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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 **RECEIVED** By lopprojectop at 10:19 am, Mar 22, 2006

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.

Sincerelv.

Jon Braden President

Enclosures:

Report

CC:

L. Maile Smith, Weiss Associates



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

RECEIVED By lopprojectop at 10:19 am, Mar 22, 2006

> **RE:** Site Characterization Report **McGrath Steel Company** 6655 Hollis Street

Emeryville, California Fuel Leak Case RO000063 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, 2004¹. 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 warehouse². 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

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.

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 vicinity³, 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 USTs⁴. 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.

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.

Mr. Jon Braden March 2, 2006

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 twoinch 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 tightfitting 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 Level⁵ (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 concerns⁵. 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.

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 properties⁷. 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.

Weiss Associates

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.

Mr. Jon Braden March 2, 2006 Weiss Associates

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 high⁸ (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

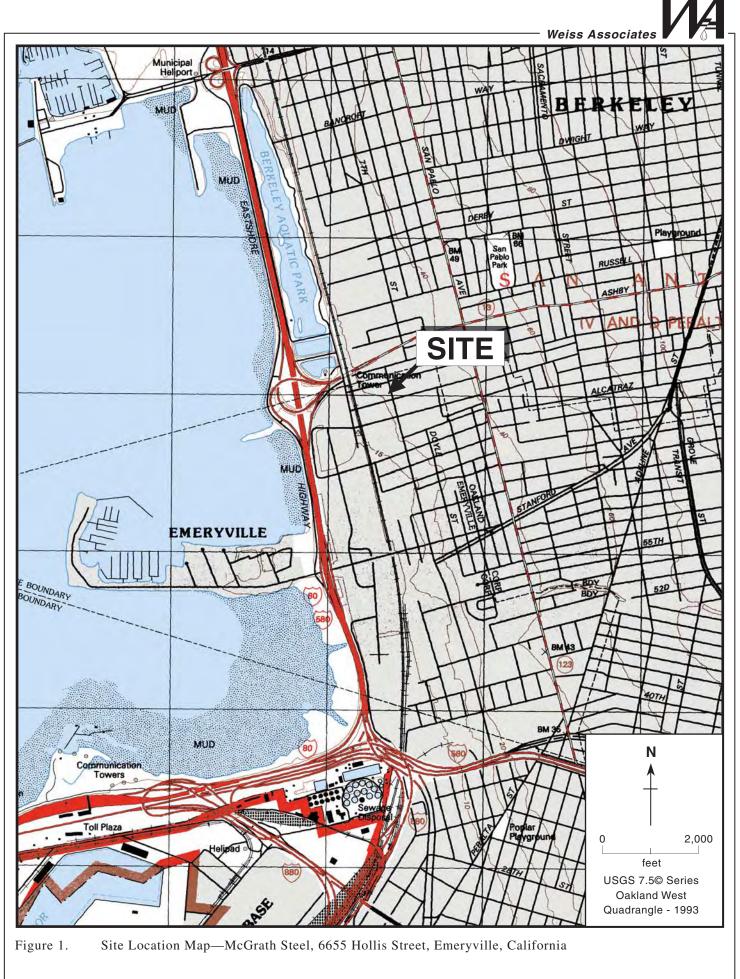
cc: Mr. Jon Braden, McGrath Steel Company

lms:LMS

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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



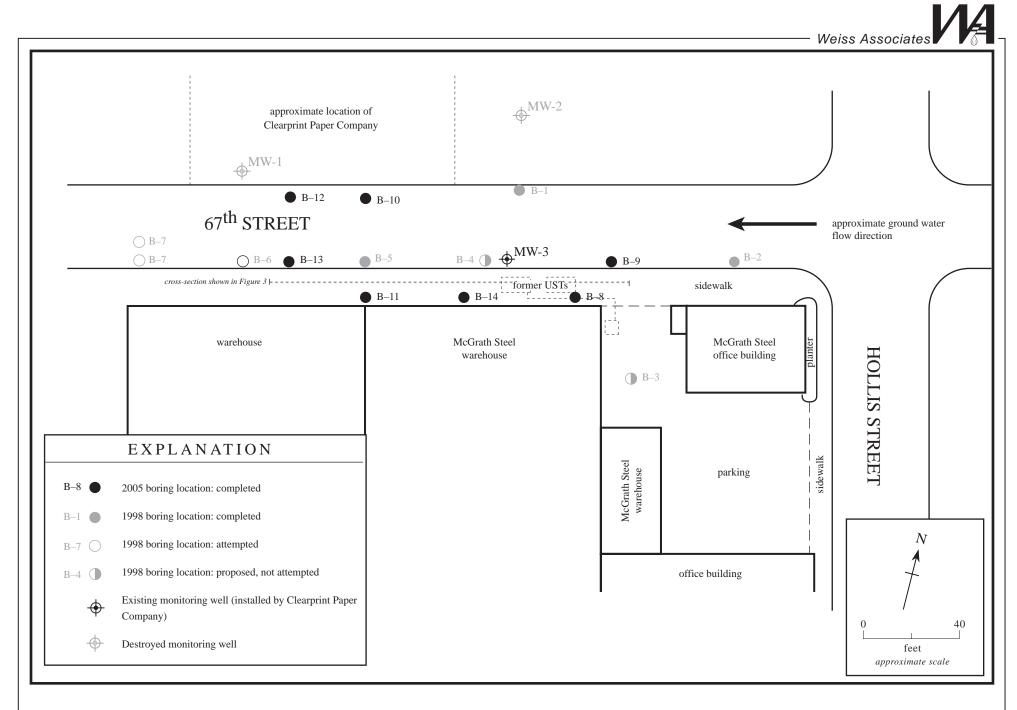


Figure 2. Site Plan and Boring Locations, McGrath Steel, 6655 Hollis Street, Emeryville, California

Weiss Associates East West B-8B-9 B-11 ft bgs B-13 B-14 ft bgs 0 0 TPH-G = ND TPH-G = 72 TPH-G = 4.6TPH-D = 4.9 YTPH-D = 19 L.Y TPH-D = 91 TPH-G = ND B = NDB = 0.62 TPH-D = 3.7 Y B = 0.10T = NDT = 3.6T = 0.014B = NDClay E = NDE = 1.4T = NDE = 0.13Clay X = NDTPH-G =2.3 X = 9.6 X = 0.68 E = NDMTBE = ND MTBE = 11X = NDTPH-D = 16 H,Y MTBE = 0.33 MTBE = ND B = 0.013T = 0.00955 5 E = 0.076Clay with sand & gravel TPH-G = 16X = 0.35 TPH-D = 340 MTBE = ND B = 0.88T = 1.8Gravel E = 0.34with clay X = 1.75 TPH-G = 61MTBE = 0.57 Sandy Silt with gravel TPH-D = 27 H,L,YTPH-G = 15 B = 0.59TPH-D = 4.3 L,Y T = 3.3 B = 0.75 Clay with sand 10 10 Clay E = 1.2T = 1.9 TPH-G = ND X = 7.4& gravel E = 0.42TPH-D = 13 L,Y MTBE = 1.9 X = 2.42B = 0.016MTBE = 0.082 Sandy Silt Sandy Silt T = 0.057with gravel E = 0.018TPH-G = 27 X = 0.095 TPH-G = ND TPH-G = 8.3 TPH-D = 3.8 H.Y TPH-D = 7.4 H,Y MTBE = ND TPH-D = 1.7 Y B = 0.75 B = NDB = 0.26T = 1.4 T = NDT = 0.26Clay E = 0.3715 15 -E = NDE = 0.25with sand X = 1.79 TPH-G = 500X = NDX = 0.91MTBE = 1.5 b TPH-D = 18 L, YMTBE = 0.0069MTBE = 0.0096B = 1.7T = 19 E = 12TPH-G = total petroleum hydrocarbons as gasoline X = 73 TPH-D = total petroleum hydrocarbons as diesel MTBE = ND 40 B = benzene 0 T = toluene Clay with sand E = ethylbenzene 20 20 X = xylenes (total) MTBE = methyl tertiary butyl ether feet approximate scale b = results estimated or target tentatively identified Vertical Exaggeration x 5 L = lighter hydrocarbons contributed to the quantitation Y = sample exhibits chromatographic pattern which does not resemble standard

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

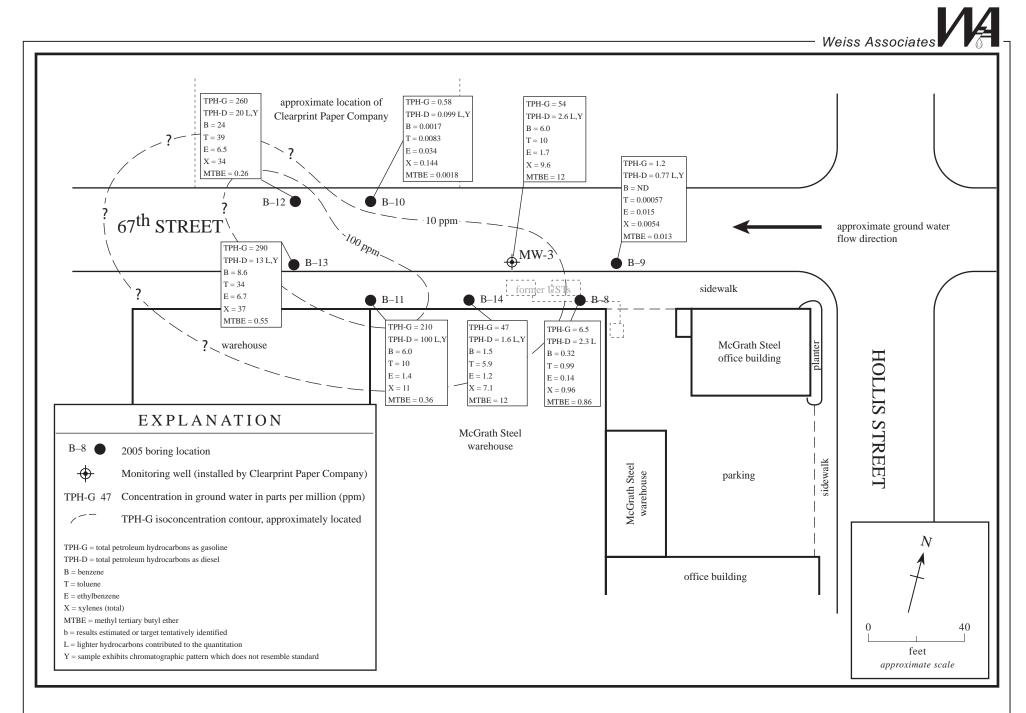


Figure 4. Summary of Grab Ground Water Sample Results, McGrath Steel, 6655 Hollis Street, Emeryville, California

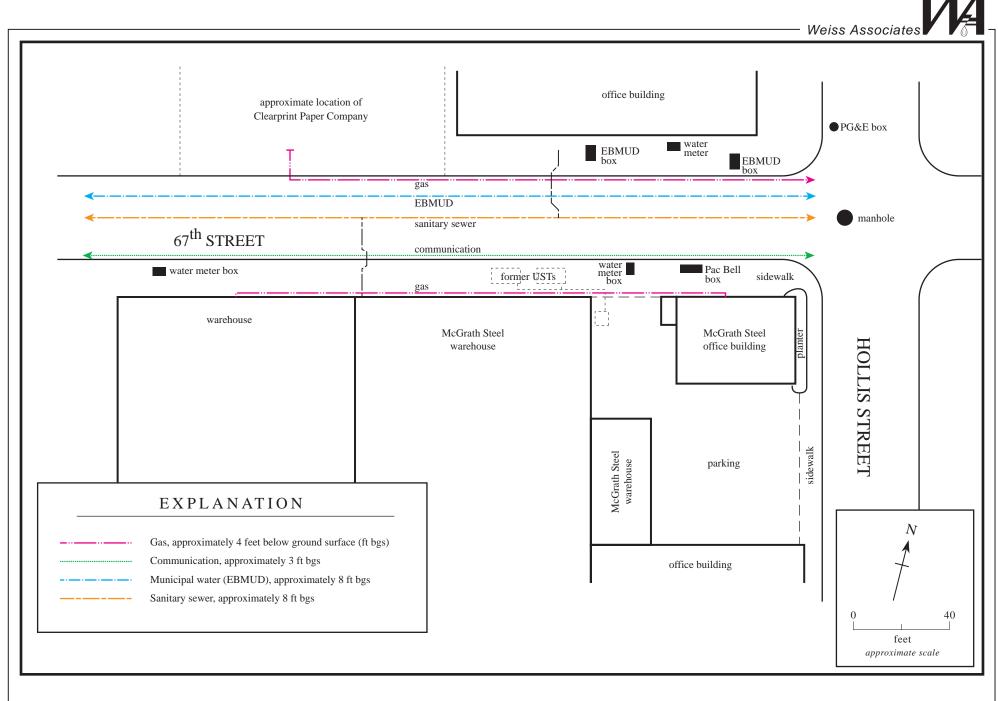


Figure 5. Subsurface Utility Locations, McGrath Steel, 6655 Hollis Street, Emeryville, California

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

	Sample	TDU C	TPH-		D	T 1	Ethyl-	m,p-				DIDE			EDG	EDD
Sample ID	Date	TPH-G	MS	TPH-D	Benzene	Toluene	benzene	Xylene	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME	EDC	EDB
Soil:																
Analytic Method Units:	1:	8015B	8015B	8015B	8021B	8021B	8021B	8021B	8021B mg/kg (ppm) -	8260B	8260B	8260B	8260B	8260B	8260B	8260B
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 Wate	er:			-					· · · · · ·							
Analytic Method Units:	:	8015B	8015B	8015B	8021B	8021B	8021B	8021B	8021B mg/L (ppm) -	8260B	8260B	8260B	8260B	8260B	8260B	8260B
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

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

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

	Department of Public Works ment Permit
A 1997 TO 4 3 107	Permit No.P. JOEDOD Date 12-16-05 Permit Admin. Fee 1250
APPLICANT WELSS ASSOCIATES	Pennit Inspection Deposit (2 hr. min.) ±150
CONTACT PERSON DAVID WARD	Cost Recovery E stimate
ADDRESS 350 E. MIDDLEFIELD P-D., 94608 PHONE 650-968-7600	Required Securi y Deposit:
FAX 650-968-7034	0/\$1,000 cash
	□ \$10,000 Bond, Bond #
OWNER/DEVELOPER OF FACILITIES	Bond ValueBond #
MCGRATH STEEL	Total Payment Fequired E1. 300
ADDRESS 6695 HOLLIS STREET, 94608	Received: M Date 12/20/055
PHONE NA	Receipt # 51051
FAX NA	Failure to obtain approval of a Final Inspection of the work covered by this Encroachment Parmit within one
	(1) year of the est mated completion date shall result in
CONTRACTOR DOING WORK WEISS	the loss of the sec mity deposit which shall be retained
ASSOCIATES, EUPPOB	by the City of Emeryville.
CONTACT PERSON WALLE SWITH ADDRESS 350 E. MIDDLEFIELD R.D.	
LICENSE NO. 177607 CLASS C-57	PHONE_650-968-7000FAX_650-968-7034
TYES INO CURRENT CITY BUSINESS LICENSE	ON FILE
Pres No PROVIDE PROOF OF INSURANCE	
EST. START DATE 12/15 EST. COMPLETION D	ATE 12 20 BST. COST IN CITY R/W
CONTION OF WORK I I CE Has a st CEASE	
LOCATION OF WORK <u>6655 Hollis Street</u> CHECK ALL THAT APPLY	L, EMERYVIVE, LA
B Traffic Control Survey B Sidewalk Detour BDumpster BTen	normery No Farking
Private Facilities on Public Right of Way D Construction D Sk	dewalk 🗆 Driveway Approach 🔤 Curb & Gutter 🔤 Pedestrian
Ramp @Water Service @Gas Service pElectric Service @Roof	Drain OUtility Maintenance Differee D Excavation
Obstruction DAccess Road DMonitoring Well D Sewer Lateral FULLY DESCRIBE PROPOSED WORK WITHIN CIT	VRIGHT.OF.WAY (additional space on reverse if
needed): Attach 3 complete sets of plans 8 1/2 X 11, if ap	plicable,
SUBCONTRACT & CALIFORNIA-LICENSED D	LILLER TO DRILL SEVEN BORINGS TO
GOMOWATER AND COLECT SOL SUMPLE	S A 4- TO 5-FOOT INTERVALS UP TO
And including THE SOIL INATER INTER	
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	- DISPOSAL WORK SCHEDULED FOR-
WATER ON SITE PERDING PROFILING MA	
12/15/05	

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. 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

т.

FOR CITY USE ONLY	•Temporary Permit	tdays	Long Term Permit
The following documents are Standard Provisions to Enc City Standard Details (List	roachment Permit 🛛 Specia	nto this permit and ha d Conditions of Appr put, Urban Runoff BM	
DOther	// •		
Remarks		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
□ 48 HOUR NOTICE PRIOR □ PROVIDE CONSTRUCTION □ A8-BUILT PLANS REQUING 2 PLEASE CALL FOR INSP □ PLEASE NOTIFY POLICE This permit is void unless the This permit is to be strictly co APPROVED	ON SCHEDULE 5 DAYS P IRED ECTION AT 510-596-4333 5 (510-596-3700) AND FIRE work is completed before nstrued and no other work th 	$\frac{5(510-596-3750)}{24}$	HOURS IN ADVANCE

Alameda County Public Works Agency - Water Resources Well Permit

Para de la constante de la con	399 Elmhurs Hayward, CA 9 Telephone: (510)670-6633	4544-1395	•
Application Approved Permits Issued:	on: 12/14/2005 By jamesy W2005-1189	Receipt Number: WR Permits Valid from 12	2005-2248 2/15/2005 to 12/20/2005
Application Id: Site Location:	1134168379666 6655 Hollis St (cross St 67th St.)	City of Project Site	e:Emeryville
Project Start Date:	Emeryville, CA 94043 12/15/2005	Completion Date	e:12/20/2005
Applicant:	Weiss Associates - David Ward		: 650-968-7000
Property Owner:	350 E. Middlefield Rd., Mountain View, Mcgrath Steel 6655 Hollis St, Emeryville, CA 94043 ** same as Property Owner **	Phone Phone	9:
Client:	same as Property Owner	Total Due: Total Amount Paid: Paid By: VISA	\$200.00 \$200.00 PAID IN FU LL

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.

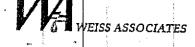
Alameda County Public Works Agency - Water Resources Well Permit

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.

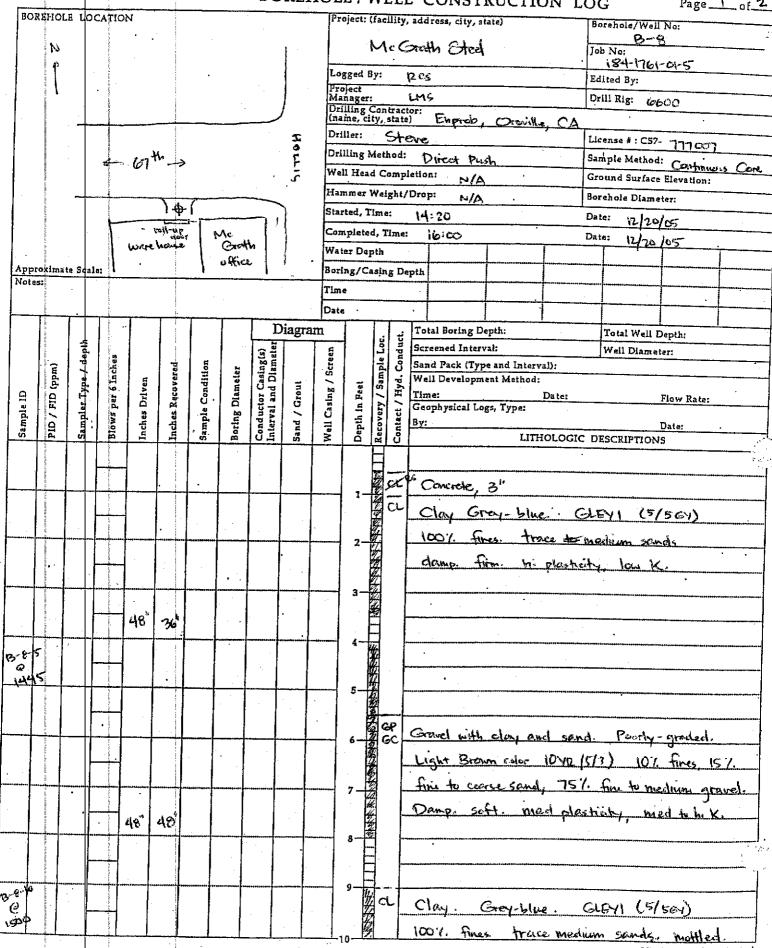
8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

ATTACHMENT B



BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 2

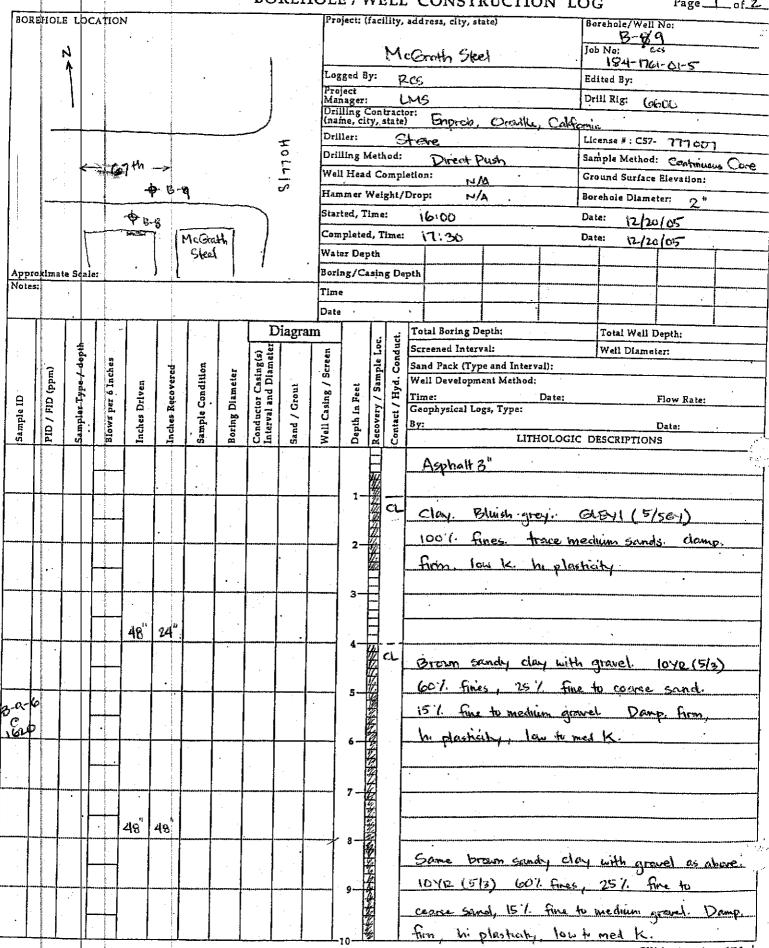


Sample ID	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter		Sand / Grout		L Deuth (t)		Contact	CONSTRUCTION LOG (cont.) Page Project / Job No.: 15241- 1761-01-5 Notes: Make Relation Official State
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BOREHOLE / WELL CONSTRUCTION LOG

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BOREHOLE / WELL CONSTRUCTION LOG

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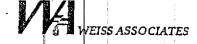
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BOREHOLE / WELL CONSTRUCTION TO

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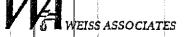
60% fines 25%. Fine to coarse gravel, 15% , sound

firm, wet, low plasticity, high K

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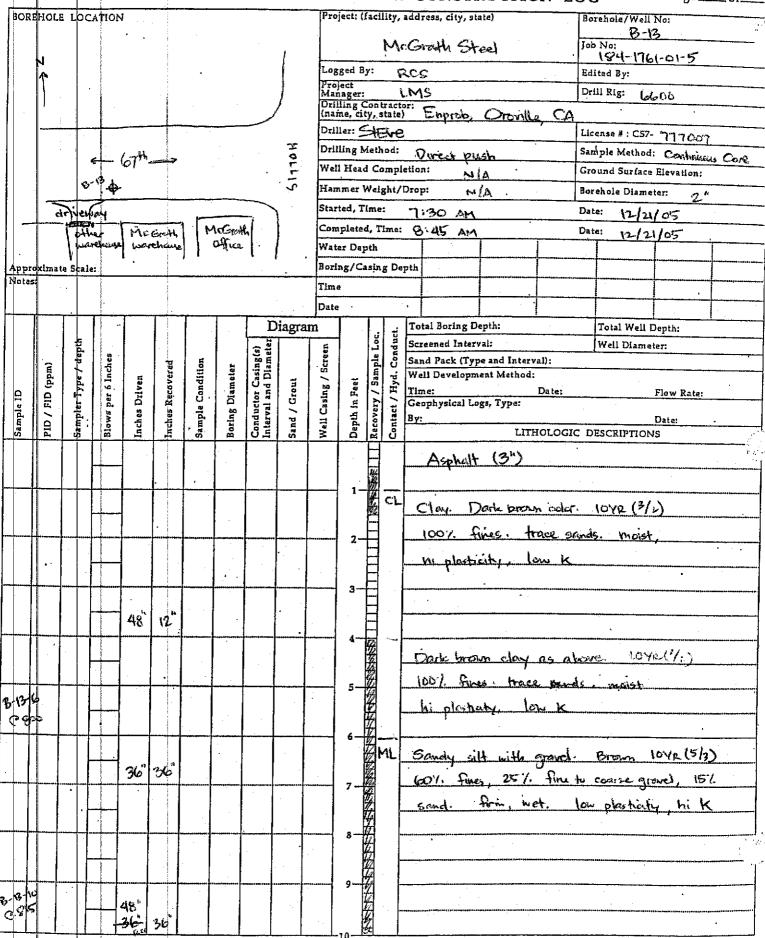
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BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 2



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Sample ID	di4/di4	i plei	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	23	Well Casing	Depth (ft)	Recovery	Contact	Project / Job No.: Borehale/Well No.: 1824-1361-01-5 B-13 Notes: B-13
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Boring No. MW-3 PROJECT BORING LOG Approved by: ALEARPRINT. Environmental Strategies Corporation Sheet 1 of Z 1492 107TH ST 101 Metro Drive, Suite 650 Date Drilled 10/11/95 Eurospuille CH San Jose, CA 95110 MAGRA Method to How Stem Anger Drilling Co. WEST HAZWAT Boring Location SECTANES Driller LEE FOX 2 Ground Elevation Hole Diameter 3-75" ESC Geologist JBENSON Inside Diameter **TOC Elevation** Total Deoth Well Casing/Screen/Filter Pack Type/Diameter Sched 40 (2" Sampler Outer Casing Method <u>35 Split spoon</u> Туре 18 Screen Length Length (ft) . Diameter . Hammer (Ibs)/Fall (Ins) 14016 Screen Slot Size 0.01_Filter Pack 2/12 71 Total Depth 29.4 Length Well Construction **Braphic Log** Core Sample Number Sample Depth Water Level Time & Date Sample Time PID (ppm) € Blows/Ft. Description Depth NA N/A 1 -18 2 ゆ 3 Mod ye brown 10412 5/4 3 CL 13.8 clay some 10 ve 2/2 7.9.9 Selta 28 Mottled 13 Z0.1 11.2 5 54 5/2 mottled Le dive gran 28.9 10 6 3/4 Sulty 1515 32.6 w/mod bral 5 **F**R 15 Ala 18.9 23 7 16.7 8 78.0 14 1525 Some grayish gree 17 1128.8 9 Z8 149.6 SM Petro Solowit 2311 10 Mod yel brn 1082 514 Some Gray green 53 5/2 no filed selfy 11 15301()721 20 585.6 z8 32 72.9 12 13 Mod yellorn 108R 574 Sil Z9:4 13 clay Sano w/ some course 7.6 13 14 ZI 4.3 4.0 15 hod yellow brn 1042 5/4 1/ery 23 4.4 16 Course Clay w/ some orare 27 83 38 0.7 17

PROJECT BORING LOG Approved by: Boring No. Environmental Strategies Corporation Sheet σť 101 Metro Drive, Suite 650 San Jose, CA 95110 Date Drilled Well Construction Core Sample Number Sample Depth Water Level Time & Date Sample Time Graphic Log (udd) Clid Depth (ft) Blows/Ft. Description 18 22 aberl 1600 Jame_ 05 Ó Z6 2.0 19 30 С Ø 20 16 21 19 26 22 23 Some as above w Sitty clay some 12 0 MOT C ħ 17 i.S 24 30 1638 6 0 25 ± 57 No recovery Fine setty sand Muck ing augus some grayish black org 26 VLu, 5M? en a 27 28 29 29. End of boin 30 31 32 33 34 35 36 37 38

ATTACHMENT C



ANALYTICAL REPORT

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: aer JG Reviewed by: **Operations** Manager



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NELAP # 01107CA

Page 1 of _____



CASE NARRATIVE

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

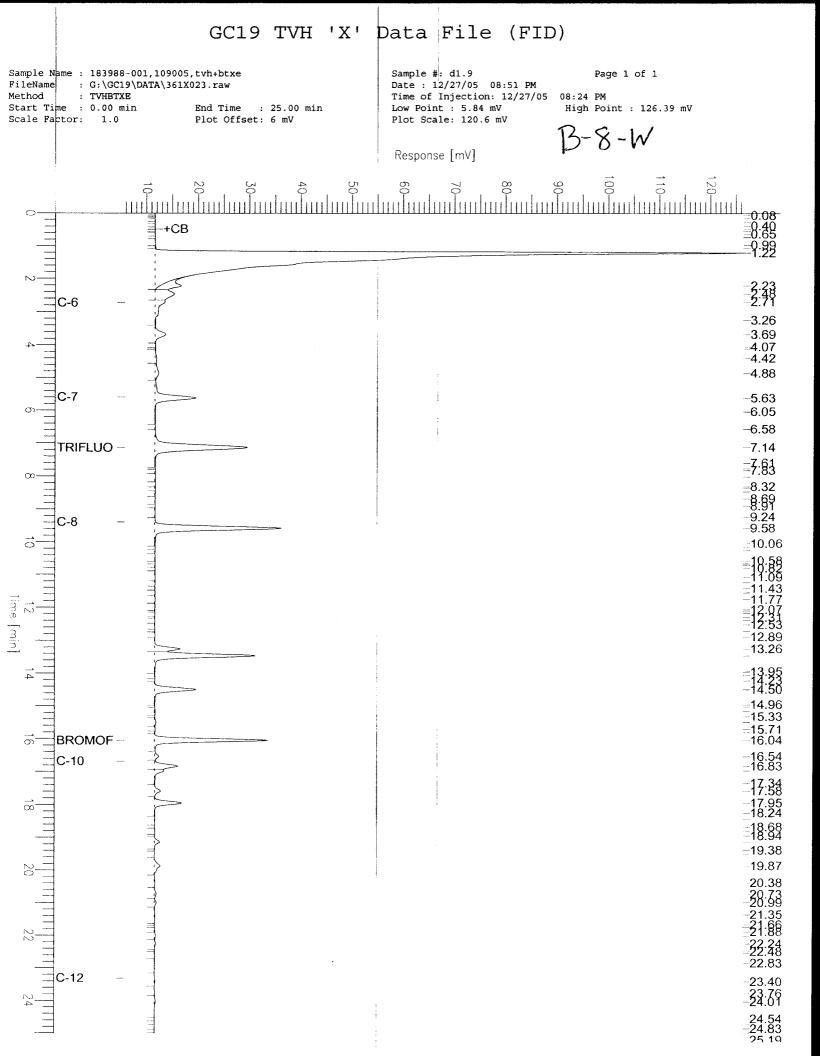
Low recovery was observed for MTBE in the MS of B-14-5 (lab # 183988-023); the LCS was within limits, and the associated RPD was within limits. Response exceeding the instrument's linear range was observed for MTBE in B-14-16 (lab # 183988-025); affected data was qualified with "b". The sample was logged 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.

