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TRANSMITTAL MEMORANDUM	
TO: **LOCAL OVERSIGHT PROGRAM** **ENVIRONMENTAL HEALTH SERVICES** **ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY** **1131 HARBOR BAY PARKWAY** **ALAMEDA, CALIFORNIA 94502-6577**	**DATE:** **OCTOBER 11, 2004**
ATTENTION: **MR. DON HWANG**	**FILE:** **SES 2003-43**
SUBJECT: **OAKLAND AUTO WORKS** **240 W. MACARTHUR BLVD** **OAKLAND, CALIFORNIA** **ACEH FUEL LEAK CASE NO. R00000142**	
WE ARE SENDING: ☒ HEREWITH	☐ UNDER SEPARATE COVER
☒ VIA MAIL	☐ VIA
THE FOLLOWING: THIRD QUARTER 2004 GROUNDWATER MONITORING REPORT (1 COPY)	
☐ AS REQUESTED	☐ FOR YOUR APPROVAL
☐ FOR REVIEW	☒ FOR YOUR USE
☐ FOR SIGNATURE	☒ FOR YOUR FILES
COPY TO: **MR. GLEN POY-WING** **OAKLAND AUTO WORKS** **240 WEST MCARTHUR BLVD.** **OAKLAND, CA 94711**	**BY:** BRUCE RUCKER

THIRD QUARTER 2004
GROUNDWATER
MONITORING REPORT

440 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

Prepared for:

Mr. Glen Fry, Jr.
Oakland Auto Works
Oakland, California

October 2004

STELLAR
Environmental Solutions, Inc.

STELLAR
ENVIRONMENTAL SOLUTIONS, INC.

2198 SIXTH STREET, SUITE 201 · BERKELEY, CA 94710
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GEOSCIENCE & ENGINEERING CONSULTING

October 11, 2004

Mr. Don Hwang
Hazardous Materials Specialist
Alameda County Environmental Health Department
Local Oversight Program
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: Third Quarter 2004 Groundwater Monitoring Report
Oakland Auto Works Facility – 240 W. MacArthur Boulevard, Oakland, California
Alameda County Health Department Fuel Leak Case No. RO0000142

Dear Mr. Hwang:

Enclosed is the Stellar Environmental Solutions, Inc. (SES) report summarizing recent activities conducted at the referenced site. This report presents the findings of the Third Quarter 2004 groundwater monitoring event (the 24th site groundwater monitoring event since August 1997).

If you have any questions regarding this report, please contact us at (510) 644-3123.

Sincerely,

Bruce M. Rucker, R.G., R.E.A.
Project Manager

REGISTERED GEOLOGIST
BRUCE M. RUCKER
No. 6814
Exp. 9/05
STATE OF CALIFORNIA

Richard S. Makdisi, R.G., R.E.A.
Principal

cc: Mr. Glen Poy-Wing, Property Owner

THIRD QUARTER 2004 GROUNDWATER MONITORING REPORT

240 W. MACARTHUR BOULEVARD OAKLAND, CALIFORNIA

Prepared for:

MR. GLEN POY-WING
OAKLAND AUTO WORKS
240 W. MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA 94612

Prepared by:

STELLAR ENVIRONMENTAL SOLUTIONS, INC.
2198 SIXTH STREET
BERKELEY, CALIFORNIA 94710

October 11, 2004

Project No. 2003-43

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1.0 INTRODUCTION

PROJECT BACKGROUND

The subject property, located at 240 W. MacArthur Boulevard, Oakland, Alameda County, California, is owned by Glen Poy-Wing and his wife of Oakland Auto Works, for whom Stellar Environmental Solutions, Inc. (SES) has provided environmental consulting services since July 2003. The site has undergone contaminant investigations and remediation since 1991 (discussed below). A list of all known environmental reports is included in Section 6.0, References and Bibliography. This report presents finding for the 24th site groundwater monitoring event since monitoring began in August 1997.

In 2002, the current property owners purchased the property and assumed responsibility for continued environmental investigations. The property was formerly owned by Mr. Warren Dodson (Dodson Ltd.) and operated as Vogue Tyres.

REGULATORY STATUS

The Alameda County Environmental Health Department (Alameda County Health) is the lead regulatory agency for the case, acting as a Local Oversight Program (LOP) for the Regional Water Quality Control Board – San Francisco Bay Region (RWQCB). There are no Alameda County Health or RWQCB cleanup orders for the site; however, all site work has been conducted under oversight of Alameda County Health. In our August 2003 review of the Alameda County Health case file, we determined that all known technical reports for the site were included in that file.

The previous consultant requested site closure in March 2003 (AEC, 2003a). Alameda County Health denied that request and, in a letter dated April 16, 2003, requested additional site characterization prior to considering case closure. That work was subsequently conducted by SES, and was summarized in our April 2004 Soil and Groundwater Investigation Report (SES, 2004c). Alameda County Health has not yet responded to that report.

The site is in compliance with State of California "GeoTracker" requirements. Tasks conducted include: uploading field point (well) names; surveying groundwater monitoring well horizontal and vertical coordinates, and uploading that data; and uploading groundwater monitoring

analytical data from groundwater monitoring events conducted by SES (beginning in August 2003.

The site has been granted a Letter of Commitment (and has been receiving financial reimbursement) from the California Underground Storage Tank Cleanup Fund.

SCOPE OF REPORT

This report discusses the following activities, conducted between July 1 and September 30, 2004:

- 24th groundwater monitoring and sampling event, September 13, 2004.

SITE DESCRIPTION

The project site is located at 240 W. MacArthur Boulevard in Oakland, California (see Figure 1). The rectangular-shaped project site is approximately 14,000 square feet (140 feet long by 100 feet wide), and is oriented with its long axis parallel to W. MacArthur Boulevard (approximately northwest-southeast). The project site is essentially flat and is wholly paved. One structure currently exists on the property—an automobile servicing shop that covers approximately 50 percent of the property. The building is currently occupied by Oakland Auto Works. Figure 2 is a site plan showing adjacent land uses.

Adjacent land use includes: a Shell-branded service station (*to the south*); W. MacArthur Boulevard (*to the west*); Howe Street (*to the north*); and a paved driveway, then a multi-story (with basement) health services building (*to the east*).

HISTORICAL ENVIRONMENTAL ACTIVITIES

This section summarizes historical (prior to the current quarter) environmental remediation and site characterization activities, based on documentation provided by the current property owners as well as Alameda County Health files. Figure 2 shows the site plan with the current groundwater well and former underground fuel storage tanks (UFSTs) locations.

Historical remediation and site characterization activities include:

- **Pre-1991.** Three 10,000-gallon gasoline UFSTs from a former Gulf service station occupancy were removed prior to 1991 (there is no available documentation regarding their removals).
- **1991.** A waste oil sump was removed. Limited overexcavation was conducted, and there was no evidence of residual soil contamination, with the exception of 360 mg/kg of petroleum oil & grease (Mittelhauser Corporation, 1991b).

3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 — 1500 ft Scale: 1 : 50,000 Detail: 12-0 Datum: WGS84

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SITE LOCATION ON U.S.G.S. TOPOGRAPHIC MAP

240 W. MacArthur Blvd. Oakland, CA	By: MJC	APRIL 2004
	Figure 1	★ Stellar Environmental Solutions, Inc. Geoscience & Engineering Consulting

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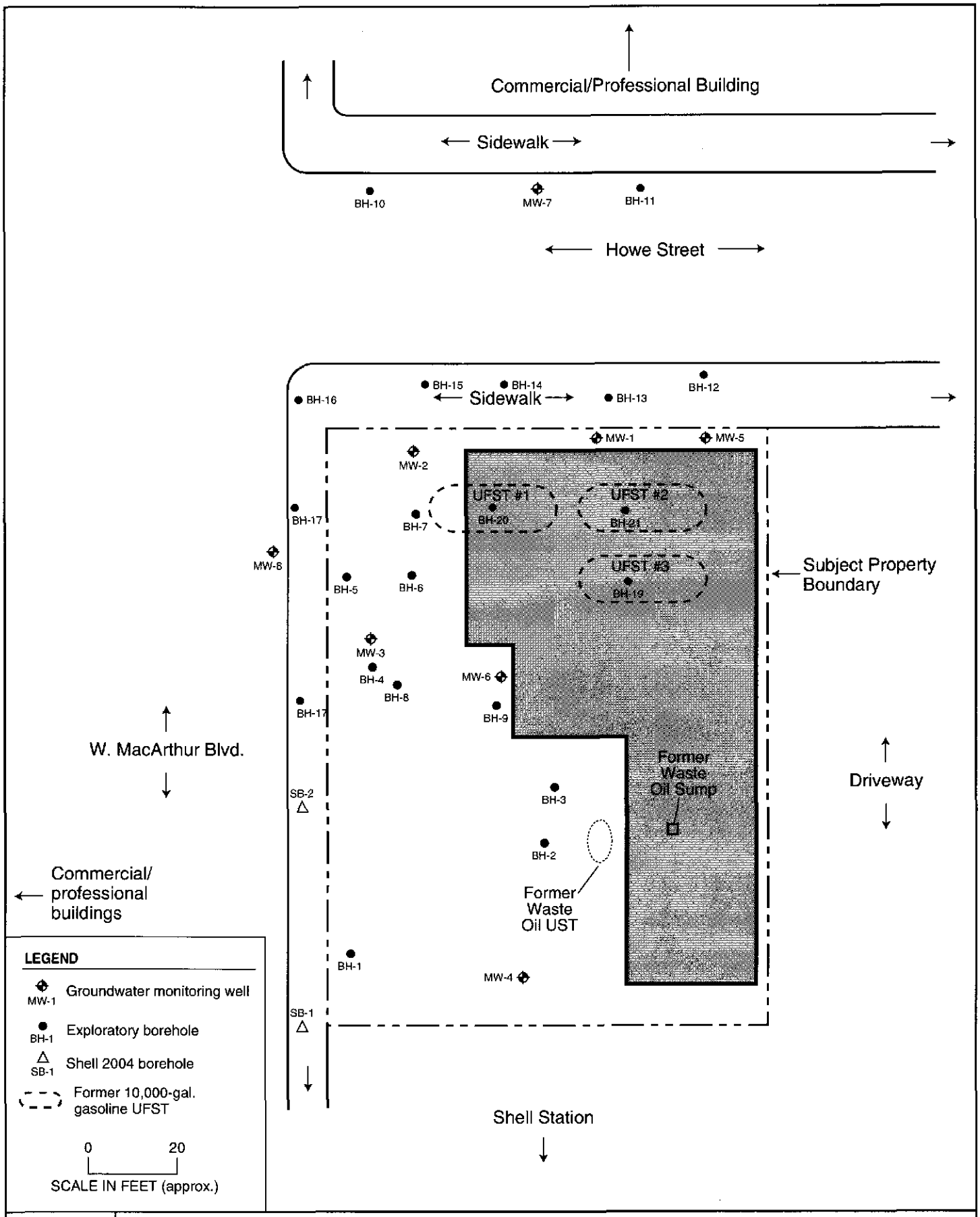


SITE PLAN WITH BOREHOLE AND GROUNDWATER WELL LOCATIONS

240 W. MacArthur Blvd. Oakland, CA	By: MJC	MAY 2004	★ Stellar Environmental Solutions, Inc. Geoscience & Engineering Consulting
	Figure 2		

2003-43-69

- **1996.** A 350-gallon waste oil UST was removed. Elevated levels of diesel and oil & grease were detected in confirmation soil samples. Subsequent overexcavation was conducted, and there was no evidence of residual soil contamination (All Environmental, Inc., 1997a).
- **January 1997.** In accordance with a request by Alameda County Health, a subsurface investigation was conducted (All Environmental, Inc., 1997b). Six exploratory boreholes were advanced to a maximum depth of 20 feet, and soil samples were collected.
- **August 1997.** Additional site characterization was conducted, which included sampling three boreholes, installing four groundwater monitoring wells, and conducting the initial groundwater sampling event.
- **February 2001.** Four additional groundwater monitoring wells were installed. Maximum historical soil concentrations were detected in well MW-5 in the northeastern corner of the subject property: 11,700 mg/kg gasoline and 25.6 mg/kg benzene (AEC, 2001b).
- **October 2001.** Short-term (less than 1-day duration) groundwater and vapor extraction from five wells was conducted over 4 days (AEC, 2001e) (referred to by that consultant as "Hi-Vac" process).
- **2003.** A sensitive receptor and vicinity water well survey was conducted.
- **April 2004.** Additional site characterization was conducted, including: advancing and sampling 12 exploratory boreholes; analyzing 64 soil and 12 grab-groundwater sample results; and further evaluating site hydrogeology and contaminant extent and magnitude.

To date, a total of 24 groundwater monitoring events have been conducted at the site.

2.0 PHYSICAL SETTING

The following evaluation of the physical setting of the site—including topography, surface water drainage, and geologic and hydrogeologic conditions—is based on previous (1991 through April 2003) site investigations conducted by others, and site inspections and groundwater monitoring data collected by SES since 2003.

TOPOGRAPHY AND SURFACE WATER DRAINAGE

The site is on a gently-sloping alluvial fan at the base of the Berkeley/Oakland Hills, which rise approximately 1,100 feet above mean sea level (amsl) and are located approximately 3 miles east of San Francisco Bay. The mean elevation of the subject property is approximately 82 feet amsl. The subject property is essentially flat, with a local topographic gradient to the west. The nearest surface water bodies are: 1) Glen Echo Creek, a northeast-southwest trending creek located approximately 800 feet southeast of the subject property; and 2) Rockridge Branch, a north-south trending creek located approximately 1,000 feet northwest of the subject property. Both creeks are culverted underground in the areas nearest to the subject property.

LITHOLOGY

A previous SES report included geologic cross-sections through the area of historical investigations (SES, 2004c). The following summarizes site lithologic conditions.

The unsaturated zone (from ground surface to approximately 20 feet below ground surface [bgs]) consists of interbedded silty/sandy clays with silty/clayey sand, with occasional gravelly zones. In the sand zones, clay and/or silt content is high, and the sand is generally very fine- to fine-grained—such that the unit is, in essence, gradational between a clayey sand and a sandy clay. The most laterally-extensive unsaturated zone unit is a sandy clay encountered between ground surface and approximately 15 feet, locally pinching out and displaying lenticular form. Locally, this unit is interbedded with a sandy clay. The sediment types and geometry are suggestive of channel deposits, which is a common depositional facies in this area.

Depth to groundwater in all onsite April 2004 boreholes was approximately 20 to 21 feet bgs, predominantly in a saturated, loose, clayey sand. The saturated portion of this clayey sand constitutes the bottom of the unit; the saturated zone is approximately 0.5 to 2.5 feet thick, underlain in all boreholes by a cohesive, non-water-bearing clay. The top of this clay was consistently at a depth between approximately 21 and 23 feet. Of the 12 boreholes, 9 were

advanced at least 1.5 feet into this clay before terminating (and not encountering visible moisture or sand). One of the boreholes was advanced deeper, documenting a thickness of at least 4.5 feet. The lithologic data (supported by soil sample analytical data) strongly suggest that this clay unit inhibits downward migration of groundwater contamination.

The site lithology is consistent with that documented at the adjacent Shell service station site. Specifically, those boreholes have documented the thin upper, water-bearing zone underlain by the likely non-water-bearing clay unit. In three of the four Shell well boreholes, that clay unit was at least 2 feet thick. In one of the well boreholes, the clay unit was underlain by a saturated clayey sand unit (from approximately 22 to 25.5 feet bgs, which was underlain by a non-water-bearing clay). There are insufficient data to conclude whether the second deepest saturated clayey sand is connected to the more shallow sitewide saturated zone. The subsequent (March 2004) Shell boreholes SB-1 and SB-2 (between the Shell wells and the subject property) all terminated at 20 feet bgs, which was too shallow to encounter the underlying clay unit.

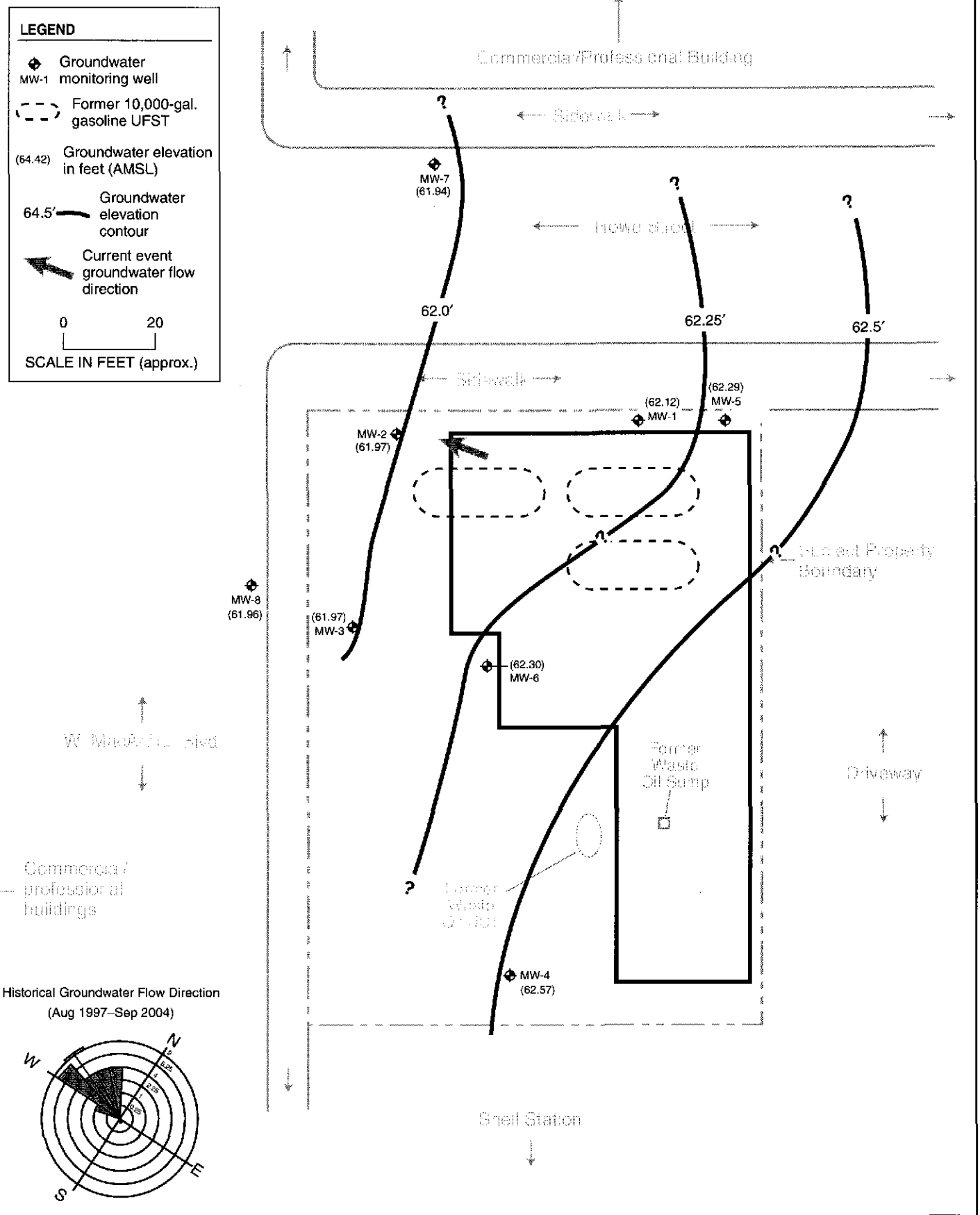
GROUNDWATER HYDROLOGY

The number and positioning of the existing eight site monitoring wells is currently adequate to evaluate the general groundwater flow direction and gradient. Four of the wells (MW-1, MW-2, MW-3, and MW-4) are screened between approximately 25 and 15 feet bgs, and the other four (MW-5, MW-6, MW-7, and MW -8) are screened at a depth of 10 to 20 feet.

Following the September 26, 2003 well surveying, SES evaluated groundwater flow direction of events (from October 2001 to March 2003), finding groundwater flow to be generally westward, with a slight northern component in some events. Figure 4 is a groundwater elevation map that shows elevations and contours from the current (September 2004) groundwater monitoring event. Groundwater flow direction in this event was to the west. A generally westward (with a slight southern component) groundwater flow direction has also been measured at the adjacent Shell-branded service station (Cambria Environmental Technology, 2004). Subject property groundwater gradient in the September 2004 event was relatively flat, at approximately 0.005 feet/foot. Historical groundwater gradient has varied between approximately 0.002 feet/foot and 0.008 feet/foot, averaging approximately 0.005 feet/foot.

Figure 3 includes a rose diagram that shows historical groundwater flow direction measured at the site. The rose diagram is a histogram that has been wrapped around a circle and has the following characteristics:

- Each wedge represents a 15-degree arc of groundwater flow direction.
- The length of each wedge (circle radius) represents the number of sampling events with data falling within the 15-degree arc.



