed:	12/28/05
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	13	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	109	80-125
Toluene-d8	103	80-120
Bromofluorobenzene	84	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Field ID:	B-10-W	Batch#:	109029
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-007	Analyzed:	12/27/05
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	1.8	0.5
Isopropyl Ether (DIPE)	1.9	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	2.4	0.5
1,2-Dibromoethane	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	103	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-124

Field ID:	B-11-W	Batch#:	109029
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-011	Analyzed:	12/27/05
Diln Fac:	166.7		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	1,700
MTBE	360	83
Isopropyl Ether (DIPE)	ND	83
Ethyl tert-Butyl Ether (ETBE)	ND	83
Methyl tert-Amyl Ether (TAME)	ND	83
1,2-Dichloroethane	ND	83
1,2-Dibromoethane	ND	83

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-121
1,2-Dichloroethane-d4	96	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	95	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Field ID:	B-12-W	Batch#:	109029
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-015	Analyzed:	12/27/05
Diln Fac:	166.7		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	1,700
MTBE	260	83
Isopropyl Ether (DIPE)	ND	83
Ethyl tert-Butyl Ether (ETBE)	ND	83
Methyl tert-Amyl Ether (TAME)	ND	83
1,2-Dichloroethane	ND	83
1,2-Dibromoethane	ND	83

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	95	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	101	80-124

Field ID:	B-13-W	Batch#:	109029
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-018	Analyzed:	12/28/05
Diln Fac:	125.0		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	1,300
MTBE	550	63
Isopropyl Ether (DIPE)	ND	63
Ethyl tert-Butyl Ether (ETBE)	ND	63
Methyl tert-Amyl Ether (TAME)	ND	63
1,2-Dichloroethane	ND	63
1,2-Dibromoethane	ND	63

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	96	80-125
Toluene-d8	103	80-120
Bromofluorobenzene	99	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Field ID: B-14-W
Type: SAMPLE
Lab ID: 183988-022
Sampled: 12/21/05
Analyzed: 12/28/05

Analyte	Result	RL	Diln Fac	Batch#
tert-Butyl Alcohol (TBA)	ND	1,000	100.0	109029
MTBE	12,000	83	166.7	109063
Isopropyl Ether (DIPE)	ND	50	100.0	109029
Ethyl tert-Butyl Ether (ETBE)	ND	50	100.0	109029
Methyl tert-Amyl Ether (TAME)	ND	50	100.0	109029
1,2-Dichloroethane	ND	50	100.0	109029
1,2-Dibromoethane	ND	50	100.0	109029

Surrogate	%REC	Limits	Diln Fac	Batch#
Dibromofluoromethane	100	80-121	100.0	109029
1,2-Dichloroethane-d4	95	80-125	100.0	109029
Toluene-d8	102	80-120	100.0	109029
Bromofluorobenzene	98	80-124	100.0	109029

Field ID: MW-3
Type: SAMPLE
Lab ID: 183988-026
Diln Fac: 125.0
Batch#: 109029
Sampled: 12/20/05
Analyzed: 12/28/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	1,300
MTBE	12,000	63
Isopropyl Ether (DIPE)	ND	63
Ethyl tert-Butyl Ether (ETBE)	ND	63
Methyl tert-Amyl Ether (TAME)	ND	63
1,2-Dichloroethane	ND	63
1,2-Dibromoethane	ND	63

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-121
1,2-Dichloroethane-d4	81	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Water	Received:	12/22/05
Units:	ug/L		

Type: BLANK
Lab ID: QC322383
Diln Fac: 1.000

Batch#: 109029
Analyzed: 12/27/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-121
1,2-Dichloroethane-d4	88	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-124

Type: BLANK
Lab ID: QC322513
Diln Fac: 1.000

Batch#: 109063
Analyzed: 12/28/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	107	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109029
Units:	ug/L	Analyzed:	12/27/05
Diln Fac:	1.000		

Type: BS Lab ID: QC322381

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	111.3	89	66-138
MTBE	25.00	22.15	89	72-120
Isopropyl Ether (DIPE)	25.00	24.51	98	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	26.28	105	77-123
Methyl tert-Amyl Ether (TAME)	25.00	23.22	93	77-120

Surrogate	%REC	Limits
Dibromofluoromethane	90	80-121
1,2-Dichloroethane-d4	80	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-124

Type: BSD Lab ID: QC322382

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	111.7	89	66-138	0	25
MTBE	25.00	22.63	91	72-120	2	20
Isopropyl Ether (DIPE)	25.00	25.77	103	74-121	5	20
Ethyl tert-Butyl Ether (ETBE)	25.00	27.46	110	77-123	4	20
Methyl tert-Amyl Ether (TAME)	25.00	24.77	99	77-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	89	80-121
1,2-Dichloroethane-d4	86	80-125
Toluene-d8	104	80-120
Bromofluorobenzene	93	80-124

RPD= Relative Percent Difference

3.0

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109063
Units:	ug/L	Analyzed:	12/28/05
Diln Fac:	1.000		

Type: BS Lab ID: QC322511

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	115.0	92	66-138
MTBE	25.00	22.20	89	72-120
Isopropyl Ether (DIPE)	25.00	24.76	99	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	27.73	111	77-123
Methyl tert-Amyl Ether (TAME)	25.00	23.42	94	77-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-121
1,2-Dichloroethane-d4	84	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	91	80-124