#

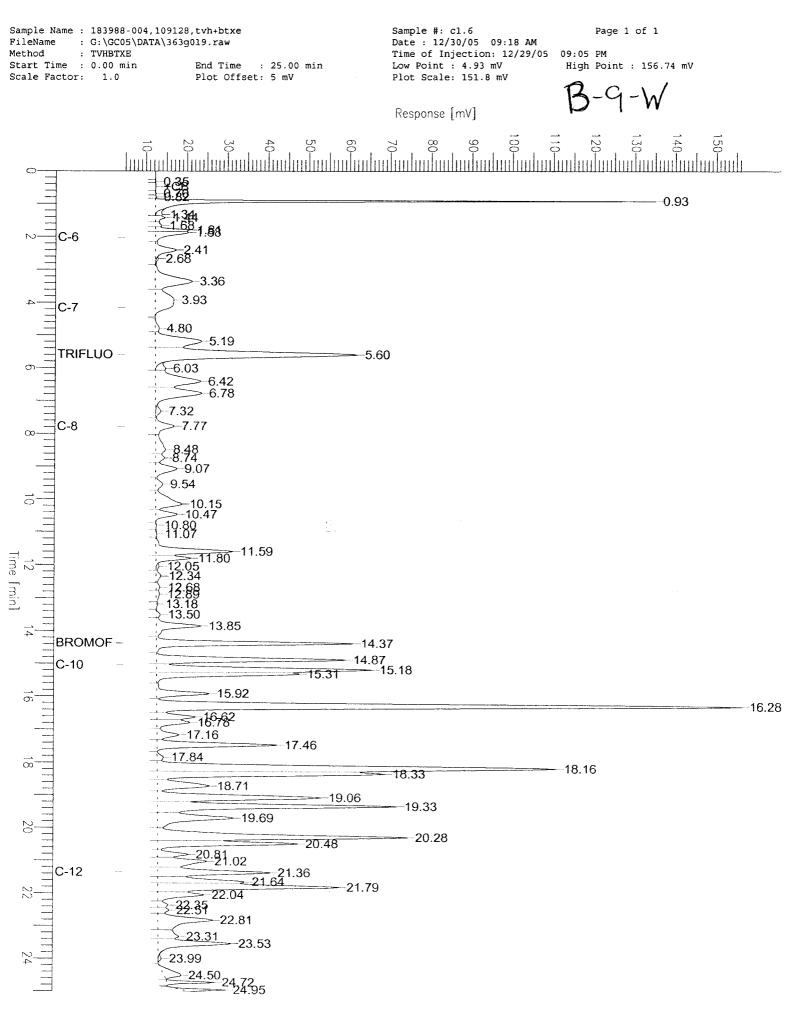


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Lab #: Client: Project#:	183988 Weiss Associ 184-1761-01-1			Location: Prep:		McGrath St EPA 5030B	eel	
Matrix: Units:	Water ug/L			Received:		12/22/05		
Field ID: Type: Lab ID: Diln Fac:	B-8-W SAMPLE 183988-001 25.00			Batch#: Sampled: Analyzed:		109005 12/20/05 12/27/05		
Ana Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene			Result 6,500 320 990 140 690 270		RL 1,300 13 13 13 13 13 13	EPA EPA EPA EPA	Analys 8015B 8021B 8021B 8021B 8021B 8021B	315
Surro Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) zene (FID) ne (PID)	% REC 99 116 84 105	Limits 62-141 78-134 67-127 80-122	Analy EPA 8015B EPA 8015B EPA 8021B EPA 8021B	sis			
Field ID: Type: Lab ID: Diln Fac:	B-9-W SAMPLE 183988-004 1.000			Batch#: Sampled: Analyzed:		109128 12/20/05 12/29/05		
Ana Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		N	Result 1,200 D 0.57 15 5.4 D		RL 50 0.9 0.9 0.9 0.9	50 EPA 50 EPA 50 EPA 50 EPA	Analys 8015B 8021B 8021B 8021B 8021B 8021B 8021B	;1s
Surro Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) zene (FID) ne (PID)	%REC 116 111 105 104	Limits 62-141 78-134 67-127 80-122	Analy EPA 8015B EPA 8015B EPA 8021B EPA 8021B	sis			

*= Value outside of QC limits; see narrative C= Presence confirmed, but RPD between columns exceeds 40% ND= Not Detected RL= Reporting Limit Page 1 of 5



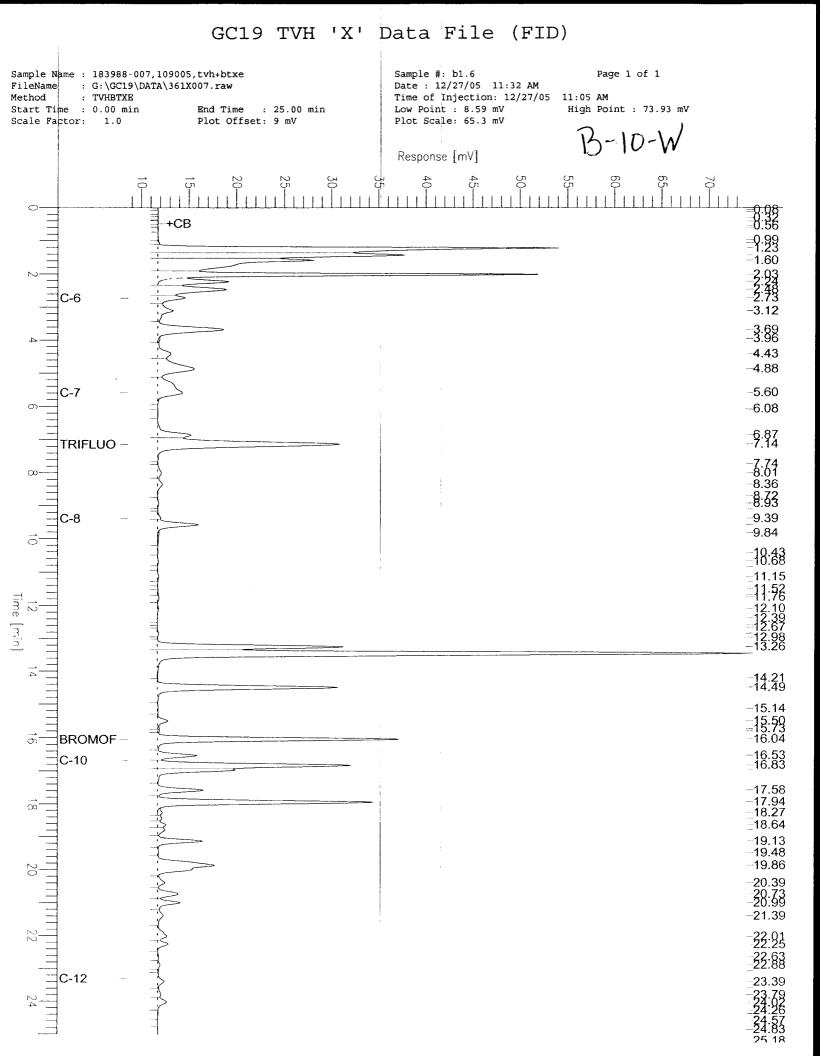
Chromatogram

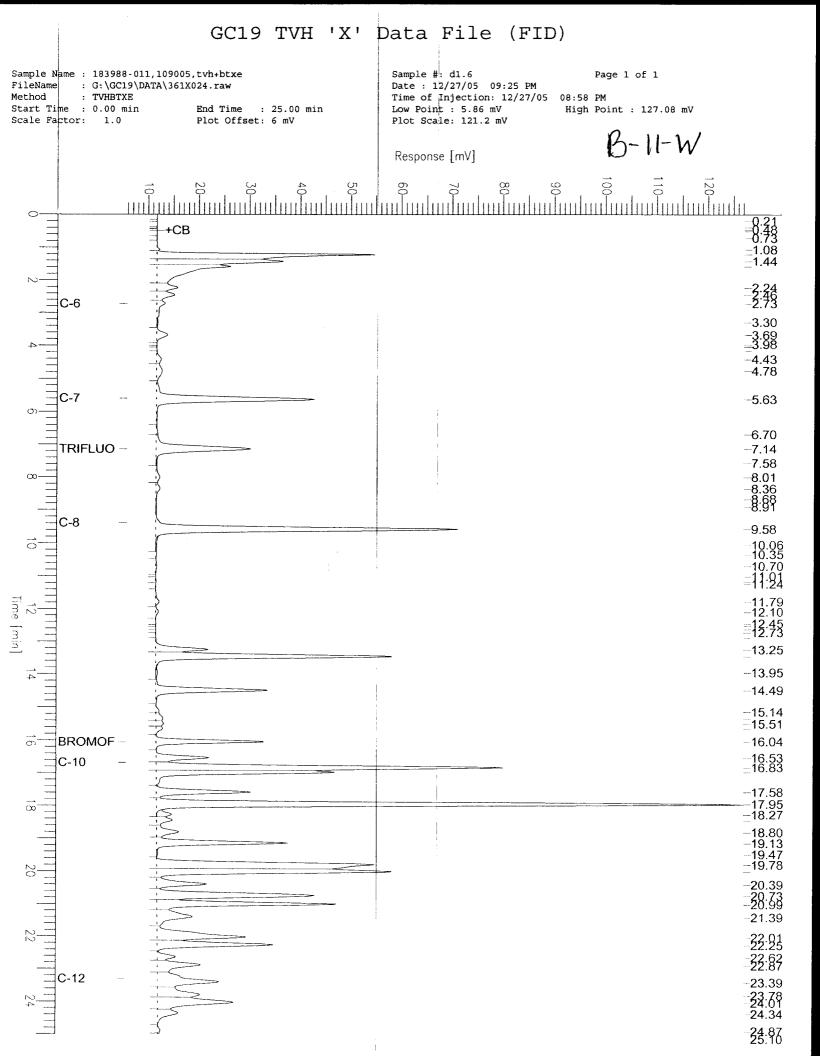


Curtis & Tompkins, Ltd.

	Curtis & T	ompkins Labor	atories An	alytical Repor	rt
Lab #: Client: Project#:	183988 Weiss Associa 184-1761-01-3	tes	Location: Prep:	McGrath St EPA 5030B	eel
Matrix: Units:	Water ug/L		Received:	12/22/05	
Type: S	3-10-W SAMPLE 183988-007		Diln Fac: Sampled:	1.000 12/20/05	
Analyte Gasoline C7-Cl2 Mineral Spirits C Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		Result 580 550 Y b 1.7 C 8.3 34 110 34	RL 50 50 0.50 0.50 0.50 0.50 0.50	Batch# Analyzed 109005 12/27/05 109291 01/06/06 109005 12/27/05 109005 12/27/05 109005 12/27/05 109005 12/27/05 109005 12/27/05	EPA 8015B EPA 8015B EPA 8021B EPA 8021B EPA 8021B EPA 8021B
Surroga Trifluorotoluene Bromofluorobenzer Trifluorotoluene Bromofluorobenzer	(FID) ne (FID) (PID)	%REC Limits 107 62-141 133 78-134 117 67-127 141 80-122	Batch# Analy 109005 12/27 109005 12/27 109005 12/27 109005 12/27	/05 EPA 8015B /05 EPA 8015B /05 EPA 8021B	sis
Type: S Lab ID: I	3-11-W SAMPLE 183988-011 100.0		Batch#: Sampled: Analyzed:	109005 12/21/05 12/27/05	
Analyt Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	ce	Result 210,000 6,000 10,000 1,400 7,500 3,500	5	50 EPA 50 EPA 50 EPA 50 EPA 50 EPA	Analysis 8015B 8021B 8021B 8021B 8021B 8021B 8021B
Surroga Trifluorotoluene Bromofluorobenzer Trifluorotoluene Bromofluorobenzer	(FID) ne (FID) (PID)	%REC Limits 104 62-141 109 78-134 85 67-127 107 80-122	Analys EPA 8015B EPA 8015B EPA 8021B EPA 8021B	is	

*= 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 Page 2 of 5



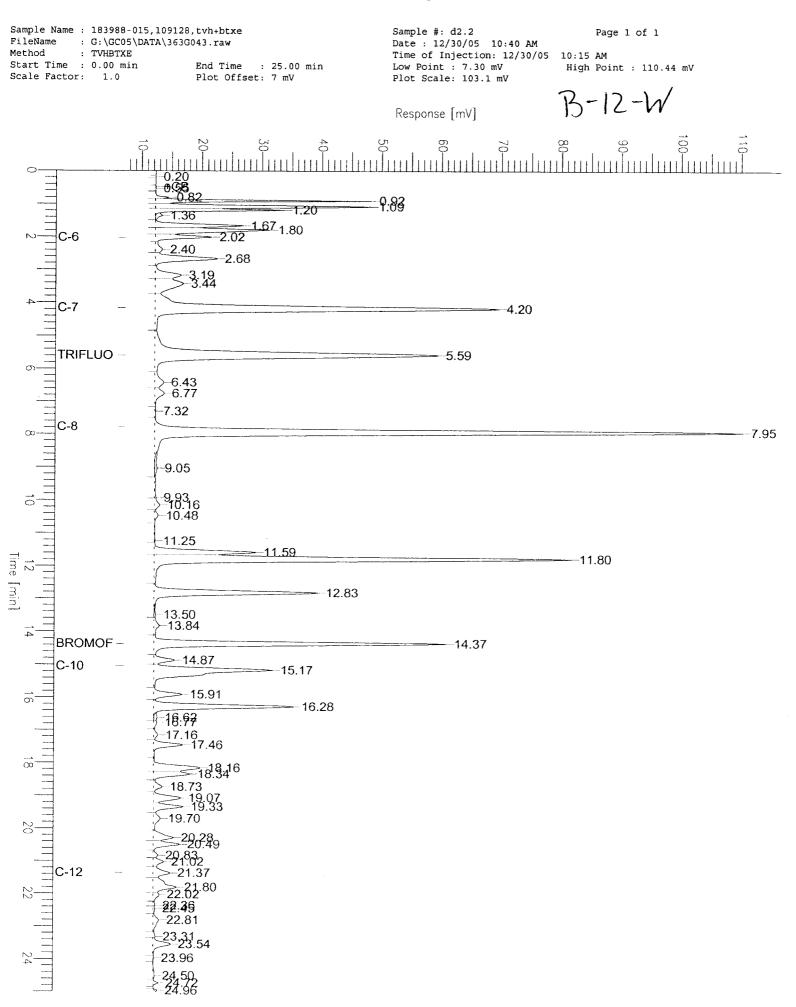




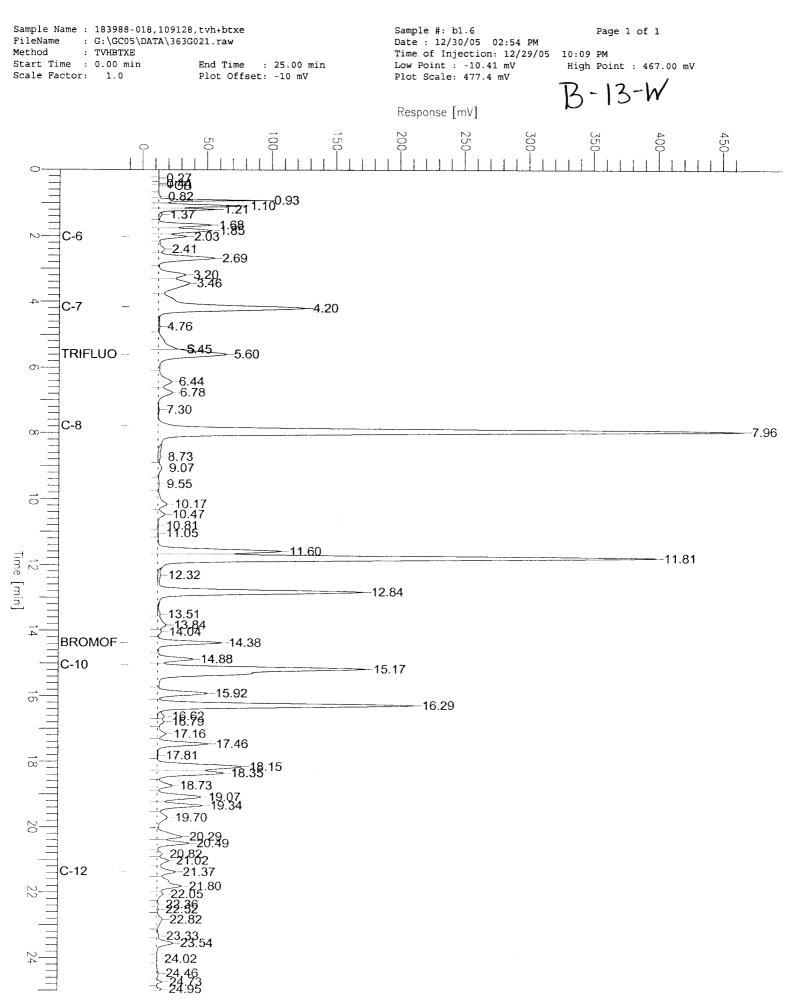
	Curtis &	Tompkins Labo	ratories Ana	alytical Report	
Lab #: Client: Project#:	183988 Weiss Associ 184-1761-01-		Location: Prep:	McGrath Stee EPA 5030B	21
Matrix: Units:	Water ug/L		Received:	12/22/05	
Field ID: Type: Lab ID:	B-12-W SAMPLE 183988-015		Diln Fac: Sampled:	500.0 12/20/05	
Analy Gasoline C7-C12 Mineral Spirits Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	2	Result 260,000 180,000 Y b 24,000 39,000 6,500 24,000 10,000	RL 25,000 25,000 250 250 250 250 250 250	Batch# Analyzed 109128 12/30/05 109291 01/06/06 109128 12/30/05 109128 12/30/05 109128 12/30/05 109128 12/30/05 109128 12/30/05	5 EPA 8015B 5 EPA 8015B 5 EPA 8021B 5 EPA 8021B 5 EPA 8021B 5 EPA 8021B 5 EPA 8021B
Surre Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) zene (FID) ne (PID)	%REC Limits 110 62-141 111 78-134 99 67-127 104 80-122	Batch# Analy 109128 12/30, 109128 12/30, 109128 12/30, 109128 12/30,	/05 EPA 8015B /05 EPA 8015B /05 EPA 8021B	. s
Field ID: Type: Lab ID: Diln Fac:	B-13-W SAMPLE 183988-018 100.0		Batch#: Sampled: Analyzed:	109128 12/21/05 12/29/05	
Anal Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		Result 290,000 8,600 34,000 6,700 26,000 11,000	5	RL ,000 EPA 50 EPA	3021B 3021B 3021B 3021B
Surro Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) zene (FID) ne (PID)	%REC Limits 122 62-141 114 78-134 115 67-127 100 80-122	Analys: EPA 8015B EPA 8015B EPA 8021B EPA 8021B	is	

*= Value outside of QC limits; see narrative C= Presence confirmed, but RPD between columns exceeds 40% T= Sample exhibits chromatographic pattern which does not resemble standard b= See narrative NA= Not Analyzed ND= Not Detected RL= Reporting Limit Page 3 of 5

Chromatogram



Chromatogram



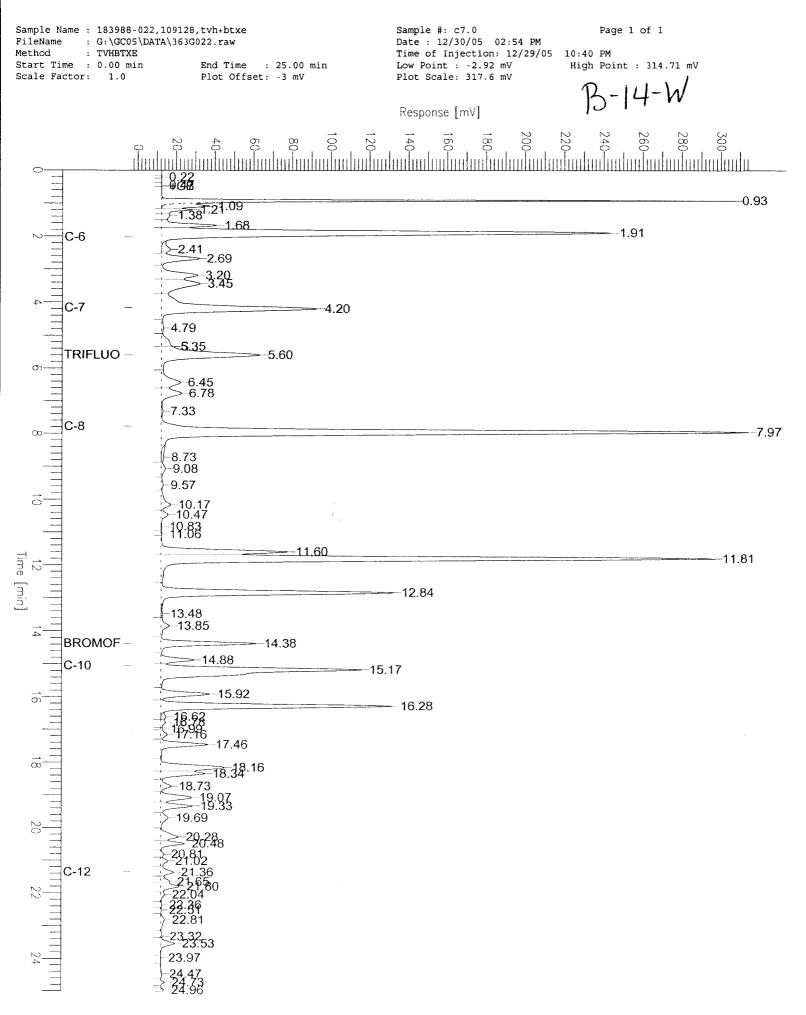


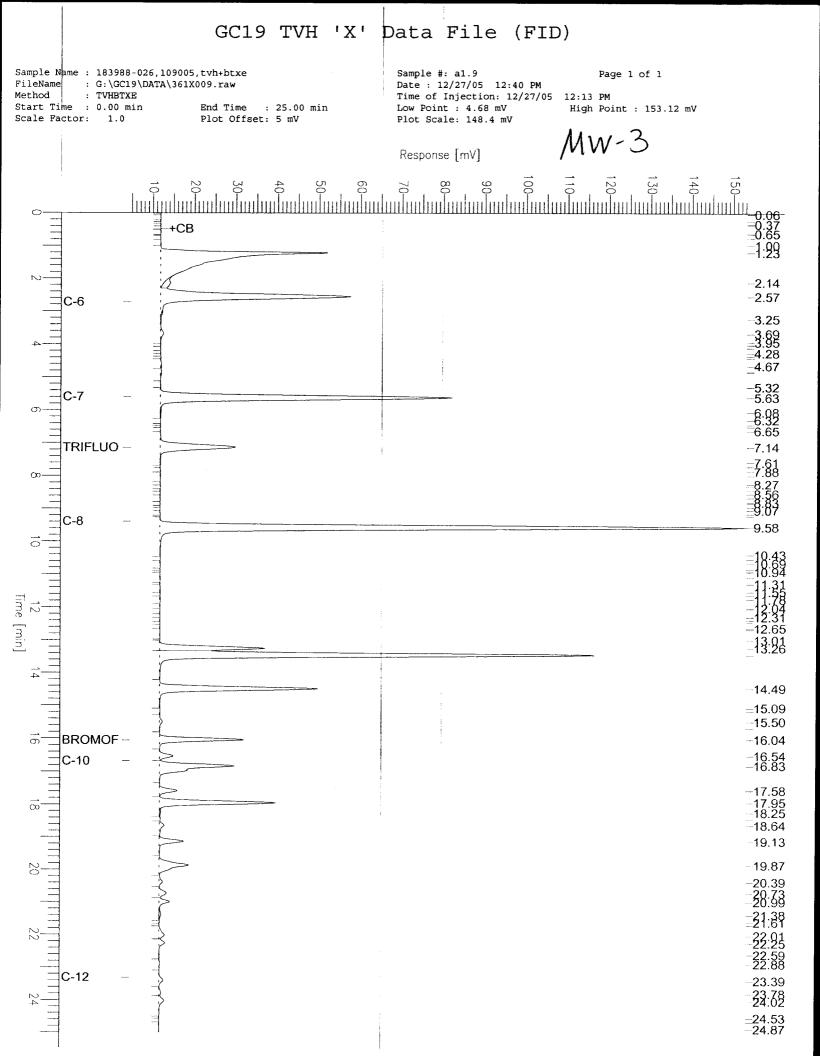
	Curtis &	Tompk	ins Labo	ratories A	analyt	ical Repor	t	
Lab #: Client: Project#:	183988 Weiss Associ 184-1761-01-			Location: Prep:		McGrath Ste EPA 5030B	eel	
Matrix: Units:	Water ug/L			Received:		12/22/05		
Field ID: Type: Lab ID: Diln Fac:	B-14-W SAMPLE 183988-022 25.00			Batch#: Sampled: Analyzed:		109128 12/21/05 12/29/05		
Gasoline C7-C12	lyte 2		Result 47,000		RL 1,300	EPA	Analysi 8015B	S
Benzene Toluene			1,500 5,900		13 13		8021B 8021B	
Ethylbenzene m,p-Xylenes			1,200 4,900		13 13		8021B 8021B	
o-Xylene			2,200		13		8021B	
Surre	ogate	%RE		Anal	ysis			
Trifluorotoluer Bromofluorobenz	zene (FID)	125 113	62-141 78-134	EPA 8015B EPA 8015B				
Trifluorotoluer Bromofluorobenz		112 103	67-127 80-122	EPA 8021B EPA 8021B				
Field ID:	MW - 3			Batch#:		109005		
Type: Lab ID:	SAMPLE			Sampled:		12/20/05		
Diln Fac:	183988-026 40.00			Analyzed:		12/27/05		
Anal			Result		RL	77.7.7	Analysi	s
Gasoline C7-C12 Benzene	2		54,000 6,000		2,000 20	EPA	8015B 8021B	
Toluene Ethylbenzene			10,000 1,700		20 20		8021B 8021B	
m,p-Xylenes o-Xylene			7,000 2,600		20 20	EPA	8021B 8021B	
		0.0.1				GPA	00210	
Surro Trifluorotoluer	ne (FID)	97	<u>Limits</u> 62-141	EPA 8015B	YSIS			
Bromofluorobenz Trifluorotoluer		105 98	78-134 67-127	EPA 8015B EPA 8021B				
Bromofluorobenz	zene (PID)	119	80-122	EPA 8021B				

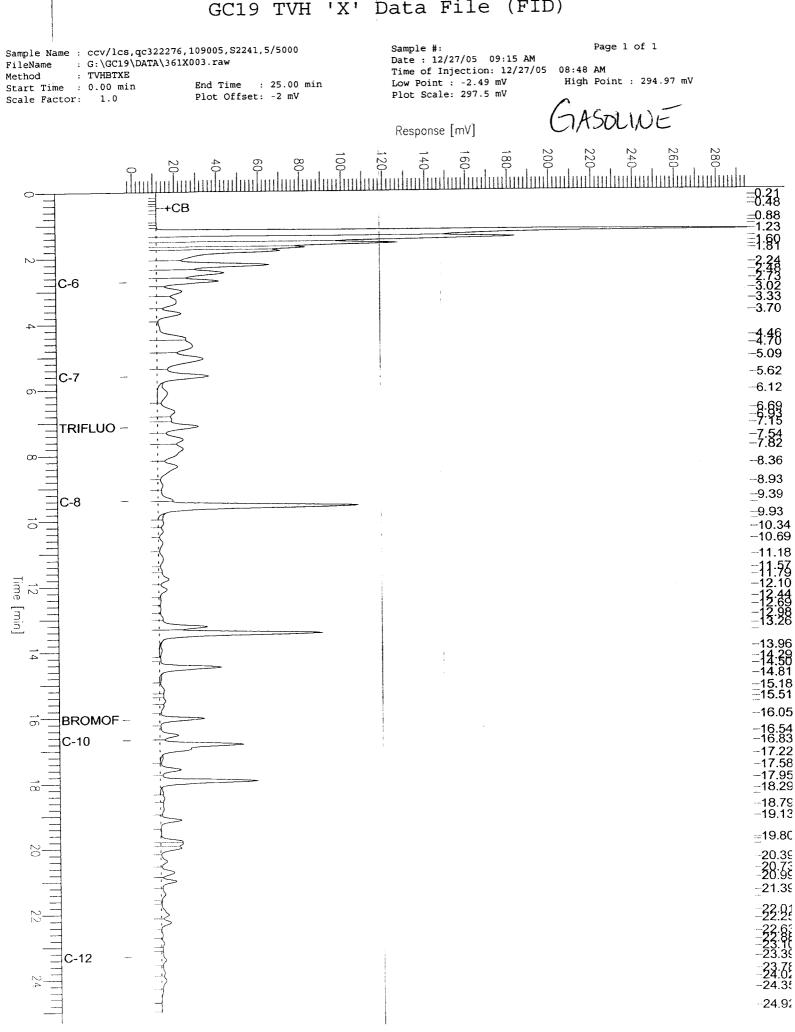
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*= Value outside of QC limits; see narrative C= Presence confirmed, but RPD between columns exceeds 40% ND= Not Detected RL= Reporting Limit Page 4 of 5

Chromatogram

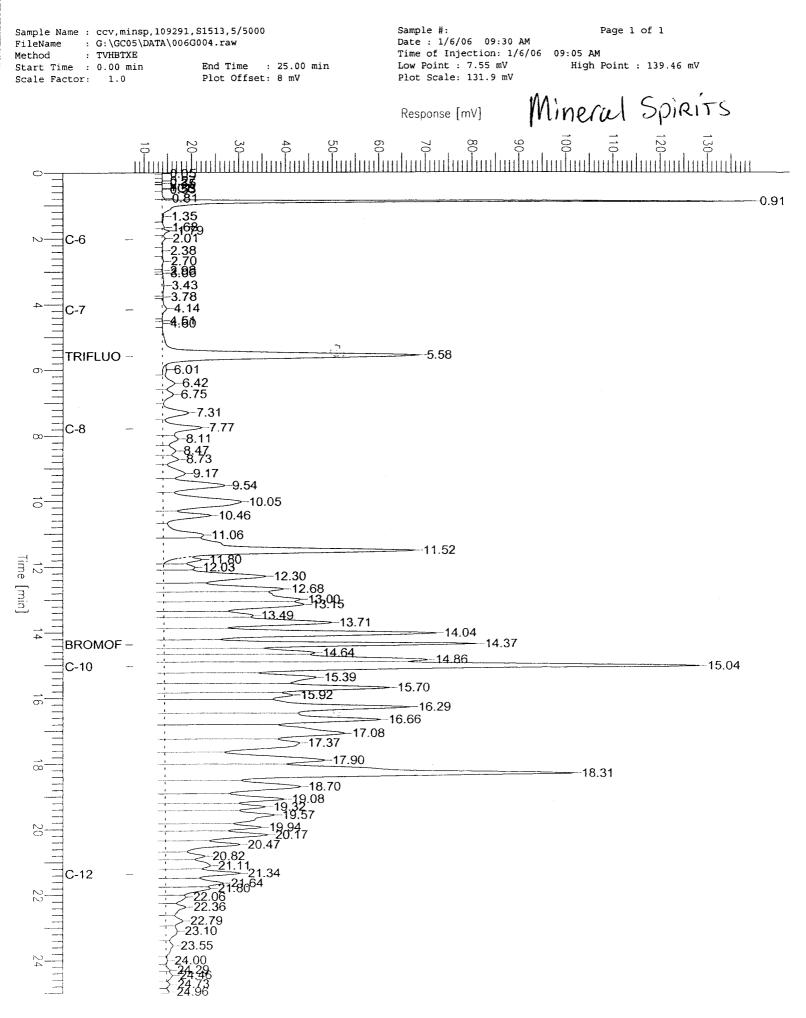






GC19 TVH 'X' Data File (FID)