	GROUNDWATER ELEVATION MAP—September 13, 2004		
240 W. MacArthur Blvd. Oakland, CA	By: MJC	SEPTEMBER 2004	★ Stellar Environmental Solutions, Inc. Geoscience & Engineering Consulting
	Figure 3		

2003-43-86

- The bold black line from the center of the circle to the outer edge is the mean groundwater flow direction.
- The arcs extending to either side of the mean groundwater flow direction line represent the 95-degree confidence interval of the data.

Historical equilibrated water levels (in wells) have been measured at depths of approximately 13 to 16 feet (slightly higher than first occurrence of groundwater encountered during drilling), indicating that groundwater occurs under slightly confining conditions. The range of water level elevations has varied by approximately 3 feet, and shows a strong seasonal variation, with highest elevations during the rainy winter-spring seasons and lowest elevations during the dry summer-fall seasons.

3.0 SEPTMEBER 2004 GROUNDWATER MONITORING AND SAMPLING

This section presents the groundwater sampling and analytical methods for the current event (Third Quarter 2004), conducted on September 13, 2004. Table 1 summarizes monitoring well construction and groundwater monitoring data. Groundwater analytical results are presented and discussed in Section 5.0. Monitoring and sampling protocols were in accordance with the SES technical workplan (SES, 2003) submitted to Alameda County Health, and subsequent technical revision requested by Alameda County Health. The September 2004 groundwater sampling event involved the collection of one set of "post-purge" samples from all wells, in accordance with recent revisions to the quarterly monitoring program approved by Alameda County Health. Specific activities for this event included:

- Measuring static water levels and field measurement of "pre-purge" groundwater samples for hydrogeochemical parameters (temperature, pH, electrical conductivity, turbidity, and dissolved oxygen) in the eight site wells;
- Collecting "post-purge" groundwater samples from the eight onsite wells for field measurement of the aforementioned hydrogeochemical parameters, and for offsite laboratory analyses for contaminants of concern.

The locations of all site monitoring wells are shown on Figure 2. Well construction information and water level data are summarized in Table 1. All site wells are 2-inch-diameter PVC, although the borehole geologic logs for MW-1 through MW-4 completed by the previous consultant mistakenly indicated that they are 4-inch-diameter. Appendix A contains the groundwater monitoring field records for the current event.

Groundwater monitoring well water level measurements, sampling, and field analyses were conducted by Blaine Tech Services (San Jose, California) on September 13, 2004, under the direct supervision of SES personnel. To minimize the potential for cross-contamination, wells were purged and sampled in order of increasing contamination (based on the previous quarter analytical results).

As the first monitoring task, static water levels were measured in the eight site wells using an electric water level indicator. Grab-groundwater samples were then collected from each well

Table 1
Groundwater Monitoring Well Construction and Groundwater Elevation Data
240 W. MacArthur Boulevard, Oakland, California

Well	Well Depth (feet bgs)	Well Screened Interval		Groundwater Level Depth [a] September 13, 2004	Groundwater Elevation [b] September 13, 2004
		Depth (feet)	Elevation (feet)		
MW-1	25	19.5 to 24.5	54.5 to 49.5	17.03	62.12
MW-2	25	14.5 to 24.5	64.2 to 54.2	16.48	61.97
MW-3	25	14.5 to 24.5	63.4 to 53.4	15.61	61.97
MW-4	25	14.5 to 24.5	63.6 to 53.6	15.17	62.57
MW-5	20	9 to 19	70.6 to 60.6	17.07	62.29
MW-6	20	9 to 19	69.7 to 59.7	16.13	62.3
MW-7	20	9 to 19	69.6 to 59.6	16.33	61.94
MW-8	20	9 to 19	67.7 to 57.7	14.43	61.96

Notes:

[a] Pre-purge measurement, feet below top of well casing.

[b] Pre-purge measurement, feet above mean sea level.

(using a new disposable bailer) and field-analyzed for aquifer stability parameters—including temperature, pH, electrical conductivity, turbidity, and dissolved oxygen.

Each well was then purged (by hand bailing with a new disposable bailer) of three wetted casing volumes, and aquifer stability parameters (pH, temperature, electrical conductivity, and turbidity) were measured between each purging. When measurements indicated that representative formation water was entering the well, a groundwater sample set was collected from each well with the purging bailer. These samples were field-measured for pH, temperature, electrical conductivity, turbidity, and dissolved oxygen. Samples were then transferred to appropriate sampling containers (40-ml VOA vials with hydrochloric acid preservative, and 1-liter amber glass jars), labeled, and placed in coolers with "blue ice." All groundwater samples were managed under chain-of-custody procedures from the time of sample collection until samples were received in the laboratory.

Wastewater (purge water and equipment decontamination rinseate) was containerized in a labeled, 55-gallon steel drum that will be temporarily stored on site. This non-hazardous water will continue to be accumulated onsite until it is cost-effective to coordinate its disposal, at which time it will be profiled and disposed of at a permitted wastewater treatment facility.

4.0 REGULATORY CONSIDERATIONS, ANALYTICAL RESULTS AND FINDINGS

This section presents analytical results of the most recent monitoring event, preceded by a summary of relevant regulatory considerations. Tables 2 and 3 summarize the contaminant analytical results of the current monitoring event. Appendix B contains the certified analytical laboratory report and chain-of-custody record. Appendix C contains historical site groundwater monitoring well analytical data.

REGULATORY CONSIDERATIONS

Environmental Screening Levels

There are no published cleanup goals for detected site contaminants in groundwater. The RWQCB has published "Environmental Screening Levels" (ESLs), which are screening-level concentrations for soil and groundwater that incorporate both environmental and human health risk considerations, and are used as a preliminary guide in determining whether additional remediation and/or investigation are warranted. The ESLs are not cleanup criteria; rather, they are conservative screening-level criteria designed to be protective of both drinking water resources and aquatic environments in general. The groundwater ESLs are composed of one or more components, including ceiling value, human toxicity, indoor air impacts, and aquatic life protection. Exceedance of ESLs suggests that additional remediation and/or investigation may be warranted, such as monitoring plume stability to demonstrate no risk to sensitive receptors in the case of sites where drinking water is not threatened.

The City of Oakland, via its Urban Land Redevelopment (URL) Program, utilizes a similar ESL approach in evaluating whether active remediation is necessary at sites proposed for redevelopment. This program is not currently applicable to the site, as no redevelopment is proposed.

For all site contaminants with published drinking water standards (BTEX and MTBE), the drinking water standards are equal to or greater than the published ESLs.

Sensitive Receptors

Risk evaluation commonly includes the identification of sensitive receptors, including vicinity groundwater supply wells. As discussed in a previous report (SES, 2004c), the California

Table 2
Groundwater Sample Analytical Results – September 13, 2004
Hydrocarbons, BTEX, and MTBE [a]
240 W. MacArthur Boulevard, Oakland, California

Well	TVHg	TEHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1	9,100	97	920	19	82	201	7.2
MW-2	1,500	280	14	*< 0.5*	*< 0.5*	0.6	130
MW-3	5,400	1,500	70	3.2	16	12.7	110
MW-4	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	2.3
MW-5	13,000	1,900	580	240	260	1,260	*< 4.2*
MW-6	350	600	*< 0.5*	2.4	*< 0.5*	*< 0.5*	*< 0.5*
MW-7	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
MW-8	280	2,600	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	120
RWQCB Environmental Screening Levels [b]							
	NLP	NLP	1.0	40	30	20	5.0
Drinking Water Standards [c]							
	100	100	1.0 [d]	40	30	13	5.0

Notes:

[a] All concentrations in micrograms per liter (µg/L), equivalent to parts per billion (ppb).

[b] For commercial/industrial sites where a known or potential drinking water resource is threatened.

[c] Drinking water standards are State of California Secondary Maximum Contaminant Levels (MCLs) – Proposed, unless specified otherwise.

[d] State of California Primary MCL.

MTBE = Methyl *tertiary*-butyl ether
TEHd = Total extractable hydrocarbons - diesel range
TVHg = Total volatile hydrocarbons - gasoline range

NA = Not analyzed for this contaminant.
NLP = No level published.

Department of Water Resources identified only one groundwater supply well within 1,500 feet of the site. Based on its distance and upgradient location relative to the site, there is no reasonable potential for this well to intercept shallow groundwater emanating from the subject property.

As specified in the RWQCB's San Francisco Bay Region Water Quality Control Plan, all groundwaters are considered potential sources of drinking water unless otherwise approved by the RWQCB, and are assumed to ultimately discharge to a surface water body and potentially impact aquatic organisms. In the case of groundwater contamination, ESLs are published for

Table 3
Groundwater Sample Analytical Results – September 13, 2004
Lead Scavengers and Fuel Oxygenates [a]
240 W. MacArthur Boulevard, Oakland, California

Well	EDC	EDB	TBA	DIPE
MW-1	*< 5.0*	*< 5.0*	**120**	*< 5.0*
MW-2	**1.2**	*< 0.5*	**130**	**0.9**
MW-3	*< 0.5*	*< 0.5*	**82**	**1.5**
MW-4	*< 0.5*	*< 0.5*	*< 10*	*< 0.5*
MW-5	**18**	*< 4.2*	**87**	*< 4.2*
MW-6	**31**	*< 0.5*	**43**	**1.0**
MW-7	*< 0.5*	*< 0.5*	*< 10*	*< 0.5*
MW-8	*< 1.0*	*< 1.0*	**96**	**1.1**
Drinking Water Standards [b]				
	NLP	NLP	NLP	NLP
RWQCB Environmental Screening Levels [c]				
	0.5	0.05	12	NLP

Notes:

[a] All concentrations in micrograms per liter (µg/L), equivalent to parts per billion (ppb).
[b] Drinking water standards are State of California Secondary Maximum Contaminant Levels (MCLs) – Proposed, unless specified otherwise.
[c] For commercial/industrial sites where known/potential drinking water resource is threatened.

DIPE – Isopropyl Ether.
EDB = Ethylene dibromide (1,2-dibromoethane).
EDC = Ethylene dichloride (1,2-dichloroethane).
TBA = *tertiary*-Butyl alcohol.

NLP = No level published.

Table includes only detected fuel oxygenates. Appendix C contains the full list of analytical compounds.

two scenarios: groundwater *is* a source of drinking water, and groundwater *is not* a source of drinking water. Qualifying for the higher ESLs (applicable to groundwater *is not* a source of drinking water) requires meeting one of the following two criteria:

1. The RWQCB has completed the "East Bay Plain Groundwater Basin Beneficial Use Evaluation Report" (RWQCB, 1999) that delineates three types of areas with regard to beneficial uses of groundwater: Zone A (significant drinking water resource), Zone B (groundwater unlikely to be used as drinking water resource), and Zone C (shallow groundwater proposed for designation as Municipal Supply Beneficial Use). The subject site falls within Zone A.

2. A site-specific exemption can be obtained from the RWQCB. Such an exemption has not been obtained for this site.

As discussed below, multiple groundwater contaminants have been detected in excess of ESLs, for both groundwater beneficial scenarios (groundwater *is* versus *is not* a potential drinking water resource). These data indicate that continued site characterization is warranted until it can be demonstrated that site-sourced contamination poses no unacceptable risk to sensitive receptors. Our subsequent discussion of groundwater contamination is in the context of the ESL criteria for sites where groundwater *is* a potential drinking water resource.

GROUNDWATER SAMPLE ANALYTICAL METHODS

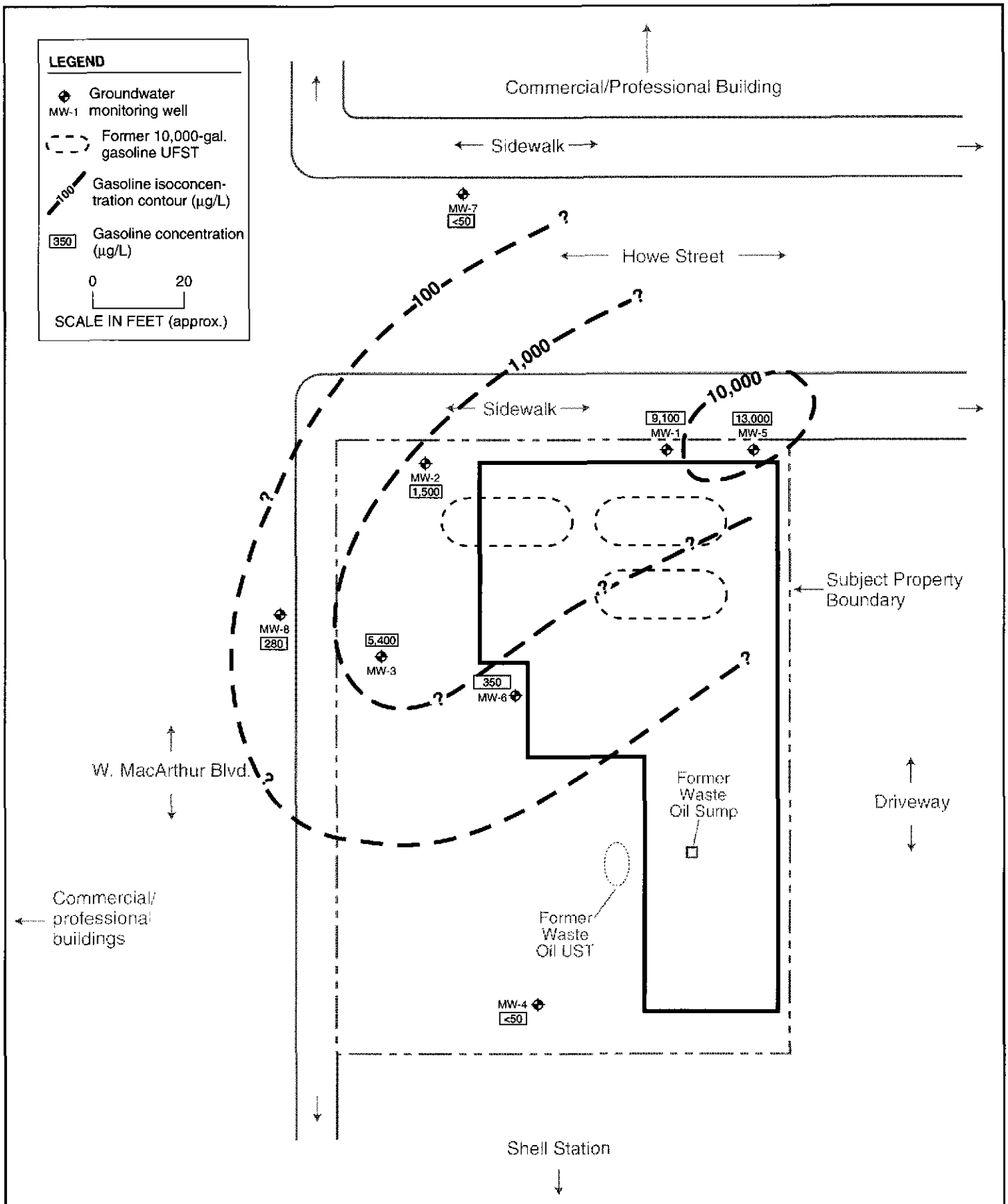
Groundwater samples were analyzed in accordance with the methods proposed in the SES technical workplan. Analytical methods included:

- Total volatile hydrocarbons – gasoline range (TVHg), by EPA Method 8015B (all wells);
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl *tertiary*-butyl ether (MTBE), by EPA Method 8260B;
- The lead scavengers 1,2-dichloroethane (EDC) and 1,2-dibromoethane (EDB), by EPA Method 8260B (wells MW-1, MW-5, and MW-6—the only wells with detectable concentrations in the previous monitoring event);
- Total extractable hydrocarbons – diesel range (TEHd), by EPA Method 8015M (all wells except MW-4 and MW-7, which historically have never detected diesel); and
- Fuel oxygenates by EPA Method 8260B.

GROUNDWATER SAMPLE RESULTS

Gasoline and Diesel

Figure 4 shows gasoline isoconcentration contours for the recent event. Gasoline was detected in all site wells except MW-4 and MW-7, with concentrations between 280 µg/L (well MW-8) and 13,000 µg/L (well MW-5). All of the gasoline concentrations exceeded the 100-µg/L ESL criterion. The gasoline plume extends to the south along the Howe Street side of the property, and to the east (toward well MW-4). To the south, the plume extends somewhat offsite into W. MacArthur Boulevard. Well MW-5, at the northern corner of the site, near the original source area, had the highest gasoline concentration, as it has historically. The gasoline plume extends offsite to the north (beneath Howe Street).



N	GASOLINE ISOCONCENTRATION CONTOURS (SEPTEMBER 2004)		
240 W. MacArthur Blvd. Oakland, CA	By: MJC	SEPTEMBER 2004	★ Stellar Environmental Solutions, Inc. Geoscience & Engineering Consulting
	Figure 4		

2003-43-87

Figure 5 shows diesel isoconcentration contours for the recent event. Diesel was detected in all six of the wells analyzed for diesel, but is of secondary concern relative to gasoline, with concentrations historically at significantly lesser levels than gasoline. Diesel concentrations ranged from 97 µg/L (well MW-1) to 5,400 µg/L (well MW-8), with all concentrations except MW-1 exceeding the 100 µg/L ESL criterion. The center of mass of the diesel plume appears to have migrated downgradient from the source area to well MW-3. The diesel plume footprint is similar to that of the gasoline plume. Diesel is present offsite under Howe Street (to the north) and under W. MacArthur Boulevard (to the west).

Benzene, Toluene, Ethylbenzene, and Total Xylenes

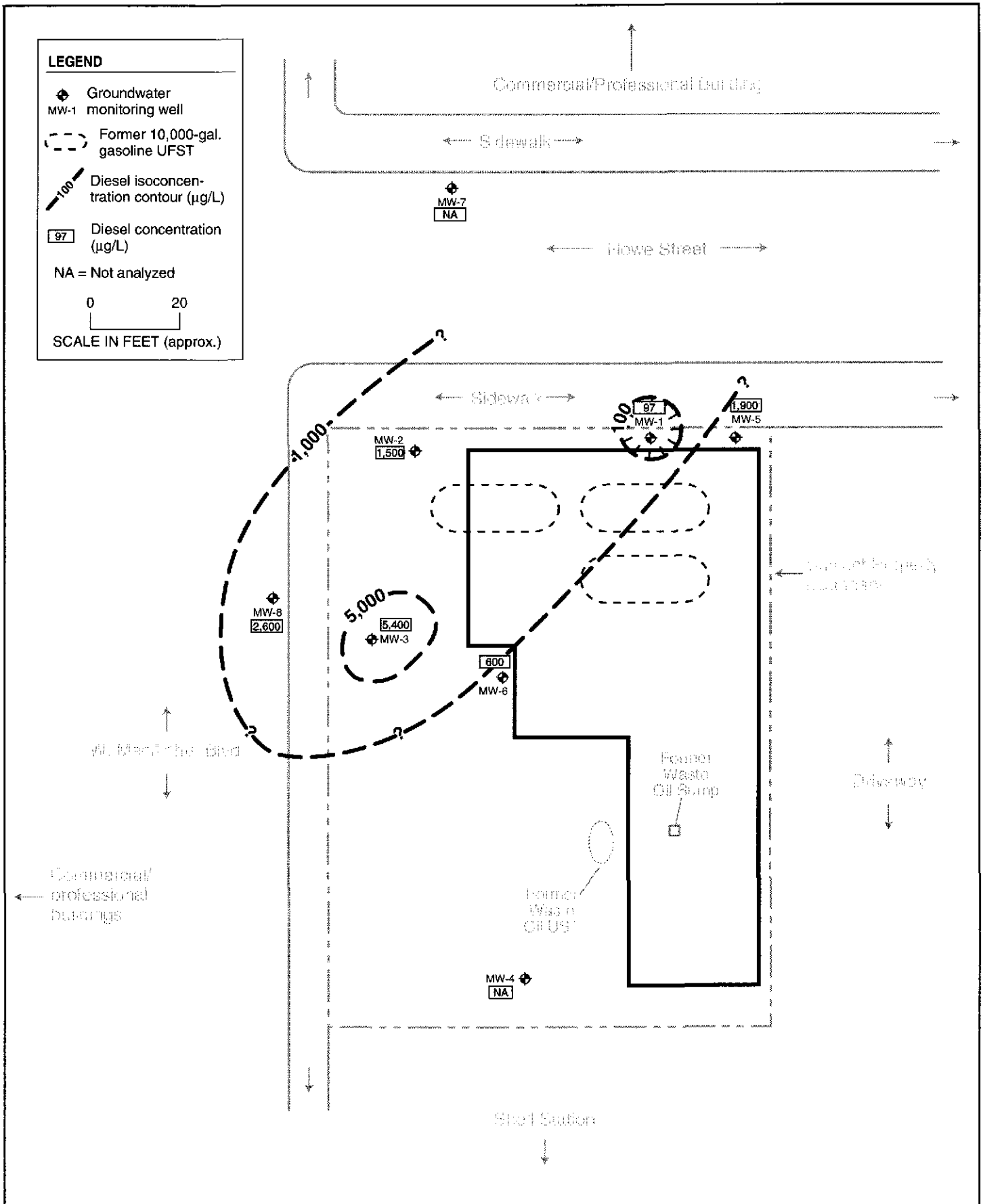
Benzene was detected in four of the eight site wells, at concentrations ranging from 14 µg/L to 920 µg/L. Figure 6 shows benzene isoconcentration contours for the recent event. Maximum benzene concentrations were detected in wells MW-1 and MW-5, as historically has been the case. The lateral extent of the benzene plume is constrained to the east. Current event well data and April 2004 borehole grab-groundwater data indicate that benzene extends across Howe Street to the north (approximately 1 to 3 µg/L), and under W. MacArthur Boulevard to the west and south (up to 73 µg/L). The benzene plume configuration is generally the same as for gasoline and diesel.