Type: BSD Lab ID: QC322512

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	116.4	93	66-138	1	25
MTBE	25.00	22.70	91	72-120	2	20
Isopropyl Ether (DIPE)	25.00	24.57	98	74-121	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	27.01	108	77-123	3	20
Methyl tert-Amyl Ether (TAME)	25.00	23.64	95	77-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-121
1,2-Dichloroethane-d4	86	80-125
Toluene-d8	103	80-120
Bromofluorobenzene	93	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID: B-8-5
Type: SAMPLE
Lab ID: 183988-002
Sampled: 12/20/05

Analyte	Result	RL	Dil'n Fac	Batch#	Analyzed
tert-Butyl Alcohol (TBA)	220	94	0.9434	109157	12/30/05
MTBE	330	23	4.545	109167	01/02/06
Isopropyl Ether (DIPE)	ND	4.7	0.9434	109157	12/30/05
Ethyl tert-Butyl Ether (ETBE)	ND	4.7	0.9434	109157	12/30/05
Methyl tert-Amyl Ether (TAME)	ND	4.7	0.9434	109157	12/30/05
1,2-Dichloroethane	ND	4.7	0.9434	109157	12/30/05
1,2-Dibromoethane	ND	4.7	0.9434	109157	12/30/05

Surrogate	%REC	Limits	Dil'n Fac	Batch#	Analyzed
Dibromofluoromethane	100	80-120	0.9434	109157	12/30/05
1,2-Dichloroethane-d4	113	80-123	0.9434	109157	12/30/05
Toluene-d8	99	80-120	0.9434	109157	12/30/05
Bromofluorobenzene	98	80-124	0.9434	109157	12/30/05

Field ID: B-8-10
Type: SAMPLE
Lab ID: 183988-003
Sampled: 12/20/05

Analyte	Result	RL	Dil'n Fac	Batch#	Analyzed
tert-Butyl Alcohol (TBA)	ND	91	0.9091	109157	12/30/05
MTBE	570	130	25.00	109191	01/03/06
Isopropyl Ether (DIPE)	ND	4.5	0.9091	109157	12/30/05
Ethyl tert-Butyl Ether (ETBE)	ND	4.5	0.9091	109157	12/30/05
Methyl tert-Amyl Ether (TAME)	ND	4.5	0.9091	109157	12/30/05
1,2-Dichloroethane	ND	4.5	0.9091	109157	12/30/05
1,2-Dibromoethane	ND	4.5	0.9091	109157	12/30/05

Surrogate	%REC	Limits	Dil'n Fac	Batch#	Analyzed
Dibromofluoromethane	86	80-120	0.9091	109157	12/30/05
1,2-Dichloroethane-d4	81	80-123	0.9091	109157	12/30/05
Toluene-d8	102	80-120	0.9091	109157	12/30/05
Bromofluorobenzene	96	80-124	0.9091	109157	12/30/05

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID:	B-9-6	Batch#:	109157
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-005	Analyzed:	12/30/05
Diln Fac:	0.9434		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
1,2-Dichloroethane	ND	4.7
1,2-Dibromoethane	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	96	80-123
Toluene-d8	93	80-120
Bromofluorobenzene	94	80-124

Field ID:	B-9-11	Batch#:	109157
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-006	Analyzed:	12/30/05
Diln Fac:	0.9434		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	6.9	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
1,2-Dichloroethane	ND	4.7
1,2-Dibromoethane	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	97	80-123
Toluene-d8	92	80-120
Bromofluorobenzene	97	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID:	B-10-5	Batch#:	109167
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-008	Analyzed:	01/02/06
Diln Fac:	0.9434		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
1,2-Dichloroethane	ND	4.7
1,2-Dibromoethane	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	111	80-123
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-124

Field ID:	B-10-10	Batch#:	109167
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-009	Analyzed:	01/02/06
Diln Fac:	0.8929		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
1,2-Dichloroethane	ND	4.5
1,2-Dibromoethane	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	113	80-123
Toluene-d8	101	80-120
Bromofluorobenzene	96	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID:	B-10-15	Batch#:	109167
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-010	Analyzed:	01/02/06
Diln Fac:	0.8929		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
1,2-Dichloroethane	ND	4.5
1,2-Dibromoethane	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	113	80-123
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-124

Field ID:	B-11-5	Batch#:	109167
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-012	Analyzed:	01/02/06
Diln Fac:	0.9615		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
1,2-Dichloroethane	ND	4.8
1,2-Dibromoethane	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	115	80-123
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID:	B-11-10	Batch#:	109167
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-013	Analyzed:	01/02/06
Diln Fac:	0.9434		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	82	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
1,2-Dichloroethane	ND	4.7
1,2-Dibromoethane	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	114	80-123
Toluene-d8	101	80-120
Bromofluorobenzene	92	80-124

Field ID:	B-11-14	Batch#:	109167
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-014	Analyzed:	01/02/06
Diln Fac:	0.9434		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	9.6	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
1,2-Dichloroethane	ND	4.7
1,2-Dibromoethane	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	107	80-123
Toluene-d8	100	80-120
Bromofluorobenzene	93	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID:	B-12-5	Batch#:	109167
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-016	Analyzed:	01/02/06
Diln Fac:	0.9434		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
1,2-Dichloroethane	ND	4.7
1,2-Dibromoethane	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	104	80-123
Toluene-d8	101	80-120
Bromofluorobenzene	97	80-124