Chromatogram





Matrix: Water Received: 12/22/05 Units: uq/L Number of the second of		e1	rath Stee 5030B		Location: Prep:			183988 Weiss Assoc	Lab #: Client:
Units: uq/L ype: BLANK ab ID: QC322274 0000 Batch#: 109005 Analyzed: 12/27/05 In Fac: 1.000 Result RL Analysis Gasoline C7-C12 ND 50 EPA 8015B Benzene ND 0.50 EPA 8021B Toluene ND 0.50 EPA 8021B mpXylenes ND 0.50 EPA 8021B o.Xylene ND 0.50 EPA 8021B Trifluorobluene (FID) 90 62-141 EPA 8015B Bromofluorobenzene (FID) 97 67-127 EPA 8015B Bromofluorobenzene (FID) 97 67-127 EPA 8015B Bromofluorobenzene (PID) 97 67-127 EPA 8015B Bromofluorobenzene (PID) 114 80-122 EPA 8015B Benzene ND 0.50 EPA 8015B Bromofluorobenzene (PID) 97 67-127 EPA 8015B Bromofluorobenzene (PID) 100 0.50 EPA 8021B Benzene <td< th=""><th></th><th></th><th>22/05</th><th>10/</th><th>Deceived</th><th></th><th>01-3</th><th></th><th>Project#:</th></td<>			22/05	10/	Deceived		01-3		Project#:
Ype: BLANK OC 322274 Batch#: 109005 12/27/05 in Fac: 1.000 Analyzed: 12/27/05 Benzene ND 0.50 EPA 8015B Bornomofluorobenzene ND 0.50 EPA 8021B Bromofluorobenzene (FTD) 90 62-141 EPA 8015B Bromofluorobenzene (FTD) 109 76-7-127 EPA 8021B Bromofluorobenzene (FTD) 114 80-122 EPA 8021B Bromofluorobenzene (PTD) 114 80-122 EPA 8021B Construct ND 0.50 EPA 8021B Construct ND 0.50 EPA 8015B <td></td> <td></td> <td>22/05</td> <td>12/</td> <td>Received:</td> <td></td> <td></td> <td></td> <td></td>			22/05	12/	Received:				
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ab ID: QC322274 Analyzed: 12/27/05 iin Fac: 1.000 Analyzed: 12/27/05 Analyze Result KL Analyzis Sasoline C7-C12 ND 50 EFA 8021B Benzene ND 0.50 EFA 8021B Toluene ND 0.50 EFA 8021B Toluene ND 0.50 EFA 8021B Surrogate SEC Limits Analysis Trifluorotoluene (FID) 90 62-141 EFA 8015B Bromofluorobenzene (PID) 97 67-127 EFA 8021B Ype: BLANK Batch#: 109128 ab D2: QC322727 Analyzed: 12/29/05 Iin Fac: 1.000 50 EFA 8015B Encode ND 0.50 EFA 8015B Encode ND 0.50 EFA 8015B Foluene ND <t< td=""><td></td><td></td><td>005</td><td>109</td><td>Batch#:</td><td></td><td></td><td>BLANK</td><td>vpe:</td></t<>			005	109	Batch#:			BLANK	vpe:
Analyte Result RL Analysis Gascline C7-Cl2 ND 50 EPA 8021B Senzene ND 0.50 EPA 8021B Toluene ND 0.50 EPA 8021B Toluene ND 0.50 EPA 8021B n.p-Xylenes ND 0.50 EPA 8021B n.p-Xylenes ND 0.50 EPA 8021B officience REC Limits Analysis Triflucotoluene (FID) 90 62-141 EPA 8015B Bromofluorobenzene (FID) 97 67-127 EPA 8021B Bromofluorobenzene (PID) 97 67-127 EPA 8021B Bromofluorobenzene (PID) 97 67-127 EPA 8021B Stomofluorobenzene (PID) 114 80-122 EPA 8021B Analyze Result RL Analysis Sasoline C7-Cl2 ND 50 EPA 8021B Foluene ND 0.50 EPA 8021B Foluene ND 0.50 EPA 8021B			27/05	12/	Analyzed:			QC322274	
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Surrogate % REC Limits Analysis Surrogate % REC Limits Analysis Sromofluorobenzene (PID) 101 80-122 EPA 8021B Analyzed: 12/29/05 Analyzed: 0.50 EPA 8015B EPA 8015B Baconic C7-C12 ND 0.50 Analyzed: 0.50 EPA 8021B Baconfluorobenzene (FID) 102 62-141 EPA 8015B Baromofluorobenzene (PID) 101 80-122 EPA 8021B Baromofluorobenzene (PID) 101 80-122 EPA 80									
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b ID: OC322727 Analyzed: 12/29/05 In Fac: 1.000 Analyzed: 12/29/05 Analyte Result RL Analysis asoline C7-C12 ND 50 EPA 8015B enzene ND 0.50 EPA 8021B oluene ND 0.50 EPA 8021B oluene ND 0.50 EPA 8021B thylbenzene ND 0.50 EPA 8021B .vp-Xylenes ND 0.50 EPA 8021B .vp-Xylene ND 102 62-141 EPA 8015B .vp-Xylene ND 108 78-134 EPA 8015B .vp-Xylene EPA			128	109	Batch#:			BLANK	ne ·
In Fac: 1.000 Analyte Result RL Analysis asoline C7-Cl2 ND 50 EPA 8015B enzene ND 0.50 EPA 8021B boluene ND 0.50 EPA 8021B thylbenzene ND 0.50 EPA 8021B typ-Xylenes ND 0.50 EPA 8021B Xylene ND 0.50 EPA 8021B									
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Surrogate %REC Limits Analysis Trifluorotoluene (FID) 102 62-141 EPA 8015B Bromofluorobenzene (FID) 108 78-134 EPA 8015B Brifluorotoluene (PID) 94 67-127 EPA 8021B Bromofluorobenzene (PID) 101 80-122 EPA 8021B Bromofluorobenzene (PID) 101 80-122 EPA 8021B Pre: BLANK Batch#: 109291 ab ID: QC323347 Analyzed: 01/06/06 ln Fac: 1.000 Analysis: EPA 8015B Analyte Result RL Mineral Spirits C7-C12 ND 50									
Tifluorotoluene (FID) 102 62-141 EPA 8015B promofluorobenzene (FID) 108 78-134 EPA 8015B prifluorotoluene (PID) 94 67-127 EPA 8021B promofluorobenzene (PID) 101 80-122 EPA 8021B promofluorobenzene (PID) Analyzed: 01/06/06 promofluorobenzene (PID) Result RL promofluorobenzene (PID) ND 50		8021B	EPA 8	0.50		1D	N		-Xylene
Bromofluorobenzene (FID) 108 78-134 EPA 8015B Grifluorotoluene (PID) 94 67-127 EPA 8021B Bromofluorobenzene (PID) 101 80-122 EPA 8021B Pre: BLANK Batch#: 109291 ab ID: QC323347 Analyzed: 01/06/06 .ln Fac: 1.000 Analysis: EPA 8015B Analyte Result RL Mineral Spirits C7-C12 ND 50				sis				ogate	Surr
Trifluorotoluene (PID) 94 67-127 EPA 8021B Bromofluorobenzene (PID) 101 80-122 EPA 8021B /pe: BLANK Batch#: 109291 ab ID: QC323347 Analyzed: 01/06/06 iln Fac: 1.000 Analysis: EPA 8015B Analyte Result RL 4ineral Spirits C7-C12 ND 50									
Bromofluorobenzene (PID) 101 80-122 EPA 8021B /pe: BLANK Batch#: 109291 ab ID: QC323347 Analyzed: 01/06/06 iln Fac: 1.000 Analysis: EPA 8015B Analyte Result RL 4ineral Spirits C7-C12 ND 50									
pe: BLANK Batch#: 109291 b ID: QC323347 Analyzed: 01/06/06 ln Fac: 1.000 Analysis: EPA 8015B Analyte Result RL Ineral Spirits C7-C12 ND 50									
b ID: QC323347 Analyzed: 01/06/06 In Fac: 1.000 Analysis: EPA 8015B Analyte Result RL ineral Spirits C7-C12 ND 50					BIR 0021D	00 122		Zene (FiD)	100011001004
b ID: QC323347 Analyzed: 01/06/06 In Fac: 1.000 Analysis: EPA 8015B Analyte Result RL Ineral Spirits C7-C12 ND 50			291	109	Batch#•			BLANK	ne ·
In Fac: 1.000 Analýsis: EPA 8015B Analyte Result RL lineral Spirits C7-C12 ND 50									
ineral Spirits C7-C12 ND 50			,	,					
ineral Spirits C7-C12 ND 50				RL		Result	-	lvte	Апа
Surrogate Result &RRC Limits							N		
				Limits	%REC	Result		ogate	Surr
rifluorotoluene (FID) 115 62-141							<u> </u>		
Bromofluorobenzene (FID) 120 78-134									
Crifluorotoluene (PID) NA							NA	ne (PID)	rifluorotolue
promofluorobenzene (PID) NA							NA	zene (PID)	romofluorober
<pre>= Value outside of QC limits; see narrative = Presence confirmed, but RPD between columns exceeds 40% = Sample exhibits chromatographic pattern which does not resemble standard = See narrative</pre>			standard	% resemble	s exceeds 40 ich does not	een column	RPD betwe	nfirmed, but F	= Presence co

RL= Reporting Limit Page 5 of 5



	Curtis & Tompkins		• •
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	opikeu	RESUIL	OLDC	DITHERCO
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		Limits
Trifluorotoluene (PID)	103	67-127
Bromofluorobenzene (PID)	122	80-122

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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			

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



	Curtis & Tompk	ins Labor	atories A	malytical	Report	
Lab #:	183988		Location:	McGra	ath Stee	-1
Client:	Weiss Associates		Prep:	EPA 5	5030B	
Project#:	184-1761-01-3		Analysis:	EPA 8	3021B	
Type:	LCS		Diln Fac:	1.000)	
Lab ID:	QC322728		Batch#:	10912	28	
Matrix:	Water		Analyzed:	12/29	9/05	
Units:	ug/L					
		.,				
An	alyte	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	Laboratories Anal	lytical 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	v	Limits
Gasoline C7-C12	2,000	2,129	106	80-120

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



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			

Surrogate	%REC	Limits	26
Trifluorotoluene (FID)	141	62-141	
Bromofluorobenzene (FID)	132	78-134	



	Curtis & Tompkins	Laboratories Ana]	lytical 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:	QC3	22353			
Analyte	MSS R	esult	Spiked		Result	%RE	C Li	nits
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:	QC3:	22354			
		Spiked		QC3: Result	22354 % REC	Limits	RPD	Lim
Type: MSD			I	~		Limits 80-120	RPD 3	Lim 20
Type: MSD Analyte		Spiked 2,000	I	esult	%REC		3	
Type: MSD Analyte Gasoline C7-C12		Spiked 2,000	I	esult	%REC	80-120	3	



	Curtis & Tompkins	Laboratories Anal	lytical 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:	QC	322738		
1	Analyte	MSS F	lesult	Spike	d	Result	%REC	Limits
Gasoline C7	7-C12		13.68	2,000		1,930	96	80-120
5	Surrogate	%REC	Limits					
Trifluoroto	oluene (FID)	115	62-141			<u></u>		
Bromofluoro	obenzene (FID)	120	78-134					
Type:	MOD							
* -	MSD			Lab ID:	QC	322739		
	Analyte		Spiked	Lab ID:	QC Result	322739 % REC	C Limits	RPD Lim
Gasoline C7	Analyte		Spiked 2,000	Lab ID:			2 Limits 80-120	RPD Lim 4 20
Gasoline C7	Analyte	%REC	2,000	Lab ID:	Result	%RE(
Gasoline C7	Analyte 7-C12	%REC 120	2,000	Lab ID:	Result	%RE(

RPD= Relative Percent Difference Page 1 of 1



	Curtis & Tompkins	Laboratories Anal	ytical 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:	QC323	461			
	Analyte	MSS Re	esult		Spiked	F	lesult	%REC	Lin	nits
Gasoline C	C7-C12	66	56.3		2,000	2	2,563	95	80	120
	Surrogate	%REC	Limits							
Trifluorot	coluene (FID)	160 *	62-141							
Bromofluor	robenzene (FID)	138 *	78-134							
Type :	MSD		70 194	Lab	ID:	QC323	3462			
Type :	MSD			Lab	ID: Resi		\$462 %REC	' Limits	RPD	Lim
Type: Gasoline C	MSD Analyte		Spiked 2,000	Lab		ilt		Limits 80-120	RPD 1	Lim 20
Gasoline C	MSD Analyte	%REC	Spiked 2,000	Lab	Resi	ilt	%REC			

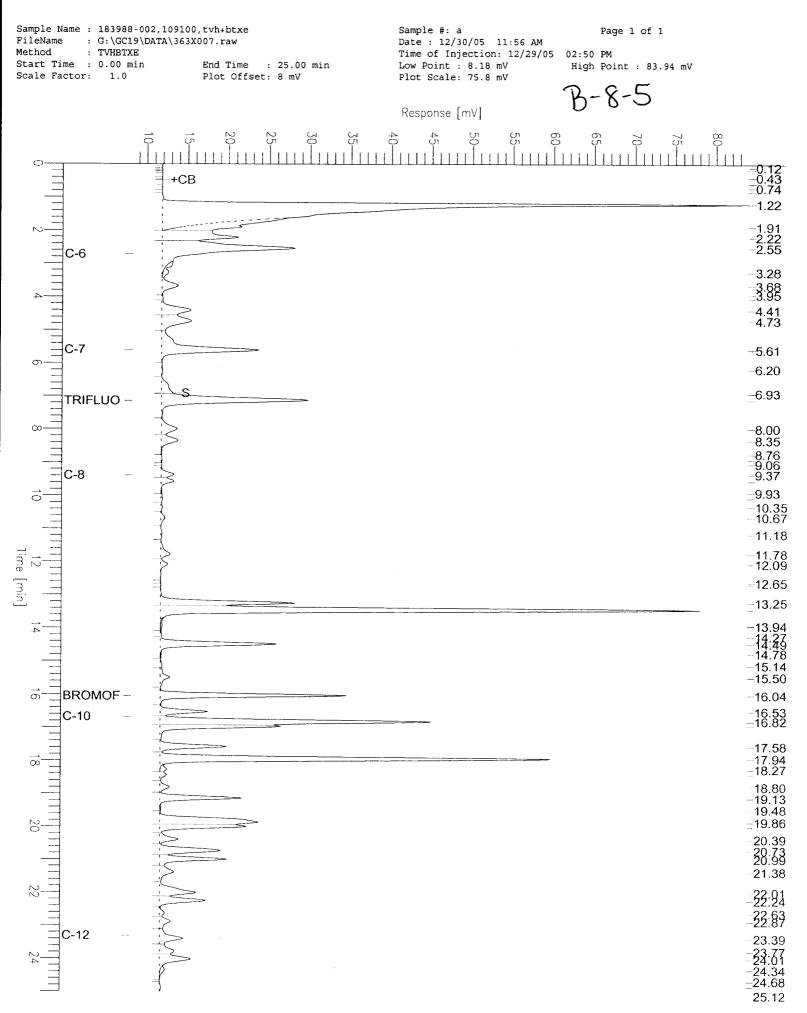
*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference
Page 1 of 1

Bromofluorobenzene (FID) 135 * 78-134

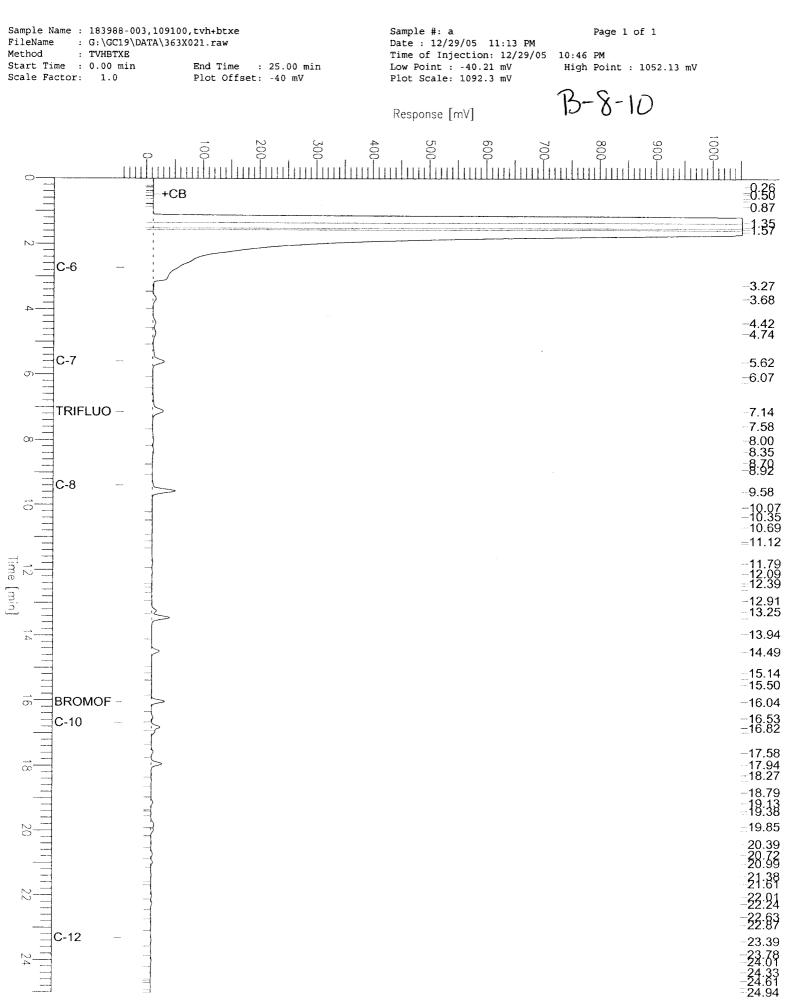
Curtis & Tompkins, Ltd.

	Curtis & Tom	okins Labo	ratories A	Analyt	ical Repo	rt	
Lab #: Client: Project#:	183988 Weiss Associates 184-1761-01-3		Location: Prep:		McGrath St EPA 5030B	zeel	
Matrix: Basis:	Soil as received		Received:		12/22/05	******	
Field ID: Type: Lab ID: Diln Fac:	B-8-5 SAMPLE 183988-002 1.000		Batch#: Sampled: Analyzed:		109100 12/20/05 12/29/05		
Anal Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		Result 4.6 100 14 130 560 120		RL 1.0 5.2 5.2 5.2 5.2 5.2 5.2 5.2	ug/Kg ug/Kg ug/Kg ug/Kg	Anal EPA 8015B EPA 8021B EPA 8021B EPA 8021B EPA 8021B EPA 8021B	ysis
Surro Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) 99 zene (FID) 11 ne (PID) 10	8 62-149 2 63-125	Anal EPA 8015B EPA 8015B EPA 8021B EPA 8021B	ysis			
Field ID: Type: Lab ID: Diln Fac:	B-8-10 SAMPLE 183988-003 5.000		Batch#: Sampled: Analyzed:		109100 12/20/05 12/29/05		
Ana Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		Result 16 880 1,800 340 1,200 550		RL 5.0 25 25 25 25 25 25 25 25	ug/Kg ug/Kg ug/Kg ug/Kg	Anal EPA 8015B EPA 8021B EPA 8021B EPA 8021B EPA 8021B EPA 8021B	ysis
Surro Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) 12 zene (FID) 12 ne (PID) 10	0 62-149 3 63-125	Anal EPA 8015B EPA 8015B EPA 8021B EPA 8021B	ysis			

*= 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 Page 1 of 10



GC19 TVH 'X' Data File (FID)



GC19 TVH 'X' Data File (FID)



	Curtis &	Tompkin	is Labo	ratories A	nalyt	ical Repo	rt	
Lab #: Client: Project#:	183988 Weiss Associ 184-1761-01-			Location: Prep:	<u></u>	McGrath St EPA 5030B	ceel	
Matrix: Basis:	Soil as received		· · · · · · · · · · · · · · · · · · ·	Received:		12/22/05		
Field ID: Type: Lab ID: Diln Fac:	B-9-6 SAMPLE 183988-005 1.000			Batch#: Sampled: Analyzed:		109100 12/20/05 12/29/05		
Anal Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		R ND ND ND ND ND	esult		RL 1.1 5.6 5.6 5.6 5.6 5.6 5.6 5.6	ug/Kg ug/Kg ug/Kg ug/Kg	AnalEPA8015BEPA8021BEPA8021BEPA8021BEPA8021BEPA8021B	ysis
Surro Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) zene (FID) ne (PID)	%REC 96 117 95 111	Limits 59-140 62-149 63-125 71-129	Anal: EPA 8015B EPA 8015B EPA 8021B EPA 8021B	ysis			
Field ID: Type: Lab ID: Diln Fac:	B-9-11 SAMPLE 183988-006 1.000			Batch#: Sampled: Analyzed:		109100 12/20/05 12/29/05		
Anal Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		R ND ND ND ND ND	esult		RL 1.1 5.4 5.4 5.4 5.4 5.4 5.4 5.4	ug/Kg ug/Kg ug/Kg ug/Kg	Anal EPA 8015B EPA 8021B EPA 8021B EPA 8021B EPA 8021B EPA 8021B	
Surro Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) zene (FID) ne (PID)	% REC 102 116 97 115	Limits 59-140 62-149 63-125 71-129	Anal EPA 8015B EPA 8015B EPA 8021B EPA 8021B	ysis			

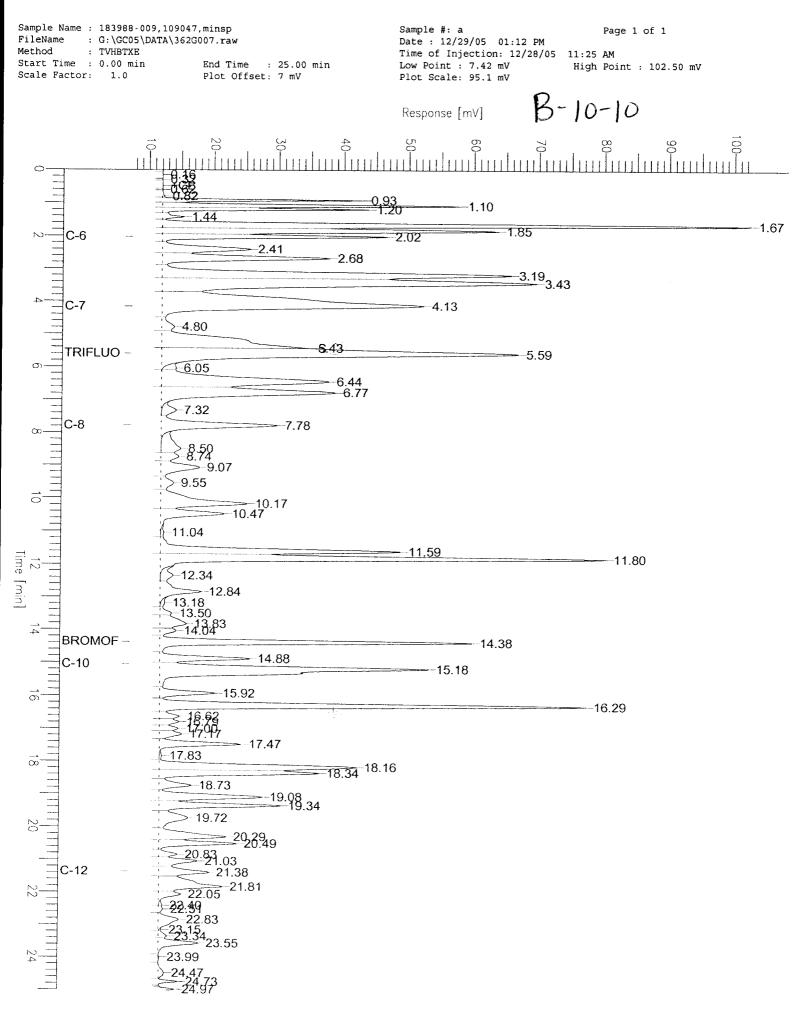
*= Value outside of QC limits; see narrative C= Presence confirmed, but RPD between columns exceeds 40% Y= Sample exhibits chromatographic pattern which does not resemble standard ND= Not Detected RL= Reporting Limit Page 2 of 10



	Curtis & T	ompkir	is Labo:	ratories A	nalyt	ical Report
Lab #:	183988	<u>.</u>		Location:		McGrath Steel
Client:	Weiss Associa	tes		Prep:		EPA 5030B
Project#:	184-1761-01-3			L I		
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					
Analy	үсе		esult	ł	<u>}L</u> 1.1	Units Analysis mg/Kg EPA 8015B
Gasoline C7-C12 Mineral Spirits	07-010	ND ND			1.1	mg/Kg EPA 8015B mg/Kg EPA 8015B
Benzene	07-012	ND ND			5.3	ug/Kg EPA 8015B
Toluene		ND			5.3	ug/Kg EPA 8021B ug/Kg EPA 8021B
Ethylbenzene		ND			5.3	ug/Kg EPA 8021B ug/Kg EPA 8021B
m,p-Xylenes		ND			5.3	ug/Kg EPA 8021B
o-Xylene		ND			5.3	ug/Kg EPA 8021B
O Aytene		110			<u> </u>	uy/ky EFA 0021b
Surro	nate	%REC	Limits	Analy	vsis	
Trifluorotoluene		105	59-140	EPA 8015B		
Bromofluorobenze		109	62-149	EPA 8015B		
Trifluorotoluene	e (PID)	96	63-125	EPA 8021B		
Bromofluorobenze		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					, _, _, _,
	·····					
Analy	/te	R	esult		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
Surroc	1ªto	%REC	Limits	Analy	reie	
Trifluorotoluene		140	<u>59-140</u>	EPA 8015B	313	
Bromofluorobenze		140	62-149	EPA 8015B EPA 8015B		
Trifluorotoluene		$112 \\ 114$	63-125	EPA 8021B		
Bromofluorobenze		101	71-129	EPA 8021B		
		<u> </u>	1 1 1 2 7	DIA UVZID		and the second

- *= 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 Page 3 of 10

Chromatogram





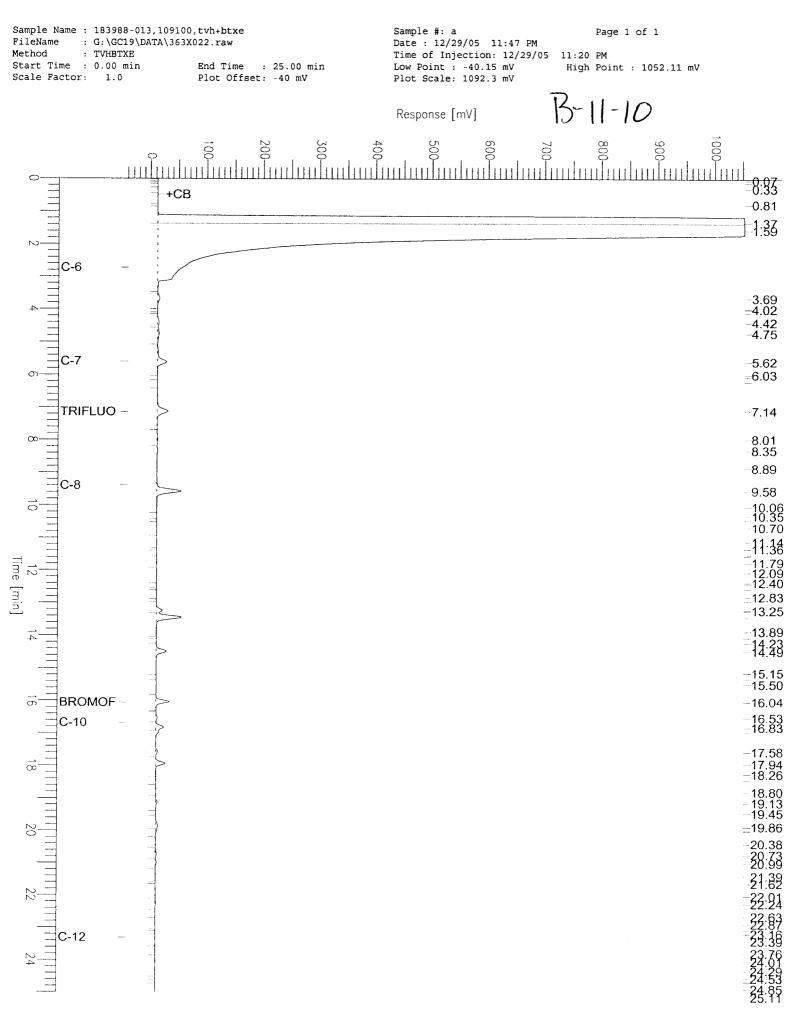
	Curtis & T	ompkin	s Labo	ratories A	nalyt	ical Report	
Lab #: Client: Project#:	183988 Weiss Associa 184-1761-01-3	tes		Location: Prep:		McGrath Steel EPA 5030B	
Matrix: Basis:	Soil as received			Received:		12/22/05	
Field ID: Type: Lab ID: Diln Fac:	B-10-15 SAMPLE 183988-010 1.000			Batch#: Sampled: Analyzed:		109047 12/20/05 12/28/05	
Analy Gasoline C7-Cl2 Mineral Spirits Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	•	R ND ND ND	esult 16 100 40 18	1	₹L 1.1 5.5 5.5 5.5 5.5 5.5 5.5 5.5	Units Analys mg/Kg EPA 8015B mg/Kg EPA 8015B ug/Kg EPA 8021B ug/Kg EPA 8021B	is
Surro Trifluorotoluen Bromofluorobenz Trifluorotoluen Bromofluorobenz	e (FID) ene (FID) e (PID)	% REC 105 103 97 95	Limits 59-140 62-149 63-125 71-129	Analy EPA 8015B EPA 8015B EPA 8021B EPA 8021B	/sis		
Field ID: Type: Lab ID: Diln Fac:	B-11-5 SAMPLE 183988-012 1.000			Batch#: Sampled: Analyzed:		109100 12/21/05 12/29/05	
Anal: Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	yte	R ND ND ND ND ND ND	esult		RL 1.1 5.3 5.3 5.3 5.3 5.3 5.3 5.3	Units Analys mg/Kg EPA 8015B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B	15
Surro Trifluorotoluen Bromofluorobenz Trifluorotoluen Bromofluorobenz	e (FID) ene (FID) e (PID)	%REC 104 117 99 117	Limits 59-140 62-149 63-125 71-129	Analy EPA 8015B EPA 8015B EPA 8021B EPA 8021B	vsis		