Toluene, ethylbenzene, and xylenes were detected in generally the same wells in which benzene was detected, and contaminant concentrations exceeded respective ESL criteria in several of the wells.

Methyl *tertiary*-Butyl Ether

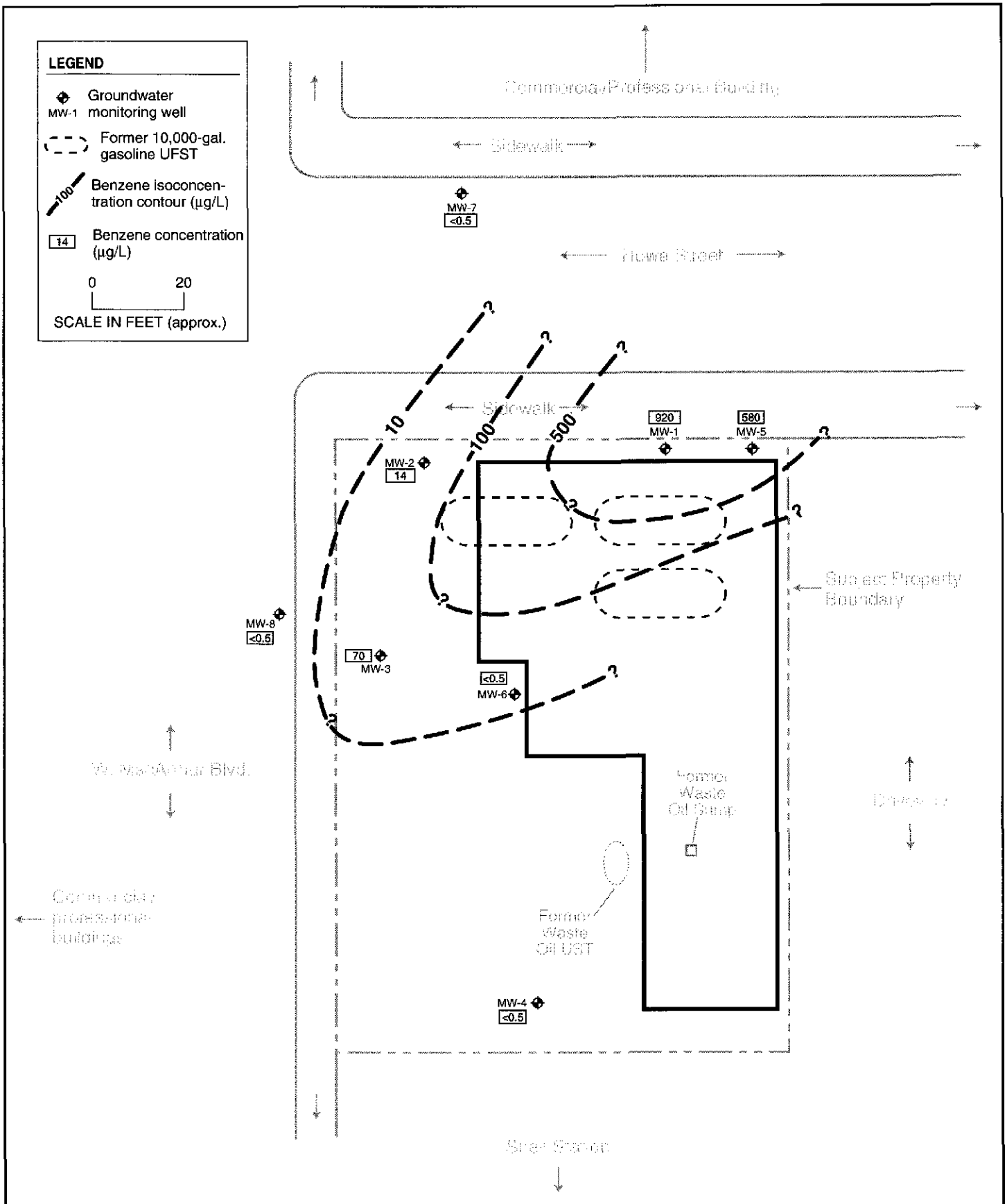
Figure 7 shows MTBE isoconcentration contours for the recent event. MTBE was detected in five of the eight site wells, at concentrations ranging from 2.3 µg/L to 130 µg/L. MTBE concentrations above 100 µg/L were present in wells MW-2, MW-3, and MW-8. The lateral extent of the MTBE plume is constrained onsite in all directions except to the south, where MTBE concentrations above 100 µg/L extends into W. MacArthur Boulevard. The center of mass of the MTBE plume has migrated downgradient from the source area to the southern side of the property (adjacent to W. MacArthur Boulevard).

As discussed in a previous report (SES, 2004c), MTBE appears to be migrating onto the subject property from the adjacent (to the east) Shell-branded service station. This contamination, however, is unrelated to the separate site-sourced MTBE contamination.



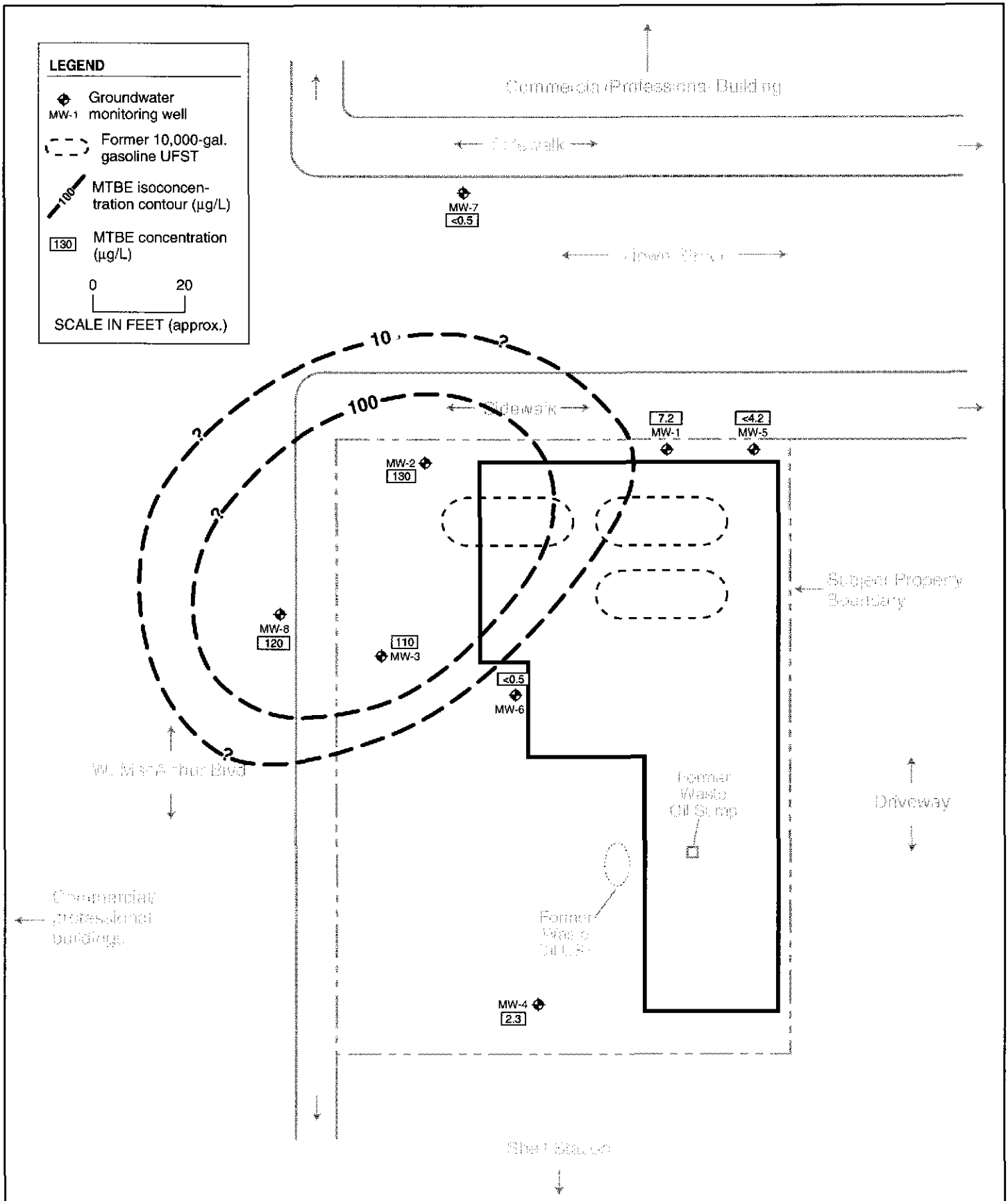
	DIESEL ISOCONCENTRATION CONTOURS (SEPTEMBER 2004)		
240 W. MacArthur Blvd. Oakland, CA	By: MJC	SEPTEMBER 2004	★ Stellar Environmental Solutions, Inc. Geoscience & Engineering Consulting
	Figure 5		

2003-43-90



BENZENE ISOCONCENTRATION CONTOURS (SEPTEMBER 2004)			
240 W. MacArthur Blvd. Oakland, CA	By: MJC	SEPTEMBER 2004	★ Stellar Environmental Solutions, Inc. Geoscience & Engineering Consulting
	Figure 6		

2003-43-89



	MTBE ISOCONCENTRATION CONTOURS (SEPTEMBER 2004)		
240 W. MacArthur Blvd. Oakland, CA	By: MJC	SEPTEMBER 2004	★ Stellar Environmental Solutions, Inc. Geoscience & Engineering Consulting
	Figure 7		

2003-43-88

Lead Scavengers and Fuel Oxygenates

In its May 3, 2004 letter, Alameda County Health requested that two lead scavengers (EDB and EDC) be analyzed in selected wells (MW-1, MW-5, and MW-6). In the current event, all wells were sampled for both analytes. EDC was detected in three of the site wells, at concentrations between 1.2 µg/L (MW-2) and 31 µg/L (MW-6), all in excess of the 0.5-µg/L ESL criterion. EDB was not detected in any of the wells.

The Alameda County Health letter stipulated that all groundwater samples from the June 2004 event be analyzed for fuel oxygenates, and that analysis for fuel oxygenates be continued in wells with detections. Only two fuel oxygenates have been detected: TBA and DIPE. In the current event, TBA was detected in six of the eight site wells, at a maximum concentration of 130 µg/L. DIPE was detected in four of the eight site wells, at a maximum concentration of 1.5 µg/L. The only wells without detected fuel oxygenates were MW-4 and MW-7.

Summary

Maximum concentrations of gasoline and benzene were detected in wells MW-5 or MW-1, located in the northeastern corner of the property (near the former UFSTs). Maximum concentrations of diesel and MTBE were detected in downgradient wells (adjacent to W. MacArthur Boulevard), indicating that the center of mass of these contaminants has migrated downgradient. Groundwater contamination extends offsite to the south and west (into Howe Street and W. MacArthur Boulevard).

QUALITY CONTROL SAMPLE ANALYTICAL RESULTS

Laboratory QC samples (e.g., method blanks, matrix spikes, surrogate spikes, etc.) were analyzed by the laboratory in accordance with requirements of each analytical method. All laboratory QC sample results and sample holding times were within the acceptance limits of the methods (Appendix C).

5.0 SUMMARY, CONCLUSIONS, AND PROPOSED ACTIONS

SUMMARY AND CONCLUSIONS

- The site has undergone site investigations and remediation since 1991 (SES has been involved since August 2003) to address soil and groundwater contamination resulting from leaking UFSTs that were reportedly removed. Alameda County Health is the lead regulatory agency.
- A total of 24 groundwater monitoring/sampling events have been conducted in the eight site wells between August 1997 and September 2004 (the most recent event).
- Additional site characterization (exploratory borehole drilling and sampling) in 2004 provided additional data on the extent and magnitude of residual soil and groundwater contamination.
- Groundwater at the site appears to be slightly confined, with a flow direction ranging between northwest and west, with a relatively flat hydraulic gradient averaging approximately 0.005 ft/ft.
- The primary site chemicals of concern, with regard to concentrations and risk issues, are gasoline, benzene, and MTBE. Diesel, aromatic hydrocarbons, lead scavengers, and fuel oxygenates are present at lesser concentrations and over a smaller area.
- As stipulated by Alameda County Health, analysis for lead scavengers will continue to be conducted in wells MW-1, MW-5, and MW-6. Fuel oxygenates were detected in those wells, and in MW-2, MW-3, and MW-8. Because lead scavengers and fuel oxygenates are analyzed by the same method at no additional cost, the responsible party has elected to continue analysis for lead scavengers and fuel oxygenates lead scavengers in all wells except MW-4 and MW-7.
- The greatest concentrations of gasoline and benzene in groundwater are located in the northern corner of the site (near the source area). Maximum groundwater contamination by diesel and MTBE was detected in the downgradient portion of the property, indicating that the center of mass of these contaminants has migrated downgradient. Groundwater contamination above ESL criteria extends offsite (likely a limited distance) beneath Howe Street and W. MacArthur Boulevard.
- A previous water well survey identified no vicinity water wells with the potential to intercept site-sourced groundwater contamination.

- Potential preferential pathways identified include deep sanitary sewer lines beneath Howe Street and W. MacArthur Boulevard (adjacent to the subject property). Based on the detection of gasoline and MTBE in well MW-7 (beyond the Howe Street deep utilities), it appears unlikely that the Howe Street deep utilities are acting as a preferential pathway for site-sourced groundwater contamination. The influence of deep utilities beneath W. MacArthur Boulevard is not known.
- The adjacent Shell service station is contributing minor MTBE groundwater contamination to the eastern corner of the subject property. This contamination is unrelated to the separate, site-sourced MTBE groundwater contamination in the northern and western portions of the subject property.
- Sufficient site characterization has been conducted to evaluate the risks associated with residual soil contamination, and to evaluate corrective action options. Alameda County Health has not yet indicated if residual contamination risks warrant conducting corrective action (active remediation) and/or additional investigation.
- The data indicate that, if corrective action is not conducted, residual site contamination will remain at elevated levels for at least several years and likely longer.
- If corrective action is deemed warranted, the appropriate next step would be to evaluate corrective action options and determine the most feasible method. The findings should be submitted to Alameda County Health for its evaluation. Implementation of additional work should be conducted following Alameda County Health directives.

PROPOSED ACTIONS

The property owner proposes to implement the following action to address regulatory concerns:

- Continue the program of quarterly groundwater sampling and reporting, with the objectives of obtaining site closure and continuing reimbursement requests under the State of California Petroleum UST Cleanup Fund.
- Continue the modified quarterly groundwater monitoring program to include analysis for fuel oxygenates and lead scavengers in all wells except MW-4 and MW-7.
- Continue to upload Electronic Data Format analytical and water level results to the California GeoTracker database.
- Follow up with Alameda County Health on its review of the previous Soil and Groundwater Investigation Report and this quarterly report, specifically with regard to whether corrective action and/or additional site characterization, beyond continued groundwater monitoring, will be required.

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7.0 LIMITATIONS

This report has been prepared for the exclusive use of the current property owners (Mr. and Mrs. Glen Poy-Wing, d.b.a. Oakland Auto Works) their representatives, and the regulators. No reliance on this report shall be made by anyone other than those for whom it was prepared.

The findings and conclusions presented in this report are based on the review of previous investigators' findings at the site, as well as site activities conducted by SES since August 2003. This report provides neither a certification nor guarantee that the property is free of hazardous substance contamination. This report has been prepared in accordance with generally accepted methodologies and standards of practice of the area. The SES personnel who performed this limited remedial investigation are qualified to perform such investigations and have accurately reported the information available, but cannot attest to the validity of that information. No warranty, expressed or implied, is made as to the findings, conclusions, and recommendations included in the report.

The findings of this report are valid as of the present. Site conditions may change with the passage of time, natural processes, or human intervention, which can invalidate the findings and conclusions presented in this report. As such, this report should be considered a reflection of the current site conditions as based on the investigation and remediation completed.

WELL GAUGING DATA

Project # 040913-MD4 Date 9/13/04 Client Stellar

Site 240 W. MacArthur Blvd, Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2	odor				17.03	24.36		
MW-2	2					16.48	24.31		
MW-3	2					15.61	24.25		
MW-4	2					15.17	24.29		
MW-5	2	odor				17.07	20.09		
MW-6	2					16.13	20.15		
MW-7	2					16.33	19.96		
MW-8	2					14.43	19.98		

WELLHEAD INSPECTION CHECKLIST

Date 9/13/04 Client Stellar Envr.

Site Address 240 W. MacArthur Blvd, Oakland

Job Number 040913-MD4 Technician MD

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1							1	
MW-2	✓							
MW-3	✓							
MW-4	✓							
MW-5	✓							
MW-6	✓							
MW-7	✓							
MW-8	✓							

NOTES: 1) No Bolts

WELL MONITORING DATA SHEET

Project #: 040913-MD4	Client: Stellar @ Oakland auto
Sampler: MD	Date: 9/13/04
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 24.36	Depth to Water (DTW): 17.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ~~18.4~~ 18.50	

Purge Method: Bailer, (Disposable Bailer), Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: _____

1.2 (Gals.) X 3 = 3.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1558	20.5	6.7	936	580	1.2	cloudy, odor
1600	20.1	6.5	1027	7000	2.4	"
1603	19.9	6.5	990	7000	3.6	cloudy, odor
					Ferrous Iron = 3.0	

Did well dewater? Yes (No) Gallons actually evacuated: 3.6

Sampling Date: 9/13/04 Sampling Time: 1610 Depth to Water: 18.50

Sample I.D.: MW-1 Laboratory: Kiff CalScience Other CTT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SeeScope

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040913-MD4	Client: Stellar @ Oakland auto
Sampler: MD	Date: 9/13/04
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 24.31	Depth to Water (DTW): & 16.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.05	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

1.3 (Gals.) X 3 = 3.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1505	21.7	6.9	684	188	1.3	cloudy, odor
1510	21.3	6.7	693	712	2.6	"
1514	21.1	6.7	695	7100	3.9	cloudy, odor
					Ferrous Iron = 1.8	

Did well dewater? Yes (No) Gallons actually evacuated: 3.9

Sampling Date: 9/13/04 Sampling Time: 1520 Depth to Water: 16.53

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other CTI

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: STL Scope

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	0.2	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELL MONITORING DATA SHEET

Project #: 060913-MW4	Client: Stellar @ Oakland
Sampler: MD	Date: 9/13/04
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 24.25	Depth to Water (DTW): ~~24.25~~ MD 15.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.34	

Purge Method: Bailer / ~~Disposable Bailer~~ / ~~Positive Air Displacement~~ / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other:_____

1.4 (Gals.) X 3 = 4.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1533	22.3	7.0	802	71000	1.4	cloudy, odor
1535	21.9	6.7	801	71000	2.8	"
1538	22.1	6.7	791	71000	4.2	cloudy, odor
					Ferrous Iron = 2.4	

Did well dewater? Yes (No) Gallons actually evacuated: 4.2

Sampling Date: 9/13/04 Sampling Time: 1545 Depth to Water: 15.61

Sample I.D.: MW-3 Laboratory: Kiff CalScience Other CT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Scope

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:		mg/L	(Post-purge):	0.4 mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040913-MD4	Client: Stellar@Oakland
Sampler: MD	Date: 9/13/04
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): ~~15.17~~ 24.29	Depth to Water (DTW): ~~24.29~~ 15.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.99	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

1.5 (Gals.) X	3	= 4.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1303	22.2	6.3	540	71000	1.5	cloudy, tan
1306	21.0	6.2	545	71000	3	"
1309	20.7	6.2	571	71000	4.5	cloudy, tan
					Ferrous Iron = 0.0	

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 9/13/04 Sampling Time: ~~13~~ 1325 Depth to Water: 16.99

Sample I.D.: MW-4 Laboratory: Kiff CalScience Other CT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Scope

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.7	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELL MONITORING DATA SHEET

Project #: 040913-MD4	Client: Stellar @ Oakland
Sampler: MD	Date: 9/13/04
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 20.09	Depth to Water (DTW): 17.07
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.67	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

0.5 (Gals.) X 3 = 1.5 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1621	70.6	6.6	900	661	0.5	cloudy, sheen, odor
1623	19.8	6.6	834	7100D	1	"
1625	20.4	6.6	834	7100D	1.5	cloudy, sheen, odor
					Ferrous Iron = 3.8	

Did well dewater? Yes (No) Gallons actually evacuated: 1.5

Sampling Date: 9/13/04 Sampling Time: 1630 Depth to Water: 17.45

Sample I.D.: MW-5 Laboratory: Kiff CalScience Other CTI

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Scope

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.9	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELL MONITORING DATA SHEET