Field ID:	B-12-11	Batch#:	109167
Type:	SAMPLE	Sampled:	12/20/05
Lab ID:	183988-017	Analyzed:	01/02/06
Diln Fac:	0.9091		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
1,2-Dichloroethane	ND	4.5
1,2-Dibromoethane	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	108	80-123
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID:	B-13-6	Batch#:	109167
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-019	Analyzed:	01/02/06
Diln Fac:	0.8772		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	88
MTBE	ND	4.4
Isopropyl Ether (DIPE)	ND	4.4
Ethyl tert-Butyl Ether (ETBE)	ND	4.4
Methyl tert-Amyl Ether (TAME)	ND	4.4
1,2-Dichloroethane	ND	4.4
1,2-Dibromoethane	ND	4.4

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	111	80-123
Toluene-d8	100	80-120
Bromofluorobenzene	95	80-124

Field ID:	B-13-10	Batch#:	109167
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-020	Analyzed:	01/03/06
Diln Fac:	0.9434		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
1,2-Dichloroethane	ND	4.7
1,2-Dibromoethane	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	115	80-123
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID:	B-13-15	Batch#:	109219
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-021	Analyzed:	01/04/06
Diln Fac:	250.0		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	25,000
MTBE	ND	1,300
Isopropyl Ether (DIPE)	ND	1,300
Ethyl tert-Butyl Ether (ETBE)	ND	1,300
Methyl tert-Amyl Ether (TAME)	ND	1,300
1,2-Dichloroethane	ND	1,300
1,2-Dibromoethane	ND	1,300

Surrogate	%REC	Limits
Dibromofluoromethane	86	80-120
1,2-Dichloroethane-d4	88	80-123
Toluene-d8	89	80-120
Bromofluorobenzene	97	80-124
Trifluorotoluene (MeOH)	112	31-132

Field ID:	B-14-5	Batch#:	109219
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-023	Analyzed:	01/04/06
Diln Fac:	200.0		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20,000
MTBE	11,000	1,000
Isopropyl Ether (DIPE)	ND	1,000
Ethyl tert-Butyl Ether (ETBE)	ND	1,000
Methyl tert-Amyl Ether (TAME)	ND	1,000
1,2-Dichloroethane	ND	1,000
1,2-Dibromoethane	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	85	80-120
1,2-Dichloroethane-d4	84	80-123
Toluene-d8	89	80-120
Bromofluorobenzene	95	80-124
Trifluorotoluene (MeOH)	116	31-132

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID:	B-14-10	Batch#:	109221
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-024	Analyzed:	01/04/06
Diln Fac:	25.00		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	2,500
MTBE	1,900	130
Isopropyl Ether (DIPE)	ND	130
Ethyl tert-Butyl Ether (ETBE)	ND	130
Methyl tert-Amyl Ether (TAME)	ND	130
1,2-Dichloroethane	ND	130
1,2-Dibromoethane	ND	130

Surrogate	%REC	Limits
Dibromofluoromethane	114	80-120
1,2-Dichloroethane-d4	109	80-123
Toluene-d8	105	80-120
Bromofluorobenzene	103	80-124

Field ID:	B-14-16	Batch#:	109219
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-025	Analyzed:	01/04/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	550 >LR b	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dibromoethane	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	84	80-120
1,2-Dichloroethane-d4	84	80-123
Toluene-d8	90	80-120
Bromofluorobenzene	96	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Field ID:	B-14-16 RE	Batch#:	109260
Type:	SAMPLE	Sampled:	12/21/05
Lab ID:	183988-029	Analyzed:	01/05/06
Diln Fac:	25.00		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND b	2,500
MTBE	1,500 b	130
Isopropyl Ether (DIPE)	ND b	130
Ethyl tert-Butyl Ether (ETBE)	ND b	130
Methyl tert-Amyl Ether (TAME)	ND b	130
1,2-Dichloroethane	ND b	130
1,2-Dibromoethane	ND b	130

Surrogate	%REC	Limits
Dibromofluoromethane	83 b	80-120
1,2-Dichloroethane-d4	87 b	80-123
Toluene-d8	90 b	80-120
Bromofluorobenzene	97 b	80-124
Trifluorotoluene (MeOH)	102 b	31-132

Type:	BLANK	Batch#:	109157
Lab ID:	QC322844	Analyzed:	12/30/05
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dibromoethane	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120
1,2-Dichloroethane-d4	104	80-123
Toluene-d8	94	80-120
Bromofluorobenzene	107	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Type:	BLANK	Batch#:	109167
Lab ID:	QC322883	Analyzed:	01/02/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dibromoethane	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	107	80-123
Toluene-d8	101	80-120
Bromofluorobenzene	107	80-124

Type:	BLANK	Batch#:	109191
Lab ID:	QC322972	Analyzed:	01/03/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dibromoethane	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	83	80-120
1,2-Dichloroethane-d4	85	80-123
Toluene-d8	90	80-120
Bromofluorobenzene	95	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Type: BLANK
Lab ID: QC323085
Diln Fac: 1.000

Batch#: 109219
Analyzed: 01/04/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dibromoethane	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-120
1,2-Dichloroethane-d4	87	80-123
Toluene-d8	89	80-120
Bromofluorobenzene	96	80-124