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	Curtis & 1	Compki	ns Laboi	ratories A	nalyt	ical Repo	rt	
Lab #: Client:	183988 Weiss Associa			Location: Prep:	2000-000-000-000-000	McGrath St EPA 5030B	zeel	
Project#: Matrix: Basis:	<u>184-1761-01-3</u> Soil as received			Received:		12/22/05		
							на <u>н станица и протоко</u> ни и протоко и проток	J
Field ID: Type:	B-11-10 SAMPLE			Batch#: Sampled:		109100 12/21/05		
Lab ID: Diln Fac:	183988-013 5.000			Analyzed:		12/29/05		
	lyte	I	Result		RL	Units	Analysis	
Gasoline C7-C1 Benzene	2		15 750		5.0 25		EPA 8015B EPA 8021B	
Toluene]	L,900		25	ug/Kg	EPA 8021B	
Ethylbenzene			420		25	ug/Kg	EPA 8021B	
m,p-Xylenes]	L,700 720		25 25		EPA 8021B	
o-Xylene			120		20	ug/kg	EPA 8021B	
	ogate	%REC	Limits	Anal	ysis			
Trifluorotolue		117	59-140	EPA 8015B				
Bromofluoroben Trifluorotolue		119 100	62-149 63-125	EPA 8015B EPA 8021B				
Bromofluoroben		114	71-129	EPA 8021B EPA 8021B				
Field ID:	D 11 14							
Type: Lab ID: Diln Fac:	B-11-14 SAMPLE 183988-014 5.000			Batch#: Sampled: Analyzed:		109100 12/21/05 12/29/05		
Lab ID: Diln Fac:	SAMPLE 183988-014 5.000	r		Sampled:	DT	12/21/05 12/29/05	Analysis	
Lab ID: Diln Fac: Ana	SAMPLE 183988-014 5.000 lyte	I	Result	Sampled:	RL 5.0	12/21/05 12/29/05 Units	Analysis EPA 8015B	
Lab ID: Diln Fac:	SAMPLE 183988-014 5.000 lyte	I	Result 8.3 260	Sampled:	5.0 25	12/21/05 12/29/05 Units mg/Kg ug/Kg	EPA 8015B EPA 8021B	
Lab ID: Diln Fac: Gasoline C7-C1 Benzene Toluene	SAMPLE 183988-014 5.000 lyte	I	8.3 260 260	Sampled:	5.0 25 25	12/21/05 12/29/05 Units mg/Kg ug/Kg ug/Kg	EPA 8015B EPA 8021B EPA 8021B	
Lab ID: Diln Fac: Gasoline C7-C1 Benzene Toluene Ethylbenzene	SAMPLE 183988-014 5.000 lyte	F	8.3 260 260 250	Sampled:	5.0 25 25 25 25	12/21/05 12/29/05 Units mg/Kg ug/Kg ug/Kg ug/Kg	EPA 8015B EPA 8021B EPA 8021B EPA 8021B	
Lab ID: Diln Fac: Gasoline C7-C1 Benzene Toluene Ethylbenzene m,p-Xylenes	SAMPLE 183988-014 5.000 lyte	I	8.3 260 260 250 650	Sampled:	5.0 25 25 25 25 25	12/21/05 12/29/05 Units mg/Kg ug/Kg ug/Kg ug/Kg ug/Kg	EPA 8015B EPA 8021B EPA 8021B EPA 8021B EPA 8021B	
Lab ID: Diln Fac: Gasoline C7-C1 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	SAMPLE 183988-014 5.000 lyte 2		8.3 260 260 250 650 260	Sampled: Analyzed:	5.0 25 25 25 25 25 25 25	12/21/05 12/29/05 Units mg/Kg ug/Kg ug/Kg ug/Kg ug/Kg	EPA 8015B EPA 8021B EPA 8021B EPA 8021B	
Lab ID: Diln Fac: Gasoline C7-C1 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surr	SAMPLE 183988-014 5.000 lyte 2 ogate	%REC	8.3 260 260 250 650 260 Limits	Sampled: Analyzed: Analyzed: Anal	5.0 25 25 25 25 25 25 25	12/21/05 12/29/05 Units mg/Kg ug/Kg ug/Kg ug/Kg ug/Kg	EPA 8015B EPA 8021B EPA 8021B EPA 8021B EPA 8021B	
Lab ID: Diln Fac: Gasoline C7-C1 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	SAMPLE 183988-014 5.000 lyte 2 ogate ne (FID)		8.3 260 260 250 650 260	Sampled: Analyzed:	5.0 25 25 25 25 25 25 25	12/21/05 12/29/05 Units mg/Kg ug/Kg ug/Kg ug/Kg ug/Kg	EPA 8015B EPA 8021B EPA 8021B EPA 8021B EPA 8021B	
Lab ID: Diln Fac: Gasoline C7-C1 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Surr Trifluorotolue	SAMPLE 183988-014 5.000 lyte 2 ogate ne (FID) zene (FID) ne (PID)	% REC 103	8.3 260 260 250 650 260 Limits 59-140	Sampled: Analyzed: Analyzed: Anal EPA 8015B	5.0 25 25 25 25 25 25 25	12/21/05 12/29/05 Units mg/Kg ug/Kg ug/Kg ug/Kg ug/Kg	EPA 8015B EPA 8021B EPA 8021B EPA 8021B EPA 8021B	

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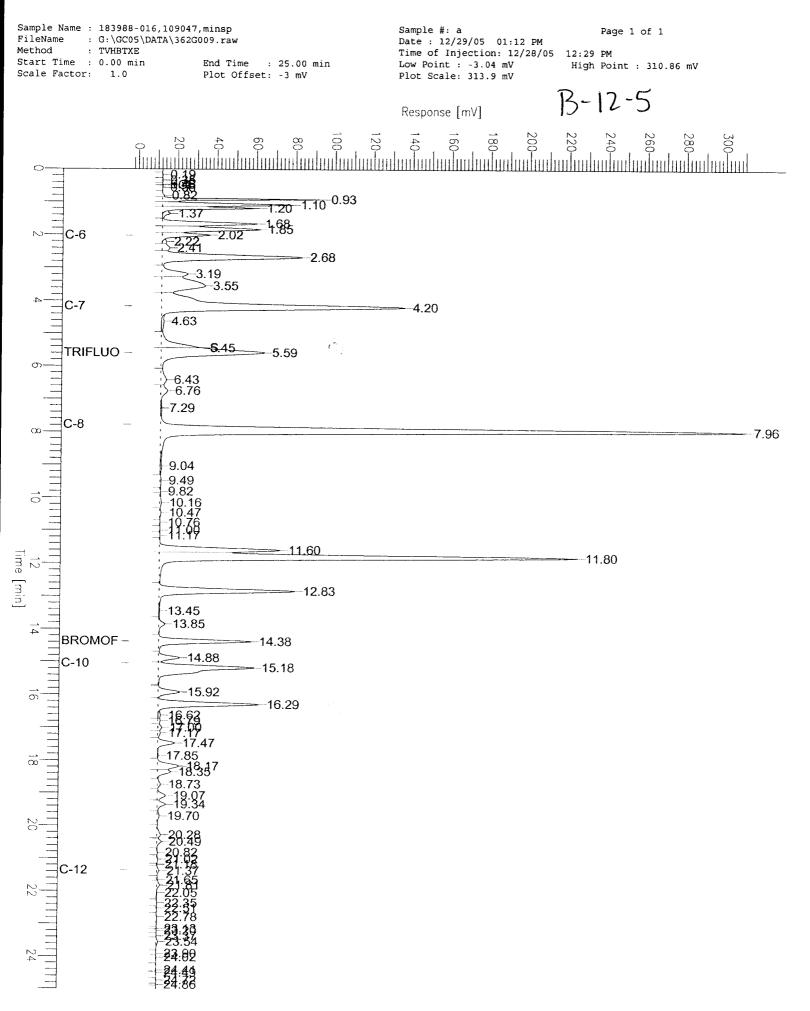
Sample Name : 183988-014,109100,tvh+btxe Sample #: a Page 1 of 1 FileName : G:\GC19\DATA\363X023.raw Date : 12/30/05 12:21 AM Method : TVHBTXE Time of Injection: 12/29/05 11:54 PM Start Time : 0.00 min End Time : 25.00 min Low Point : -40.24 mVHigh Point : 1052.13 mV Scale Factor: 1.0 Plot Offset: -40 mV Plot Scale: 1092.4 mV B-11-14 Response [mV] 1000--006 800 700-8:33 +CB -0.72 1.57 C-6 3:70 -4.43 -4.74 -5.17 C-7 -5.62 =5:98 -6.70 TRIFLUO --7.14 -7.67 -8.01 -8.35 -8.67 -8.94 C-8 9.39 -9.88 -10.10 -10.36 -10.67 =11.12 lime [min] -11.79 -12.10 -12.36 =12.75 -13.25 -13.96 -14:26 -14:49 4 -15.13 -15.50 BROMOF -0 -16.04 C-10 1 1 1 -17.58 -17.94 -18.26 -18.80 -19.13 -19.43 $\dot{\alpha}$ -19.86_ -20.38 -20.72 -20.99 21:39 _ -22:22 -22.83 C-12 -23.39 23:78 24.34 24:83

Curtis & Tompkins, Ltd.

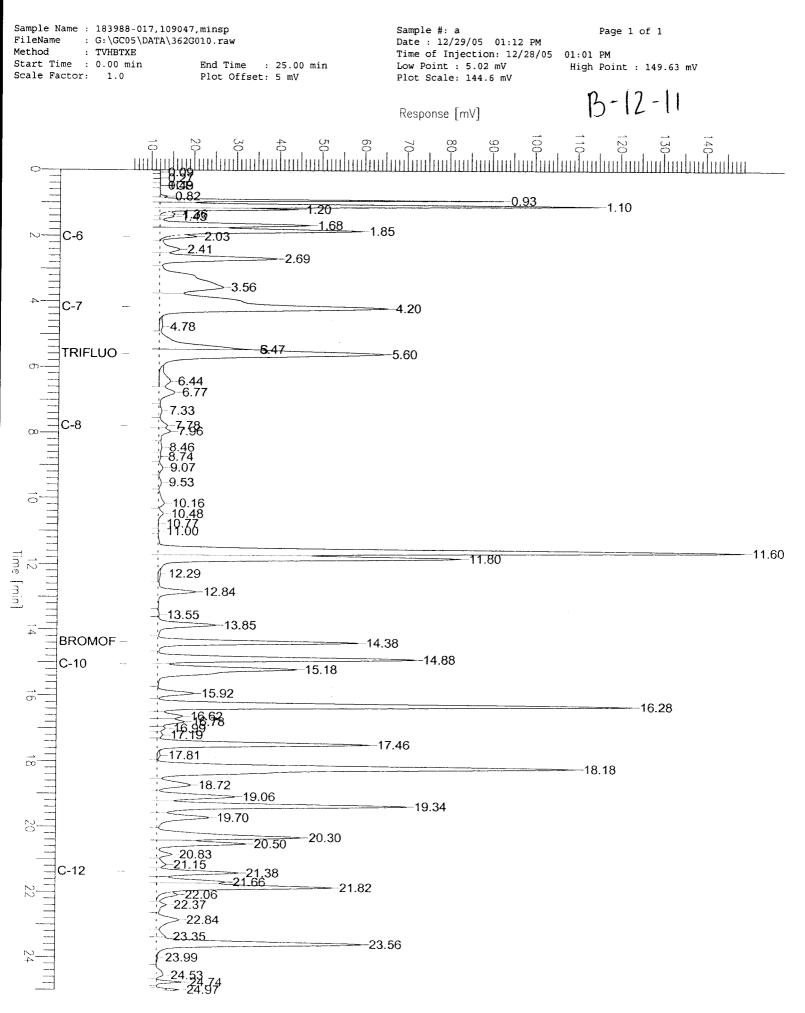
	Curtis & Tom	okins Labo	ratories A	nalyt:	ical Report	
Lab #: Client: Project#:	183988 Weiss Associates 184-1761-01-3	<u> 2220302201, 1962 (m. 1963) (m. 1963)</u>	Location: Prep:		McGrath Steel EPA 5030B	
Matrix: Basis:	Soil as received		Received:		12/22/05	
Field ID: Type: Lab ID: Diln Fac:	B-12-5 SAMPLE 183988-016 1.000		Batch#: Sampled: Analyzed:		109047 12/20/05 12/28/05	
Anal Gasoline C7-C12 Mineral Spirits Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	• · · · · · · · · · · · · · · · · · · ·	Result 6.4 6.2 Y 450 1,000 180 660 220 20 10000 1000 1000 1		RL 0.92 0.92 4.6 4.6 4.6 4.6 4.6 4.6 4.6	Units mg/Kg EPA mg/Kg EPA ug/Kg EPA ug/Kg EPA ug/Kg EPA ug/Kg EPA ug/Kg EPA	A 8015B A 8021B A 8021B A 8021B A 8021B A 8021B
Surrog Trifluorotoluena Bromofluorobenza Trifluorotoluena Bromofluorobenza	e (FID) 12 ene (FID) 10 e (PID) 12	9 62-149 4 63-125	Analy EPA 8015B EPA 8015B EPA 8021B EPA 8021B	vsis		
Field ID: Type: Lab ID: Diln Fac:	B-12-11 SAMPLE 183988-017 1.000		Batch#: Sampled: Analyzed:		109047 12/20/05 12/28/05	
Analy Gasoline C7-C12 Mineral Spirits Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		Result 5.6 5.5 Y 180 9.1 460 220 31		RL 0.92 0.92 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6	Units mg/Kg EPA mg/Kg EPA ug/Kg EPA ug/Kg EPA ug/Kg EPA ug/Kg EPA ug/Kg EPA	8015B 8021B 8021B 8021B 8021B 8021B
Surrog Trifluorotoluena Bromofluorobenza Trifluorotoluena Bromofluorobenza	e (FID) 11 ene (FID) 10 e (PID) 11	7 62-149 5 63-125	Analy EPA 8015B EPA 8015B EPA 8021B EPA 8021B	rsis		

*= 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 Page 6 of 10

Chromatogram



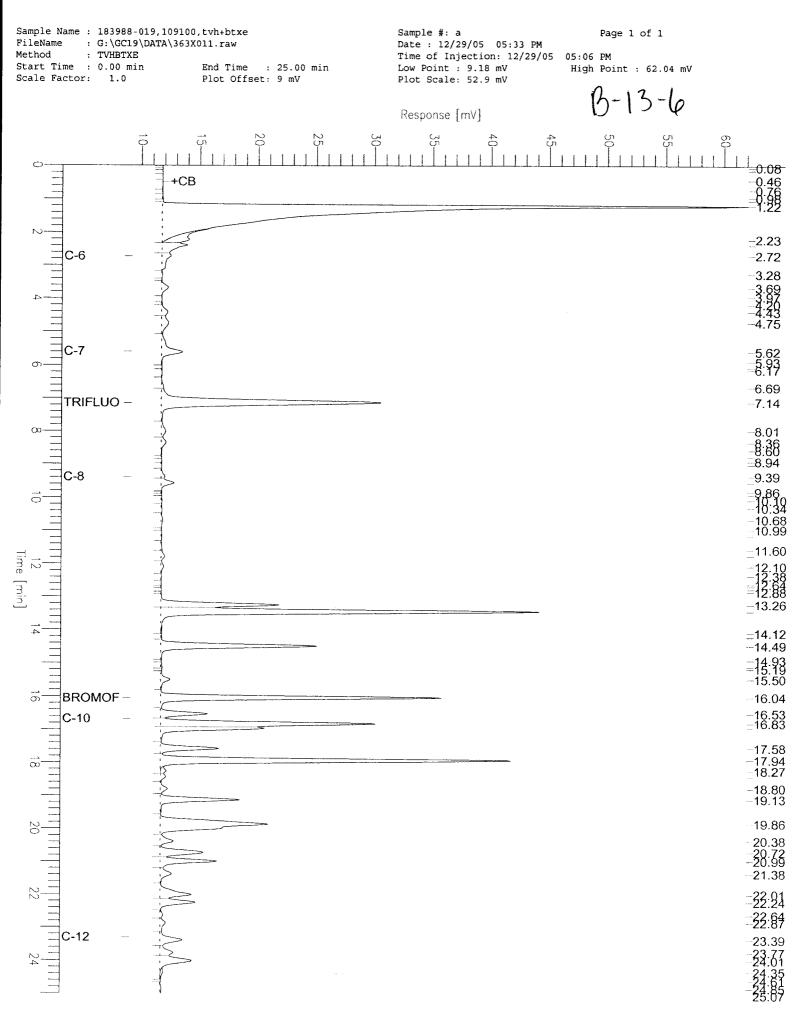
Chromatogram





	Curtis & Tompk	ins Labo:	ratories A	nalyt	ical Repo	rt		
Client: W	83988 eiss Associates 84-1761-01-3		Location: Prep:		McGrath St EPA 5030B	teel		<u>den (, 1999, 2000, 200, 201, 201, 201</u>
Matrix: S	s received		Received:		12/22/05	· · · · · ·		
Type: SA Lab ID: 18	13-6 MPLE 3988-019 000		Batch#: Sampled: Analyzed:		109100 12/21/05 12/29/05			
Analyte Gasoline C7-C12 Benzene		Result 2.3 13 C		RL 0.95 4.8	Units mg/Kg ug/Kg	EPA EPA	8021B	3
Toluene Ethylbenzene m,p-Xylenes o-Xylene		9.5 C 76 250 100		$ \begin{array}{r} 4.8 \\ 4.8 \\ 4.8 \\ 4.8 \\ 4.8 \\ \end{array} $	ug/Kg ug/Kg ug/Kg ug/Kg	ЕРА ЕРА	8021B 8021B	
Surrogat			Analy	vsis				
Trifluorotoluene (Bromofluorobenzene Trifluorotoluene (Bromofluorobenzene	(FID) 126 PID) 101	59-140 62-149 63-125 71-129	EPA 8015B EPA 8015B EPA 8021B EPA 8021B					
Type: SA	13-10 MPLE 3988-020		Batch#: Sampled: Analyzed:		109100 12/21/05 12/29/05	·		
	000		iniary bea.		10, 0, 0, 00			
Analyte Gasoline C7-C12 Benzene Toluene Ethylbenzene m.p-Xylenes	N	Result D 16 57 18 67 28		RL 1.1 5.6 5.6 5.6 5.6 5.6 5.6	Units mg/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	EPA EPA EPA EPA	8021B 8021B 8021B 8021B	
o-Xylene Surrogat	e %RE(Analy		uy/ny	<u>BFA</u>	0021D	
Trifluorotoluene (Bromofluorobenzene Trifluorotoluene (Bromofluorobenzene	FID) 105 (FID) 126 PID) 100	59-140 62-149 63-125 71-129	EPA 8015B EPA 8015B EPA 8021B EPA 8021B	• • • • • • • • • • • • • • • • • • •				

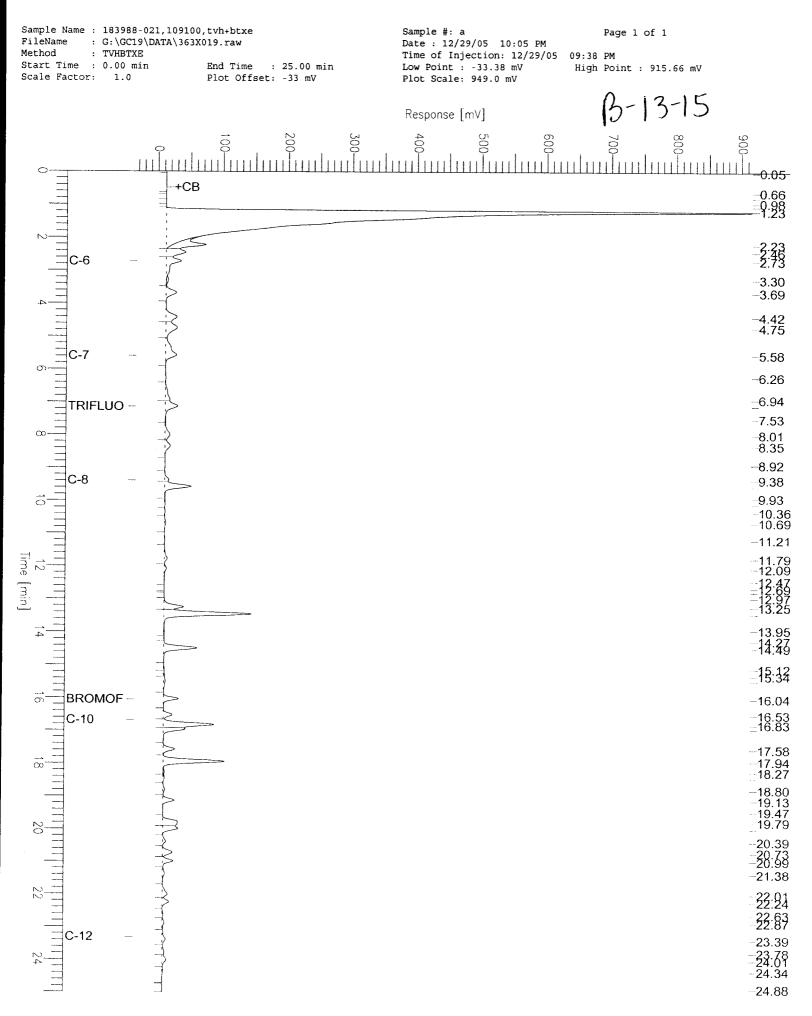
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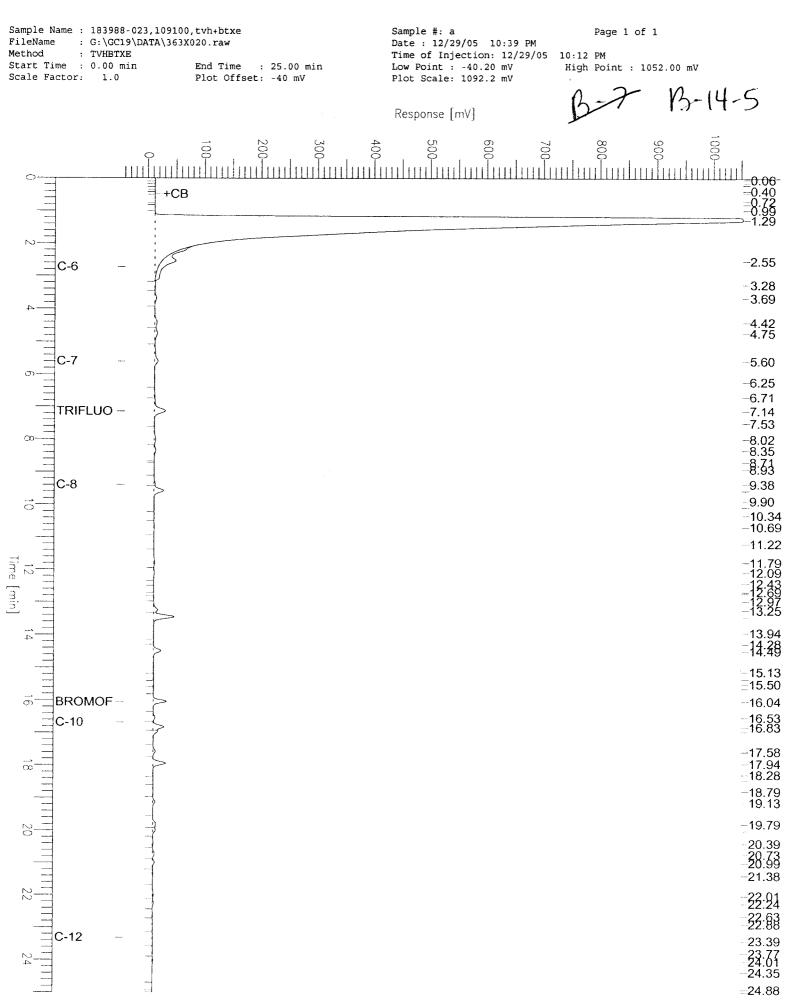


Curtis & Tompkins, Ltd.

	Curtis & To	mpkins Labo:	ratories .	Analy	cical Report	
Lab #: Client: Project#:	183988 Weiss Associat 184-1761-01-3	es	Location: Prep:		McGrath Steel EPA 5030B	
Matrix: Basis:	Soil as received		Received		12/22/05	
Field ID: Type: Lab ID: Diln Fac:	B-13-15 SAMPLE 183988-021 50.00		Batch#: Sampled: Analyzed:		109100 12/21/05 12/29/05	
	yte	Result		RL	Units Analysis	
Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		500 1,700 C 19,000 12,000 53,000 20,000		50 250 250 250 250 250	mg/Kg EPA 8015B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B	
Surro	ant a	%REC Limits	<u> </u>	ysis		
Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) zene (FID) ne (PID)	transmission transmission 116 59-140 118 62-149 103 63-125 116 71-129	EPA 8015B EPA 8015B EPA 8021B EPA 8021B	.ya18		
Field ID: Type: Lab ID: Diln Fac:	B-14-5 SAMPLE 183988-023 25.00		Batch#: Sampled: Analyzed:		109100 12/21/05 12/29/05	
Anal Gasoline C7-C12		Result 72		<u>RL</u> 25	Units Analysis mg/Kg EPA 8015B	
Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		620 C 3,600 1,400 7,000 2,600		130 130 130 130 130 130	ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B ug/Kg EPA 8021B	
Surro	vate	%REC Limits		ysis		
Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	ne (FID) zene (FID) ne (PID)	SKRC Himits 117 59-140 123 62-149 98 63-125 116 71-129	EPA 8015B EPA 8015B EPA 8021B EPA 8021B	. <u>79</u> 79		

*= 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 Page 8 of 10

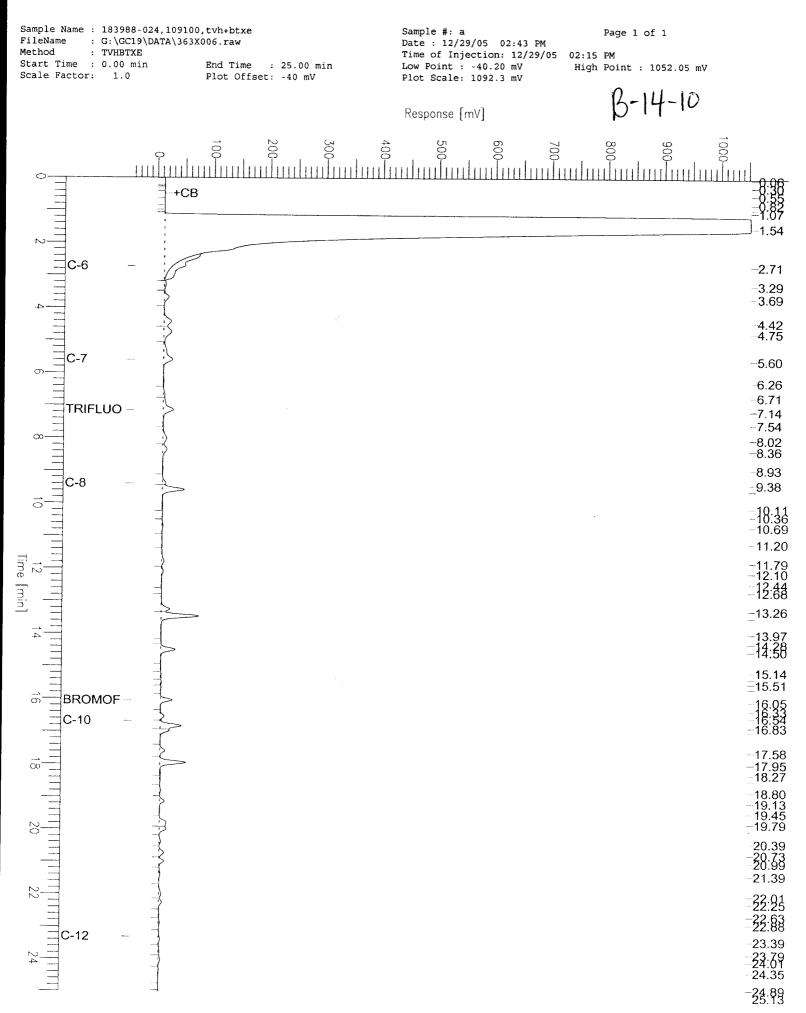




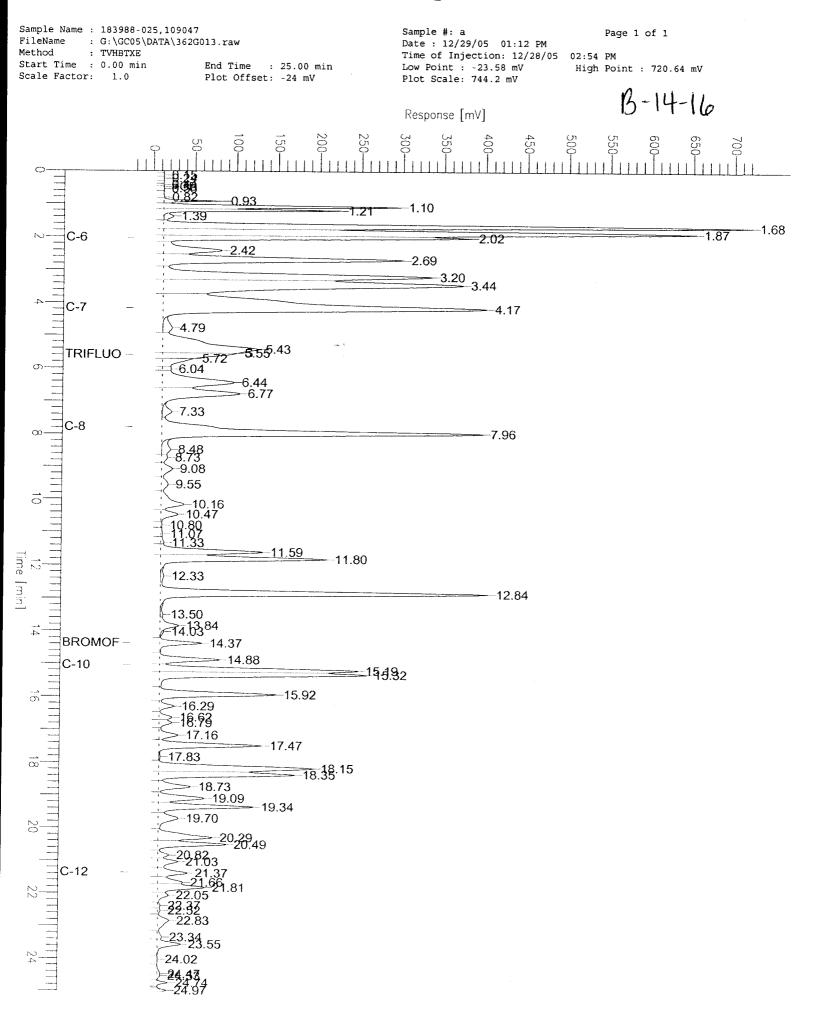


	Curtis & Ton	npkins Labo	ratories A	nalyt.	ical Repo	rt	
Lab #: Client: Project#:	183988 Weiss Associate 184-1761-01-3	s	Location: Prep:	<u>, 2007, 200</u> , 200, 200, 200, 200, 200, 200, 20	McGrath St EPA 5030B	zeel	
Matrix: Basis:	Soil as received		Received:		12/22/05		
Field ID: Type: Lab ID: Diln Fac:	B-14-10 SAMPLE 183988-024 10.00		Batch#: Sampled: Analyzed:		109100 12/21/05 12/29/05		
Anal Gasoline C7-C12		Result 61		RL 10	Units	Anal EPA 8015B	ysis
Benzene Toluene Ethylbenzene		590 C 3,300 1,200		50 50 50	ug/Kg ug/Kg ug/Kg	EPA 8021B EPA 8021B EPA 8021B	
m,p-Xylenes o-Xylene		5,300 2,100		50 50		EPA 8021B EPA 8021B	
Surro	gate	REC Limits	Anal	vsis			
Trifluorotoluen Bromofluorobenz Trifluorotoluen Bromofluorobenz	e (FID) 1 ene (FID) 1 e (PID) 1	30 59-140 09 62-149 12 63-125 12 71-129	EPA 8015B EPA 8015B EPA 8021B EPA 8021B				
Field ID: Type: Lab ID: Diln Fac:	B-14-16 SAMPLE 183988-025 1.000		Batch#: Sampled: Analyzed:		109047 12/21/05 12/28/05		
Anal		Result		RL	Units	Anal	
Gasoline C7-C12 Benzene		27 750		0.92 4.6		EPA 8015B EPA 8021B	
Toluene		1,400		4.6		EPA 8021B	
Ethylbenzene m,p-Xylenes o-Xylene		370 590 1,200		4.6 4.6 <u>4.6</u>	ug/Kg	EPA 8021B EPA 8021B EPA 8021B	
Surro	gate	REC Limits	Analy	vsis			
Trifluorotoluen Bromofluorobenz Trifluorotoluen Bromofluorobenz	e (FID) 1 ene (FID) 1 e (PID) 1	20 59-140 18 62-149 38 * 63-125 01 71-129	EPA 8015B EPA 8015B EPA 8021B EPA 8021B				