Project #: 040913-MD4	Client: Stellar Envr. @ Oakland Auto
Sampler: MD	Date: 9/13/04
Well I.D.: MW-6 mw	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): ~~16.75~~ 20.15	Depth to Water (DTW): ~~20.15~~ 16.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	16.93

Purge Method: Bailer, (Disposable Bailer), Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: _____

0.6 (Gals.) X 3 = 1.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1412	21.8	6.8	1052	71000	1.6	cloudy, odor
1415	21.5	6.8	1055	71000	1.2	"
1417	21.4	6.7	1057	71000	1.8	Cloudy, odor
					Purge Complete	
					DTW = 17.75	

Did well dewater? Yes (No) Gallons actually evacuated: 1.8

Sampling Date: 9/13/04 Sampling Time: 1700 Depth to Water: 16.55

Sample I.D.: MW-6 Laboratory: Kiff CalScience Other CTT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: Stl Scope

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.9	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELL MONITORING DATA SHEET

Project #: 040913-MM4	Client: Stellar @ Oakland
Sampler: MM	Date: 9/13/04
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.96	Depth to Water (DTW): 16.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.06	

Purge Method: Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other: _____

.6 (Gals.) X	3	= 1.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1347	21.5	6.9	756	71000	.6	cloudy, tan
1349	21.1	6.7	793	71000	1.2	cl
1351	21.0	66	804	71000	1.8	cloudy, tan
					Ferrous Iron = 2.4	

Did well dewater? Yes (No) Gallons actually evacuated: 1.8

Sampling Date: 9/13/04 Sampling Time: ~~1450~~ 1400 Depth to Water: 17.06

Sample I.D.: MW-7 Laboratory: Kiff CalScience Other CTT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Sept

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.6	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELL MONITORING DATA SHEET

Project #: 040913-MM4	Client: Stellar @ Oakley
Sampler: ~~MM~~ MD	Date: 9/13/04
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.98	Depth to Water (DTW): 14.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.54	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

0.9 (Gals.) X 3 = 2.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1432	21.8	7.1	513	71000	0.9	Cloudy
1434	21.4	6.8	504	71000	1.8	"
1436	21.2	6.8	542	>1000	2.7	Cloudy
					Furnace Error = 0.0	

Did well dewater? Yes (No) Gallons actually evacuated: 2.7

Sampling Date: 9/13/04 Sampling Time: 1440 Depth to Water: 15.24

Sample I.D.: MW-8 Laboratory: Kiff CalScience Other CTT

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Scope

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.3	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

Chain of Custody Record

Lab job no. 040913-MD4
Date 9/13/04
Page 1 of 1

Laboratory: Curtis & Tompkins
Address: 2323 Fifth St, Berkeley, CA
Method of Shipment: Courier
Shipment No.:
Airbill No.:
Cooler No.:
Project Owner: Stellar
Site Address: 2198 Sixth St, Berkeley, CA
Project Manager: Bruce Rucker
Telephone No. (510) 644-3123
Fax No. (510) 644-3859
Project Name: Oakland Auto Works
Project Number: 040913-MD4
Samplers: (Signature)

Analysis Required: 4 TVH-Gas (8015M); TEH-D (8015M); BTEX/MTBE + EDB, EDC (8260B); 5 Oxygenates (8260B)

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	4 TVH-Gas (8015M)	TEH-D (8015M)	BTEX/MTBE + EDB, EDC (8260B)	5 Oxygenates (8260B)						Remarks
MW-1		9/13/04	1610		3 VOAs 2 1L Ambers	✓			5	X	X	X	X						
MW-2		↓	1520		3 Voas 1L Ambers	✓			4	X	X	X	X						
MW-3		↓	1545		3 VOAs 2L Ambers	✓	✓		5	X	X	X	X						
MW-4		↓	1325		3 VOAs	✓	✓		3	X		X	X						
MW-5		↓	1630		3 VOAs 2 1L Ambers	✓	✓		5	X	X	X	X						
MW-6		↓	1700		3 VOAs 2 1L Ambers	✓	✓		5	X	X	X	X						
MW-7		↓	1420		3 VOAs	✓	✓		3	X		X	X						
MW-8		↓	1440		3 VOAs 2 1L Ambers	✓	✓		5	X	X	X	X						

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature [signature]	9/14/04	Signature [signature]		Signature		Signature	
Printed John DeBorg	Time 1320	Printed Tony Rojas	Time	Printed	Time	Printed	Time
Company Blaine Tech		Company C&T		Company		Company	

Turnaround Time:
Comments: RECEIVED ON ICE

Relinquished by:	Date	Received by:	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	

2000-06-01

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

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

Prepared for:

Stellar Environmental Solutions
2198 6th Street
Suite 201
Berkeley, CA 94710

Date: 20-SEP-04
Lab Job Number: 174642
Project ID: STANDARD
Location: Oakland Auto Works

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

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**174642**
Client:	**Stellar Environmental Solutions**
Location:	**Oakland Auto Works**
Request Date:	**09/14/04**
Samples Received:	**09/14/04**

This hardcopy data package contains sample and QC results for eight water samples, requested for the above referenced project on 09/14/04. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
Response exceeding the instrument's linear range was observed for trifluorotoluene (FID) in MW-3 (lab # 174642-003); affected data was qualified with "b". High surrogate recoveries were observed for trifluorotoluene (FID) in MW-2 (lab # 174642-002) and MW-3 (lab # 174642-003), due to interference from coeluting hydrocarbon peaks. High surrogate recovery was observed for bromofluorobenzene (FID) in MW-3 (lab # 174642-003), due to interference from coeluting hydrocarbon peaks. No other analytical problems were encountered.

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

Volatile Organics by GC/MS (EPA 8260B):
High surrogate recovery was observed for bromofluorobenzene in the method blank for batch 94737. No other analytical problems were encountered.

Chain of Custody Record

Lab job no. 040913-MD4
Date 9/13/04
Page 1 of 1

Laboratory: Curtis & Tompkins
Address: 2323 Fifth St, Berkeley, CA
Project Owner: Stellar
Site Address: 2198 Sixth St, Berkeley, CA
Project Name: Oakland Auto Works
Project Number: 040913-MD4

Method of Shipment: Courier
Shipment No.
Airbill No.
Cooler No.
Project Manager: Bruce Rucker
Telephone No. (510) 644-3123
Fax No. (510) 644-3859
Samplers: *(Signature)*

Analysis Required

Lab #	Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	TVH-GAS (8015M)	TEH-D (8015M)	BTEX/MTBE + EDB, EDC (8260B)	5 Oxygenates (8260B)	Remarks
-1	MW-1		9/13/04	1610		3 VOAs 2 1L Ambers	✓	✓		5	X	X	X	X	
-2	MW-2		↓	1520		3 VOAs 2 1L Ambers	✓	✓		5	X	X	X	X	
-3	MW-3			1545		3 VOAs 2L Ambers	✓	✓		5	X	X	X	X	
-4	MW-4			1325		3 VOAs ~~2L Ambers~~	✓	✓		3	X	~~X~~	X	X	
-5	MW-5			1630		3 VOAs 2 1L Ambers	✓	✓		5	X	X	X	X	
-6	MW-6			1700		3 VOAs 2 1L Ambers	✓	✓		5	X	X	X	X	
-7	MW-7			1700		3 VOAs ~~2L Ambers~~	✓	✓		3	X	~~X~~	X	X	
-8	MW-8		↓	1940		3 VOAs 2 1L Ambers	✓	✓		5	X	X	X	X	

Relinquished by	Date	Received by	Date
Signature: [signature]	9/14/04	Signature: [signature]	
Printed: John DeJong	Time: 1320	Printed: Tony Rojas	Time:
Company: Blaine Tech		Company: C&T	

Relinquished by	Date	Received by	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	

Relinquished by	Date	Received by	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	

Turnaround Time:
Comments: RECEIVED ON ICE

2000-00-01

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04
Batch#:	94628		

Field ID:	MW-1	Diln Fac:	20.00
Type:	SAMPLE	Analyzed:	09/16/04
Lab ID:	174642-001		

Analyte	Result	RL
Gasoline C7-C12	9,100	1,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	70-141
Bromofluorobenzene (FID)	100	80-143

Field ID:	MW-2	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	09/15/04
Lab ID:	174642-002		

Analyte	Result	RL
Gasoline C7-C12	1,500 L Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	148 *	70-141
Bromofluorobenzene (FID)	120	80-143

Field ID:	MW-3	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	09/16/04
Lab ID:	174642-003		

Analyte	Result	RL
Gasoline C7-C12	5,400 L Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	212 *	>LR b 70-141
Bromofluorobenzene (FID)	151 *	80-143

Field ID:	MW-4	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	09/15/04
Lab ID:	174642-004		

Analyte	Result	RL
Gasoline C7-C12	ND	50

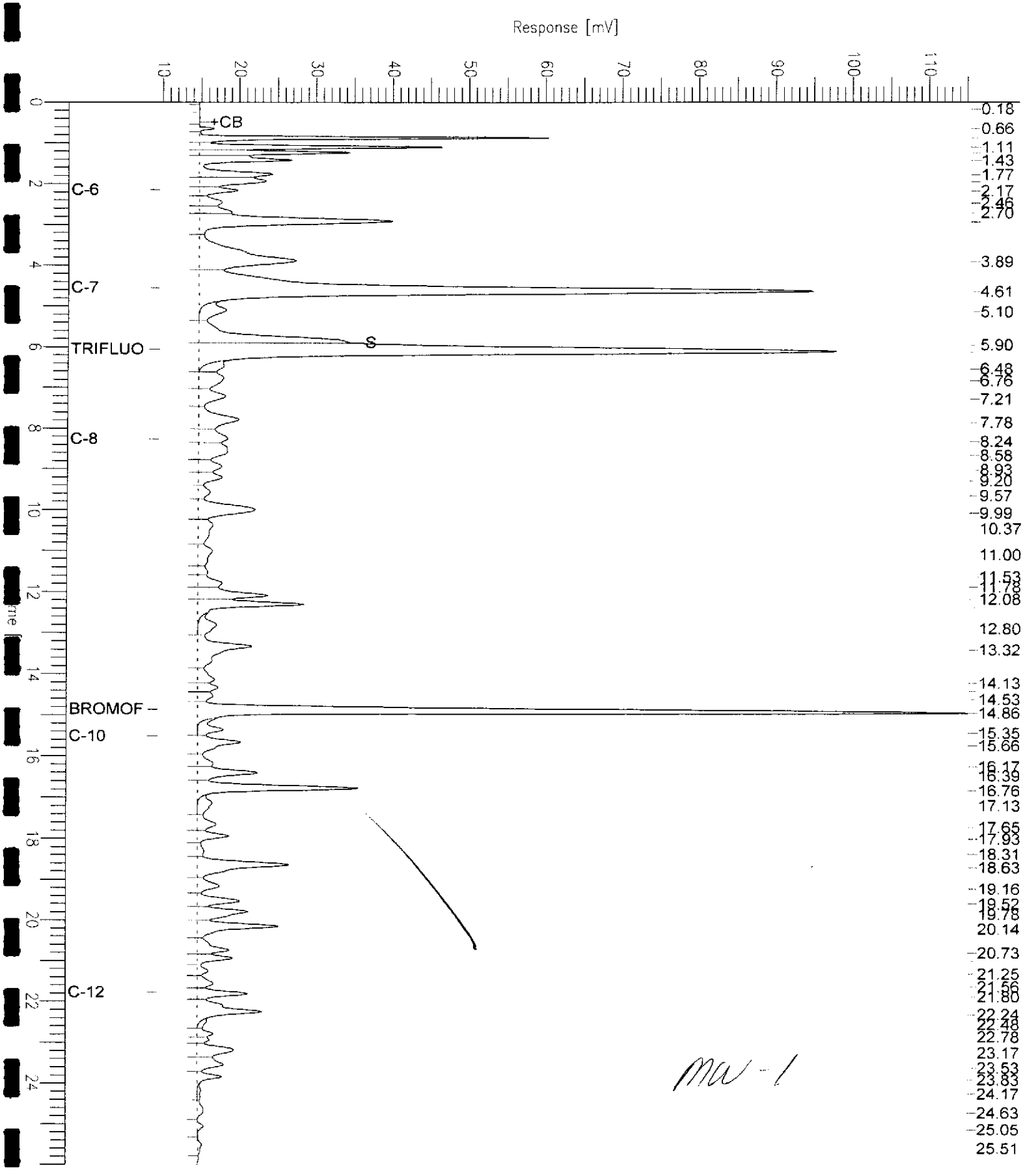
Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	70-141
Bromofluorobenzene (FID)	105	80-143

*= Value outside of QC limits; see narrative
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

GC07 TVH 'A' Data File RTX 502

Sample Name : 174642-001,94628,tvh
FileName : G:\GC07\DATA\259A029.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 10 mV

Sample #: a1.0 Page 1 of 1
Date : 9/16/04 10:29 AM
Time of Injection: 9/16/04 04:14 AM
Low Point : 9.63 mV High Point : 115.43 mV
Plot Scale: 105.8 mV

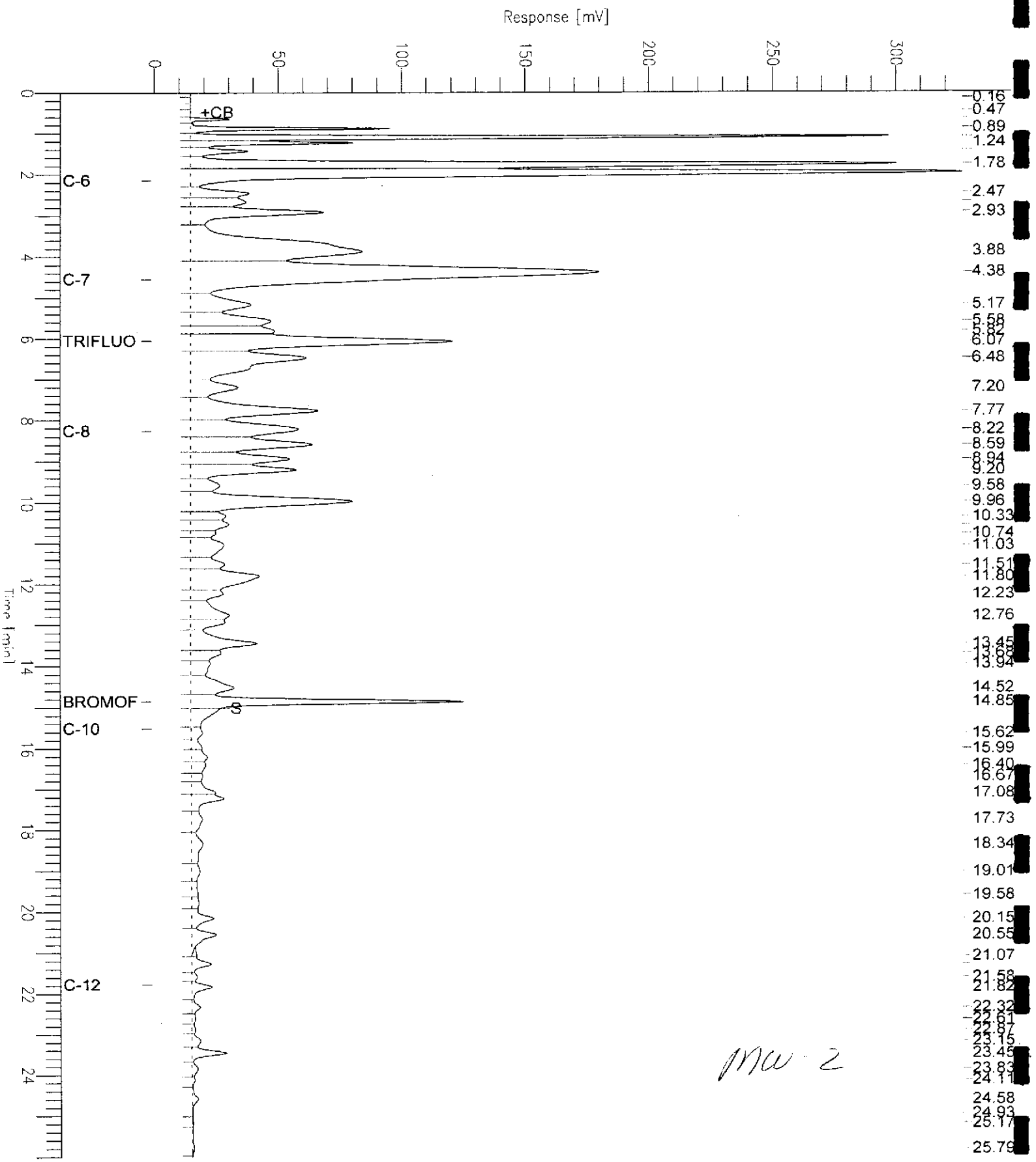


MW-1

GC07 TVH 'A' Data File RTX 502

ample Name : 174642-002,94628,tvh
ileName : G:\GC07\DATA\259A021.raw
ethod : TVHBTXE
tart Time : 0.00 min End Time : 26.00 min
cale Factor: 1.0 Plot Offset: -1 mV

Sample #: a1.0 Page 1 of 1
Date : 9/16/04 10:29 AM
Time of Injection: 9/15/04 11:34 PM
Low Point : -1.15 mV High Point : 326.91 mV
Plot Scale: 328.1 mV

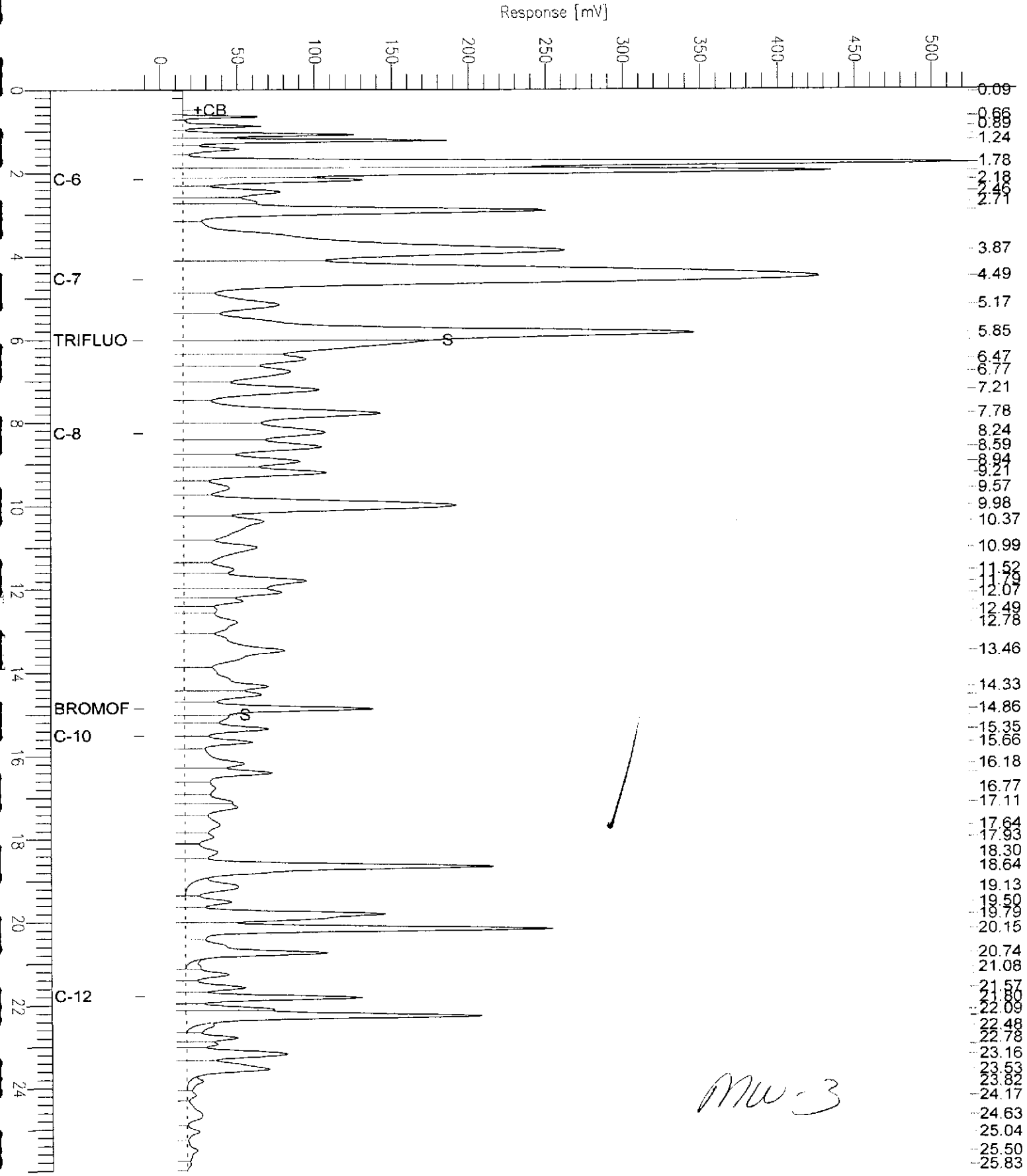


MW-2

GC07 TVH 'A' Data File RTX 502

Sample Name : 174642-003,94628,tvh
FileName : G:\GC07\DATA\259A028.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: -11 mV