Type: BLANK
Lab ID: QC323089
Diln Fac: 1.000

Batch#: 109221
Analyzed: 01/04/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dibromoethane	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-120
1,2-Dichloroethane-d4	110	80-123
Toluene-d8	100	80-120
Bromofluorobenzene	110	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	12/22/05

Type:	BLANK	Batch#:	109260
Lab ID:	QC323235	Analyzed:	01/05/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dibromoethane	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	86	80-120
1,2-Dichloroethane-d4	84	80-123
Toluene-d8	88	80-120
Bromofluorobenzene	96	80-124

b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC322843	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109157
Units:	ug/Kg	Analyzed:	12/30/05

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	107.8	86	59-143
MTBE	25.00	22.49	90	72-121
Isopropyl Ether (DIPE)	25.00	23.59	94	68-127
Ethyl tert-Butyl Ether (ETBE)	25.00	25.96	104	73-127
Methyl tert-Amyl Ether (TAME)	25.00	22.00	88	73-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	101	80-123
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-124

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC322882	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109167
Units:	ug/Kg	Analyzed:	01/02/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	110.7	89	59-143
MTBE	25.00	24.20	97	72-121
Isopropyl Ether (DIPE)	25.00	25.52	102	68-127
Ethyl tert-Butyl Ether (ETBE)	25.00	27.92	112	73-127
Methyl tert-Amyl Ether (TAME)	25.00	23.91	96	73-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	107	80-123
Toluene-d8	101	80-120
Bromofluorobenzene	96	80-124

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC322971	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109191
Units:	ug/Kg	Analyzed:	01/03/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	91.63	73	59-143
MTBE	25.00	18.46	74	72-121
Isopropyl Ether (DIPE)	25.00	18.34	73	68-127
Ethyl tert-Butyl Ether (ETBE)	25.00	21.00	84	73-127
Methyl tert-Amyl Ether (TAME)	25.00	20.89	84	73-120

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-120
1,2-Dichloroethane-d4	87	80-123
Toluene-d8	91	80-120
Bromofluorobenzene	97	80-124

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC323083	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109219
Units:	ug/Kg	Analyzed:	01/04/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	88.67	71	59-143
MTBE	25.00	18.62	74	72-121
Isopropyl Ether (DIPE)	25.00	19.63	79	68-127
Ethyl tert-Butyl Ether (ETBE)	25.00	21.62	86	73-127
Methyl tert-Amyl Ether (TAME)	25.00	20.57	82	73-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	80-120
1,2-Dichloroethane-d4	86	80-123
Toluene-d8	93	80-120
Bromofluorobenzene	94	80-124

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	109221
Basis:	as received	Analyzed:	01/04/06

Type: BS Lab ID: QC323087

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	150.4	120	59-143
MTBE	25.00	24.52	98	72-121
Isopropyl Ether (DIPE)	25.00	26.57	106	68-127
Ethyl tert-Butyl Ether (ETBE)	25.00	29.07	116	73-127
Methyl tert-Amyl Ether (TAME)	25.00	24.66	99	73-120

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	104	80-123
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-124

Type: BSD Lab ID: QC323088

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	140.6	112	59-143	7	29
MTBE	25.00	23.88	96	72-121	3	20
Isopropyl Ether (DIPE)	25.00	21.86	87	68-127	19	20
Ethyl tert-Butyl Ether (ETBE)	25.00	29.68	119	73-127	2	20
Methyl tert-Amyl Ether (TAME)	25.00	23.33	93	73-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	104	80-123
Toluene-d8	98	80-120
Bromofluorobenzene	104	80-124

RPD= Relative Percent Difference

34.0

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC323234	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109260
Units:	ug/Kg	Analyzed:	01/05/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	92.37	74	59-143
MTBE	25.00	20.11	80	72-121
Isopropyl Ether (DIPE)	25.00	21.44	86	68-127
Ethyl tert-Butyl Ether (ETBE)	25.00	23.56	94	73-127
Methyl tert-Amyl Ether (TAME)	25.00	21.50	86	73-120

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-120
1,2-Dichloroethane-d4	86	80-123
Toluene-d8	91	80-120
Bromofluorobenzene	94	80-124

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9615
MSS Lab ID:	183950-062	Batch#:	109157
Matrix:	Soil	Sampled:	12/20/05
Units:	ug/Kg	Received:	12/20/05
Basis:	as received		

Type: MS Analyzed: 01/02/06
Lab ID: QC322860

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<12.35	120.2	98.65	82	45-141
MTBE	<0.4139	24.04	19.89	83	58-124
Isopropyl Ether (DIPE)	<0.4597	24.04	19.95	83	57-126
Ethyl tert-Butyl Ether (ETBE)	<0.1890	24.04	22.49	94	61-129
Methyl tert-Amyl Ether (TAME)	<0.4639	24.04	20.51	85	63-120

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-120
1,2-Dichloroethane-d4	90	80-123
Toluene-d8	91	80-120
Bromofluorobenzene	96	80-124