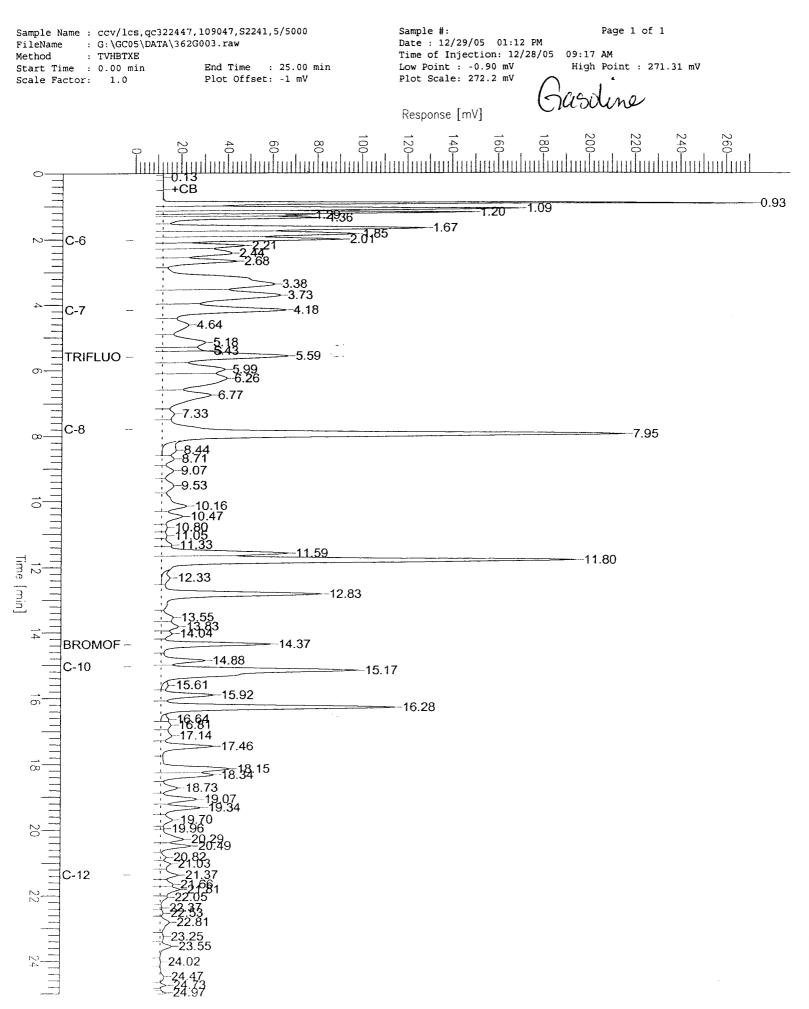
*= Value outside of QC limits; see narrative C= Presence confirmed, but RPD between columns exceeds 40% Y= Sample exhibits chromatographic pattern which does not resemble standard ND= Not Detected RL= Reporting Limit Page 9 of 10

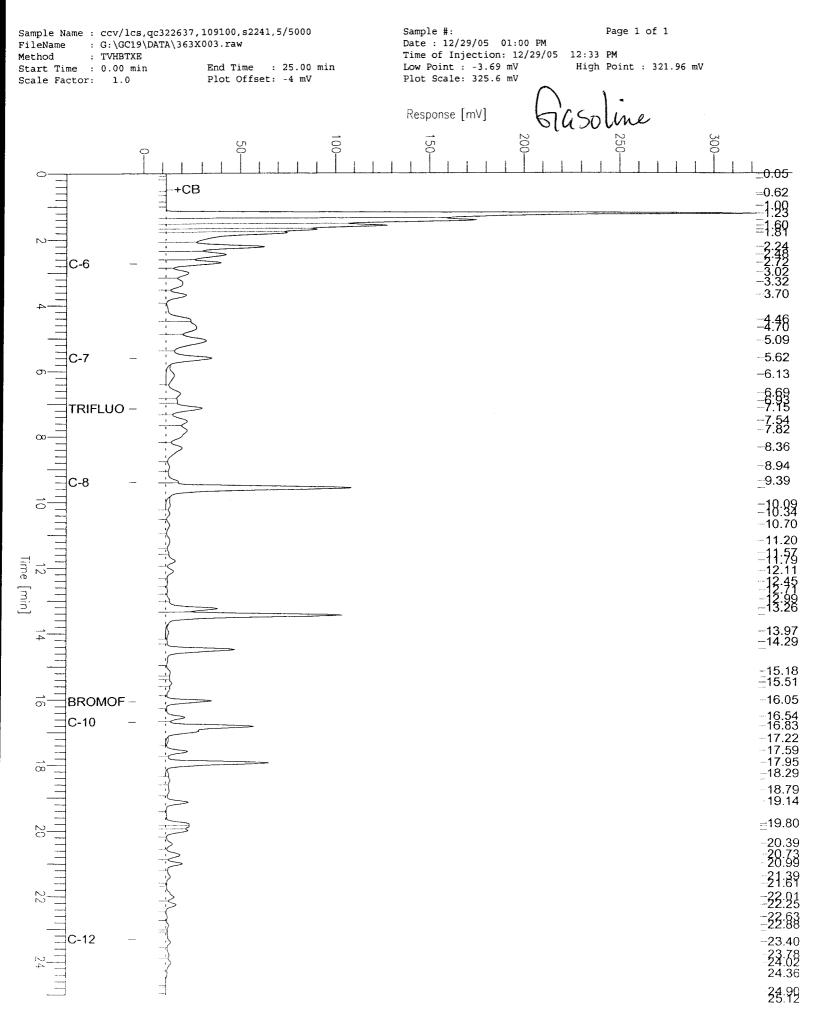


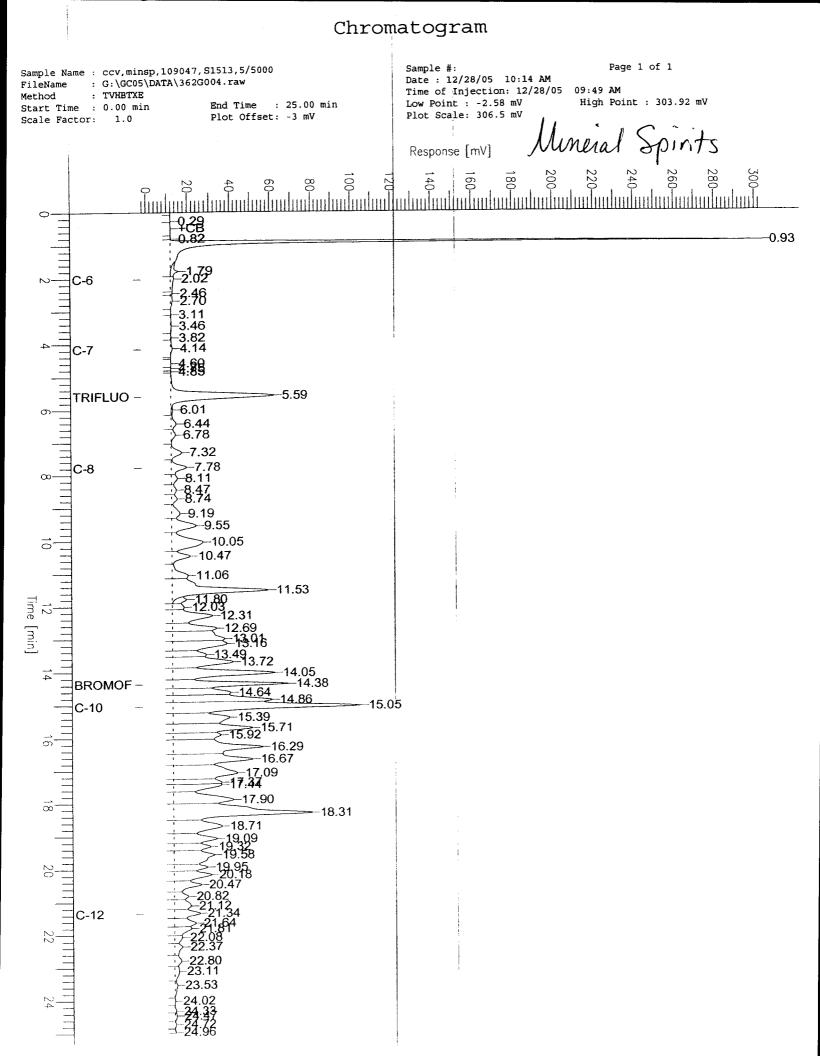
Chromatogram



Chromatogram









	Curtis & T	ompki	ns Labo	ratories	Analyt	ical Repo	ort	
Lab #: Client: Project#:	183988 Weiss Associa 184-1761-01-3	tes		Locatior Prep:	1:	McGrath S EPA 5030B		
Matrix: Basis:	Soil as received			Received	1:	12/22/05		
Type: Lab ID: Diln Fac:	BLANK QC322445 1.000			Batch#: Analyzed	:	109047 12/28/05		
Ana Gasoline C7-C1 Mineral Spirits Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		F ND ND ND ND ND ND	Result		RL 1.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	mg/Kg ug/Kg ug/Kg ug/Kg ug/Kg	Ana EPA 8015B EPA 8015B EPA 8021B EPA 8021B EPA 8021B EPA 8021B EPA 8021B	
Surre Trifluorotoluer Bromofluorobenz Trifluorotoluer Bromofluorobenz	zene (FID) ne (PID)	%REC 102 109 94 98	Limits 59-140 62-149 63-125 71-129	Ana EPA 8015B EPA 8015B EPA 8021B EPA 8021B				
Type: Lab ID: Diln Fac:	BLANK QC322635 1.000			Batch#: Analyzed	:	109100 12/29/05		
Anal Gasoline C7-C12 Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene		R ND ND ND ND ND ND	esult		RL 1.0 5.0 5.0 5.0 5.0 5.0 5.0	ug/Kg ug/Kg ug/Kg ug/Kg	Ana: EPA 80151 EPA 80211 EPA 80211 EPA 80211 EPA 80211 EPA 80211	3 3 3 3
Surro Trifluorotoluen Bromofluorobenz Trifluorotoluen Bromofluorobenz	e (FID) ene (FID) e (PID)	% REC 87 113 91 109	Limits 59-140 62-149 63-125 71-129	Ana EPA 8015B EPA 8015B EPA 8021B EPA 8021B	lysis			

- *= 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 Page 10 of 10



	Curtis & Tompk	ins Labor	atories Ana	alytical	Report	
Lab #:	183988		Location:	McGr	ath Steel	
Client:	Weiss Associates		Prep:	EPA	5030B	
Project#:	184-1761-01-3		Analysis:	EPA	8021B	
Туре:	LCS		Basis:	as r	eceived	
Lab ID:	QC322446		Diln Fac:	1.00	0	
Matrix:	Soil		Batch#:	1090	47	
Units:	ug/Kg		Analyzed:	12/2	8/05	x x 101-07-0-00-00-00-00-00-00-00-00-00-00-00-0
Ana	lyte	Spiked	R	esult	%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
ſ	Trifluorotoluene (PID)	101	63-125
	Bromofluorobenzene (PID)	106	71-129



	Curtis & Tompkins	Laboratories Ana	lytical Report
		Suboratories Ana.	rytical 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 & Tompk					
Lab #:	183988		Location:	McGı	rath Steel	1
Client:	Weiss Associates		Prep:	EPA	5030B	
Project#:	184-1761-01-3		Analysis:	EPA	8021B	
Type:	LCS		Basis:	as 1	ceceived	
Lab ID:	QC322636		Diln Fac:	1.00	00	
Matrix:	Soil		Batch#:	1091	.00	
Units:	ug/Kg		Analyzed:	12/2	29/05	
An	alyte	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



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

Gasoline C7-C12	10.00	10.05	101	80-120	
		······································			

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



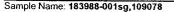
	Curtis & Tompkins	Laboratories Ana	lytical Report
Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Field ID:	B-11-5	Diln Fac:	1.000
MSS Lab ID:	183988-012	Batch#:	109100
Matrix:	Soil	Sampled:	12/21/05
Units:	mg/Kg	Received:	12/22/05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

Type:	MS			Lab ID:	QC32	2725		
A	nalyte	MSS R	esult	Spiked		Result	%REC	Limits
Gasoline C7	-C12		0.1470	10.10		7.563	73	44-120
S	urrogate	%REC	Limits					
Trifluoroto	luene (FID)	139	59-140					
Bromofluoro	benzene (FID)	131	62-149					
Type:	MSD			Lab ID:	QC322	2726		
	MSD Analyte		Spiked		QC32:	2726 %REC	Limits	RPD Lim
	Analyte		Spiked 10.64				Limits 44-120	RPD Lim 22 23
Gasoline C7	Analyte	%REC			esult	%REC		
Gasoline C7	Analyte -C12 urrogate	%REC 121	10.64		esult	%REC		

Curtis & Tompkins, Ltd.

		m., .		
	Total	Extracta	able Hydrocarbo	ons
T = 1= 10				
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
fype:	SAMPLE		Analyzed:	12/20/05
Lab ID:	183988-001		Cleanup Method:	
Diln Fac:	1.000		creanup mernou:	BEA 3030C
	2.000			
Anal	.yte	Result	RL	
Diesel C10-C24		2,300 L	50	
Surro				
Hexacosane	95	60-135		
Field ID:	B-9-W		Sampled:	12/20/05
fype:	SAMPLE		Analyzed:	12/30/05
Lab ID:	183988-004		Cleanup Method:	EPA 3630C
Diln Fac:	1.000			
Anal	vte	Result	RL	
Diesel C10-C24	•	770 L Y		
			50	
Surro	gate %REC	: Limits		
Hexacosane	94	60-135		C
Field ID:	B-10-W		Compled	10/00/05
Type:	SAMPLE		Sampled:	12/20/05
Lab ID:	183988-007		Analyzed:	12/30/05
Diln Fac:	1.000		Cleanup Method:	EPA 3630C
STIN LOC!	T.000			
Anal	yte	Result	RL	
Diesel C10-C24	•	99 L Y		
- · ·		1	50	
Surro	gate %REC	Limits		
Hexacosane	93	60-135		
L= Lighter hydr	ocarbons contributed	to the qua	ntitation	
	its chromatographic p	attern whi	ch does not resem	ble standard
ND= Not Detected				
RL= Reporting Li	nit			

RL= Reporting Limit Page 1 of 3

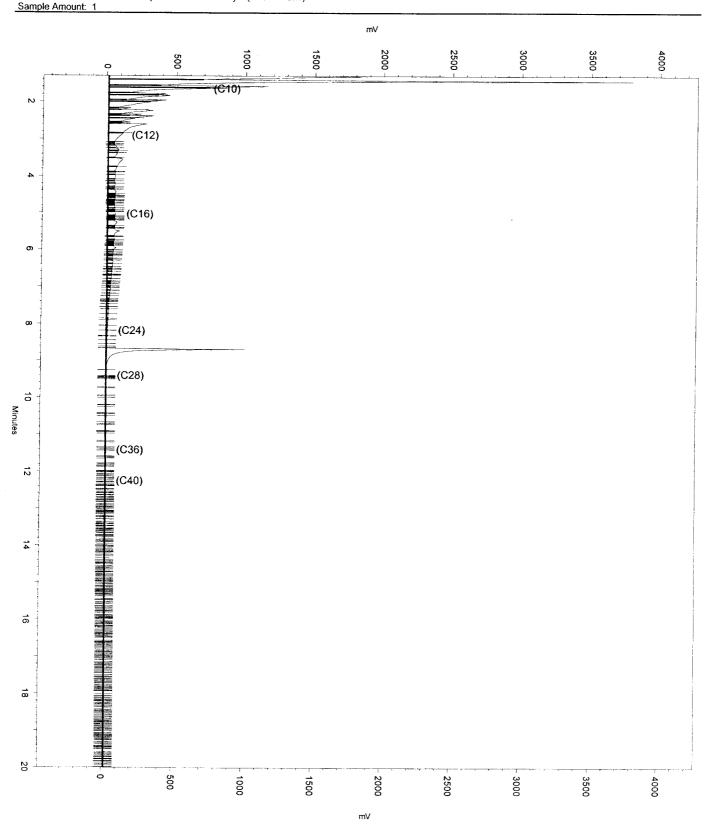


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Sequence File: \\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\363.seq Software Version 3.1.7

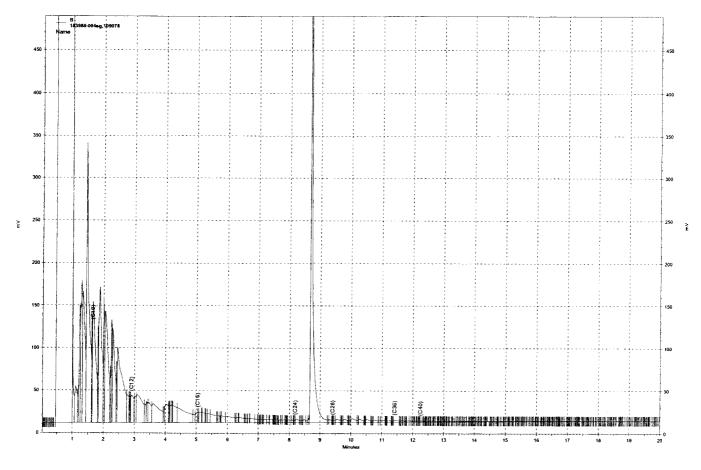
Method Name: \Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met Run Date: 12/30/2005 4:08:20 AM Analysis Date: 12/30/2005 9:09:42 AM

Instrument: GC15B Vial: 34 Operator: Teh 3. Analyst (lims2k3\teh3)



B-8-W

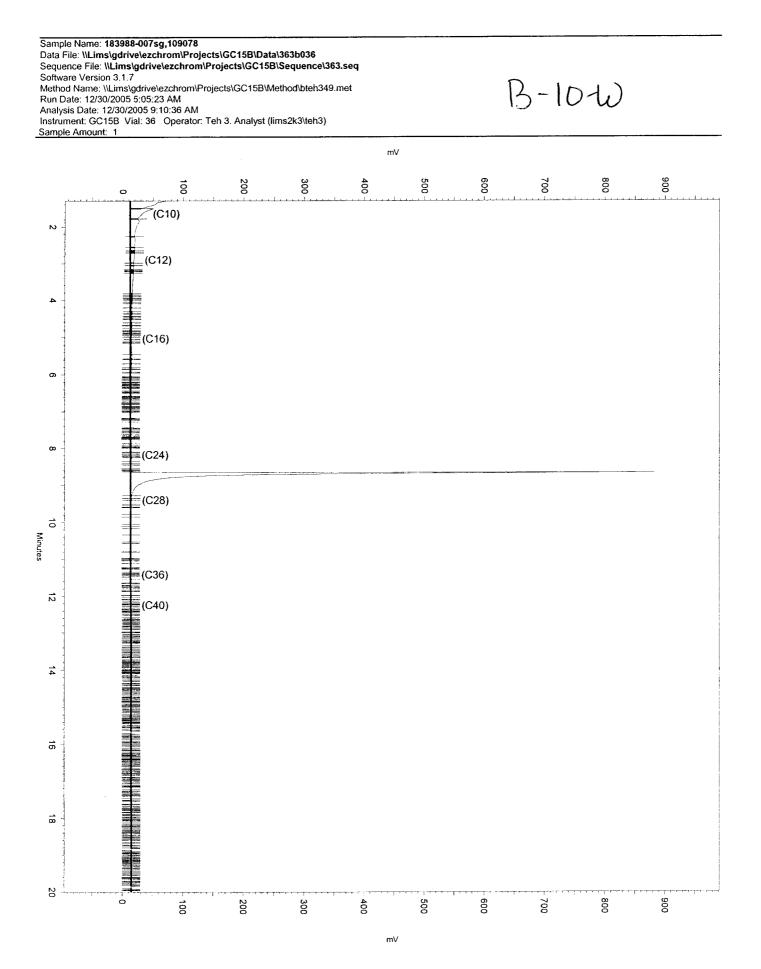
Page 2 of 2 (56)



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

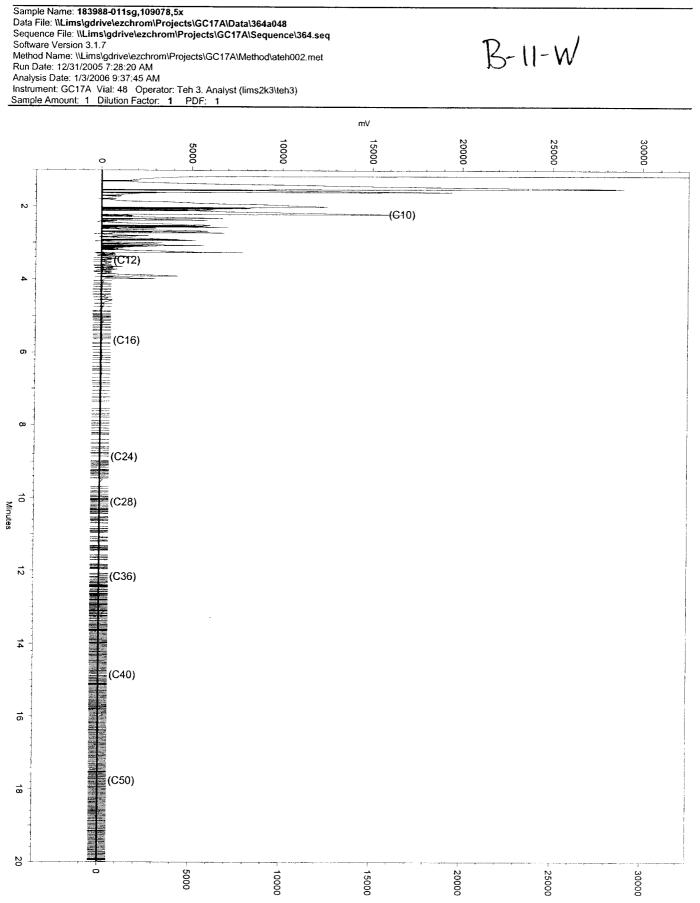
183988-004 g, 109078

B-g-W



CUT Curtis & Tompkins, Ltd.

	Tota	l Extracta	ble Hydrocarbo	ns
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
Гуре:	SAMPLE		Analyzed:	12/31/05
Lab ID:	183988-011		Cleanup Method:	EPA 3630C
Diln Fac:	5.000		-	
Ana Diesel C10-C24	lyte	Result 100,000 L Y	RL 250	
		200,000 21 -		
***************************************	ogate %R	EC 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			
Ana Diesel C10-C24	lyte	Result 20,000 L Y	RL 50	
Surro	ogate %R	EC Limits		
Hexacosane	72	60-135		
Field ID: Type: Lab ID: Diln Fac:	B-13-W SAMPLE 183988-018 1.000		Sampled: Analyzed: Cleanup Method:	12/21/05 12/30/05 EPA 3630C
Ana Diesel Cl0-C24	lyte	Result 13,000 L Y	RL 50	
Surro	ogate %R	EC Limits		
Hexacosane	91	60-135		
				ble standard
<u>ب</u>				10.0



mV

Page 2 of 2

Sample Name: 183988-015sg,109078

Data File: \\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b038

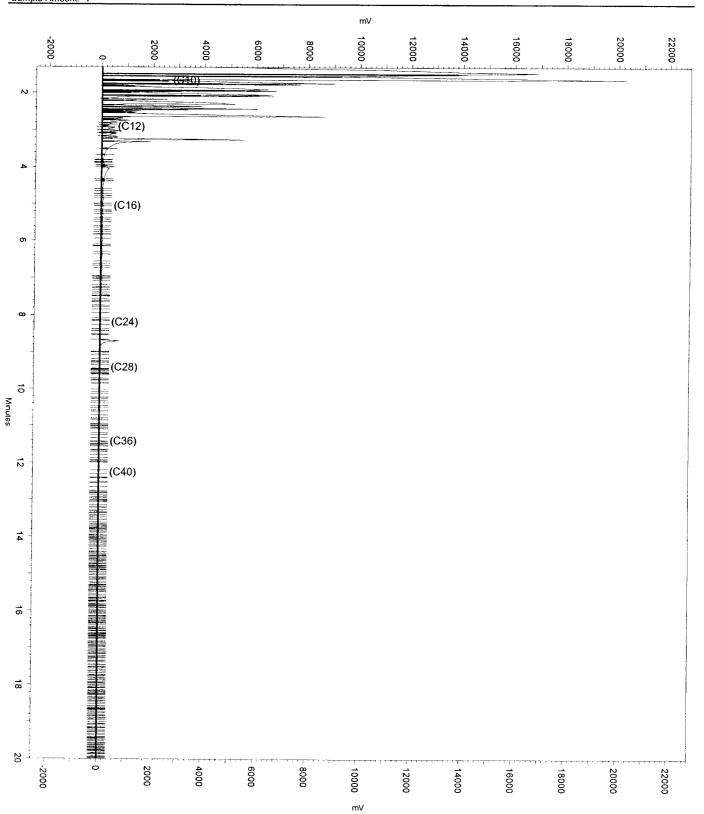
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Software Version 3.1.7 Method Name: \LLims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met Run Date: 12/30/2005 6:02:22 AM

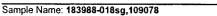
Analysis Date: 12/30/2005 9:12:15 AM

Instrument: GC15B Vial: 38 Operator: Teh 3. Analyst (lims2k3\teh3)

Sample Amount: 1



B-12-W



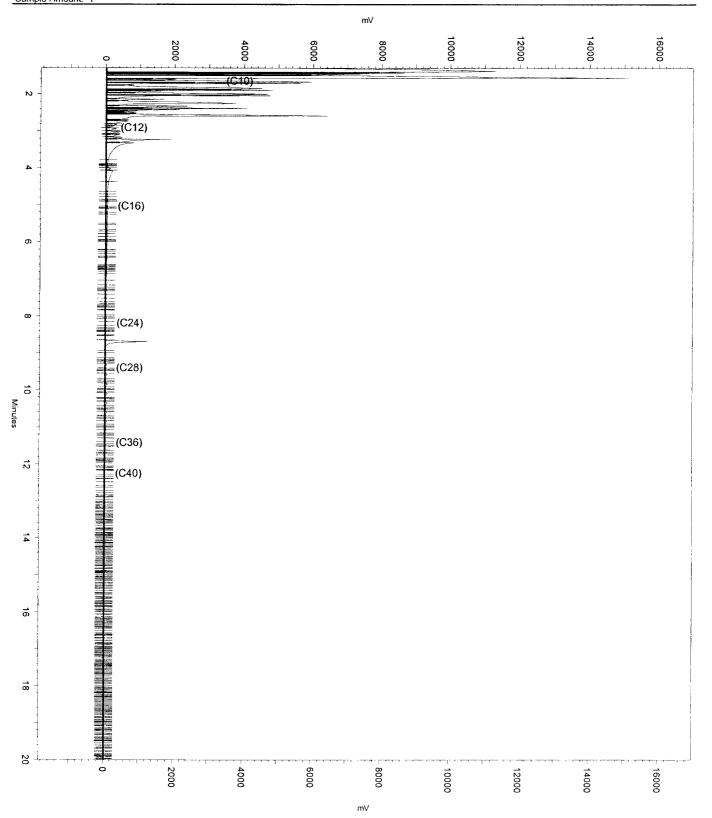
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Method Name: \\Lims\gdrive\ezchrom\Projects\GC15B\Method\bteh349.met

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.