Sample #: a1.0 Page 1 of 1
Date : 9/16/04 10:29 AM
Time of Injection: 9/16/04 03:39 AM
Low Point : -10.82 mV High Point : 523.41 mV
Plot Scale: 534.2 mV



MW-3

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04
Batch#:	94628		

Field ID: MW-5
Type: SAMPLE
Lab ID: 174642-005
Diln Fac: 20.00
Analyzed: 09/16/04

Analyte	Result	RL
Gasoline C7-C12	13,000	1,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	70-141
Bromofluorobenzene (FID)	98	80-143

Field ID: MW-6
Type: SAMPLE
Lab ID: 174642-006
Diln Fac: 1.000
Analyzed: 09/16/04

Analyte	Result	RL
Gasoline C7-C12	350 L Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	70-141
Bromofluorobenzene (FID)	107	80-143

Field ID: MW-7
Type: SAMPLE
Lab ID: 174642-007
Diln Fac: 1.000
Analyzed: 09/15/04

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	70-141
Bromofluorobenzene (FID)	100	80-143

Field ID: MW-8
Type: SAMPLE
Lab ID: 174642-008
Diln Fac: 1.000
Analyzed: 09/16/04

Analyte	Result	RL
Gasoline C7-C12	280 L Y	50

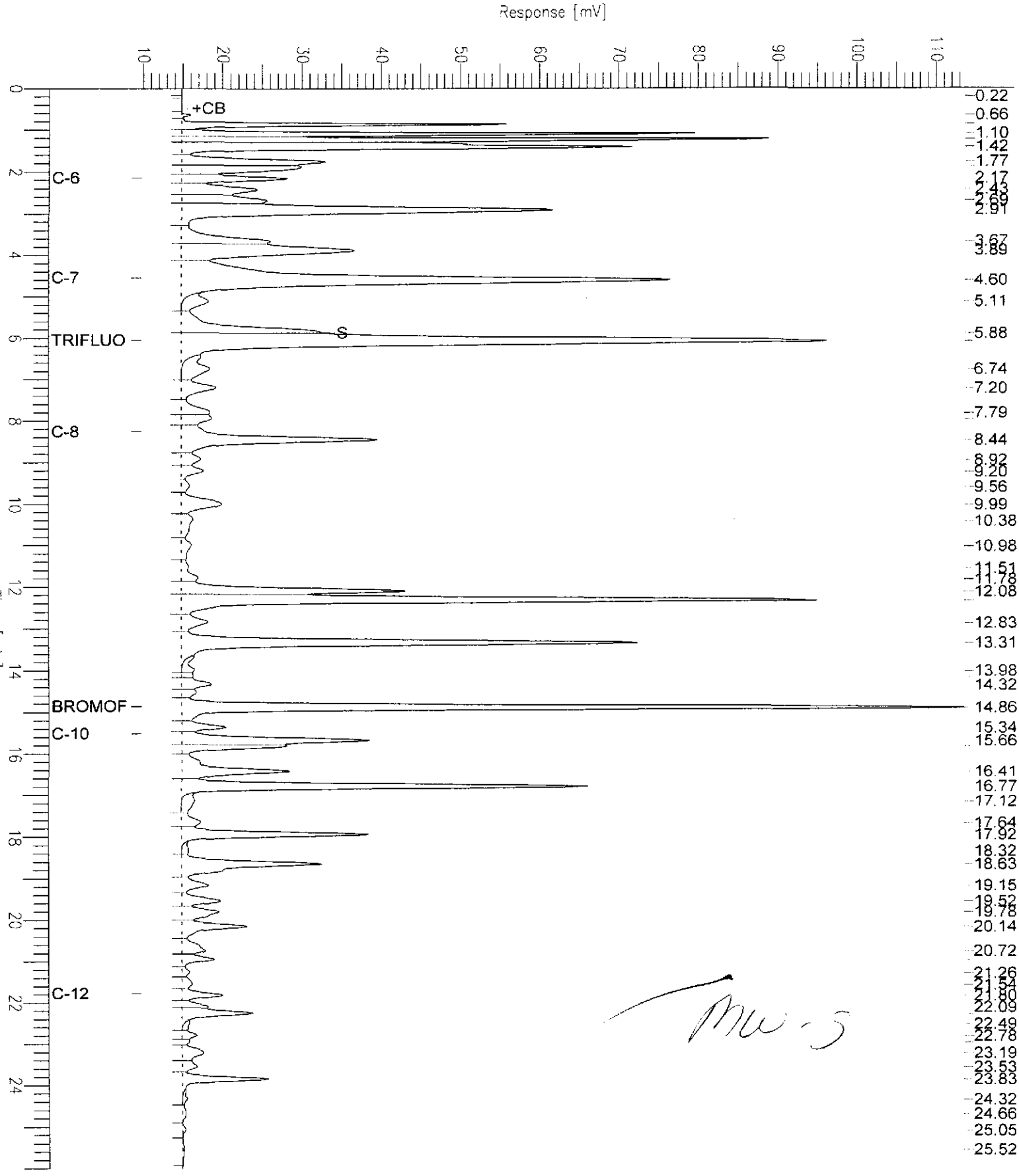
Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	70-141
Bromofluorobenzene (FID)	105	80-143

*= Value outside of QC limits; see narrative
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

GC07 TVH 'A' Data File RTX 502

Sample Name : 174642-005,94628,tvh
FileName : G:\GC07\DATA\259A030.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 10 mV

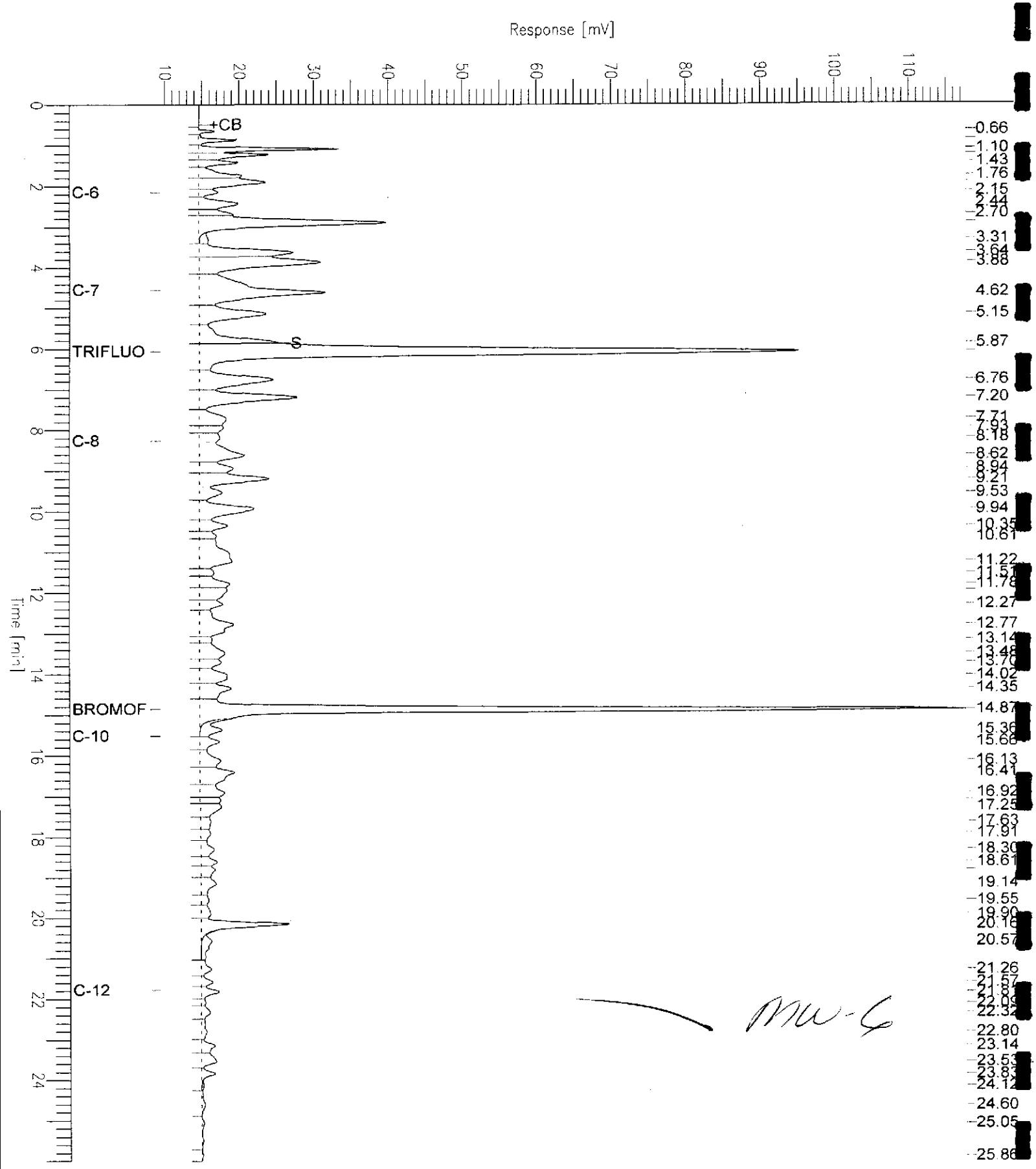
Sample #: a1.0 Page 1 of 1
Date : 9/16/04 10:29 AM
Time of Injection: 9/16/04 04:49 AM
Low Point : 9.84 mV High Point : 113.61 mV
Plot Scale: 103.8 mV



GC07 TVH 'A' Data File RTX 502

Sample Name : 174642-006,94628,tvh
FileName : G:\GC07\DATA\259A026.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 9 mV

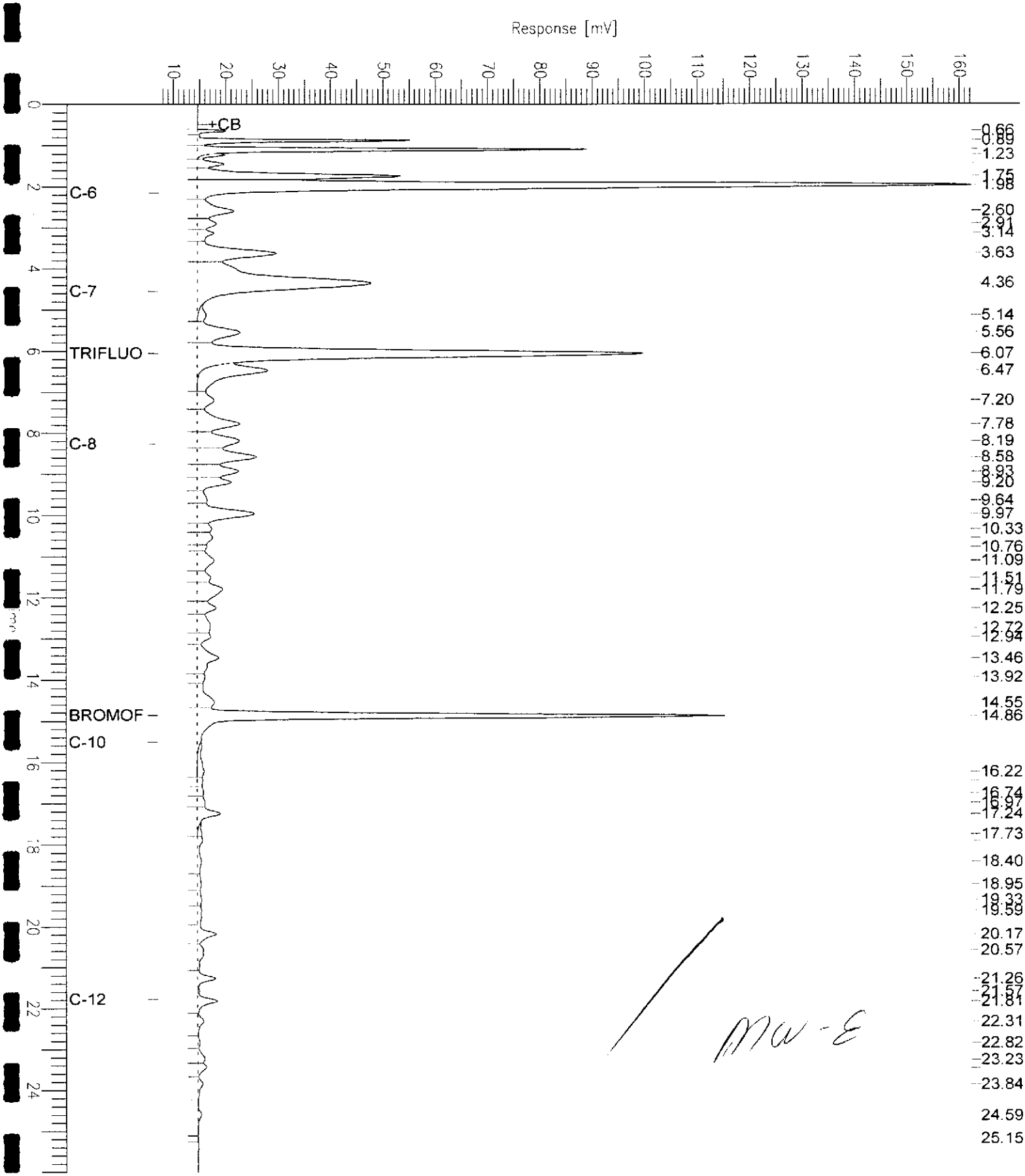
Sample #: a1.0
Date : 9/16/04 10:29 AM
Time of Injection: 9/16/04 02:29 AM
Low Point : 9.41 mV High Point : 117.70 mV
Plot Scale: 108.3 mV



GC07 TVH 'A' Data File RTX 502

ample Name : 174642-008,94628,tvh
leName : G:\GC07\DATA\259A027.raw
thod : TVHETXE
art Time : 0.00 min End Time : 26.00 min
cale Factor: 1.0 Plot Offset: 7 mV

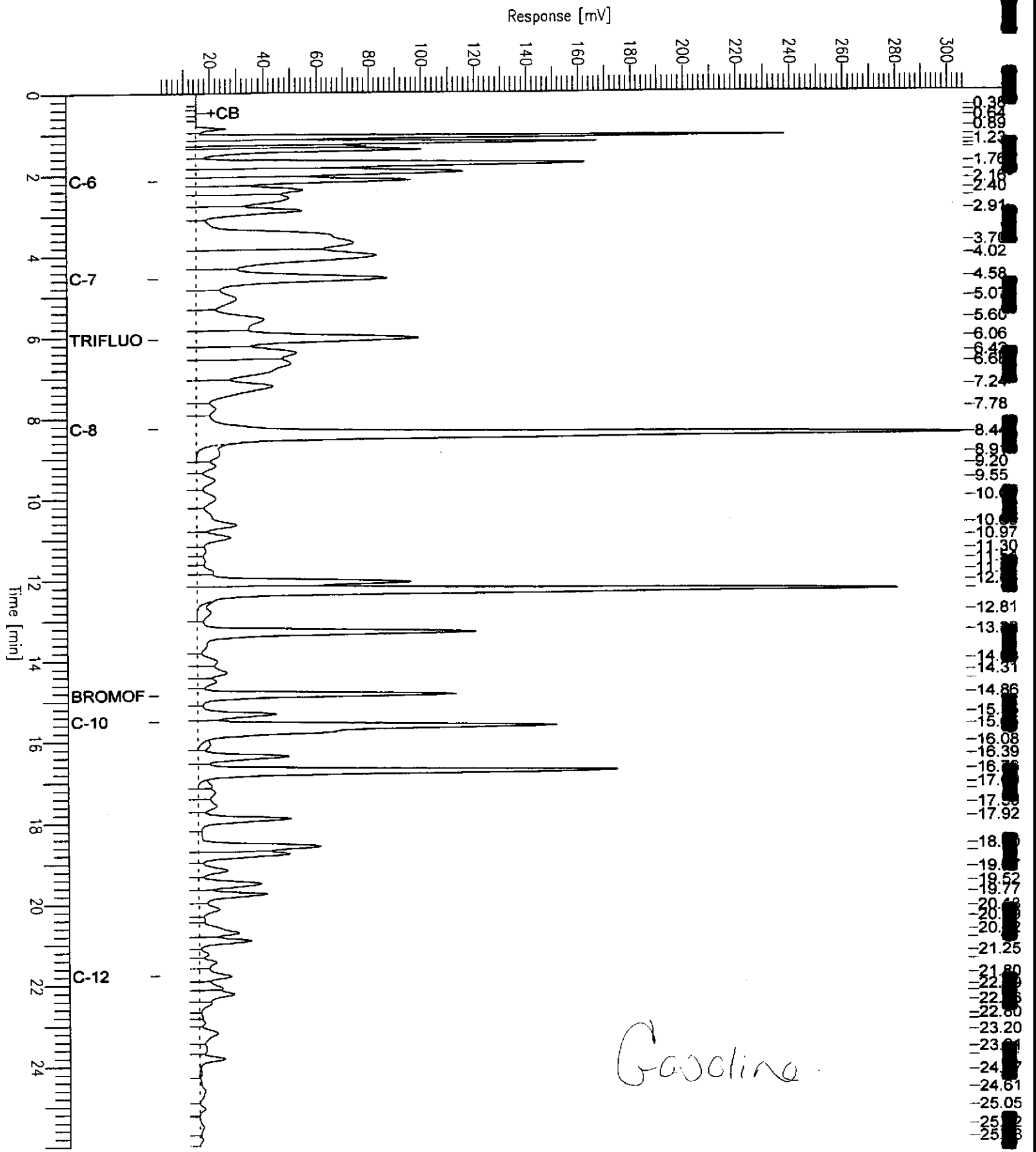
Sample #: a1.0 Page 1 of 1
Date : 9/16/04 03:29 AM
Time of Injection: 9/16/04 03:03 AM
Low Point : 7.20 mV High Point : 162.33 mV
Plot Scale: 155.1 mV



GC07 TVH 'A' Data File RTX 502

Sample Name : ccv/lcs,qc264775,94628,04ws1636,5/5000
FileName : g:\gc07\data\259a002.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 0 mV

Sample #:
Date : 9/15/04 02:02 PM
Time of Injection: 9/15/04 12:10 PM
Low Point : 0.30 mV High Point : 306.21 mV
Plot Scale: 305.9 mV



Gasoline

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04
Batch#:	94628		

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC264774	Analyzed:	09/15/04

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	70-141
Bromofluorobenzene (FID)	93	80-143

*= Value outside of QC limits; see narrative
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC264775	Batch#:	94628
Matrix:	Water	Analyzed:	09/15/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,277	114	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	70-141
Bromofluorobenzene (FID)	98	80-143

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	94628
MSS Lab ID:	174661-007	Sampled:	09/10/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/16/04
Diln Fac:	1.000		

Type: MS Lab ID: QC264777

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	8.377	2,000	1,987	99	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	70-141
Bromofluorobenzene (FID)	102	80-143

Type: MSD Lab ID: QC264778

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,997	99	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	70-141
Bromofluorobenzene (FID)	100	80-143

RPD= Relative Percent Difference

4.0

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04
Diln Fac:	1.000	Prepared:	09/16/04
Batch#:	94684	Analyzed:	09/17/04

Field ID: MW-1 Lab ID: 174642-001
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	97 Y	50

Surrogate	%REC	Limits
Hexacosane	104	53-143

Field ID: MW-2 Lab ID: 174642-002
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	280 L Y	50

Surrogate	%REC	Limits
Hexacosane	83	53-143

Field ID: MW-3 Lab ID: 174642-003
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	1,500 L Y	50

Surrogate	%REC	Limits
Hexacosane	97	53-143

Field ID: MW-5 Lab ID: 174642-005
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	1,900 L Y	50

Surrogate	%REC	Limits
Hexacosane	84	53-143

Field ID: MW-6 Lab ID: 174642-006
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	600 L Y	50