Type: MSD Analyzed: 01/03/06
Lab ID: QC322861

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	120.2	85.80	71	45-141	14	33
MTBE	24.04	18.81	78	58-124	6	20
Isopropyl Ether (DIPE)	24.04	19.62	82	57-126	2	23
Ethyl tert-Butyl Ether (ETBE)	24.04	21.69	90	61-129	4	21
Methyl tert-Amyl Ether (TAME)	24.04	18.83	78	63-120	9	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	88	80-123
Toluene-d8	91	80-120
Bromofluorobenzene	95	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9615
MSS Lab ID:	184088-003	Batch#:	109191
Matrix:	Soil	Sampled:	12/28/05
Units:	ug/Kg	Received:	12/29/05
Basis:	as received	Analyzed:	01/04/06

Type: MS Lab ID: QC322988

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<12.35	240.4	163.1	68	45-141
MTBE	<0.4139	48.08	35.44	74	58-124
Isopropyl Ether (DIPE)	<0.4597	48.08	38.31	80	57-126
Ethyl tert-Butyl Ether (ETBE)	<0.1890	48.08	41.30	86	61-129
Methyl tert-Amyl Ether (TAME)	<0.4639	48.08	38.95	81	63-120

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-120
1,2-Dichloroethane-d4	86	80-123
Toluene-d8	91	80-120
Bromofluorobenzene	97	80-124

Type: MSD Lab ID: QC322989

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	240.4	162.1	67	45-141	1	33
MTBE	48.08	34.72	72	58-124	2	20
Isopropyl Ether (DIPE)	48.08	36.91	77	57-126	4	23
Ethyl tert-Butyl Ether (ETBE)	48.08	40.04	83	61-129	3	21
Methyl tert-Amyl Ether (TAME)	48.08	37.42	78	63-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	88	80-120
1,2-Dichloroethane-d4	87	80-123
Toluene-d8	91	80-120
Bromofluorobenzene	95	80-124

RPD= Relative Percent Difference

31.0

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Field ID:	B-14-5	Diln Fac:	200.0
MSS Lab ID:	183988-023	Batch#:	109219
Matrix:	Soil	Sampled:	12/21/05
Units:	ug/Kg	Received:	12/22/05
Basis:	as received	Analyzed:	01/04/06

Type: MS Lab ID: QC323134

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<10,840	25,000	20,290	81	45-141
MTBE	11,100	5,000	13,920	56 *	58-124
Isopropyl Ether (DIPE)	<420.7	5,000	3,941	79	57-126
Ethyl tert-Butyl Ether (ETBE)	<404.8	5,000	4,497	90	61-129
Methyl tert-Amyl Ether (TAME)	<366.2	5,000	4,288	86	63-120

Surrogate	%REC	Limits
Dibromofluoromethane	84	80-120
1,2-Dichloroethane-d4	83	80-123
Toluene-d8	88	80-120
Bromofluorobenzene	92	80-124
Trifluorotoluene (MeOH)	79	31-132

Type: MSD Lab ID: QC323135

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	25,000	21,860	87	45-141	7	33
MTBE	5,000	14,360	65	58-124	3	20
Isopropyl Ether (DIPE)	5,000	3,942	79	57-126	0	23
Ethyl tert-Butyl Ether (ETBE)	5,000	4,446	89	61-129	1	21
Methyl tert-Amyl Ether (TAME)	5,000	4,213	84	63-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	84	80-120
1,2-Dichloroethane-d4	83	80-123
Toluene-d8	89	80-120
Bromofluorobenzene	93	80-124
Trifluorotoluene (MeOH)	88	31-132

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9091
MSS Lab ID:	184122-008	Batch#:	109221
Matrix:	Soil	Sampled:	01/03/06
Units:	ug/Kg	Received:	01/04/06
Basis:	as received	Analyzed:	01/04/06

Type: MS Lab ID: QC323122

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<4.807	113.6	121.6	107	45-141
MTBE	<0.2822	22.73	20.71	91	58-124
Isopropyl Ether (DIPE)	<0.9868	22.73	22.65	100	57-126
Ethyl tert-Butyl Ether (ETBE)	<0.3531	22.73	25.18	111	61-129
Methyl tert-Amyl Ether (TAME)	<0.1159	22.73	19.66	86	63-120

Surrogate	%REC	Limits
Dibromofluoromethane	116	80-120
1,2-Dichloroethane-d4	114	80-123
Toluene-d8	103	80-120
Bromofluorobenzene	108	80-124

Type: MSD Lab ID: QC323123

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	113.6	136.6	120	45-141	12	33
MTBE	22.73	19.61	86	58-124	5	20
Isopropyl Ether (DIPE)	22.73	22.71	100	57-126	0	23
Ethyl tert-Butyl Ether (ETBE)	22.73	23.56	104	61-129	7	21
Methyl tert-Amyl Ether (TAME)	22.73	18.23	80	63-120	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	121 *	80-120
1,2-Dichloroethane-d4	120	80-123
Toluene-d8	103	80-120
Bromofluorobenzene	109	80-124

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

atch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	10,000
MSS Lab ID:	184099-003	Batch#:	109260
Matrix:	Soil	Sampled:	12/29/05
Units:	ug/Kg	Received:	12/30/05
Basis:	as received	Analyzed:	01/05/06

/pe: MS Lab ID: QC323292

Analyte	MSS Result	Spiked	Result	%REC	Limits
:ert-Butyl Alcohol (TBA)	<541,800	1,250,000	1,009,000	81	45-141
4TBE	<21,630	250,000	204,400	82	58-124
Isopropyl Ether (DIPE)	<21,040	250,000	207,900	83	57-126
Ethyl tert-Butyl Ether (ETBE)	<20,240	250,000	236,600	95	61-129
Methyl tert-Amyl Ether (TAME)	<18,310	250,000	227,100	91	63-120