	Tat-1	Fatan-	blo Undesserbe	
	IOLAI	. EXCLACIA	ble Hydrocarbo	ons
Lab #:	183988		Location:	M-C
Client:	Weiss Associates			McGrath Steel
Project#:	184-1761-01-3		Prep:	EPA 3520C
Matrix:	Water		Analysis:	EPA 8015B
Units:	ug/L		Received:	12/22/05
Batch#:	109078		Prepared:	12/28/05
Baccii#:	109078	· · · · · · · · · · · · · · · · · · ·	······································	
Field ID:	B-14-W		Sampled:	12/21/05
Гурe:	SAMPLE		Analyzed:	12/30/05
Lab ID:	183988-022		Cleanup Method:	EPA 3630C
Diln Fac:	1.000			
Anal	.yte	Result	RL	
Diesel C10-C24		1,600 L Y	Z 50	
Surro	ogate %RE	C Limits		
Hexacosane	83	60-135		
Field ID:	MW - 3		Sampled:	12/20/05
Гуре:	SAMPLE		Analyzed:	12/30/05
Lab ID:	183988-026		Cleanup Method:	
Diln Fac:	1.000		r	
Anal	yte	Result	RL	
Diesel C10-C24		2,600 L Y		
Surro	gate %RE	C Limits		
Hexacosane	93	60-135		
Type:	BLANK		Analyzed:	12/30/05
Lab ID:	QC322552		Cleanup Method:	EPA 3630C
Diln Fac:	1.000			
Anal	yte	Result	RL	
Diesel C10-C24]	ND	50	
Surro	gate %RE	C Limits		
Hexacosane	110	60-135		
L= Lighter hvdr	ocarbons contributed	to the mua	ntitation	

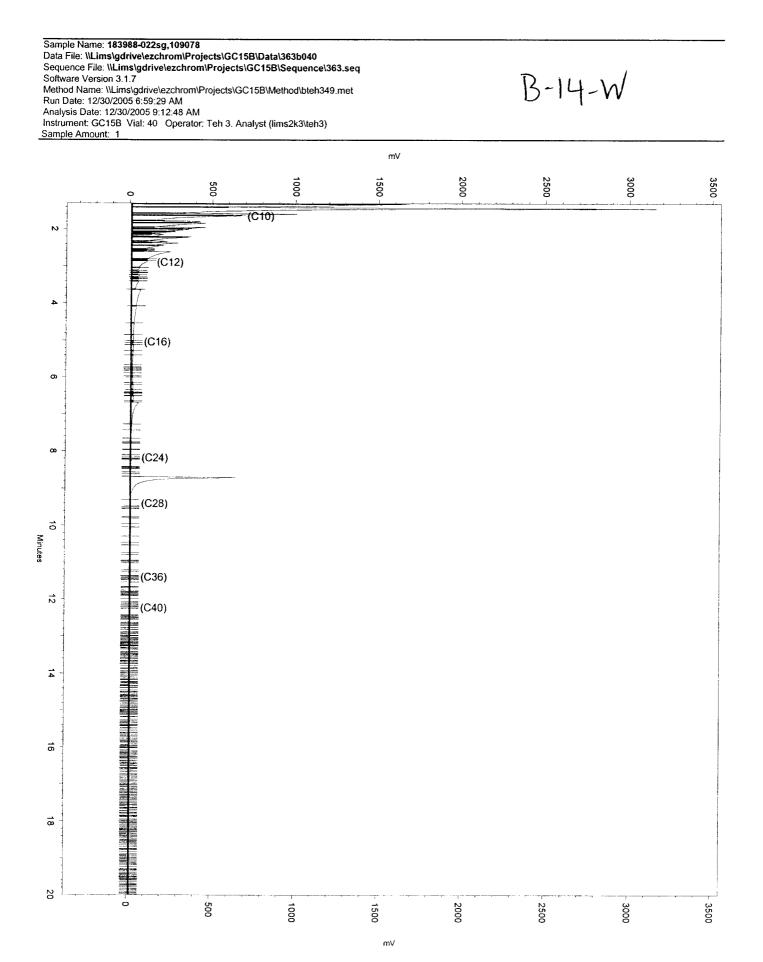
L= Lighter hydrocarbons contributed to the quantitation

Y= Sample exhibits chromatographic pattern which does not resemble standard

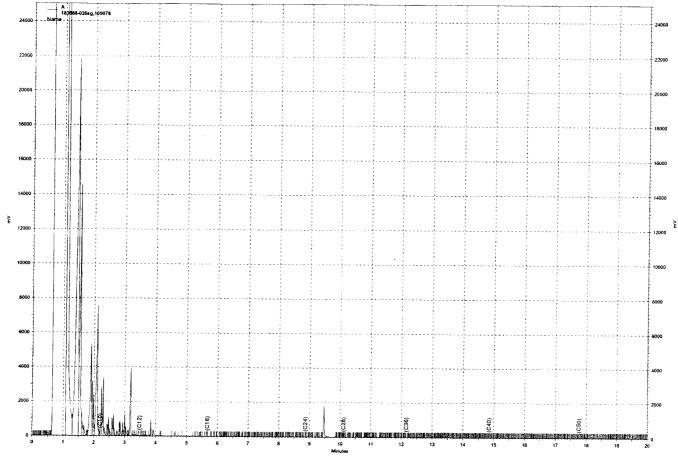
ND= Not Detected

RL= Reporting Limit

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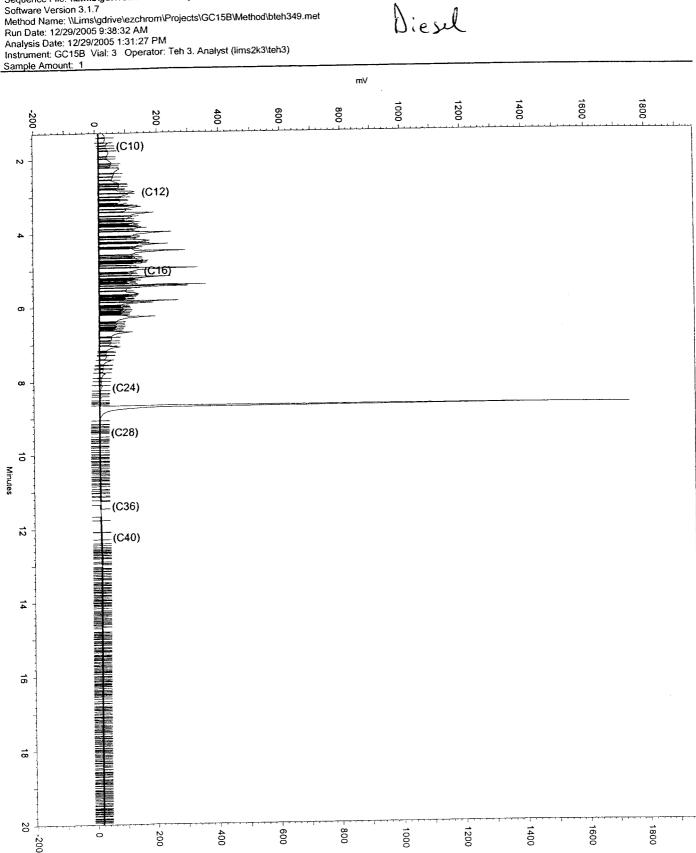
Page 2 of 2 (68)



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

183988-026 sg, 109078

MW-3



m٧

Sample Name: ccv,S2269,ds1_500 Data File: \\Lims\gdrive\ezchrom\Projects\GC15B\Data\363b003 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC15B\Sequence\363.seq



	1	Fotal	Extracta	able Hydrocarbo	ns			
Lab #:	183988			Location:	McGrath Stee	:1		
Client:	Weiss Associa	ates		Prep:	EPA 3520C			
Project#:	184-1761-01-3	3		Analysis:	EPA 8015B			
Matrix:	Water			Batch#:	109078			
Units:	ug/L			Prepared:	12/28/05			
Diln Fac:	1.000			Analyzed:	12/30/05			
Гуре: Lab ID:	BS QC322553			Cleanup Method:	EPA 3630C			
Ana Diesel C10-C24	lyte		Spiked 2,500	Result 1,995	: %REC 80	Limits 53-138		
			_,	_,				
Surr	ogate	%REC	. Limits					
Hexacosane		84	60-135					<u>anana dia 1</u>
Гуре: Lab ID:	BSD QC322554			Cleanup Method:	EPA 3630C			
Ana	lyte		Spiked	Result	%REC	Limits	RPD 1	Lim
Diesel C10-C24			2,500	2,147	86	53-138		36
	ogate	%REC						
Hexacosane		92	60-135					



	Tota	l Extracta	ble Hydrocarbo	ns
Lab #:	183988		Location:	McGrath Steel
Client:	Weiss Associates		Prep:	SHAKER TABLE
<u>Project#:</u> Matrix:	<u>184-1761-01-3</u> Soil		Analysis:	EPA 8015B
Units:	mg/Kg		Basis: Received:	as received 12/22/05
Field ID:	B-8-5		Sampled:	12/20/05
Type: Lab ID:	SAMPLE 183988-002		Prepared:	12/29/05
Diln Fac:	1.000		Analyzed: Cleanup Method:	12/31/05 EPA 3630C
Batch#:	109117		ereanap neenear	
Ana	lyte	Result	RL	
Diesel C10-C24		91	1.	.0
Surr	ogate %R	EC Limits		
Hexacosane	95	48-132	······	
Field ID:			e 1.1	
Field ID: Type:	B-8-10 SAMPLE		Sampled: Prepared:	12/20/05 12/29/05
Lab ID:	183988-003		Analyzed:	12/31/05
Diln Fac:	1.000		Cleanup Method:	EPA 3630C
Batch#:	109117			
	lyte	Result	RL	
Diesel C10-C24		340	1.	0
		EC Limits		
Hexacosane	93	48-132		
Field ID:	B-9-6		Sampled:	12/20/05
Fype:	SAMPLE		Prepared:	12/29/05
Lab ID: Diln Fac:	183988-005		Analyzed:	12/31/05
Batch#:	1.000 109117		Cleanup Method:	EPA 3630C
	1			
Diesel C10-C24	lyte	Result 3.7 Y		0
	ogate %R	······································		-
Hexacosane	ogate %R 109			
Field ID:	B-9-11		Sampled:	12/20/05
Type: Lab ID:	SAMPLE 183988-006		Prepared:	12/29/05
Diln Fac:	5.000		Analyzed: Cleanup Method:	12/30/05 EPA 3630C
Batch#:	109117		ereamp neemou.	
Ana	lyte	Result	RL	
Diesel C10-C24		7.4 H		0
Surre	ogate %R	EC Limits		
Hexacosane	79 79	48-132		
H= Heavier hydr	cocarbons contributed	d to the quar	ntitation	
L= Lighter hydi	cocarbons contributed pits chromatographic	d to the man	ntitation	hle standard
	on on on out of a philo	PACLETI WILL(TH ADES HOL LESEU	NTC PLAHUALA

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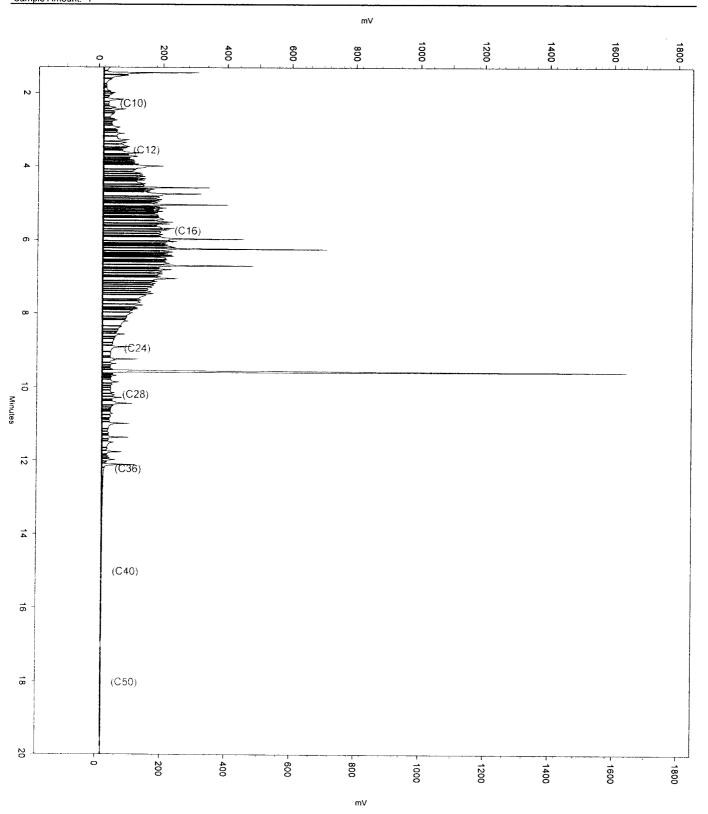
Y= Sample exhibits chromatographic pattern which does not resemble standard ND= Not Detected RL= Reporting Limit Page 1 of 5

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

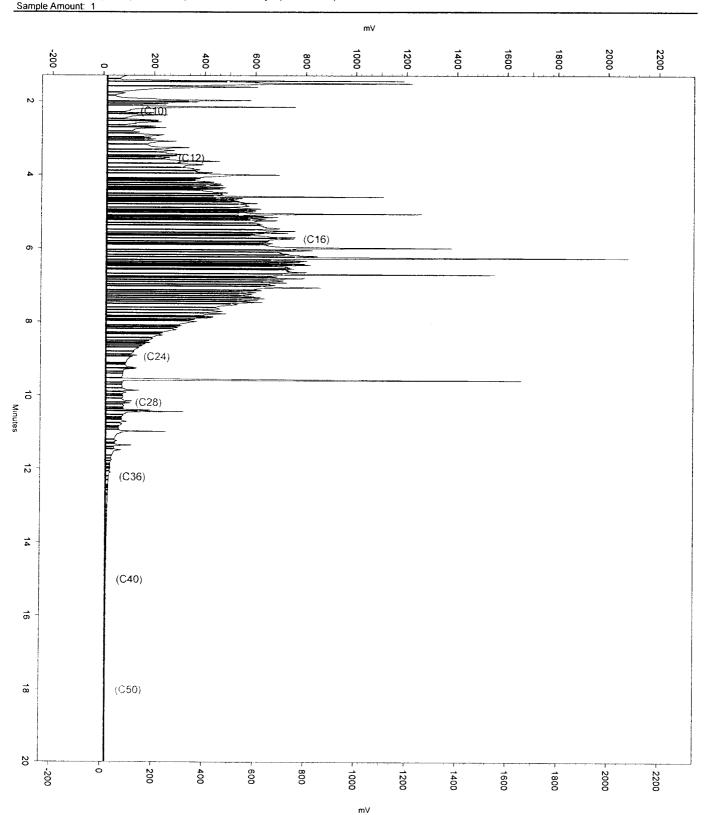


B-8-5

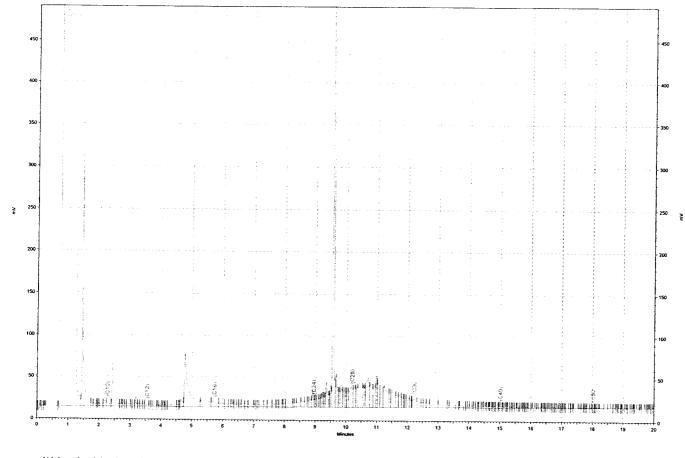
Page 2 of 2 (32)

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

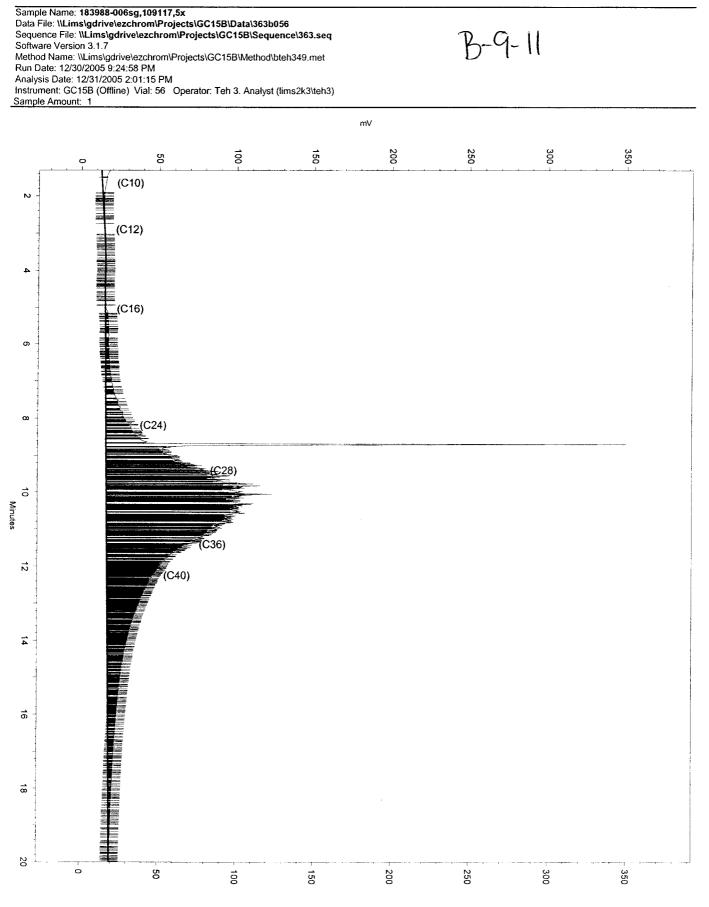
Analysis Date: 12/31/2005 3:17:56 PM Instrument: GC13B (Offline) Vial: 64 Operator: Teh 2. analyst (lims2k3\teh2)



B-8-10



B-9-6

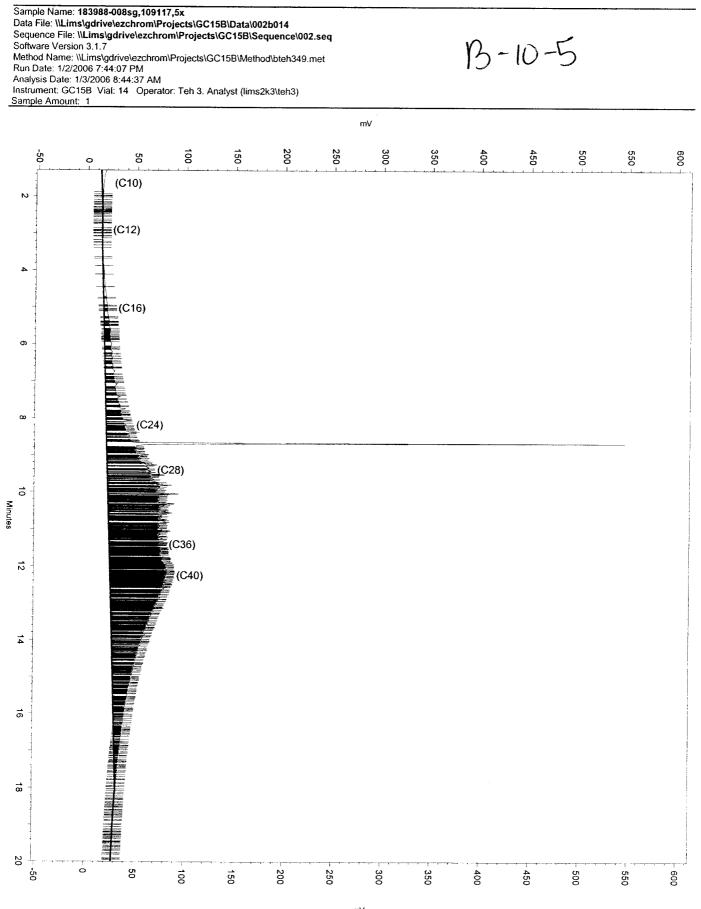


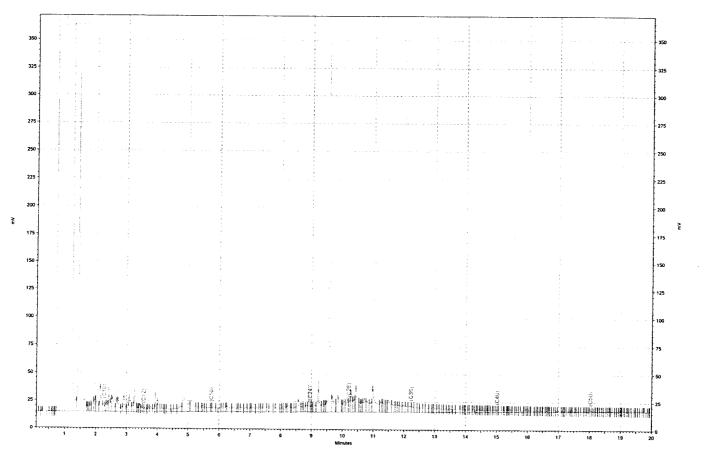
Page 2 of 2 (18)

mV



	Tot.	al Extract	able Hydrocarbo	ons
Tab #.	102000			
Lab #:	183988		Location:	McGrath Steel
Client:	Weiss Associates	5	Prep:	SHAKER TABLE
Project#:	184-1761-01-3		Analysis:	EPA 8015B
Matrix:	Soil		Basis:	as received
Units:	mq/Kq		Received:	12/22/05
		••••••••••••••••••••••••••••••••••••••		12/22/03
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		.	
An Diesel C10-C2	alyte 4	Result 16 H	RL Y 5	.0
		20 11	- 5	.0
	rogate %	REC Limits		
Hexacosane	10	8 48-132		
Field ID:	B-10-10		Sampled:	12/20/05
Type:	SAMPLE		Prepared:	12/29/05
Lab ID:	183988-009		Prepared:	12/29/05
Diln Fac:	1.000		Analyzed:	12/31/05
Batch#:			Cleanup Method:	EPA 3630C
balcii#:	109117			
An	alyte	Result	RL	
Diesel C10-C2	4	3.4	and the second	. 0
Com	rogate %			
Hexacosane	10gate 8	REC Limits 3 48-132		
Field ID: Type: Lab ID: Diln Fac: Batch#:	B-10-15 SAMPLE 183988-010 1.000 109117		Sampled: Prepared: Analyzed: Cleanup Method:	12/20/05 12/29/05 12/31/05 EPA 3630C
Diesel C10-C24	alyte 4	Result 8.3	RL LY 1.	.0
			·····	
Hexacosane	cogate %1 102	REC Limits 2 48-132		
Field ID:	D 11 C			
	B-11-5 SAMDLE		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			
Ana Diesel C10-C24	ilyte	Result 4.9 Y	RL 2 0.	99
Hexacosane	togate %R 104	EC Limits 48-132		
L= Lighter hyd	lrocarbons contribute lrocarbons contribute bits chromatographic d imit	ed to the qua	antitation	ble standard 20.0

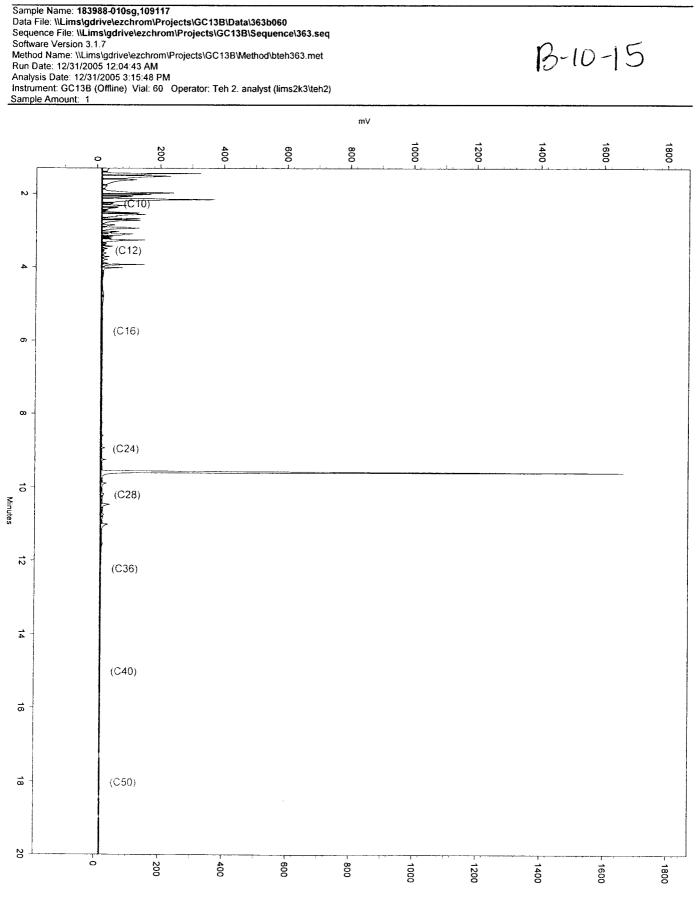




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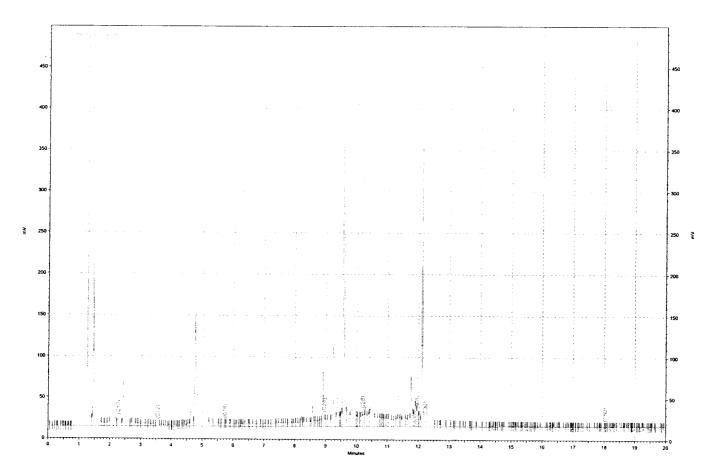
193988-009 sg, 109117

B-10-10



mV

Page 2 of 2 (28)



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

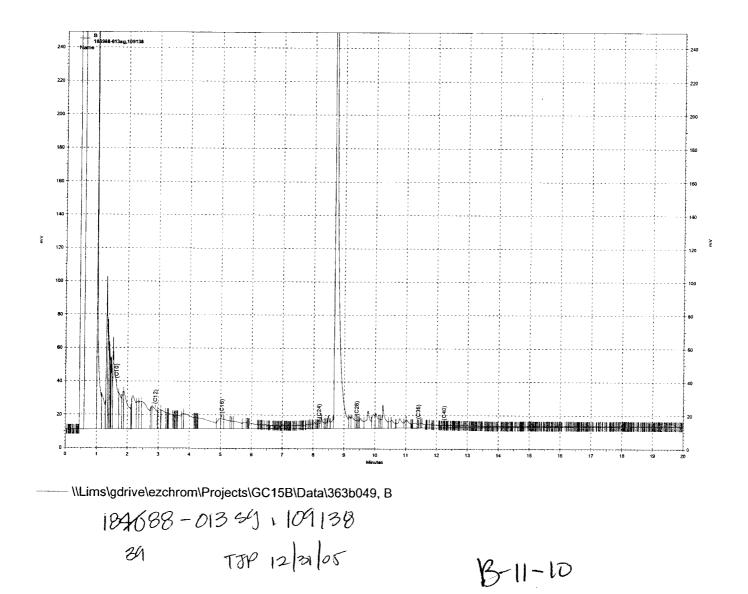
183988 - 012 sg, 109117

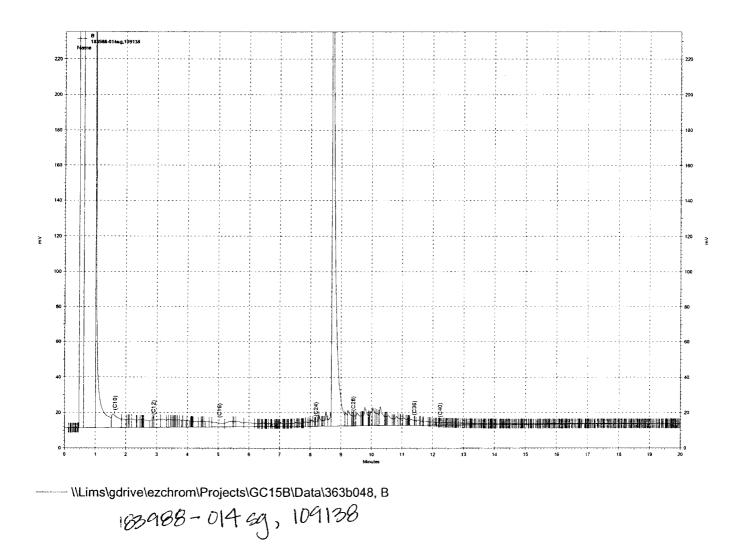
B-11-5 Rillidor



	Tota	Fritzatable Hudmassub	
	ioca.	l Extractable Hydrocarbo	ons
Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
<u>Project#:</u> Matrix:	<u>184-1761-01-3</u> Soil	<u>Analysis:</u>	EPA 8015B
Units:	mg/Kg	Basis:	as received
	ing/ itg	Received:	12/22/05
Field ID:	B-11-10		
Type:	SAMPLE	Sampled: Prepared:	12/21/05
Lab ID:	183988-013	Analyzed:	12/30/05 12/30/05
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	109138	L	
An	alyte	Result RL	
Diesel C10-C2	4		.0
Hexacosane	rogate %RI		
nexacosane	89	48-132	
Field ID:	D 11 14		
Type:	B-11-14 SAMPLE	Sampled:	12/21/05
Lab ID:	183988-014	Prepared:	12/30/05
Diln Fac:	1.000	Analyzed: Cleanup Method:	12/30/05 EPA 3630C
Batch#:	109138	creanup Mechou.	BEA 3030C
	alvte	······	
Diesel C10-C2		Result RL 1.7 Y 1	. 0
		1.7 1	. 0
Sur:	rogate %RE		
Hexacosane	88	48-132	
Field ID: Type:	B-12-5	Sampled:	12/20/05
Lab ID:	SAMPLE 183988-016	Prepared:	12/30/05
Diln Fac:	1.000	Analyzed: Cleanup Method:	12/31/05 EPA 3630C
Batch#:	109138	creanup neenou.	EFA 3030C
	alyte		
Diesel C10-C24	<u>aryce</u> 1	Result RL 38 L Y 1.	<u>^</u>
		38 L Y 1.	.0
		C Limits	
Hexacosane	73	48-132	
ni - 1 1 mm			
Field ID:	B-12-11	Sampled:	12/20/05
Type: Lab ID:	SAMPLE 183988-017	Prepared:	12/30/05
Diln Fac:	1.000	Analyzed:	12/31/05
Batch#:	109138	Cleanup Method:	EPA 3630C
Diesel C10-C24	lyte	Result RL	2
		26 Y 1.	U
	ogate %REG	C Limits	
Hexacosane	81	48-132	
H- Heavier hud	rogarbong gant that al	F - 11 - 11 - 11	

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 Page 3 of 5





B-11-14

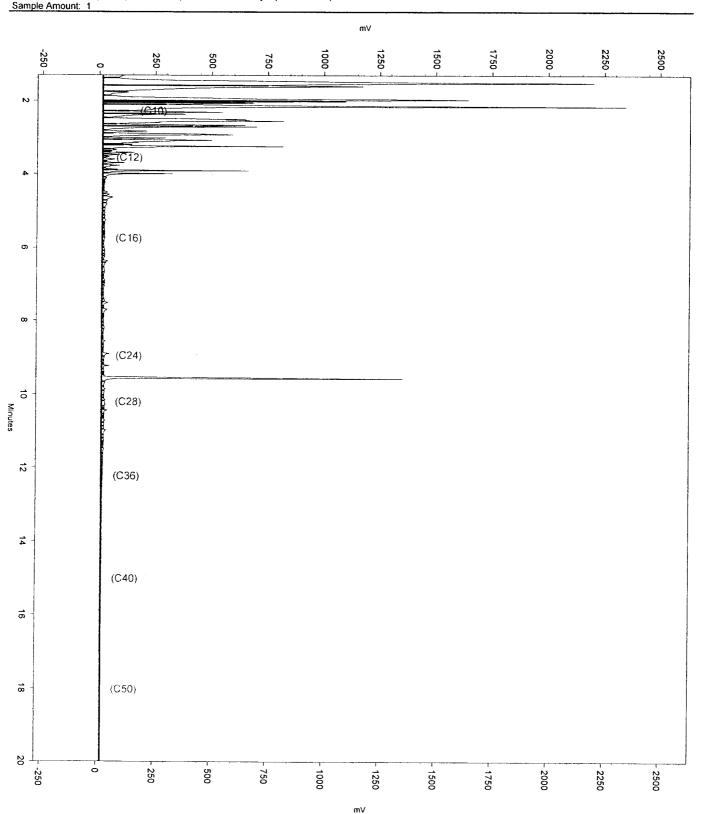
Sample Name: 189088-016sg,109138

Data File: \\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b065

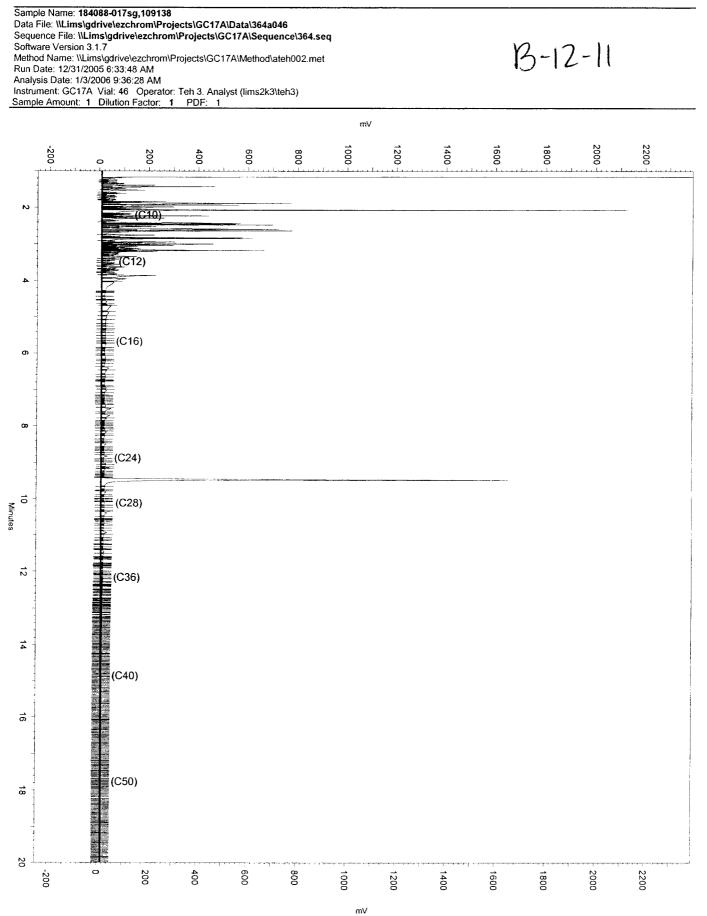
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Software Version 3.1.7

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 3:18:27 PM Instrument: GC13B (Offline) Vial: 65 Operator: Teh 2. analyst (lims2k3\teh2) Scanale Amount: 1