Surrogate	%REC	Limits
Hexacosane	86	53-143

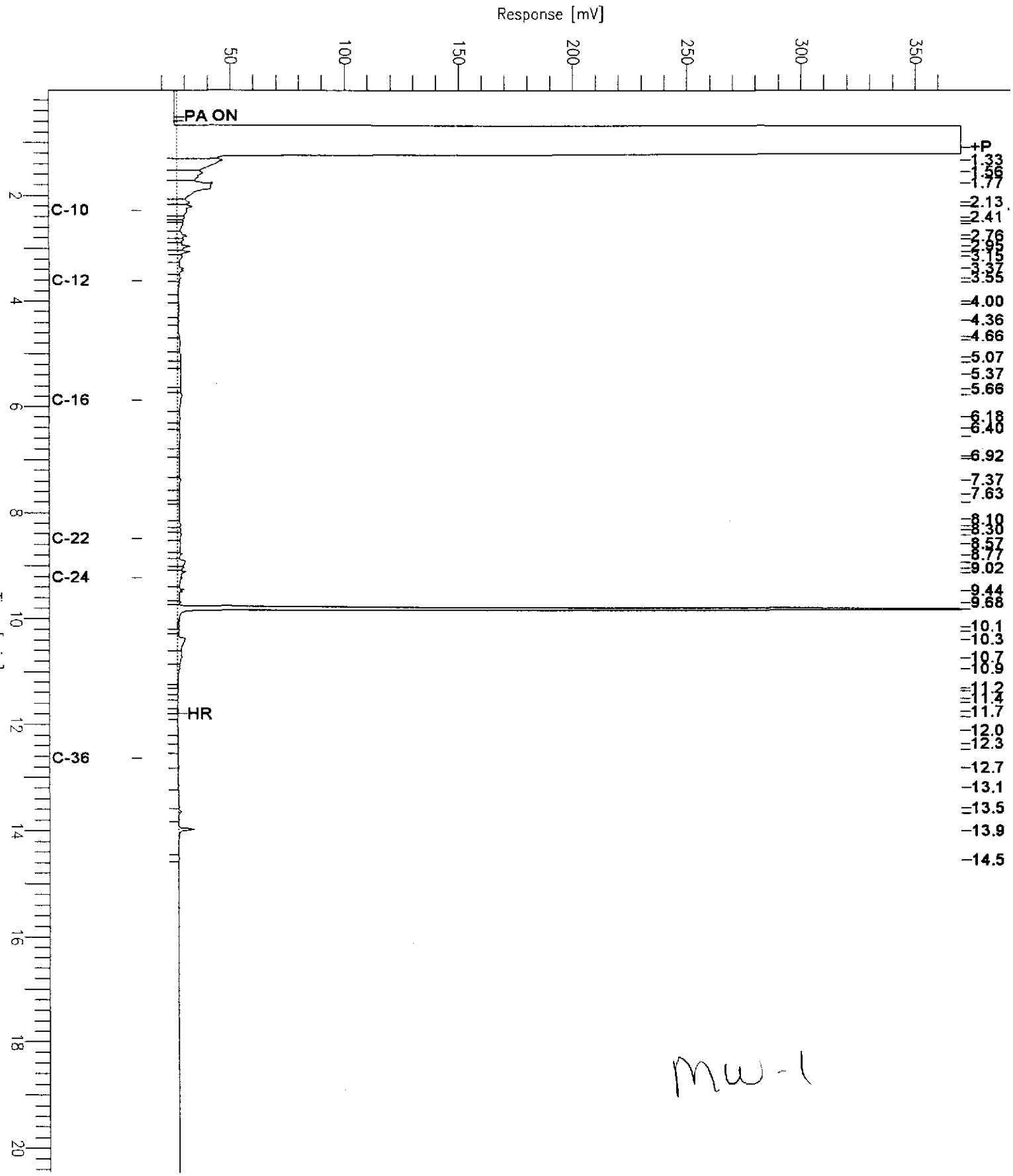
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

5.0

Chromatogram

Sample Name : 174642-001,94684
FileName : G:\GC11\CHA\260A058.RAW
Method : ATEH244S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 11 mV

Sample #: 94684 Page 1 of 1
Date : 9/19/04 12:49 PM
Time of Injection: 9/17/04 08:13 PM
Low Point : 10.82 mV High Point : 369.99 mV
Plot Scale: 359.2 mV

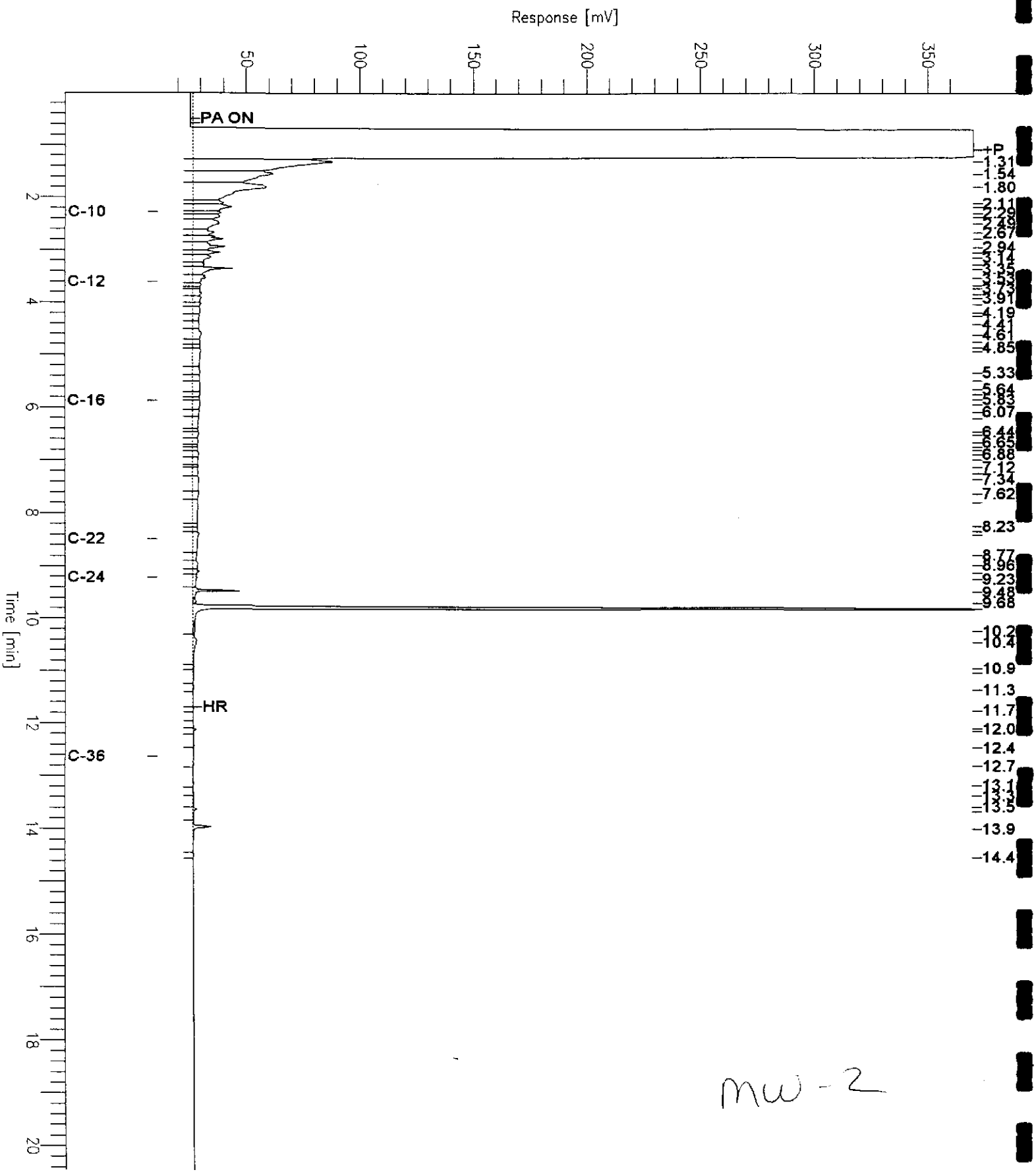


MW-1

Chromatogram

Sample Name : 174642-002,94684
FileName : G:\GC11\CHA\260A059.RAW
Method : ATEH244S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 11 mV

Sample #: 94684 Page 1 of 1
Date : 9/19/04 12:49 PM
Time of Injection: 9/17/04 08:43 PM
Low Point : 10.80 mV High Point : 369.98 mV
Plot Scale: 359.2 mV

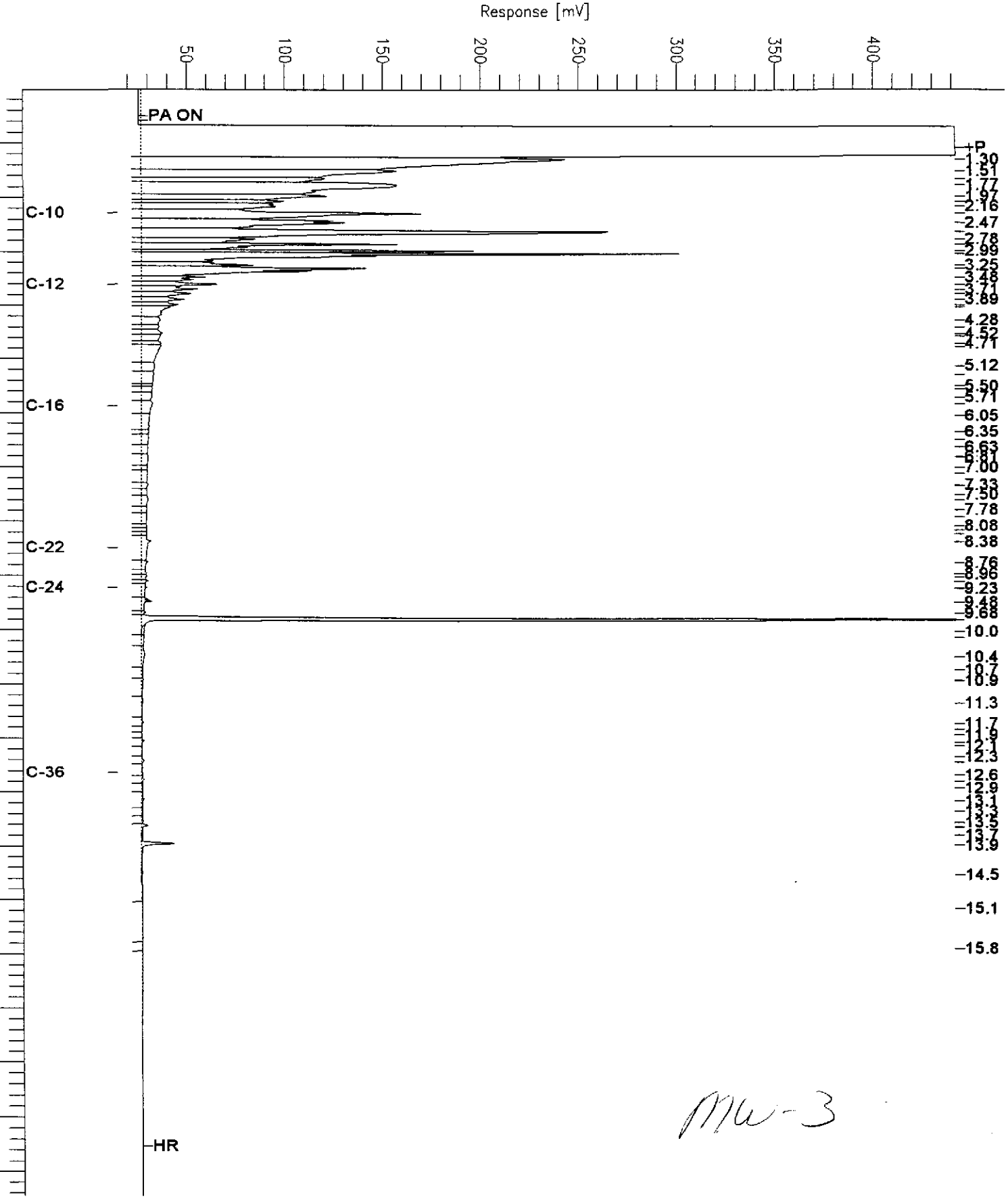


MW-2

Chromatogram

Sample Name : 174642-003,94684
FileName : G:\GC11\CHA\260A060.RAW
Method : ATEH244S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 15 mV

Sample #: 94684 Page 1 of 1
Date : 9/19/04 12:50 PM
Time of Injection: 9/17/04 09:12 PM
Low Point : 14.54 mV High Point : 441.80 mV
Plot Scale: 427.3 mV

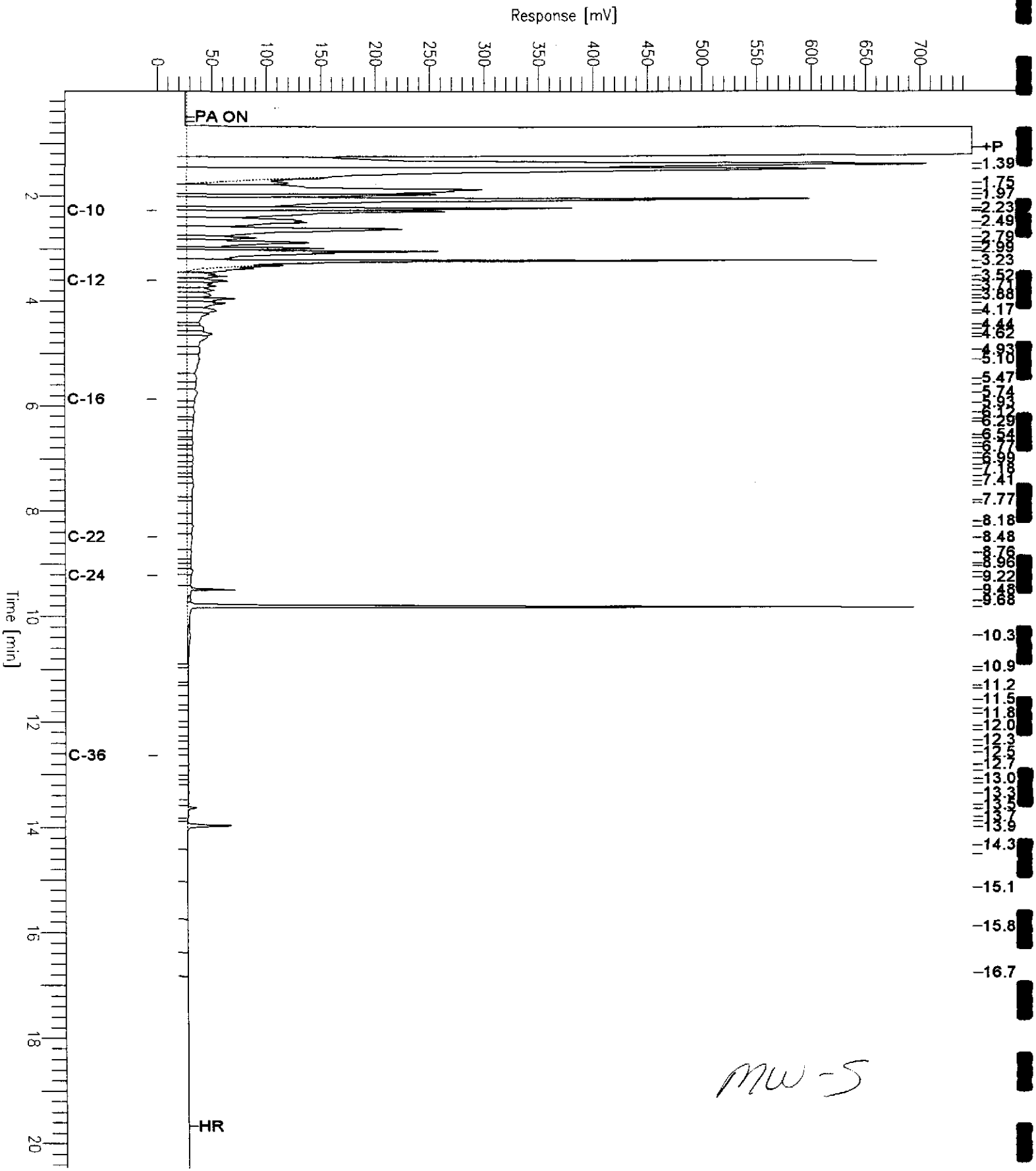


MW-3

Chromatogram

Sample Name : 174642-005,94684
FileName : G:\GC11\CHA\260A061.RAW
Method : ATEH244S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: -1 mV

Sample #: 94684 Page 1 of 1
Date : 9/19/04 12:50 PM
Time of Injection: 9/17/04 09:41 PM
Low Point : -0.70 mV High Point : 747.95 mV
Plot Scale: 748.6 mV

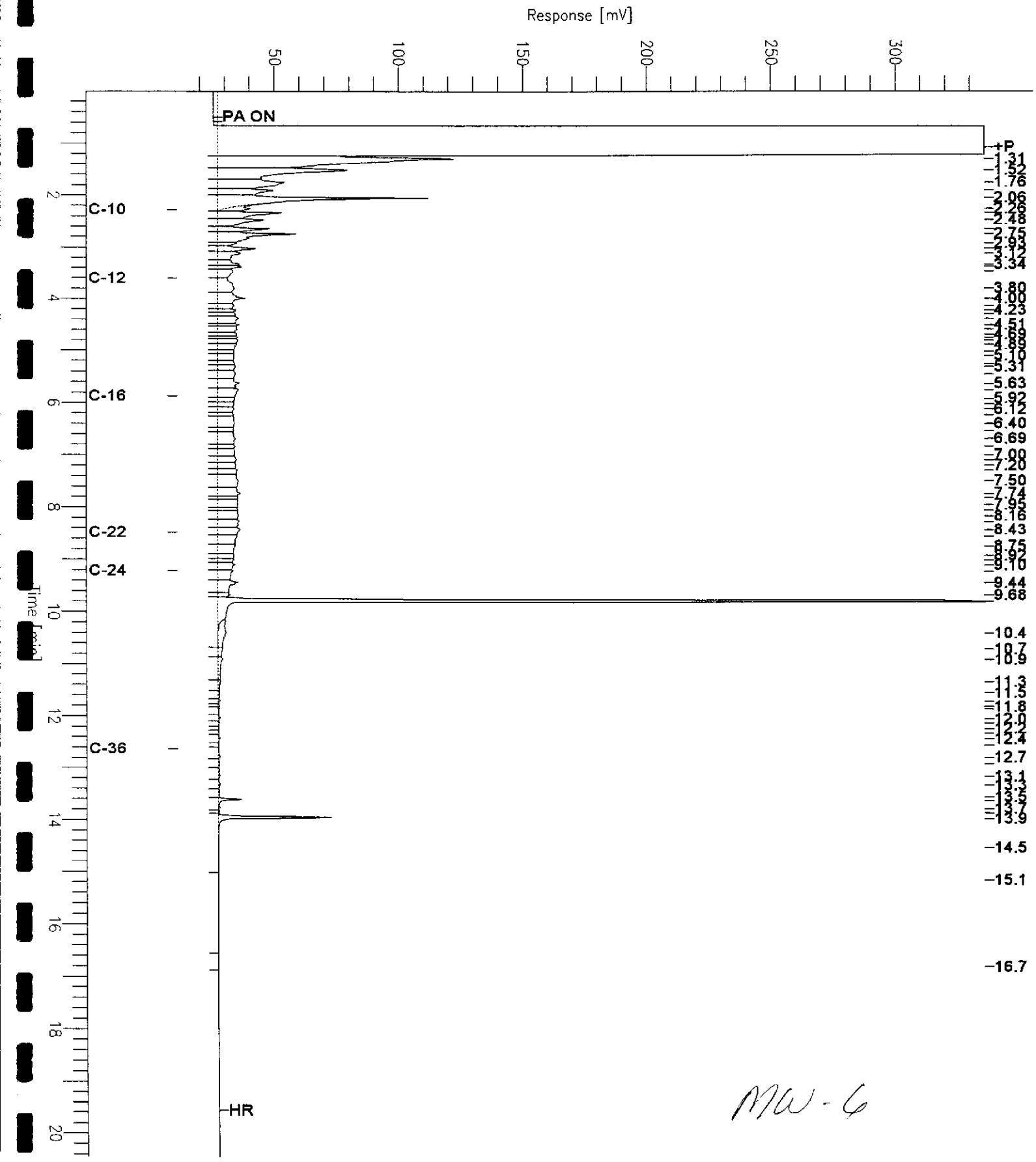


MW-5

Chromatogram

Sample Name : 174642-006,94684
FileName : G:\GC11\CHA\260A062.RAW
Method : ATEH244S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 11 mV

Sample #: 94684 Page 1 of 1
Date : 9/19/04 12:51 PM
Time of Injection: 9/17/04 10:11 PM
Low Point : 10.75 mV High Point : 335.93 mV
Plot Scale: 325.2 mV



MW-6

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04
Diln Fac:	1.000	Prepared:	09/16/04
Batch#:	94684	Analyzed:	09/17/04