Surrogate	%REC	Limits
Dibromofluoromethane	84	80-120
1,2-Dichloroethane-d4	83	80-123
Toluene-d8	90	80-120
Bromofluorobenzene	93	80-124
Trifluorotoluene (MeOH)	DO	31-132

/pe: MSD Lab ID: QC323293

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
:ert-Butyl Alcohol (TBA)	1,250,000	1,070,000	86	45-141	6	33
MTBE	250,000	214,600	86	58-124	5	20
Isopropyl Ether (DIPE)	250,000	220,200	88	57-126	6	23
Ethyl tert-Butyl Ether (ETBE)	250,000	249,400	100	61-129	5	21
Methyl tert-Amyl Ether (TAME)	250,000	237,500	95	63-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	85	80-120
1,2-Dichloroethane-d4	83	80-123
Toluene-d8	90	80-120
Bromofluorobenzene	95	80-124
Trifluorotoluene (MeOH)	DO	31-132

O= Diluted Out
D= Relative Percent Difference

37.0

187-100

Weiss Associates
Environmental Science, Engineering and Management Services
350 E. Middlefield Rd., Mountain View, CA 94043
Phone: (650) 968-7000 Fax: (650) 968-7034
AguaTierra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to: **L. Maile Smith** lms@weiss.com	LAB PERSONNEL: Please Include QA/QC Data. Specify analytic method and detection limit in report. *Notify us of any anomalous peaks in GC or other scans.* Notify us of any questions or problems. **Please provide EDD in CA EDF format.**
Project ID: 184-1761-01-5	
Protocol No.: 1761 122005	

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: RCS Laboratory Name: C&T Site Name: McGrath Steel

Sample ID	Sample Date	Sample Time	# of Con-tainers	Sample/ Container Type[1]	Volume	Preser-vative?	Filter? 2	Refrig? 3	Turn 4	Analyze for	Analytical Method	Special Instructions
B-8-W	12/20/05	1508	1	W/A	1 L	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
B-8-W		1508	4	W/V	40 ml	HCl	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
B-8-5		1445	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
~~B-8-~~		↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
B-8-10		1500	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
~~B-8-~~		↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
~~B-8-~~	NA	NA	1	S/T	2x6	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable Silica gel cleanup. chromatograms of sample and standards.
~~B-8-~~	NA	NA	1	S/T	2x6	None	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
B-9-W		1655	1	W/A	1L	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards
B-9-W	↓	1655	4	W/V	40 ml	HCL	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable Include TAME, ETBE, DIPE, TBA, EDB, and EDC.

1 RSalin 12/21/05@1600 ☑ 3 ☐ 5 ☐

Released by (Signature), Date, Time

1 (Affiliation) Weiss — Released by (Signature), Date, Time: 3 (Affiliation) — Released by (Signature), Date, Time: 5 (Affiliation)

2 [signature] ☐ 4 ☐ 6 ☐

Received by (Signature), Date, Time

2 (Affiliation) C&T's Delphina 12/22/05 900 — Received by (Signature), Date, Time: 4 (Affiliation) — Received by (Signature), Date, Time: 6 (Affiliation)

1 = Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other;

Cap Codes: PT = Plastic, Teflon Lined 2 = Filtered (Y/N) 3 = Refrigerated (Y/N) 4 = Turnaround N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)

☒ = *Samples stored in a secured, locked area.*

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS: Intact/cold

JAW 12-22-05

1 of 6

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187788

Weiss Associates
Environmental Science, Engineering and Management Services
350 E. Middlefield Rd., Mountain View, CA 94043
Phone: (650) 968-7000 Fax: (650) 968-7034
AguaTierra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to:	LAB PERSONNEL:
L. Maile Smith	Please Include QA/QC Data.
lms@weiss.com	Specify analytic method and detection limit in report.
Project ID: 184-1761-01-5	Notify us of any anomalous peaks in GC or other scans.
Protocol No.: 1761_122005	Notify us of any questions or problems.
	Please provide EDD in CA EDF format.

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: RCS Laboratory Name: C&T Site Name: McGrath Steel

	Sample ID	Sample Date	Sample Time	# of Con-tainers	Sample/ Container Type'	Volume	Preser-vative?	Filter? 2	Refrig? 3	Turn 4	Analyze for	Analytical Method	Special Instructions
5	B-9-6	12/20/05	1620	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable Silica gel cleanup. chromatograms of sample and standards.
	~~B-9-__~~	↓	↓	~~+~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
6	B-9-11		1640	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable Silica gel cleanup. chromatograms of sample and standards.
	~~B-9-__~~	↓	↓	~~+~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
1A	B-9-__	NA	NA	1	S/T	2x6	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards
	B-9-__	NA	NA	1	S/T	2x6	None	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
7	B-10-W	12/20/05	1540	1	W/A	1L	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup chromatograms of sample and standards.
	B-10-W		1540	6	W/V	40 ml	HCL	N	Y	N	TPH-G & TPH-MS, BTEX+Gas Ox	8015M 8260B	8015M Purgeable. Incl MTBE, TAME, ETBE,DIPE,TBA,EDB,EDC, and chromatogram.
8	B-10-5		1300	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel & TPH MS	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	~~B-10-__~~	↓	↓	~~+~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.