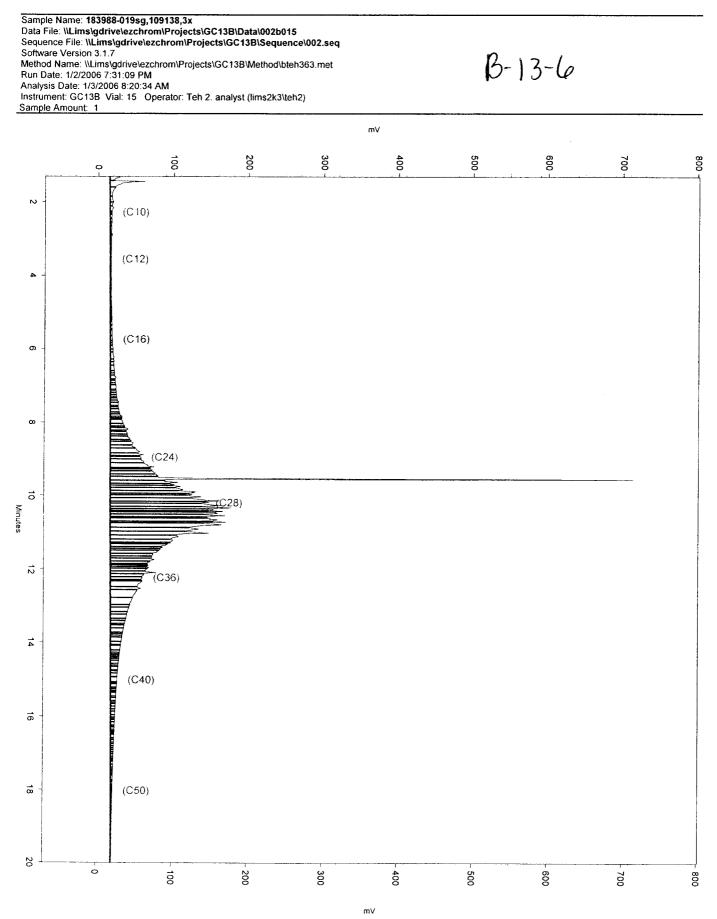
B-12-5



Page 2 of 2



	Tota	1 Extracta	ble Hydrocarbo	ns
Lab #:	183988		Location:	McGrath Steel
Client:	Weiss Associates		Prep:	SHAKER TABLE
Project#:	184-1761-01-3		<u>Analysis:</u>	EPA 8015B
Matrix: Units:	Soil		Basis:	as received
	mg/Kg		Received:	12/22/05
Field ID:	B-13-6		Sampled:	12/21/05
Type:	SAMPLE		Prepared:	12/30/05
Lab ID: Diln Fac:	183988-019		Analyzed:	01/02/06
Batch#:	3.000 109138		Cleanup Method:	EPA 3630C
Daccii#.	109138			
	alyte	Result	RL	
Diesel C10-C2	4	16 H Y	Ζ	. 0
Sur	rogate %R	EC Limits		
Hexacosane	81	48-132		
Field ID:	D 10 10			
Type:	B-13-10 SAMPLE		Sampled:	12/21/05
Lab ID:	183988-020		Prepared:	12/30/05
Diln Fac:	1.000		Analyzed: Cleanup Method:	12/31/05
Batch#:	109138		creanup Mechod:	EPA 3630C
	107130			
An	alyte	Result	RL	
Diesel C10-C2	4	13 L Y	1.	.0
		· · · · · · · · · · · · · · · · · · ·		
Hexacosane	rogate %R 76	EC Limits		
nexacosane	16	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			
Ant	alyte	Result	RL	
Diesel C10-C24	4	18 L Y		0
	2			
	rogate %R			
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			
A n:	alvte	Result	RL	
Diesel C10-C24		<u>19 L Y</u>		0
			_	-
	cogate %RI			
Hexacosane	88	48-132		
H= Heavier hvo	rocarbons contributed	d to the mus	ntitation	
L= Lighter hvo	rocarbons contributed	d to the mus	ntitation	
Y= Sample exhi	bits chromatographic	pattern whi	ch does not resem	ble standard
ND= Not Detecte	ed	• · · · · · · · · · · · · · · · · · · ·		······
RL= Reporting I	Limit			
Page 4 of 5				20.0

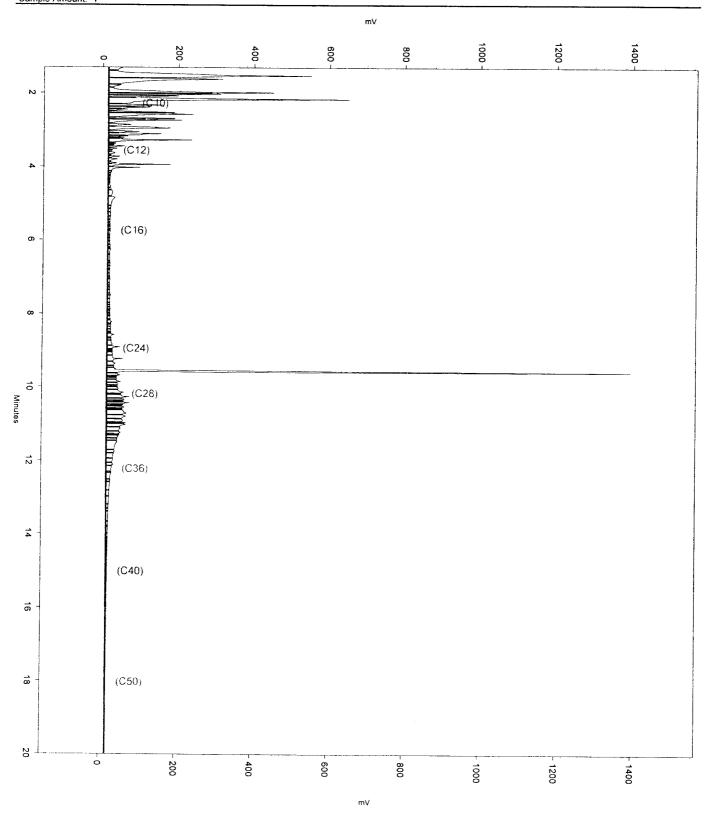


Sample Name: 183988-020sg, 109138 Data File: \\Lims\gdrive\ezchrom\Projects\GC13B\Data\363b066 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC13B\Sequence\363.seq Software Version 3.1.7 Method Name: \\Lims\gdrive\ezchrom\Projects\GC13B\Method\bteh363.met Purp Data: 12/31/2005 2:52:32 AM

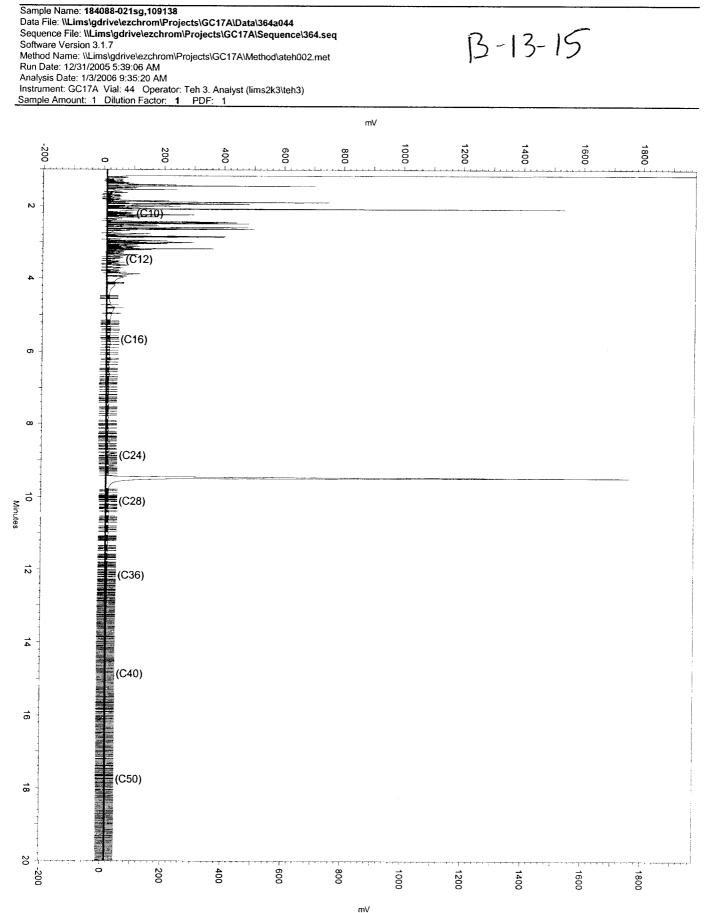
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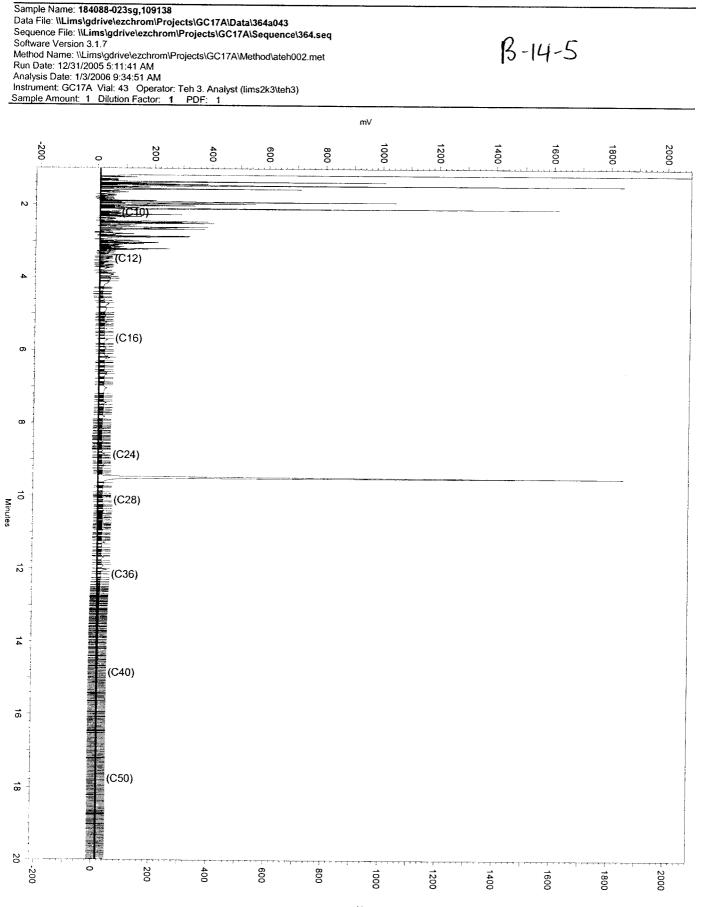
Analysis Date: 12/31/2005 3:18:38 PM

Instrument: GC13B (Offline) Vial: 66 Operator: Teh 2. analyst (lims2k3\teh2) Sample Amount: 1



B-13-10



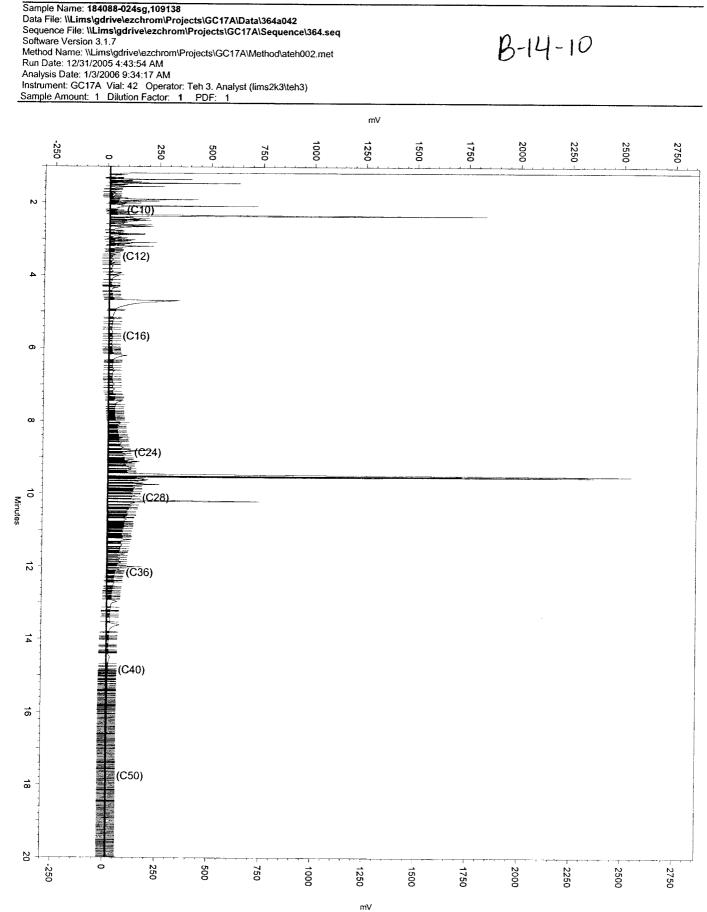


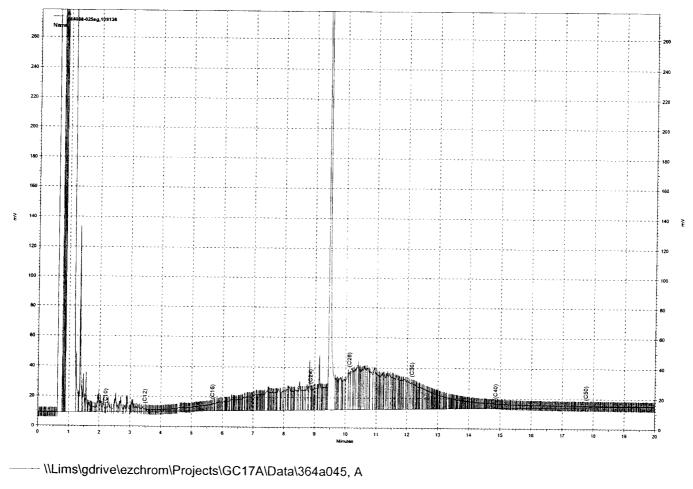
Page 2 of 2



	m	. .		h1	
		JUAL E	ALLACCA	ble Hydrocarbo	118
Lab #: Client:	183988 Weiss Associat	<u>A</u> 9		Location:	McGrath Steel
Project#:	184-1761-01-3	65		Prep: Analysis:	SHAKER TABLE EPA 8015B
Matrix:	Soil			Basis:	as received
<u>Units:</u>	mg/Kg			Received:	12/22/05
Field ID:	B-14-10			Sampled:	12/21/05
Type:	SAMPLE			Prepared:	12/21/05
Lab ID: Diln Fac:	183988-024			Analyzed:	12/31/05
Batch#:	1.000 109138			Cleanup Method:	EPA 3630C
Ana Diesel C10-C24	lyce		Result 27 H L	<u>RL</u> Y 1.	0
				· · ·	
Hexacosane	ogate	%REC 82	Limits 48-132		
		02	40 152		
Field ID:	B-14-16			Sampled:	12/21/05
Type: Lab ID:	SAMPLE			Prepared:	12/30/05
Diln Fac:	183988-025 1.000			Analyzed: Cleanup Method:	12/31/05 EPA 3630C
Batch#:	109138			creanup meenou.	EFA 3030C
Anal	vte		Result	RL	
Diesel C10-C24		•			
Diesei CIU-C24			3.8 H	Y 1.	0
	gate	*REC		¥ 1.	0
Hexacosane		%REC 83	3.8 H Limits 48-132	Y I.	0
Surro			Limits	¥ I.	0
Surre Hexacosane	8		Limits	Y I.	0
Surro Hexacosane Type:	BLANK		Limits	Prepared:	12/29/05
Surre Hexacosane	8		Limits	Prepared: Analyzed:	12/29/05 12/30/05
Hexacosane Type: Lab ID:	BLANK QC322683		Limits	Prepared:	12/29/05
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Anal	BLANK QC322683 1.000 109117	83	Limits 48-132	Prepared: Analyzed: Cleanup Method:	12/29/05 12/30/05
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#:	BLANK QC322683 1.000 109117	83	Limits	Prepared: Analyzed:	12/29/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Diesel C10-C24	BLANK QC322683 1.000 109117 yte	83 F ND	Limits 48-132 Result	Prepared: Analyzed: Cleanup Method: RL	12/29/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Anal	BLANK QC322683 1.000 109117 yte gate	83 F ND	Limits 48-132	Prepared: Analyzed: Cleanup Method: RL	12/29/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Diesel C10-C24 Surro	BLANK QC322683 1.000 109117 yte gate	83 F ND %REC	Limits 48-132 Result Limits	Prepared: Analyzed: Cleanup Method: RL	12/29/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Diesel C10-C24 Surro Hexacosane	BLANK QC322683 1.000 109117 yte	83 F ND %REC	Limits 48-132 Result Limits	Prepared: Analyzed: Cleanup Method: <u>RL</u> 1.	12/29/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Diesel C10-C24 Surro Hexacosane Type:	BLANK QC322683 1.000 109117 yte gate	83 F ND %REC	Limits 48-132 Result Limits	Prepared: Analyzed: Cleanup Method: RL 1. Prepared:	12/29/05 12/30/05 EPA 3630C
Surre Hexacosane Type: Lab ID: Diln Fac: Batch#: Diesel Cl0-C24 Surre Hexacosane Type: Lab ID: Diln Fac:	BLANK QC322683 1.000 109117 yte	83 F ND %REC	Limits 48-132 Result Limits	Prepared: Analyzed: Cleanup Method: RL 1. Prepared: Analyzed:	12/29/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Diesel C10-C24 Mexacosane Type: Lab ID:	BLANK QC322683 1.000 109117 yte gate 9 BLANK QC322757	83 F ND %REC	Limits 48-132 Result Limits	Prepared: Analyzed: Cleanup Method: RL 1. Prepared:	12/29/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Anal Diesel Cl0-C24 Mexacosane Type: Lab ID: Diln Fac: Batch#: Anal	BLANK QC322683 1.000 109117 yte gate BLANK QC322757 1.000 109138	83 ND %REC 96	Limits 48-132 Result Limits 48-132	Prepared: Analyzed: Cleanup Method: RL 1. Prepared: Analyzed: Cleanup Method:	12/29/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Diesel Cl0-C24 Surro Hexacosane Type: Lab ID: Diln Fac: Batch#:	BLANK QC322683 1.000 109117 yte gate BLANK QC322757 1.000 109138	83 ND %REC 96	Limits 48-132 Result Limits	Prepared: Analyzed: Cleanup Method: RL 1. Prepared: Analyzed:	12/29/05 12/30/05 EPA 3630C 0 12/30/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Anal Diesel Cl0-C24 Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Anal Diesel Cl0-C24	BLANK QC322683 1.000 109117 yte gate BLANK QC322757 1.000 109138 yte	83 ND %REC 96 REC	Limits 48-132 Result Limits 48-132	Prepared: Analyzed: Cleanup Method: RL 1. Prepared: Analyzed: Cleanup Method: RL	12/29/05 12/30/05 EPA 3630C 0 12/30/05 12/30/05 EPA 3630C
Surre Hexacosane Type: Lab ID: Diln Fac: Batch#: Diesel Cl0-C24 Mexacosane Type: Lab ID: Diln Fac: Batch#: Anal Diesel Cl0-C24	BLANK QC322683 1.000 109117 yte gate BLANK QC322757 1.000 109138 yte gate	83 ND %REC 96 %REC	Limits 48-132 Result Limits 48-132	Prepared: Analyzed: Cleanup Method: RL 1. Prepared: Analyzed: Cleanup Method: RL	12/29/05 12/30/05 EPA 3630C 0 12/30/05 12/30/05 EPA 3630C
Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Anal Diesel Cl0-C24 Surro Hexacosane Type: Lab ID: Diln Fac: Batch#: Anal Diesel Cl0-C24	BLANK QC322683 1.000 109117 yte gate BLANK QC322757 1.000 109138 yte gate	83 ND %REC 96 %REC	Limits 48-132 Result Limits 48-132	Prepared: Analyzed: Cleanup Method: RL 1. Prepared: Analyzed: Cleanup Method: RL	12/29/05 12/30/05 EPA 3630C 0 12/30/05 12/30/05 EPA 3630C

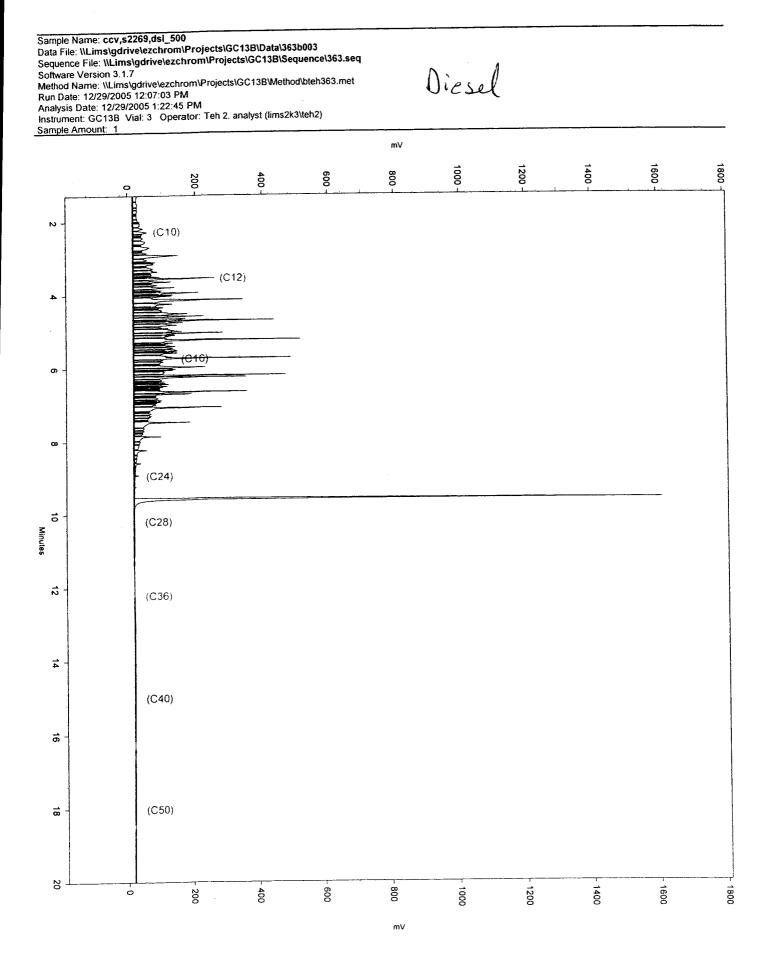
H= Heavier hydrocarbons contributed to the quantitation L= Lighter hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard ND= Not Detected RL= Reporting Limit Page 5 of 5





184088 - 025 sg , 109138

B-14-16



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	Total Ext	ractable Hydroca	rbons
Lab #:	183988	Location:	McGrath Steel
Client:	Weiss Associates	Prep:	SHAKER TABLE
Project#:	184-1761-01-3	Analysis:	EPA 8015B
Туре:	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	2 Limits	
Diesel C10-C24		50.24	46.06	92	54-137	
Surrogate	%REC	C Limits				
Hexacosane	91	48-132				



	Total Ext	ractable Hydroca	rbons
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	Resul	t	%REC	Limits	
Diesel C10-C24		49.53	51	.89	105	54-137	
				_			
Surrogate	%REC	Limits					
Hexacosane	95	48-132					



		- 1 m	.1.1			
	10	Cal Extract	able Hydrocarbo	ns		
Lab #:	183988		Location:	McGrath Stee	1	
Client:	Weiss Associat	es	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		Cleanup Method:	EPA 3630C		
Lab ID:	QC322685					
Analy	-e M	SS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	•••	15.73	50.01	65.46	99	28-163
		13.75	50.01	05.40	22	20-103
Surro	ogate	%REC Limits				
Hexacosane						
		87 48-132				
		87 48-132				
_		. 48-132				
Type:	MSD	87 48-132	Cleanup Method:	EPA 3630C		
Гуре: Lab ID:		87 48-132	Cleanup Method:	EPA 3630C		
	MSD QC322686	87 48-132	Cleanup Method: Result		Limits	RPD Lim
Lab ID:	MSD QC322686		Result	%REC	Limits 28-163	RPD Lim 9 46
Lab ID:	MSD QC322686 . yte	Spiked	Result	%REC		



	To	tal Extr	acta	ble Hydro	carbon	S			
Lab #:	183988		<u></u>	Location:		McGrath St	- Pel		
Client:	Weiss Associate	s		Prep:		SHAKER TAB			
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					01/01/00			
Type: Analy Diesel C10-C24	MS te MS	S Result <0.250'	7	Lab ID: Spiked		QC322759	*REC		uts
Surr Hexacosane	ogate 8	%REC Lim:	its	50.16	> 	45.06	90	28-	163
Гуре: Апа.	MSD	Spike		Lab ID:	Result	QC322760			
Diesel C10-C24						%RE			Lim
Hexacosane	o gate 9 91	REC Limi			50.0	5 101	28-163	12	46

Curtis & Tompkins, Ltd.

	Gasoline Oxy	genates by	GC/MS	
Lab #: 183988 Client: Weiss As Project#: 184-1761 Matrix: Water Units: uq/L		Location: Prep: Analysis: Received:	McGrath Steel EPA 5030B EPA 8260B 12/22/05	
Field ID: B-8-W Type: SAMPLE Lab ID: 183988-00 Diln Fac: 12.50	L	Batch#: Sampled: Analyzed:	109063 12/20/05 12/28/05	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (E Methyl tert-Amyl Ether (TA 1,2-Dichloroethane 1,2-Dibromoethane			RL 130 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 105 80-121 108 80-125 98 80-120 94 80-124			
Field ID: B-9-W Type: SAMPLE Lab ID: 183988-004 Diln Fac: 1.000		Batch#: Sampled: Analyzed:	109063 12/20/05 12/28/05	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ET Methyl tert-Amyl Ether (TA 1,2-Dichloroethane 1,2-Dibromoethane	Result ND 13 ND BE) ND ME) ND ND ND ND ND ND ND		RL 10 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 100 80-121 109 80-125 103 80-120 84 80-124			

ND= Not Detected RL= Reporting Limit Page 1 of 5



	Gasoline Oxy	genates by G	ic/ms	
Lab #: 183988 Client: Weiss Associ Project#: 184-1761-01- Matrix: Water Units: ug/L	ates 3	Location: Prep: Analysis: Received:	McGrath Steel EPA 5030B EPA 8260B 12/22/05	
Field ID: B-10-W Type: SAMPLE Lab ID: 183988-007 Diln Fac: 1.000		Batch#: Sampled: Analyzed:	109029 12/20/05 12/27/05	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND 1.8 1.9 ND ND ND ND ND ND ND		RL 10 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 100 80-121 103 80-125 101 80-120 99 80-124			
Field ID: B-11-W Type: SAMPLE Lab ID: 183988-011 Diln Fac: 166.7		Batch#: Sampled: Analyzed:	109029 12/21/05 12/27/05	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND 360 ND ND ND ND ND ND		RL 700 83 83 83 83 83 83 83	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 102 80-121 96 80-125 101 80-120 95 80-124			

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	Gasoline Oxy	genates by GC/	MS
Lab #: 183988 Client: Weiss Assoc: Project#: 184-1761-01 Matrix: Water Units: ug/L		Location: Prep: Analysis: Received:	McGrath Steel EPA 5030B EPA 8260B 12/22/05
Field ID: B-12-W Type: SAMPLE Lab ID: 183988-015 Diln Fac: 166.7		Batch#: Sampled: Analyzed:	109029 12/20/05 12/27/05
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND 260 ND ND ND ND ND ND	RL 1,70 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8) 3 3 3 3 3
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 100 80-121 95 80-125 97 80-120 101 80-124		
Field ID: B-13-W Type: SAMPLE Lab ID: 183988-018 Diln Fac: 125.0		Batch#: Sampled: Analyzed:	109029 12/21/05 12/28/05
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND 550 ND ND ND ND ND ND ND	RL 1,300 63 63 63 63 63 63	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 103 80-121 96 80-125 103 80-120 99 80-124		

ND= Not Detected RL= Reporting Limit Page 3 of 5

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Curtis & Tompkins, Ltd.