Field ID: MW-8 Lab ID: 174642-008
Type: SAMPLE

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

Surrogate	%REC	Limits
Hexacosane	112	53-143

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC264988

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	100	53-143

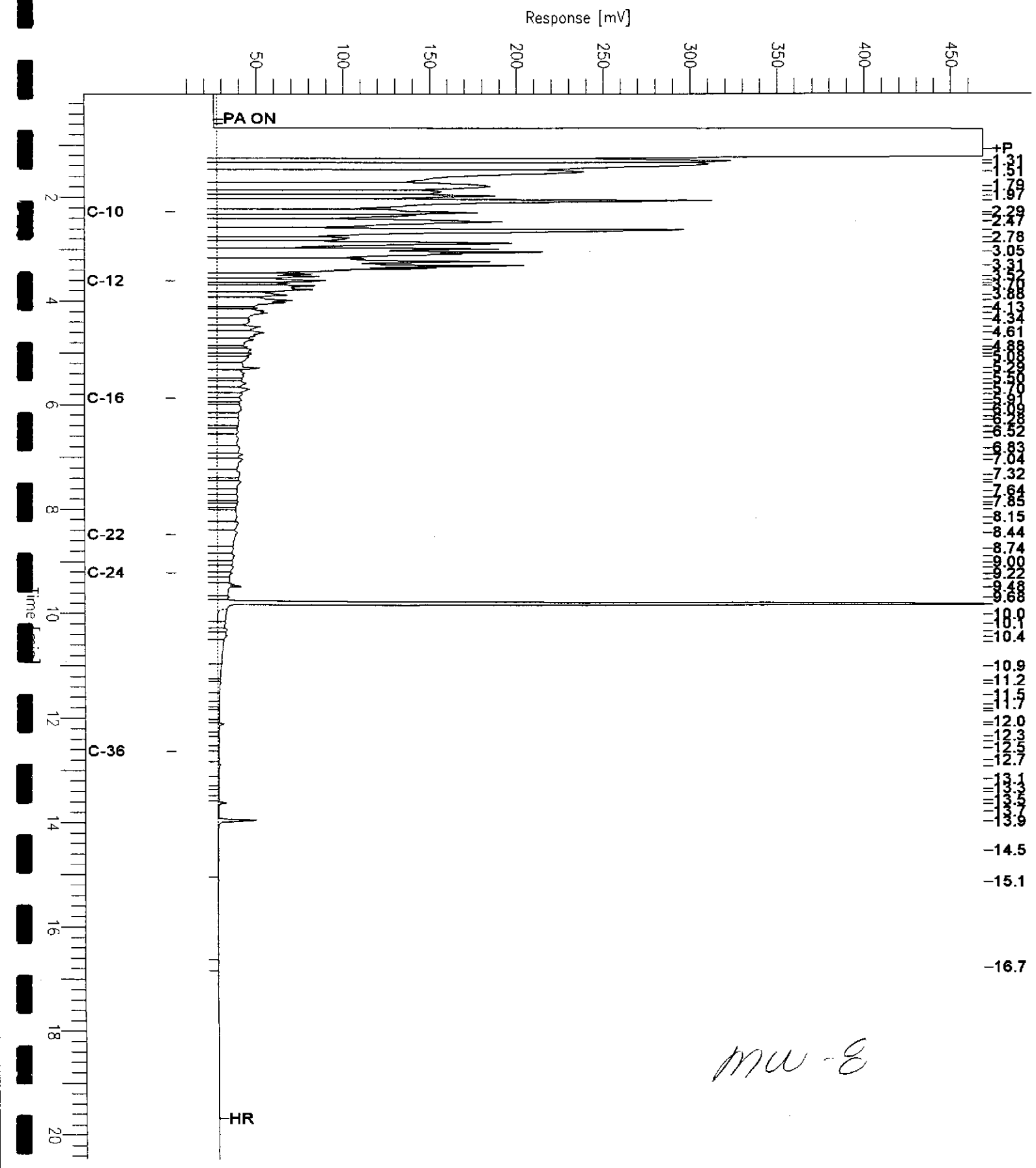
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

5.0

Chromatogram

Sample Name : 174642-008,94684
leName : G:\GC11\CHA\260A063.RAW
thod : ATEH244S.MTH
art Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 3 mV

Sample #: 94684 Page 1 of 1
Date : 9/19/04 12:52 PM
Time of Injection: 9/17/04 10:40 PM
Low Point : 3.18 mV High Point : 468.29 mV
Plot Scale: 465.1 mV



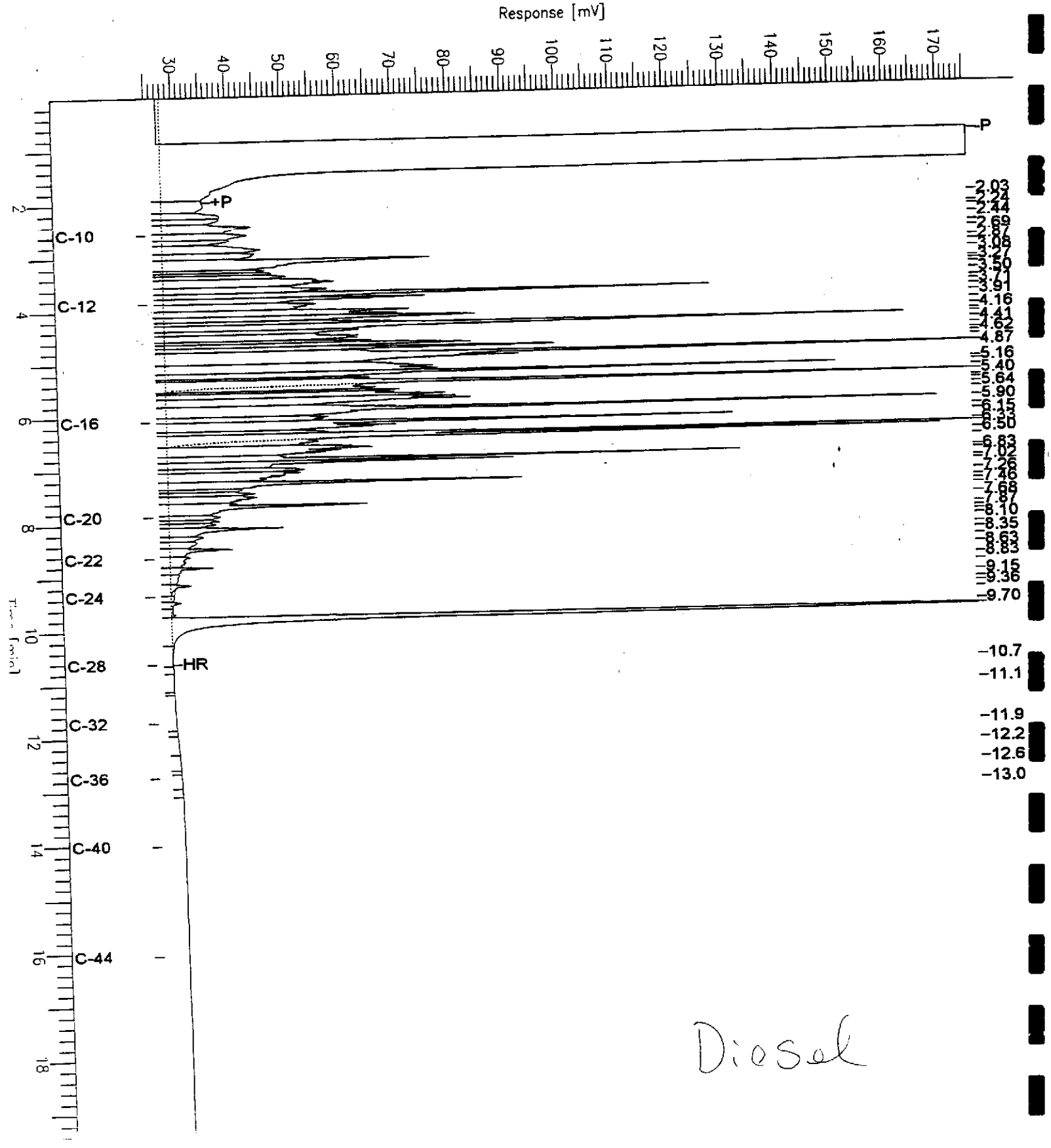
MW-E

Chromatogram

le Name : ccv,04ws1621,dsl
Name : G:\GC13\CHB\261B003.RAW
od : BTEH247S.MTH
t Time : 0.01 min
e Factor: 0.0

End Time : 19.99 min
Plot Offset: 25 mV

Sample #: 500mg/L
Date : 9/17/04 11:16 AM
Time of Injection: 9/17/04 10:53 AM
Low Point : 24.96 mV
High Point : 175.56 mV
Plot Scale: 150.6 mV



DieSel

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	94684
Units:	ug/L	Prepared:	09/16/04
Diln Fac:	1.000	Analyzed:	09/17/04

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC264989

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,453	98	51-131

Surrogate	%REC	Limits
Hexacosane	92	53-143

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC264990

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,460	98	51-131	0	42

Surrogate	%REC	Limits
Hexacosane	86	53-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	94737
Lab ID:	174642-001	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/20/04
Diln Fac:	10.00		

Analyte	Result	RL
MTBE	7.2	5.0
Benzene	920	5.0
Toluene	19	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	82	5.0
m,p-Xylenes	140	5.0
o-Xylene	61	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	94710
Lab ID:	174642-002	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/18/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	130	0.5
Benzene	14	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	0.6	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	86	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	116	80-122

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	94710
Lab ID:	174642-003	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/18/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	110	0.5
Benzene	70	0.5
Toluene	3.2	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	16	0.5
m,p-Xylenes	9.6	0.5
o-Xylene	3.1	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	86	80-120
Toluene-d8	98	80-120
Bromofluorobenzene	109	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	94662
Lab ID:	174642-004	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	2.3	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	85	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	119	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	94716
Lab ID:	174642-005	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	8.333		

Analyte	Result	RL
MTBE	ND	4.2
Benzene	580	4.2
Toluene	240	4.2
Chlorobenzene	ND	4.2
Ethylbenzene	260	4.2
m,p-Xylenes	750	4.2
o-Xylene	510	4.2
1,3-Dichlorobenzene	ND	4.2
1,4-Dichlorobenzene	ND	4.2
1,2-Dichlorobenzene	ND	4.2

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	94716
Lab ID:	174642-006	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	2.4	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	0.8	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	106	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	94676
Lab ID:	174642-007	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/16/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	110	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	94716
Lab ID:	174642-008	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	2.000		

Analyte	Result	RL
MTBE	120	1.0
Benzene	ND	1.0
Toluene	ND	1.0
Chlorobenzene	ND	1.0
Ethylbenzene	ND	1.0
m,p-Xylenes	ND	1.0
o-Xylene	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC264891	Batch#:	94662
Matrix:	Water	Analyzed:	09/16/04
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	82	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	117	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC264892	Batch#:	94662
Matrix:	Water	Analyzed:	09/16/04
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	82	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	118	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC264950	Batch#:	94676
Matrix:	Water	Analyzed:	09/16/04
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC265104	Batch#:	94710
Matrix:	Water	Analyzed:	09/17/04
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	82	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	120	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC265133	Batch#:	94716
Matrix:	Water	Analyzed:	09/17/04
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC265225	Batch#:	94737
Matrix:	Water	Analyzed:	09/20/04
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

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

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC264890	Batch#:	94662
Matrix:	Water	Analyzed:	09/16/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	43.58	87	74-128
Benzene	25.00	24.50	98	79-120
Toluene	25.00	24.36	97	80-120
Chlorobenzene	25.00	24.58	98	80-120
Ethylbenzene	25.00	23.32	93	80-121
m,p-Xylenes	50.00	41.99	84	80-120
o-Xylene	25.00	21.08	84	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	81	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	113	80-122

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	94662
MSS Lab ID:	174639-001	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/16/04
Diln Fac:	1.000		

Type: MS Lab ID: QC264893

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.06800	50.00	45.12	90	73-120
Benzene	<0.04900	25.00	24.67	99	77-120
Toluene	<0.06300	25.00	24.32	97	72-120
Chlorobenzene	<0.03000	25.00	24.32	97	80-120
Ethylbenzene	<0.04600	25.00	23.44	94	73-120
m,p-Xylenes	<0.1600	50.00	42.66	85	71-120
o-Xylene	<0.06200	25.00	21.63	87	67-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	83	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	113	80-122

Type: MSD Lab ID: QC264894

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	44.64	89	73-120	1	20
Benzene	25.00	25.08	100	77-120	2	20
Toluene	25.00	24.94	100	72-120	3	20
Chlorobenzene	25.00	24.90	100	80-120	2	20
Ethylbenzene	25.00	24.35	97	73-120	4	20
m,p-Xylenes	50.00	45.25	90	71-120	6	20
o-Xylene	25.00	22.78	91	67-120	5	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	84	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	111	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94676
Units:	ug/L	Analyzed:	09/16/04
Diln Fac:	1.000		

Type: BS Lab ID: QC264948

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	44.67	89	74-128
Benzene	25.00	24.17	97	79-120
Toluene	25.00	24.62	98	80-120
Chlorobenzene	25.00	23.96	96	80-120
Ethylbenzene	25.00	24.62	98	80-121
m,p-Xylenes	50.00	49.86	100	80-120
o-Xylene	25.00	23.99	96	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC264949

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	46.00	92	74-128	3	20
Benzene	25.00	23.01	92	79-120	5	20
Toluene	25.00	24.16	97	80-120	2	20
Chlorobenzene	25.00	23.51	94	80-120	2	20
Ethylbenzene	25.00	24.16	97	80-121	2	20
m,p-Xylenes	50.00	46.98	94	80-120	6	20
o-Xylene	25.00	24.32	97	80-120	1	20

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

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94710
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	1.000		

Type: BS Lab ID: QC265102

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	45.60	91	74-128
Benzene	25.00	24.63	99	79-120
Toluene	25.00	24.22	97	80-120
Chlorobenzene	25.00	24.57	98	80-120
Ethylbenzene	25.00	23.01	92	80-121
m,p-Xylenes	50.00	41.27	83	80-120
o-Xylene	25.00	20.65	83	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	83	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	115	80-122

Type: BSD Lab ID: QC265103

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	44.38	89	74-128	3	20
Benzene	25.00	25.39	102	79-120	3	20
Toluene	25.00	25.35	101	80-120	5	20
Chlorobenzene	25.00	25.52	102	80-120	4	20
Ethylbenzene	25.00	24.56	98	80-121	7	20
m,p-Xylenes	50.00	45.20	90	80-120	9	20
o-Xylene	25.00	22.72	91	80-120	10	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	82	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	111	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94716
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	1.000		

Type: BS Lab ID: QC265131

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	46.08	92	74-128
Benzene	25.00	25.52	102	79-120
Toluene	25.00	25.80	103	80-120
Chlorobenzene	25.00	25.53	102	80-120
Ethylbenzene	25.00	26.83	107	80-121
m,p-Xylenes	50.00	53.17	106	80-120
o-Xylene	25.00	25.99	104	80-120

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

Type: BSD Lab ID: QC265132

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	45.37	91	74-128	2	20
Benzene	25.00	23.27	93	79-120	9	20
Toluene	25.00	24.88	100	80-120	4	20
Chlorobenzene	25.00	24.25	97	80-120	5	20
Ethylbenzene	25.00	24.09	96	80-121	11	20
m,p-Xylenes	50.00	48.57	97	80-120	9	20
o-Xylene	25.00	24.34	97	80-120	7	20

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

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94737
Units:	ug/L	Analyzed:	09/20/04
Diln Fac:	1.000		

Type: BS Lab ID: QC265223

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	51.54	103	74-128
Benzene	25.00	26.55	106	79-120
Toluene	25.00	27.46	110	80-120
Chlorobenzene	25.00	25.91	104	80-120
Ethylbenzene	25.00	27.53	110	80-121
m,p-Xylenes	50.00	54.86	110	80-120
o-Xylene	25.00	26.93	108	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	109	80-120
Toluene-d8	104	80-120
Bromofluorobenzene	102	80-122

Type: BSD Lab ID: QC265224

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	51.06	102	74-128	1	20
Benzene	25.00	25.80	103	79-120	3	20
Toluene	25.00	26.68	107	80-120	3	20
Chlorobenzene	25.00	25.43	102	80-120	2	20
Ethylbenzene	25.00	26.80	107	80-121	3	20
m,p-Xylenes	50.00	53.05	106	80-120	3	20
o-Xylene	25.00	26.13	105	80-120	3	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	107	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	102	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04

Field ID:	MW-1	Diln Fac:	10.00
Type:	SAMPLE	Batch#:	94737
Lab ID:	174642-001	Analyzed:	09/20/04

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	120	100
MTBE	7.2	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	101	80-120
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	106	80-122

Field ID:	MW-2	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	94710
Lab ID:	174642-002	Analyzed:	09/18/04

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	130	10
MTBE	130	0.5
Isopropyl Ether (DIPE)	0.9	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	1.2	0.5
1,2-Dibromoethane	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	86	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	116	80-122

*= Value outside of QC limits; see narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04

Field ID:	MW-3	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	94710
Lab ID:	174642-003	Analyzed:	09/18/04

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	82	10
MTBE	110	0.5
Isopropyl Ether (DIPE)	1.5	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	88	80-120
1,2-Dichloroethane-d4	86	80-120
Toluene-d8	98	80-120
Bromofluorobenzene	109	80-122

Field ID:	MW-4	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	94662
Lab ID:	174642-004	Analyzed:	09/17/04

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	2.3	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	ND	0.5
1,2-Dibromoethane	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	90	80-120
1,2-Dichloroethane-d4	85	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	119	80-122

*= Value outside of QC limits; see narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04

Field ID:	MW-5	Diln Fac:	8.333
Type:	SAMPLE	Batch#:	94716
Lab ID:	174642-005	Analyzed:	09/17/04

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	87	83
MTBE	ND	4.2
Isopropyl Ether (DIPE)	ND	4.2
Ethyl tert-Butyl Ether (ETBE)	ND	4.2
Methyl tert-Amyl Ether (TAME)	ND	4.2
1,2-Dichloroethane	18	4.2
1,2-Dibromoethane	ND	4.2

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

Field ID:	MW-6	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	94716
Lab ID:	174642-006	Analyzed:	09/17/04

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	43	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	1.0	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
1,2-Dichloroethane	31	0.5
1,2-Dibromoethane	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	106	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-122

*= Value outside of QC limits; see narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04

Field ID:	MW-7	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	94676
Lab ID:	174642-007	Analyzed:	09/16/04

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

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	110	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-122

Field ID:	MW-8	Diln Fac:	2.000
Type:	SAMPLE	Batch#:	94716
Lab ID:	174642-008	Analyzed:	09/17/04

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	96	20
MTBE	120	1.0
Isopropyl Ether (DIPE)	1.1	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dibromoethane	ND	1.0

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	106	80-122

*= Value outside of QC limits; see narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04

Type:	BLANK	Batch#:	94662
Lab ID:	QC264891	Analyzed:	09/16/04
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	84	80-120
1,2-Dichloroethane-d4	82	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	117	80-122

Type:	BLANK	Batch#:	94662
Lab ID:	QC264892	Analyzed:	09/16/04
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	86	80-120
1,2-Dichloroethane-d4	82	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	118	80-122

*= Value outside of QC limits; see narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04

Type:	BLANK	Batch#:	94676
Lab ID:	QC264950	Analyzed:	09/16/04
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	102	80-120
Toluene-d8	104	80-120
Bromofluorobenzene	104	80-122

Type:	BLANK	Lab ID:	QC264951

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

Surrogate	Result
Dibromofluoromethane	NA
1,2-Dichloroethane-d4	NA
Toluene-d8	NA
Bromofluorobenzene	NA

*= Value outside of QC limits; see narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04

Type:	BLANK	Batch#:	94710
Lab ID:	QC265104	Analyzed:	09/17/04
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	86	80-120
1,2-Dichloroethane-d4	82	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	120	80-122

Type: BLANK Lab ID: QC265105

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

Surrogate	Result
Dibromofluoromethane	NA
1,2-Dichloroethane-d4	NA
Toluene-d8	NA
Bromofluorobenzene	NA

*= Value outside of QC limits; see narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/13/04
Units:	ug/L	Received:	09/14/04

Type:	BLANK	Batch#:	94716
Lab ID:	QC265133	Analyzed:	09/17/04
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	102	80-122

Type:	BLANK	Batch#:	94737
Lab ID:	QC265225	Analyzed:	09/20/04
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	124 *	80-122

*= Value outside of QC limits; see narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC264890	Batch#:	94662
Matrix:	Water	Analyzed:	09/16/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	128.4	103	74-135
MTBE	50.00	43.58	87	74-128
Isopropyl Ether (DIPE)	25.00	22.01	88	80-120
Ethyl tert-Butyl Ether (ETBE)	25.00	22.53	90	80-120
Methyl tert-Amyl Ether (TAME)	25.00	23.04	92	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	86	80-120
1,2-Dichloroethane-d4	81	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	113	80-122

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	94662
MSS Lab ID:	174639-001	Sampled:	09/13/04
Matrix:	Water	Received:	09/14/04
Units:	ug/L	Analyzed:	09/16/04
Diln Fac:	1.000		

Type: MS Lab ID: QC264893

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<8.600	125.0	129.7	104	53-153
MTBE	<0.06800	50.00	45.12	90	73-120
Isopropyl Ether (DIPE)	<0.04500	25.00	22.47	90	70-120
Ethyl tert-Butyl Ether (ETBE)	<0.06100	25.00	23.11	92	71-120
Methyl tert-Amyl Ether (TAME)	<0.06500	25.00	23.35	93	72-120

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-120
1,2-Dichloroethane-d4	83	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	113	80-122

Type: MSD Lab ID: QC264894

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	117.1	94	53-153	10	26
MTBE	50.00	44.64	89	73-120	1	20
Isopropyl Ether (DIPE)	25.00	22.24	89	70-120	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.67	91	71-120	2	20
Methyl tert-Amyl Ether (TAME)	25.00	23.18	93	72-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-120
1,2-Dichloroethane-d4	84	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	111	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94676
Units:	ug/L	Analyzed:	09/16/04
Diln Fac:	1.000		