1 RSubia	12/21/05 @ 1600	☑	3	☐	5 ☐
Released by (Signature), Date, Time			Released by (Signature), Date, Time		Released by (Signature), Date, Time
1 (Affiliation) WEISS			3 (Affiliation)		5 (Affiliation)
2		☐	4	☐	6 ☐
Received by (Signature), Date, Time			Received by (Signature), Date, Time		Received by (Signature), Date, Time
2 (Affiliation) C&T	12/22/05 900		4 (Affiliation)		6 (Affiliation)

1 = Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes. V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other:

Cap Codes: PT = Plastic, Teflon Lined 2 = Filtered (Y/N) 3 = Refrigerated (Y/N) 4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)

☒ = *Samples stored in a secured, locked area.*

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS: Intact/cold

JQW 12-22-05

2 of 6

J:\McGrath\1761_2005\protocols\1761_122005\COC (2)

18700

Weiss Associates

Environmental Science, Engineering and Management Services

350 E. Middlefield Rd., Mountain View, CA 94043
Phone: (650) 968-7000 Fax: (650) 968-7034
AguaTierra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to: **L. Maile Smith** lms@weiss.com	LAB PERSONNEL: Please include QA/QC Data. Specify analytic method and detection limit in report. Notify us of any anomalous peaks in GC or other scans. Notify us of any questions or problems. **Please provide EDD in CA EDF format.**
Project ID: 184-1761-01-5	
Protocol No.: 1761 122005	

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: RCS Laboratory Name: C&T Site Name: McGrath Steel

	Sample ID	Sample Date	Sample Time	# of Con-tainers	Sample/ Container Type[1]	Volume	Preser-vative?	Filter? 2	Refrig? 3	Turn 4	Analyze for	Analytical Method	Special Instructions
9	B-10-10'	12/20/05	1315	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel & TPH-MS	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	~~B-10-~~	↓	↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
10	B-10-15'	↓	1330	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel & TPH-MS	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	~~B-10-~~	↓	↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
11	B-11-W	12/21/05	1004	1	W/A	1L	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards
	B-11-W	↓	1004	4	W/V	40 ml	HCL	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
12	B-11-5'	↓	915	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	~~B-11-~~	↓	↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
13	B-11-10'	↓	930	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	~~B-11-~~	↓	↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.

1 RSalin	12/21/05 @1600	☑	3	☐	5 ☐
Released by (Signature), Date, Time			Released by (Signature), Date, Time		Released by (Signature), Date, Time
1 (Affiliation) 12/21/05 WEISS			3 (Affiliation)		5 (Affiliation)
2		☐	4	☐	6 ☐
Received by (Signature), Date, Time			Received by (Signature), Date, Time		Received by (Signature), Date, Time
2 (Affiliation) CAT 12/22/05	900		4 (Affiliation)		6 (Affiliation)

1 = Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other;

Cap Codes: PT = Plastic, Teflon Lined 2 = Filtered (Y/N) 3 = Refrigerated (Y/N) 4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)

☒ = *Samples stored in a secured, locked area.*

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS: Intact/cold

MW 12-22-05

3 of 6

187180

Weiss Associates

Environmental Science, Engineering and Management Services

350 E. Middlefield Rd., Mountain View, CA 94043
Phone: (650) 968-7000 Fax: (650) 968-7034
AguaTierra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to:	LAB PERSONNEL:
L. Maile Smith	Please Include QA/QC Data.
lms@weiss.com	Specify analytic method and detection limit in report.
Project ID: 184-1761-01-5	Notify us of any anomalous peaks in GC or other scans.
Protocol No.: 1761 122005	Notify us of any questions or problems.
	Please provide EDD in CA EDF format.

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: RCS Laboratory Name: C&T Site Name: McGrath Steel

Sample ID	Sample Date	Sample Time	# of Con-tainers	Sample/ Container Type[1]	Volume	Preser-vative?	Filter? 2	Refrig? 3	Turn 4	Analyze for	Analytical Method	Special Instructions
4 B-11-14	12/21/05	945	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable Silica gel cleanup. chromatograms of sample and standards.
~~B-11-~~	↓	↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
5 B-12-W	12/20/05	1145	1	W/A	1L	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
B-12-W		1145	6	W/V	40 ml	HCL	N	Y	N	TPH-G & TPH-MS, BTEX+Gas Ox	8015M 8260B	8015M Purgeable. Incl MTBE, TAME, ETBE,DIPE,TBA,EDB,EDC, and chromatogram.
6 B-12-5		1050	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel &TPH-MS	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
~~B-12-~~		↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
7 B-12-11		1100	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel &TPH-MS	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
~~B-12-~~	↓	↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
1A B-12-__	NA	NA	1	S/T	2x6	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
B-12-__	NA	NA	1	S/T	2x6	None	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.