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

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

Analyte	Result	RT.	Diln Fa	Batabil
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) 1,2-Dichloroethane	ND	50	100.0	109029
1,2-Dibromoethane	ND	50	100.0	109029
	ND	50	100.0	109029

Surrogate	%REC	Limits	Dilln	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: Type: Lab ID: Diln Fac:	MW-3 SAMPLE 183988-026 125.0	Batch#: Sampled: Analyzed:	109029 12/20/05 12/28/05
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Analyte	Result	RL.
tert-Butyl Alcohol (TBA)	ND	1,300
MTBE	12,000	63
Isopropyl Ether (DIPE)	ND ND	
Ethyl tert-Butyl Ether (ETBE)		63
	ND	63
Methyl tert-Amyl Ether (TAME)	ND	63
1,2-Dichloroethane	ND	63
1,2-Dibromoethane	ND	63
000000000000000000000000000000000000000		
Surrogate	%REC Limits	
Dibromofluoromethane	92 80-121	
1,2-Dichloroethane-d4	81 80-125	
Toluene-d8	101 80-120	
Bromofluorobenzene	101 80-124	



	Gasoline Ox	ygenates by G	C/MS	
Lab #: 183988 Client: Weiss Associ Project#: 184-1761-01- Matrix: Water Units: ug/L		Location: Prep: Analysis: Received:	McGrath Steel EPA 5030B EPA 8260B 12/22/05	
Type: BLANK Lab ID: QC322383 Diln Fac: 1.000		Batch#: Analyzed:	109029 12/27/05	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND ND ND ND ND ND ND ND		RL 10 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 96 80-121 88 80-125 100 80-120 104 80-124	5		
Type: BLANK Lab ID: QC322513 Diln Fac: 1.000		Batch#: Analyzed:	109063 12/28/05	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND ND ND ND ND ND ND ND		10 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 94 80-121 90 80-125 101 80-120 107 80-124			

ND= Not Detected RL= Reporting Limit Page 5 of 5**.**



	Gasoline	Oxygenates by GO	J/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

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	%RE(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:

Lab ID: QC322381

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



	Gasoline	Oxygenates by GO	2/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	RPL) 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



	Gasoline	Oxygenates by GO	с/мб
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:	uq/Kq	Received:	12/22/05

Field ID: Type:	B-8-5 SAMPLE		Lab ID: Sampled:	183988-002 12/20/05	
	nalyte	Result	RL	Diln Fac	Batch# Analyzed
tert-Butyl A	lcohol (TBA)	220	94	0.9434	109157 12/30/05
MTBE		330	23	4.545	109167 01/02/06
Isopropyl Et		ND	4.7	0.9434	109157 12/30/05
Ethyl tert-B	utyl 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-Dichloro	ethane	ND	4.7	0.9434	109157 12/30/05
1,2-Dibromoe	thane	ND	4.7	0.9434	109157 12/30/05 109157 12/30/05

~		Limits	Diin	Fac Batch# Analyzed
Dibromofluoromethane	100	80-120	0.9434	109157 12/30/05
1,2-Dichloroethane-d4	113	80-123	0.9434	
Toluene-d8	99	80-120	0.9434	
Bromofluorobenzene	98	80-124	0.9434	109157 12/30/05

Field ID: B-8-10 Type: SAMPLE		Lab ID: Sampled:	183988-003 12/20/05	
Analyte tert-Butyl Alcohol (TBA)	Result			
	ND	9		109157 12/30/05
MTBE	570	13	0 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 Limi		atch# Analyzed	
Dibromofluoromethane	86 80-1	20 0.9091 1	09157 12/30/05	
1,2-Dichloroethane-d4	81 80-1	23 0.9091 14	09157 12/30/05	
Toluene-d8	102 80-1	20 0.9091 1	09157 12/30/05	1
Bromofluorobenzene	96 80-1		09157 12/30/05	

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 1 of 13



		Gagi	line Orvo	enates by (SW /MS	
Tab #	102000	Gabi	Jine Cryg			
Lab #: Client:	183988 Weiss Associ	ates		Location: Prep:	McGrath Steel EPA 5030B	
Project#:	184-1761-01-			Analysis:	EPA 8260B	
Matrix:	Soil			Basis:	as received	
Units:	uq/Kq	<u> </u>		Received:	12/22/05	
Field ID:	B-9-6			Batch#:	109157	
Type: Lab ID:	SAMPLE 183988-005			Sampled: Analyzed:	12/20/05 12/30/05	
Diln Fac:	0.9434			Anaryzeu.	12/30/03	
A #33	ilyte		Result		RL	
tert-Butyl Alc			ND		94	
MTBE Isopropyl Ethe	r (DIDE)		ND ND		4.7 4.7	
Ethvl tert-But	yl Ether (ETBE)		ND		4.7	
Methyl tert-Am	yl Ether (TAME)		ND		4.7	
1,2-Dichloroet	hane		ND		4.7	
1,2-Dibromoeth	lane		ND		4.7	
Surr	ogate	%RI				
Dibromofluorom		92	80-120			
1,2-Dichloroet Toluene-d8	.nane-04	96 93	80-123 80-120			1
Bromofluoroben	izene	94	80-124			
				******	,	
Field ID:	B-9-11 SAMPLE			Batch#:	109157	
Type: Lab ID:	SAMPLE					
	183988-006			Sampled:	12/20/05	
Diln Fac:	183988-006 0.9434			Analyzed:	12/20/05 12/30/05	
Diln Fac:	0.9434		Pagnit		12/30/05	
Diln Fac:	0.9434		Result			
Diln Fac: Ana tert-Butyl Alc MTBE	0.9434 lyte cohol (TBA)				12/30/05 RL	
Diln Fac: Ana tert-Butyl Alc MTBE Isopropyl Ethe	0.9434 lyte sohol (TBA) er (DIPE)		ND 6.9 ND		12/30/05 RL 94 4.7 4.7	
Diln Fac: Ana tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But	0.9434 lyte sohol (TBA) er (DIPE) yl Ether (ETBE)		ND 6.9 ND ND		12/30/05 <u>RL</u> 94 4.7 4.7 4.7 4.7	
Diln Fac: Ana tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But Methyl tert-Am	0.9434 lyte sohol (TBA) er (DIPE) yl Ether (ETBE) yl Ether (TAME)		ND 6.9 ND ND ND ND		12/30/05 RL 94 4.7 4.7 4.7 4.7 4.7 4.7	
Diln Fac: Ana tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But	0.9434 lyte cohol (TBA) r (DIPE) yl Ether (ETBE) yl Ether (TAME) hane		ND 6.9 ND ND		12/30/05 <u>RL</u> 94 4.7 4.7 4.7 4.7	
Diln Fac: Ana tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But Methyl tert-Am 1,2-Dichloroeth 1,2-Dibromoeth	0.9434 lyte cohol (TBA) er (DIPE) yl Ether (ETBE) yl Ether (TAME) hane ane		ND 6.9 ND ND ND ND ND ND		12/30/05 RL 94 4.7 4.7 4.7 4.7 4.7 4.7 4.7	
Diln Fac: Ana tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But Methyl tert-Am 1,2-Dichloroeth 1,2-Dibromoeth	0.9434 lyte cohol (TBA) r (DIPE) yl Ether (ETBE) yl Ether (TAME) hane ane ogate	<u>%RE</u> 91	ND 6.9 ND ND ND ND ND C Limits		12/30/05 RL 94 4.7 4.7 4.7 4.7 4.7 4.7 4.7	
Diln Fac: Ana tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But Methyl tert-Am 1,2-Dichloroet 1,2-Dibromoeth Surr Dibromofluorom 1,2-Dichloroet	0.9434 lyte cohol (TBA) r (DIPE) yl Ether (ETBE) yl Ether (TAME) hane ane ogate ethane	\$RI	ND 6.9 ND ND ND ND ND ND		12/30/05 RL 94 4.7 4.7 4.7 4.7 4.7 4.7 4.7	
Diln Fac: Ana tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But Methyl tert-Am 1,2-Dichloroet 1,2-Dibromoeth Surr Dibromofluorom	0.9434 lyte cohol (TBA) r (DIPE) yl Ether (ETBE) yl Ether (TAME) hane ane ogate lethane hane-d4	%RI 91	ND 6.9 ND ND ND ND ND C Limits 80-120		12/30/05 RL 94 4.7 4.7 4.7 4.7 4.7 4.7 4.7	

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 2 of 13



	Gasoline Oxy	genates by (JC/MS	
Lab #: 183988 Client: Weiss Associa Project#: 184-1761-01-3 Matrix: Soil Units: uq/Kg		Location: Prep: Analysis: Basis: Received:	McGrath Steel EPA 5030B EPA 8260B as received 12/22/05	
Field ID: B-10-5 Type: SAMPLE Lab ID: 183988-008 Diln Fac: 0.9434		Batch#: Sampled: Analyzed:	109167 12/20/05 01/02/06	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND ND ND ND ND ND ND ND ND		RL 94 4.7 4.7 4.7 4.7 4.7 4.7 4.7	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 100 80-120 111 80-123 101 80-120 102 80-124			
Field ID: B-10-10 Type: SAMPLE Lab ID: 183988-009 Diln Fac: 0.8929		Batch#: Sampled: Analyzed:	109167 12/20/05 01/02/06	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND ND ND ND ND ND ND ND		RL 89 4.5 4.5 4.5 4.5 4.5 4.5 4.5	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 101 80-120 113 80-123 101 80-120 96 80-124			

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 3 of 13

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	G	asoline Ox	ygenates by G	ЭС/M5	
Lab #: Client:	183988 Weiss Associate	es	Location: Prep:	McGrath Steel EPA 5030B	
Project#: Matrix:	<u>184-1761-01-3</u> Soil		<u>Analysis:</u> Basis: Received:	EPA 8260B as received 12/22/05	· · · · · · · · · · · · · · · · · · ·
Units:	ug/Kg		Accerved.	12/22/05	
Type: Lab ID:	B-10-15 SAMPLE 183988-010 0.8929		Batch#: Sampled: Analyzed:	109167 12/20/05 01/02/06	
Analy		Result		RL	
tert-Butyl Alcoh MTBE Isopropyl Ether Ethyl tert-Butyl Methyl tert-Amyl 1,2-Dichloroetha 1,2-Dibromoethan	(DIPE) Ether (ETBE) Ether (TAME) ne	ND ND ND ND ND ND ND		89 4.5 4.5 4.5 4.5 4.5 4.5 4.5	
Surrog Dibromofluoromet 1,2-Dichloroetha Toluene-d8 Bromofluorobenze	hane 1 ne-d4 1	%REC Limit 103 80-12 113 80-12 101 80-12 99 80-12	0 3 0		
Type: Lab ID:	B-11-5 SAMPLE 183988-012 0.9615		Batch#: Sampled: Analyzed:	109167 12/21/05 01/02/06	
Analy	te	Result		RL	
tert-Butyl Alcoh MTBE Isopropyl Ether Ethyl tert-Butyl Methyl tert-Amyl 1,2-Dichloroetha 1,2-Dibromoethan	(DIPE) Ether (ETBE) Ether (TAME) ne	ND ND ND ND ND ND ND		96 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8	
Surrog Dibromofluoromet 1,2-Dichloroetha Toluene-d8 Bromofluorobenze	hane ne-d4	%REC Limit L01 80-12 L15 80-12 L02 80-12 L02 80-12 L02 80-12	0 3 0		

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 4 of 13



	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: Lab ID:	B-11-10 SAMPLE 183988-013 0.9434	Batch#: Sampled: Analyzed:	109167 12/21/05 01/02/06
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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: Type: Lab ID: Diln Fac:	B-11-14 SAMPLE 183988-014 0.9434	Batch#: Sampled: Analyzed:	109167 12/21/05 01/02/06
A	nalyte	Result	JT
tert-Butvl A	lcohol (TBA)	ND	94

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	Límits	
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 Page 5 of 13



	Gasoli	ne Oxyc	lenates by	GC/MS
Lab #: 183988 Client: Weiss Associa Project#: 184-1761-01- Matrix: Soil	ates		Location: Prep: Analysis: Basis:	McGrath Steel EPA 5030B EPA 8260B as received
Units: uq/Kq			Received:	12/22/05
Field ID: B-12-5 Type: SAMPLE Lab ID: 183988-016 Diln Fac: 0.9434			Batch#: Sampled: Analyzed:	109167 12/20/05 01/02/06
Analyte tert-Butyl Alcohol (TBA)	ND	Result		RL 94
MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	ND ND ND ND ND ND			4.7 4.7 4.7 4.7 4.7 4.7 4.7
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC 99 104 101 97	Limits 80-120 80-123 80-120 80-124		
Field ID: B-12-11 Type: SAMPLE Lab ID: 183988-017 Diln Fac: 0.9091			Batch#: Sampled: Analyzed:	109167 12/20/05 01/02/06
Analyte		Result		RL 91
tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	ND ND ND ND ND ND			91 4.5 4.5 4.5 4.5 4.5 4.5
Surrogate	%PR0	Limits		
Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	98 108 100 100	80-120 80-123 80-120 80-120 80-124		

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 6 of 13



	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	Resu	lt 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	2 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 Type: SAMPLE Lab ID: 183988-020 Diln Fac: 0.9434		Batch#: Sampled: Analyzed:	109167 12/21/05 01/03/06
Analyte	Result	R	1
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 Page 7 of 13



	Gasoline	Oxygenates by GC/I	48
Client: We	3988 siss Associates	Location: Prep:	McGrath Steel EPA 5030B
Matrix: Sc	94-1761-01-3 511 g/Kg	<u>Analysis:</u> Basis: Received:	EPA 8260B as received 12/22/05
Type: SAM	.3-15 HPLE 9988-021 0.0	Batch#: Sampled: Analyzed:	109219 12/21/05 01/04/06
Analyte tert-Butyl Alcohol	(TBA) ND	1t RL 25,000	
MTBE Isopropyl Ether (DI Ethyl tert-Butyl Et Methyl tert-Amyl Et 1,2-Dichloroethane 1,2-Dibromoethane	NDIPE)NDIher (ETBE)ND	1,300 1,300 1,300 1,300 1,300 1,300 1,300	
Surrogate			
Dibromofluoromethan 1,2-Dichloroethan Toluene-d8 Bromofluorobenzene Trifluorotoluene (M	ne 86 80- d4 88 80- 89 80- 97 80-	120 123 120 124 132	
Type: SAM	4-5 IPLE 988-023	Batch#: Sampled: Analyzed:	109219 12/21/05 01/04/06
Analyte	Resu	1t RL	
tert-Butyl Alcohol MTBE Isopropyl Ether (DI Ethyl tert-Butyl Et Methyl tert-Amyl Et 1,2-Dichloroethane	(TBA) ND 11,00 PE) ND her (ETBE) ND her (TAME) ND ND ND	20,000 0 1,000 1,000 1,000 1,000 1,000	
1,2-Dibromoethane	ND	1,000	
Surrogate Dibromofluoromethan 1,2-Dichloroethane- Toluene-d8 Bromofluorobenzene Trifluorotoluene (M	e 85 80- d4 84 80- 89 80- 95 80-	120 123 120 124	

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 8 of 13

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	G	asoli	ne Oxyg	enates by	GC/MS	3
Lab #: Client:	183988 Weiss Associat	es		Location: Prep: Analysis:		McGrath Steel EPA 5030B EPA 8260B
Project#: Matrix: Units:	<u>184-1761-01-3</u> Soil ug/Kg			Basis: Received:		as received 12/22/05
Field ID: Type: Lab ID: Diln Fac:	B-14-10 SAMPLE 183988-024 25.00			Batch#: Sampled: Analyzed:		109221 12/21/05 01/04/06
Anal			Result		RL	
tert-Butyl Alco MTBE Isopropyl Ether Ethyl tert-Buty Methyl tert-Amy 1,2-Dichloroeth 1,2-Dibromoetha	(DIPE) l Ether (ETBE) l Ether (TAME) ane	ND ND ND ND ND ND	1,900		2,500 130 130 130 130 130 130 130	
Surro	gate	%REC	Limits			
Dibromofluorome 1,2-Dichloroeth Toluene-d8 Bromofluorobenz	ane-d4	114 109 105 103	80-120 80-123 80-120 80-124			
Field ID: Type: Lab ID: Diln Fac:	B-14-16 SAMPLE 183988-025 1.000			Batch#: Sampled: Analyzed:		109219 12/21/05 01/04/06
Anal			Result		RL	
tert-Butyl Alco MTBE	hol (TBA)	ND	550 >LR	b	100 5.(n
Isopropyl Ether		ND	<u>ээ</u> о >шк	2	5.0	0
Ethyl tert-Buty Methyl tert-Amy		ND ND			5.(5.(
1,2-Dichloroeth	ane	ND			5.0	0
1,2-Dibromoetha	ne	ND			5.0	U
Surro		%REC	Limits 80-120			
Dibromofluorome 1,2-Dichloroeth		84 84	80-120 80-123			
Toluene-d8 Bromofluorobenz		90 96	80-120 80-124			
[DI OMOLI HOI ODELLZ			00 141			

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 9 of 13



	Gasoline Oxy	genates by GC/	MS
Lab #: 183988 Client: Weiss Associ Project#: 184-1761-01-		Location: Prep: Analysis:	McGrath Steel EPA 5030B EPA 8260B as received
Matrix: Soil Units: ug/Kg		Basis: Received:	12/22/05
Field ID:B-14-16 REType:SAMPLELab ID:183988-029Diln Fac:25.00		Batch#: Sampled: Analyzed:	109260 12/21/05 01/05/06
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND b 1,500 b ND b ND b ND b ND b ND b ND b	RL 2,500 130 130 130 130 130 130	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene Trifluorotoluene (MeOH)	%REC Limits 83 b 80-120 87 b 80-123 90 b 80-120 97 b 80-120 97 b 80-124 102 b 31-132		
Type: BLANK Lab ID: QC322844 Diln Fac: 1.000		Batch#: Analyzed:	109157 12/30/05
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) Methyl tert-Amyl Ether (TAME) 1,2-Dichloroethane 1,2-Dibromoethane	Result ND ND ND ND ND ND ND ND		. 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC Limits 95 80-120 104 80-123 94 80-120 107 80-124		

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 10 of 13

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	Gasoline	Oxygenates by GO	C/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: Lab ID: Diln Fac:	BLANK QC322883 1.000	Batch#: Analyzed:	109167 01/02/06	

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: Lab ID: Diln Fac:	BLANK QC322972 1.000			Batch#: Analyzed:	109191 01/03/06	
Ana	lyte		Result	RL		
tert-Butyl Alc		ND		10	0	
MTBE	• •	ND			5.0	
Isopropyl Ethe	r (DIPE)	ND			5.0	
Ethyl tert-But	yl Ether (ETBE)	ND			5.0	
	yl Ether (TAME)	ND			5.0	
1,2-Dichloroet		ND			5.0	
1,2-Dibromoeth	ane	ND			5.0	
•						
Surr	ogate	%REC	Limíts			
Dibromofluorom	ethane	83	80-120			
1.2-Dichloroet	hane-d4	85	80-123			

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 Page 11 of 13



	Gasoli	ne Oxyg	enates by	gc/ms	
Lab #: 183988 Client: Weiss As Project#: 184-1761			Location: Prep: Analysis: Basis:	McGrath Ste EPA 5030B EPA 8260B as received	
Matrix: Soil Units: uq/Kq			Received:	12/22/05	·
Type: BLANK Lab ID: QC323085 Diln Fac: 1.000			Batch#: Analyzed:	109219 01/04/06	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (E Methyl tert-Amyl Ether (T 1,2-Dichloroethane 1,2-Dibromoethane	ND ND ND TBE) ND			RL 100 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	87 87 87 89 96	Limits 80-120 80-123 80-120 80-124			
Type: BLANK Lab ID: QC323089 Diln Fac: 1.000			Batch#: Analyzed:	109221 01/04/06	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (E Methyl tert-Amyl Ether (T 1,2-Dichloroethane 1,2-Dibromoethane	ND ND TBE) ND AME) ND ND ND			RL 100 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC 111 110 100 110	Limits 80-120 80-123 80-120 80-124			

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 12 of 13



		Oxygenates by GC	
Lab #:	183988	Location:	McGrath Steel
Lab #: 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

Lab ID:	BLANK QC323235 1.000			Batch#: Analyzed:		109260 01/05/06	
Analy	.e		Result		RL		
tert-Butyl Alcoho	ol (TBA)	ND			100		
MTBE		ND			5.0	0	
Isopropyl Ether	(DIPE)	ND			5.0	0	
Ethyl tert-Butyl	Ether (ETBE)	ND			5.0	0	
Methyl tert-Amyl		ND			5.0	0	
1.2-Dichloroethan	ne	ND			5.0	0	
1,2-Dibromoethane	2	ND			5.0	0	
						······································	
Surroga		&REC	Limits				
Dibromofluorometh		6	80-120				
1,2-Dichloroethar	ne-d4 8-	4	80-123				
Toluene-d8	8	8	80-120				
Bromofluorobenzer	1e 90	б	80-124				

b= See narrative ND= Not Detected RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 13 of 13



	Gasoline	Oxygenates by GO	с/мб
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



	Gasoline	Oxygenates by GO	2/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



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	2 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	1
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



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	%REG	2 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



	Gasoline	Oxygenates by GO	:/M5
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

 ${\tt Type:}$

BS

Lab ID:

QC323087

Analyte	Spiked	Result	%RBC	Límits
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



	Gasoline	Oxygenates by GG	C/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	%RE(l 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



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 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

Analyzed:

01/02/06

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

Type: Lab ID:	MSD QC322861	Analyzeo	d: 01/03	/06			
Ar	alyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Al	Lcohol (TBA)	120.2	85.80	71	45-141	14	33
MTBE		24.04	18.81	78	58-124	6	20
Isopropyl Eth	ner (DIPE)	24.04	19.62	82	57-126	2	23
Ethyl tert-Bu	tyl Ether (ETBE)	24.04	21.69	90	61-129	4	21
Methyl tert-A	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



	Gasoline	Oxygenates by GC	2/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	2 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



	Gasoline	Oxygenates by GG	c/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

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

Lab ID:

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	RPI	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	C 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 Page 1 of 1



	Gasoline	Oxygenates by GO	2/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 Page 1 of 1



	Gasoline	Oxygenates by GC	:/M5
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

Type:

MS

Lab ID: QC323292

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<541,800	1,250,000	1,009,000	81	45-141
MTBE	<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

Type:

MSD

Lab ID: QC323293

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-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	C 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

185788

Weiss Associates Environmental Science, Engineering and Management Services

Please send analy	tic results and a copy	LAB PERSONNEL:
of the signed chai	n of custody form to:	Please Include QA/QC Data.
L. Maile Smith		Specify analytic method and detection limit in report.
Ims@weiss.con	<u>1</u>	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

Faux 12-22-05

	Sampled by:	pe	3	Laborat	ory Name:	С&Т					Site Name:	McGrath Stee	2
	Sample ID	Sample Date	Sample Time	# of Con+ tainers	Sample/ Container Type ¹	Volume	Preser- vative?	Filter? 2	Refrig?	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 •		<i>।</i> শ্রুসণ্ড	4	W/V	40 ml	HC1	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
)	B-8- <u>5</u>		1445	1	S/T	2x\$ 12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
X	<u>-B-8</u>)	-+-	- S/T -	- 2x6 -	-None	-74	¥	-₩-	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
>	B-8-70 t		15:40	1	S/T	2x Ø ,2	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
2	<u>B-8</u>		V		- S/T	-2x6	None	-N	¥	-N-	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
Λ	B-8 _	NA	NA	l	S/T	2x6	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
-}	<u>B-8</u>	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	Ŷ	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 RSali-	- 12/21	10501600	>	Ø	3					5		
	Released by (Signature), I (Affiliation) VeE\S					Released by (S 3 (Affiliation)	ignature), Date, T	ime			Released by (Signature), Date, 5 (Affiliation)	Time	
	2 An A	~~~~				4					6		
		+13 Tempk		2 22	05 900	Received by (S 4 (Affiliation)	ignature), Date, T	ime			Received by (Signature), Date, 6 (Affiliation)	Time	
	1 = Sample Type Co Cap Codes: PT = PI			ribe Other; 2 = Filtered		Container Ty 3 = Refrigera			•		r B • Clear/Brown Glass, mal, W = 1 Week, R = 24		/rite out)
	Cap Codes:PT = Plastic, Teflon Lined $2 = Filtered (Y/N)$ $3 = Refrigerated (Y/N)$ $4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write ou\boxed{X} = Samples stored in a secured, locked area.ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:\boxed{N+cc+/c4}$											jofa	

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Sterice, Engineering and Management Service
 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	LAB PERSONNEL:				
of the signed chain	of custody form to:	Please Include QA/QC Data.				
Maile Smith		Specify analytic method and detection limit in report.				
<u>ms@weiss.com</u>		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		Laborat	tory Name:	С&Т					Site Name:	McGrath Stee	21
	Sample ID	Sample Date	Sample Time	# of Con- tainers	Sample/ Container Type'	Volume	Preser- vative?	Filter? 2	Refrig?	Turn 4	Analyze for	Analytical Method	Special Instructions
-5	B-9- <u>6</u> ,	12/20/05	1620	1	S/T	2×10/12	None	N	Ŷ	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
J	- B-9	1	\checkmark	+	- S/T	- 2×6	None	N	*		TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
1	B-9-11		1640	1	S/T	2x\$	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
-0	-B-9		1	+	- S/T -	-2×6-	None [.]	- N -	¥	*	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
N/A	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.
NM	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 ,	1	1940	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	2x8	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
U	-B-10	1.	Ţ	+	- S/T	2×6-	None	₩	¥	-74-	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
	1 Parli-	12/21/05	@ 1600		g	3					5		
	Released by (Signature), 1 (Affiliation) کاټنې 3					Released by (Signature), Date, Time Released by (Signature), Date, Time 3 (Affiliation) 5 (Affiliation)							
	2 Aur	·h=				4					6		
	Received by (Signature), 2 (Affiliation)	Date, Time	· 12/	22/05	-900	Received by (S 4 (Affiliation)	signature), Date, T	ime			Received by (Signature), Date, 6 (Affiliation)	Time	
	1 = Sample Type Co Cap Codes: PT = P			cribe Other; 2 = Filtered		Container Ty 3 = Refrigera	-	/ = VOA/Tet	•		or B - Clear/Brown Glass, rmal, W = 1 Week, R = 24		rite out)
	🔀 = Samples sto ADDITIONAL C			IS, PROBL	_{EMS:} In	tact/Cl	old						2.5f 6

Intact/cold 79W 12-22-05

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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 analyti	e results and a copy	LAB PERSONNEL:
of the signed chain	of custody form to:	Please Include QA/QC Data.
L. Maile Smith		Specify analytic method and detection limit in report.
Ims@weiss.com		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:	pes	>	Laborat	ory Name:	С&Т					Site Name:	McGrath Stee	1	
	Sample ID	Sample Date	Sample Time	# of Con- tainers	Sample/ Container Type ¹	Volume	Preser- vative?	Filter? 2	Refrig?	Turn 4	Analyze for	Analytical Method	Special Instructions	
9	B-10-jo.	12/20/05	1315	1	S/T	2x / 12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.	
	- B-10-			+	- \$/T	-2×6-	-None	*	¥	*	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.	
0	B-10- <u>15</u> ,		1330	1	S/T	2x%	None	N	Y	N	TPH-Diesel & TPH-MS	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.	
IV.	- B-10 _	→	1	+	-5/T -	-2*6-	None	*	¥	- N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.	
	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.	
1)			915	1	S/T	2x,6/2	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.	
12	-B-H		1	+	- \$/T	-2x6	None	₩	¥	₩	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.	
3	B-11-10,		<u>azc</u>	1	S/T	2×\$12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.	
	B-++	4	1	+	-\$/Ŧ	- <u>2x6</u> -	None	*	¥	*	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.	
	1 PSeli-		1/05 @1600	<u>></u>	Ø	3								
	Released by (Signature), 1 (Affiliation) 2/21		•			Released by (Si 3 (Affiliation)	gnature), Date, T	ime		<u></u>	Released by (Signature), Date, 5 (Affiliation)	Time		
	2 /fr		12.5			4					6			
	Received by (Signature), 2 (Affiliation)	721226		900		4 (Affiliation)	ignature), Date, T				Received by (Signature), Date, 6 (Affiliation)			
	I = Sample Type Co Cap Codes: PT = P	lastic, Tetlon Li	ned	ribe Other; 2 = Filtered		Container Ty 3 = Refrigera					r B - Clear/Brown Glass, mal, W = 1 Week, R = 24		rite out)	
	X = Samples sto. ADDITIONAL C			S, PROBLI	EMS: In	ract/co	id							
	ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS: Intact/Cold MW 12-22-45												3046	

J \McGrath\1761_2005\protocols\1761_122005\COC (3)

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Please send analy	tic results and a copy	LAB PERSONNEL:
of the signed chai	n of custody form to:	Please Include QA/QC Data.
L. Maile Smith		Specify analytic method and detection limit in report.
Ims@weiss.com	<u>1</u>	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:	p.c.	5	Laborat	ory Name:	C&T					Site Name:	McGrath Steel		
	Sample ID	Sample Date	Sample Time	# of Con- tainers	Sample/ Container Type ⁴	Volume	Preser- vative?	Filter? 2	Refrig? 3	Turn 4	Analyze for	Analytical Method	Special Instructions	
14	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	Ţ	Ţ	+	-S/T	-2×6-	-None	¥	¥	- M-	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.	
15	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 .	1	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.	
11	B-12-5		1050	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel ATH-MS	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.	
10	- <u>B-12-</u>		Ţ	+	- S/T	-2×6 -	None-	-14-	¥	*	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.	
17	B-12- <u>11</u> .		1100	1	S/T	2x 6/12	None	N	Y	N	TPH-Diesel & TH-MB	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.	
1/	-B-12	1	Ţ	+	-\$/Ţ-	2x6-	None	₩	¥	*	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.	
V/V	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.	
NA	B-12	N4	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 Rosein	- 12/21/or	@1600		Q	3					5			
	Released by (Signature),					Released by (Si 3 (Affiliation)	ignature), Date, T	ime			Released by (Signature), Date, 5 (Affiliation)	Time		
	2 A	m (h	e			4					6			
	Received by (Signature), 2 (Affiliation) 1 = Sample Type Co	AT I	2/22/0		0	Received by (Signature), Date, Time Received by (Signature), Date, Time 4 (Affiliation) 6 (Affiliation)								
	Cap Codes: $PT = P$			2 = Filtered ((Y/N)	Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other; 3 = Refrigerated (Y/N) 4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)								
	$\mathbf{X} = Samples \ stol$	red in a secured	. locked area.		· · · · · · · · · · · · · · · · · · ·								a da da da anti anti anti anti anti anti anti ant	

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

Intact/cold 29W 12-22-15

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	185788
ΛΔ	Weiss Associates
	Environmental Science, Engineering and Management Services

Please send analyt	ic results and a copy	LAB PERSONNEL:
of the signed chain	n of custody form to:	Please Include QA/QC Data.
L. Maile Smith		Specify analytic method and detection limit in report.
Ims@weiss.com		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:	Sample Sample # of									Site Name:	McGrath Stee	9
	ID	Sample Date	Sample Time	# of Con- tainers	Sample/ Container Type ¹	Volume	Preser- vative?	Filter? 2	Refrig?	Turn 4	Analyze for	Analytical Method	Special Instructions
-18	B-13-W -	12/21/00	5 905	1	W/A	IL	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
-10	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- <u>6</u> ,		\$00	1	S/T	2x,6	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
łł	B-13		\rightarrow	+	-S/T	-2x6	None	×	¥	-14	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
-20	B-13- <u>10</u> .		815	1	S/T	2x9/12	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
Ľ	- <u>B-13-</u>		1	+-	- 8/T	2x6 -	-None-	*	*		TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
	B-13- <u>15</u> .		870	1	S/T	2x\$	None	N	Y	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
-21	- B-13		\rightarrow	+	- S/T	-2×6	- None	-}} -	*	-}4 -	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.
60	B-14-W 🔍	4	1245	4	W/V	40 ml	HCI	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
	1 PEali-	- 12/2	105 @1600		Q	3					5		
	Released by (Signature), I (Affiliation)		2			Released by (Si 3 (Affiliation)	gnature), Date, T	ime			Released by (Signature), Date, 5 (Affiliation)	Time	
		v V	5			4					6		
	Received by (Signature), Date, Time 2 (Affiliation 122205 903						Received by (Signature). Date, Time Received by (Signature), Date, Time 4 (Affiliation) 6 (Affiliation)						
	1 = Sample Type Co Cap Codes: PT = P			cribe Other; 2 = Filtered		Container Ty 3 = Refrigera		V = VOA/Ter			or B - Clear/Brown Glass, rmal, W = 1 Week, R = 24	,	vrite out)

X = Samples stored in a secured, locked area.

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

Intact/cold 7900 12-22-05

185788 Weiss Associates Environmental Science, Engineering and Management Services

Please send analy	tic results and a copy	LAB PERSONNEL:
of the signed chai	n of custody form to:	Please Include QA/QC Data.
L. Maile Smith		Specify analytic method and detection limit in report.
Ims@weiss.com	<u>)</u>	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.

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CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

	Sampled by:	Des		Laborat	ory Name:	С&Т					Site Name:	McGrath Stee	1
	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
٦Z	B-14-5,	12/21/05	1040	1	S/T	2x,0,	None	N	Ŷ	N	TPH-Diesel	8015M	8015M Extractable. Silica gel cleanup. chromatograms of sample and standards.
-25	_ <u>B-14</u>	1	1	+	- 8/T	-2x6-	None	. ₩	Υ-		TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	8015M Purgeable. Include TAME, ETBE, DIPE, TBA, EDB, and EDC.
24	B-14-10 .		1160	1	S/T	2x6	None	N	Y	N	TPH-Diesel	8200B 8015M	8015M Extractable. Silica gel cleanup.
21	<u>_B_i4</u>		J.	<u>_</u>	- S/T	-2x6	None	-1	*	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	chromatograms of sample and standards. 8015M Purgeable. Include TAME,
95	B-14- <u>16</u> *		1120	1	S/T	2x6/12	None	N	Y	N	TPH-Diesel	8200B 8015M	ETBE, DIPE, TBA, EDB, and EDC. 8015M Extractable. Silica gel cleanup.
27	- <u>B-14</u>	Ţ	Ţ	-+	~ \$/T	-2xó	.None.	₩	¥	~N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	chromatograms of sample and standards. 8015M Purgeable. Include TAME,
\mathcal{A}	MW-3 >	12/2005	805	1	W/A	1 L	None	N	Y	N	TPH-Diesel	8200B 8015M	ETBE, DIPE, TBA, EDB, and EDC. 8015M Extractable. Silica gel cleanup.
~db	MW-3	12/20/05	805	4	W/V	40 ml	HCI	N	Y	N	TPH-Gas, BTEX, MTBE+Gas Ox	8015M 8260B	chromatograms of sample and standards. 8015M Purgeable. Include TAME,
-27	Travel ` Blank	12/20/05	700	I	W/V	40 ml	HCI	N	Y	Hold	$\frac{\text{MTBL} + \text{Oas OX}}{\text{BTEX} + \text{MTBE}}$ $+ \text{Gas Ox}$	8260B 8260B	ETBE, DIPE, TBA, EDB, and EDC. Include TAME, ETBE, DIPE, TBA, EDB, and EDC. Hold.
-28	Travel . Blank	12/21/05	715	۱	w/v	40m1	HCI	2	Y	Hold	BTEX + MTSE + GAUDX	8260B	Incl. TAME ETHE, DIFE TBA, EDS, and EDC, Hold
	1 Parali	12/22/050	2 (600)		Ø	3			L				
	Released by (Signature), 1 1 (Affiliation) = 44	Date, Time				Released by (Si 3 (Affiliation)	gnature), Date, Ti	ine			Released by (Signature), Date, 5 (Affiliation)	Time	
	2	<u>~ //~</u>	<u>></u>			4					6		
	Received by (Signature), 2 (Affiliation)	Date, Time	12/22	05	900	Received by (Surgature) Date Time Received by (Surgature) Date Time							
	I = Sample Type Co Cap Codes: PT = P			ribe Other; 2 = Filtered (Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other; 3 = Refrigerated (Y/N) 4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)							
	X = Samples stor								. runnarou	<u>na. 11 – 11011</u>	$\frac{1}{1}$		

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

Intact/cold 7400 (2.22-05