1 RSmith 12/21/05 @1600	☑	3	☐	5	☐
Released by (Signature), Date, Time		Released by (Signature), Date, Time		Released by (Signature), Date, Time	
1 (Affiliation) WA's		3 (Affiliation)		5 (Affiliation)	
2 Ann Chen	☐	4	☐	6	☐
Received by (Signature), Date, Time		Received by (Signature), Date, Time		Received by (Signature), Date, Time	
2 (Affiliation) C&T 12/22/05 900		4 (Affiliation)		6 (Affiliation)	

1 = Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other;

Cap Codes: PT = Plastic, Teflon Lined 2 = Filtered (Y/N) 3 = Refrigerated (Y/N) 4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)

☒ = *Samples stored in a secured, locked area.*

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS: Intact/cold
JGW 12-22-05

J:\McGrath\1761_2005\protocols\1761_122005\COC (4)

10,100

Weiss Associates

Environmental Science, Engineering and Management Services

350 E. Middlefield Rd., Mountain View, CA 94043
Phone: (650) 968-7000 Fax: (650) 968-7034
AguaTierra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to:	LAB PERSONNEL:
L. Maile Smith	Please Include QA/QC Data.
lms@weiss.com	Specify analytic method and detection limit in report.
Project ID: 184-1761-01-5	Notify us of any anomalous peaks in GC or other scans.
Protocol No.: 1761 122005	Notify us of any questions or problems.
	Please provide EDD in CA EDF format.

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: RCS Laboratory Name: C&T Site Name: McGrath Steel

	Sample ID	Sample Date	Sample Time	# of Con-tainers	Sample/ Container Type'	Volume	Preser-vative?	Filter? 2	Refrig? 3	Turn 4	Analyze for	Analytical Method	Special Instructions
18	B-13-W	12/21/05	905	1	W/A	1L	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable Silica gel cleanup. chromatograms of sample and standards.
	B-13-W		905	4	W/V	40 ml	HCL	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
19	B-13-6		900	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	~~B-13-~~		↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
20	B-13-10		915	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	~~B-13-~~		↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
21	B-13-15		930	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup chromatograms of sample and standards.
	~~B-13-~~		↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC
22	B-14-W		1245	1	W/A	1 L	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	B-14-W	↓	1245	4	W/V	40 ml	HCl	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.

1 RScott 12/21/05 @1600	☑	3	☐ 5 ☐
Released by (Signature), Date, Time		Released by (Signature), Date, Time	Released by (Signature), Date, Time
1 (Affiliation) Weiss		3 (Affiliation)	5 (Affiliation)
2	☐	4	☐ 6 ☐
Received by (Signature), Date, Time		Received by (Signature), Date, Time	Received by (Signature), Date, Time
2 (Affiliation) CET 12/22/05 902		4 (Affiliation)	6 (Affiliation)

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Cap Codes: PT = Plastic, Teflon Lined 2 = Filtered (Y/N) 3 = Refrigerated (Y/N) 4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)

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ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

Intact/cold
JAW 12-22-05

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J:\McGrath\1761_2005\protocols\1761_122005\COC (5)

T0910

Weiss Associates

Environmental Science, Engineering and Management Services

350 E. Middlefield Rd., Mountain View, CA 94043
Phone: (650) 968-7000 Fax: (650) 968-7034
AguaTierra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to: **L. Maile Smith** lms@weiss.com	LAB PERSONNEL:
	Please include QA/QC Data.
	Specify analytic method and detection limit in report.
	Notify us of any anomalous peaks in GC or other scans.
Project ID: 184-1761-01-5	*Notify us of any questions or problems*
Protocol No.: 1761_122005	**Please provide EDD in CA EDF format.**

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: RCS Laboratory Name: C&T Site Name: McGrath Steel

	Sample ID	Sample Date	Sample Time	# of Con-tainers	Sample/ Container Type[1]	Volume	Preser-vative?	Filter? 2	Refrig? 3	Turn 4	Analyze for	Analytical Method	Special Instructions
23	B-14-5	12/21/05	1040	1	S/T	2x6	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	~~B-14-~~	↓	↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
24	B-14-10		1100	1	S/T	2x6	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable Silica gel cleanup. chromatograms of sample and standards.
	~~B-14-~~		↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
25	B-14-16		1120	1	S/T	2x6	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
	~~B-14-~~	↓	↓	~~1~~	~~S/T~~	~~2x6~~	~~None~~	~~N~~	~~Y~~	~~N~~	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
26	MW-3	12/20/05	805	1	W/A	1 L	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup chromatograms of sample and standards.
26	MW-3	12/20/05	805	4	W/V	40 ml	HCl	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
27	Travel Blank	12/20/05	700	1	W/V	40 ml	HCl	N	Y	Hold	BTEX + MTBE + Gas Ox	8260B	Include TAME, ETBE, DIPE, TBA, EDB, and EDC Hold
28	Travel Blank	12/21/05	715	1	W/V	40 ml	HCl	N	Y	Hold	BTEX + MTBE + Gas Ox	8260B	Incl. TAME, ETBE, DIPE, TBA, EDB, and EDC. Hold.

1 RCS 12/21/05 @ 1600	☑	3	☐ 5 ☐
Released by (Signature), Date, Time		Released by (Signature), Date, Time	Released by (Signature), Date, Time
1 (Affiliation) WSE		3 (Affiliation)	5 (Affiliation)
2	☐	4	☐ 6 ☐
Received by (Signature), Date, Time		Received by (Signature), Date, Time	Received by (Signature), Date, Time
2 (Affiliation) CTT 12/22/05 900		4 (Affiliation)	6 (Affiliation)

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ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS: Intact/cold

JMW 12.22-05

J:\McGrath\1761_2005\protocols\1761_122005\COC (6)