Type: BS Lab ID: QC264948

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	115.6	93	74-135
MTBE	50.00	44.67	89	74-128
Isopropyl Ether (DIPE)	25.00	24.05	96	80-120
Ethyl tert-Butyl Ether (ETBE)	25.00	24.65	99	80-120
Methyl tert-Amyl Ether (TAME)	25.00	23.24	93	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120
1,2-Dichloroethane-d4	97	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC264949

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	124.1	99	74-135	7	25
MTBE	50.00	46.00	92	74-128	3	20
Isopropyl Ether (DIPE)	25.00	23.47	94	80-120	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.20	97	80-120	2	20
Methyl tert-Amyl Ether (TAME)	25.00	23.82	95	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	100	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94710
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	1.000		

Type: BS Lab ID: QC265102

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	135.5	108	74-135
MTBE	50.00	45.60	91	74-128
Isopropyl Ether (DIPE)	25.00	21.78	87	80-120
Ethyl tert-Butyl Ether (ETBE)	25.00	22.43	90	80-120
Methyl tert-Amyl Ether (TAME)	25.00	22.98	92	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	80-120
1,2-Dichloroethane-d4	83	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	115	80-122

Type: BSD Lab ID: QC265103

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	125.9	101	74-135	7	25
MTBE	50.00	44.38	89	74-128	3	20
Isopropyl Ether (DIPE)	25.00	21.80	87	80-120	0	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.28	89	80-120	1	20
Methyl tert-Amyl Ether (TAME)	25.00	22.95	92	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	86	80-120
1,2-Dichloroethane-d4	82	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	111	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94716
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	1.000		

Type: BS Lab ID: QC265131

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	117.2	94	74-135
MTBE	50.00	46.08	92	74-128
Isopropyl Ether (DIPE)	25.00	24.25	97	80-120
Ethyl tert-Butyl Ether (ETBE)	25.00	25.55	102	80-120
Methyl tert-Amyl Ether (TAME)	25.00	24.76	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	102	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-122

Type: BSD Lab ID: QC265132

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	124.2	99	74-135	6	25
MTBE	50.00	45.37	91	74-128	2	20
Isopropyl Ether (DIPE)	25.00	24.12	96	80-120	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.99	100	80-120	2	20
Methyl tert-Amyl Ether (TAME)	25.00	24.27	97	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	99	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline Oxygenates by GC/MS

Lab #:	174642	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94737
Units:	ug/L	Analyzed:	09/20/04
Diln Fac:	1.000		

Type: BS Lab ID: QC265223

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	124.2	99	74-135
MTBE	50.00	51.54	103	74-128
Isopropyl Ether (DIPE)	25.00	25.18	101	80-120
Ethyl tert-Butyl Ether (ETBE)	25.00	24.37	97	80-120
Methyl tert-Amyl Ether (TAME)	25.00	23.08	92	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	109	80-120
Toluene-d8	104	80-120
Bromofluorobenzene	102	80-122

Type: BSD Lab ID: QC265224

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	111.4	89	74-135	11	25
MTBE	50.00	51.06	102	74-128	1	20
Isopropyl Ether (DIPE)	25.00	24.90	100	80-120	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.35	97	80-120	0	20
Methyl tert-Amyl Ether (TAME)	25.00	23.19	93	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	107	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	102	80-122

RPD= Relative Percent Difference

Historical Groundwater Monitoring Well Groundwater Analytical Results
Petroleum and Aromatic Hydrocarbons (µg/L)
240 W. MacArthur Boulevard, Oakland, Alameda, California

Well Purged?	Sampling Event No.	Date Sampled	TVH-g	TEH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-1									
Yes	1	Aug-97	1,140	*< 1,000*	110	16	15	112	*NA*
Yes	2	Dec-97	*ND*	*NA*	*ND*	*ND*	*ND*	31	*NA*
Yes	3	Mar-98	370	*NA*	8.9	*< 0.5*	*< 0.5*	2.2	18
Yes	4	Jul-98	6,400	*NA*	1,300	23	3.7	58	97
Yes	5	Oct-98	2,500	*NA*	360	44	1.3	150	*< 0.5*
Yes	6	Jan-99	2,700	*NA*	1,200	28	140	78	130
(a)	7	Jun-00	27,000	*NA*	5,200	500	320	3,100	1,300
(a)	8	Dec-00	976,000	*NA*	2,490	1,420	3,640	10,100	*< 150*
(a)	9	Feb-01	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
(a)	10	May-01	20,000	*NA*	2,900	310	230	1,900	*< 30*
(a)	11	Jul-01	92,000	*NA*	2,900	580	2,800	20,000	560
Pre"hi-vac"	12	Oct 22-01	20,000	*NA*	3,700	560	410	4,600	2,600
Post "hi-vac"	12	Oct 26-01	*< 0.05*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
(a)	13	Dec-01	3,300	*NA*	200	12	5.7	43	44
No	14	Mar-02	4,600	*NA*	820	4.4	100	300	210
No	15	May-02	1,600	*NA*	100	23	20	190	7.7
No	16	Jul-02	2,300	*NA*	250	15	13	180	180
No	17	Oct-02	1,820	*NA*	222	16	*< 0.3*	59	58
No	18	Jan-03	2,880	*NA*	188	*< 50*	*< 50*	157	20
No	19	Mar-03	6,700	*NA*	607	64	64	288	*< 0.18*
No	20	Aug-03	4,900	5,000	740	45	85	250	14
Pre-Purge	21	Dec-03	5,060	400	654	11	79	92	129
Post-Purge	21	Dec-03	8,930	800	1,030	55	127	253	212
Yes	22	Mar-04	11,300	1,100	483	97	122	452	67
Yes	23	Jun-04	9,300	4,000	1,700	75	92	350	6.0
Yes	24	Sep-04	9,100	97	920	19	82	201	7.2

(table continued on next page; footnotes on final page)

MW-2									
Well Purged?	**Sampling Event No.**	**Date Sampled**	**TVH-g**	**TEH-d**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**
Yes	1	Aug-97	5,350	*< 1,000*	108	36	33	144	*NA*
Yes	2	Dec-97	1,600	*NA*	73	*ND*	*ND*	*ND*	*NA*
Yes	3	Mar-98	3,400	*NA*	830	100	210	240	870
Yes	4	Jul-98	3,100	*NA*	25	2.2	*< 0.5*	0.9	1,900
Yes	5	Oct-98	4,300	*NA*	*< 0.5*	1.2	*< 0.5*	1	4,200
Yes	6	Jan-99	2,900	*NA*	160	8.9	6.9	78.4	2,100
(a)	7	Jun-00	2,700	*NA*	200	17	30	16	680
(a)	8	Dec-00	3,020	*NA*	56.7	*< 1.5*	*< 1.5*	*< 3.0*	3,040
(a)	9	Feb-01	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
(a)	10	May-01	720	*NA*	49	*< 3.0*	4.6	*< 3.0*	380
(a)	11	Jul-01	8,400	*NA*	350	44	77	78	550
Pre"hi-vac"	12	Oct 22-01	850	*NA*	170	4.9	5.1	14	260
Post "hi-vac"	12	Oct 26-01	770	*NA*	86	5.5	9.6	8.5	310
(a)	13	Dec-01	1,300	*NA*	9.2	*< 2.0*	*< 2.0*	*< 2.0*	370
No	14	Mar-02	1,300	*NA*	76	3.8	21	15	460
No	15	May-02	320	*NA*	12	1.1	4.6	4.8	160
No	16	Jul-02	1,300	*NA*	130	1.0	9.4	5.6	420
No	17	Oct-02	1,060	*NA*	12	2.2	4.2	3.5	270
No	18	Jan-03	581	*NA*	6.5	*< 5.0*	*< 5.0*	*< 5.0*	130
No	19	Mar-03	1,250	*NA*	*< 0.22*	*< 0.32*	*< 0.31*	*< 0.4*	155
No	20	Aug-03	2,200	730	58	9.2	*< 0.5*	28	240
Pre-Purge	21	Dec-03	2,120	100	45	9.4	9.5	20	289
Post-Purge	21	Dec-03	1,980	100	29	22.0	7.4	13	295
Yes	22	Mar-04	2,700	100	12	16.0	9	12	249
Yes	23	Jun-04	1,200	370	42	0.7	2.6	1	170
Yes	24	Sep-04	1,500	280	14	*< 0.5*	*< 0.5*	1	130

(table continued on next page; footnotes on final page)

MW-3									
Well Purged?	**Sampling Event No.**	**Date Sampled**	**TVH-g**	**TEH-d**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**
Yes	1	Aug-97	8,500	*< 1,000*	450	30	53	106	*NA*
Yes	2	Dec-97	5,200	*NA*	180	6.0	5.0	9.3	*NA*
Yes	3	Mar-98	1,000	*NA*	6.0	*< 0.5*	*< 0.5*	*< 0.5*	810
Yes	4	Jul-98	6,400	*NA*	490	57	23	78	220
Yes	5	Oct-98	2,100	*NA*	*< 5.0*	*< 5.0*	*< 5.0*	*< 5.0*	2,100
Yes	6	Jan-99	4,400	*NA*	450	65	26	42	1,300
(a)	7	Jun-00	1,700	*NA*	110	13	34	13	96
(a)	8	Dec-00	5,450	*NA*	445	*< 7.5*	23.8	*< 7.5*	603
(a)	9	Feb-01	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
(a)	10	May-01	1,900	*NA*	180	12	*< 3.0*	19	330
(a)	11	Jul-01	10,000	*NA*	830	160	150	260	560
Pre"hi-vac"	12	Oct 22-01	1,400	*NA*	240	7.8	4.1	15	220
Post "hi-vac"	12	Oct 26-01	1,900	*NA*	200	16	51	30	290
(a)	13	Dec-01	5,800	*NA*	93	*< 20*	31	*< 20*	330
No	14	Mar-02	1,900	*NA*	220	16	31	24	400
No	15	May-02	1,600	*NA*	110	3.4	29	14	320
No	16	Jul-02	1,900	*NA*	210	27	30	55	200
No	17	Oct. 2002	3,030	*NA*	178	19	6.2	36	178
No	18	Jan-03	2,980	*NA*	47	*< 5.0*	7.6	6.3	105
No	19	Mar-03	3,620	*NA*	124	*< 0.32*	22	12	139
No	20	Aug-03	3,800	2,400	170	28	31	31	170
Pre-Purge	21	Dec-03	5,550	400	311	20	41	48	357
Post-Purge	21	Dec-03	6,860	500	312	20	55	58	309
Yes	22	Mar-04	5,490	500	82	34	46	49	249
Yes	23	Jun-04	5,400	1,100	150	30	45	66	130
Yes	24	Sep-04	5,400	1,500	70	3	16	13	110

(table continued on next page; footnotes on final page)

MW-4									
Well Purged?	**Sampling Event No.**	**Date Sampled**	**TVH-g**	**TEH-d**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**
Yes	1	Aug-97	*< 500*	*< 1,000*	*< 0.5*	*< 0.5*	*< 0.5*	*< 1.5*	*NA*
Yes	2	Dec-97	*ND*	*NA*	*ND*	*ND*	*ND*	*ND*	*NA*
Yes	3	Mar-98	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Yes	4	Jul-98	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Yes	5	Oct-98	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Yes	6	Jan-99	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
(a)	7	Jun-00	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
(a)	8	Dec-00	*< 500*	*NA*	*< 0.3*	*< 0.3*	*< 0.6*	*< 0.3*	*< 0.3*
(a)	9	Feb-01	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
(a)	10	May-01	*< 50*	*NA*	1.2	*< 0.3*	0.55	1.2	2.9
(a)	11	Jul-01	*< 5.0*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Pre"hi-vac"	12	Oct 22-01	*< 5.0*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Post "hi-vac"	12	Oct 26-01	*< 5.0*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
(a)	13	Dec-01	*ND*	*NA*	*ND*	*ND*	*ND*	*ND*	*ND*
No	14	Mar-02	*< 50*	*NA*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*
No	15	May-02	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
No	16	Jul-02	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
No	17	Oct-02	*< 100*	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	*< 0.3*
No	18	Jan-03	*< 100*	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	14
No	19	Mar-03	*< 15*	*NA*	*< 0.4*	*< 0.02*	*< 0.02*	*< 0.06*	5.2
No	20	Aug-03	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Pre-Purge	21	Dec-03	71	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	*< 5.0*
Post-Purge	21	Dec-03	63	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	*< 5.0*
Yes	22	Mar-04	*< 50*	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	*< 5.0*
Yes	23	Jun-04	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	0.9
Yes	24	Sep-04	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	2.3

(table continued on next page; footnotes on final page)

MW-5									
Well Purged?	**Sampling Event No.**	**Date Sampled**	**TVH-g**	**TEH-d**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**
(a)	9	Feb-01	5,660	*NA*	76.9	21.1	47.3	312	*< 0.3*
(a)	10	May-01	22,000	*NA*	2,600	480	220	2,700	*< 30*
(a)	11	Jul-01	72,000	*NA*	3,500	1,100	4,300	22,000	2,500
Pre"hi-vac"	12	Oct 22-01	26,000	*NA*	2,800	980	6,000	950	2,300
Post "hi-vac"	12	Oct 26-01	17,000	*NA*	1,200	470	2,900	440	900
(a)	13	Dec-01	2,000	*NA*	620	190	110	910	*< 20*
No	14	Mar-02	8,800	*NA*	1,200	72	7.4	350	1,200
No	15	May-02	2,000	*NA*	150	38	21	260	13
No	16	Jul-02	4,200	*NA*	480	68	29	280	450
No	17	Oct-02	5,370	*NA*	236	45	23	39	135
No	18	Jan-03	8,270	*NA*	615	156	174	1,010	*< 10*
No	19	Mar-03	12,400	*NA*	824	195	213	1,070	*< 0.18*
No	20	Aug-03	18,000	10,000	950	290	330	1,820	*< 2.0*
Pre-Purge	21	Dec-03	12,800	600	1,140	327	354	1,530	682
Post-Purge	21	Dec-03	11,900	800	627	263	288	1,230	595
Yes	22	Mar-04	20,700	850	867	266	305	678	145
Yes	23	Jun-04	12,000	1,700	920	240	260	1,150	*< 3.1*
Yes	24	Sep-04	13,000	1,900	580	240	260	1,260	*< 4.2*

(table continued on next page; footnotes on final page)

MW-6									
Well Purged?	**Sampling Event No.**	**Date Sampled**	**TVH-g**	**TEH-d**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**
(a)	9	Feb-01	1,340	*NA*	17	0.967	11.1	51.4	*< 0.3*
(a)	10	May-01	610	*NA*	15	0.97	*< 0.5*	46	*< 0.5*
(a)	11	Jul-01	2,500	*NA*	130	4.7	53	170	120
Pre"hi-vac"	12	Oct 22-01	280	*NA*	18	1.2	6.2	4.7	6.0
Post "hi-vac"	12	Oct 26-01	3,600	*NA*	210	20	170	62	120
(a)	13	Dec-01	5,300	*NA*	69	5.6	14	17	*< 2.0*
No	14	Mar-02	71	*NA*	54	4.2	27	17	8.5
No	15	May-02	150	*NA*	9.3	*< 0.5*	*< 0.5*	*< 0.5*	1.5
No	16	Jul-02	2,200	*NA*	98	32	46	150	66
No	17	Oct-02	786	*NA*	48	5.0	2.2	44	16
No	18	Jan-03	497	*NA*	6.8	*< 5.0*	*< 5.0*	11	*< 1.0*
No	19	Mar-03	258	*NA*	5.4	*< 0.32*	3.3	*< 1.1*	*< 0.18*
No	20	Aug-03	1,600	2,800	37	4.1	23	58	*< 0.5*
Pre-Purge	21	Dec-03	444	100	4.7	4.9	1.8	5.9	4.4
Post-Purge	21	Dec-03	365	200	2.5	3.8	1.4	6.1	*< 5.0*
Yes	22	Mar-04	215	140	4.0	1.2	1.4	1.4	3.7
Yes	23	Jun-04	710	830	14.0	0.7	5.2	6.6	*< 0.5*
Yes	24	Sep-04	350	600	*< 0.5*	2.4	*< 0.5*	*< 0.5*	*< 0.5*

(table continued on next page; footnotes on final page)

MW-7									
Well Purged?	**Sampling Event No.**	**Date Sampled**	**TVH-g**	**TEH-d**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**
(a)	9	Feb-01	*ND*	*NA*	*ND*	*ND*	*ND*	*ND*	*ND*
(a)	10	May-01	*< 50*	*NA*	0.75	0.77	0.48	2.4	1.1
(a)	11	Jul-01	*< 5.0*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Pre"hi-vac"	12	Oct 22-01	*< 5.0*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Post "hi-vac"	12	Oct 26-01	6,000	*NA*	170	550	110	120	970
(a)	13	Dec-01	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	43
No	14	Mar-02	*< 50*	*NA*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
No	15	May-02	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
No	16	Jul-02	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
No	17	Oct-02	*< 100*	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	*< 5.0*
No	18	Jan-03	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
No	19	Mar-03	*< 15*	*NA*	*< 0.04*	*< 0.02*	*< 0.02*	*< 0.06*	*< 0.03*
No	20	Aug-03	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Pre-Purge	21	Dec-03	*< 50*	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	*< 5.0*
Post-Purge	21	Dec-03	*< 50*	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	*< 5.0*
Yes	22	Mar-04	86	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	57
Yes	23	Jun-04	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Yes	24	Sep-04	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*

(table continued on next page; footnotes on final page)

MW-8									
Well Purged?	**Sampling Event No.**	**Date Sampled**	**TVH-g**	**TEH-d**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**
(a)	9	Feb-01	1,000	*NA*	3.97	< 0.3	3.78	1.63	620
(a)	10	May-01	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	4.4
(a)	11	Jul-01	*< 5.0*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Pre"hi-vac"	12	Oct 22-01	*< 5.0*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
Post "hi-vac"	12	Oct 26-01	*< 5.0*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
(a)	13	Dec-01	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
No	14	Mar-02	*< 50*	*NA*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
No	15	May-02	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
No	16	Jul-02	*< 50*	*NA*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*
No	17	Oct-02	458	*NA*	1.7	*< 0.3*	*< 0.3*	*< 0.6*	233
No	18	Jan-03	*< 100*	*NA*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	*< 5.0*
No	19	Mar-03	*< 15*	*NA*	*< 0.22*	*< 0.32*	*< 0.31*	*< 0.4*	*< 0.18*
No	20	Jul-03	190	*< 50*	*< 0.5*	*< 0.5*	*< 0.5*	0.6	*< 0.5*
Pre-Purge	21	Dec-03	144	*< 100*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	7.6
Post-Purge	21	Dec-03	163	*< 100*	*< 0.3*	*< 0.3*	*< 0.3*	*< 0.6*	66
Yes	22	Mar-04	412	*< 100*	*1.2*	*< 0.3*	1.7	3.9	66
Yes	23	Jun-04	~~412~~ 320	*< 100* 62	~~*1.2*~~ < 0.5	~~*< 0.3*~~ < 0.5	1.7	3.9 < 0.5	~~66~~ 120
Yes	24	Sep-04	280	2,600	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	120

Notes:

(a) Data not available to SES as to whether the samples were collected "post-purge" or without purging.

"No Purge" means no purging was conducted before the groundwater sample was collected.

TVH-g = Total volatile hydrocarbons – gasoline range. TEH-d – Total extractable hydrocarbons – diesel range.

NA = Not analyzed for this constituent in this event.

ND = Not Detected (method reporting limit not specified in information available to SES).

Historical Groundwater Monitoring Well Groundwater Analytical Results
Fuel Oxygenates and VOCs (µg/L)
240 W. MacArthur Boulevard, Oakland, California

Well I.D.	Sampling Event No.	Date Sampled	EDB	EDC	1,2,4-TMB	1,3,5-TMB	t-Butanol	TBA	DIPE	Naphthalene	cis-1,2-DCE	TCE	PCE	Others
	7	Jun-00	< 5.0	< 5.0	51	< 5	< 1,000	< 1000	< 50	<5	< 5	< 5	< 5	ND
	14	Mar-02	< 1.0	< 1.0	< 1	1.6	< 10	NA	< 2	< 1	< 1	< 1	< 1	ND
	18	Jan-03	< 50	< 50	150	< 50	NA	68	< 10	< 50	< 50	< 50	< 50	ND
MW-1	19	Mar-03	< 0.26	< 0.17	373	< 0.49	NA	< 10	< 0.29	< 0.88	< 0.30	< 0.23	< 0.36	ND
	20	Aug-03	< 1.0	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	21	Dec-03	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22	Mar-04	< 0.26	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	23	Jun-04	< 5.0	< 5.0	NA	NA	NA	270	< 5.0	NA	NA	NA	NA	NA
	24	Sep-04	< 5.0	< 5.0	NA	NA	NA	120	< 5.0	NA	NA	NA	NA	NA
	7	Jun-00	< 0.5	< 0.5	< 0.5	< 0.5	< 100	< 100	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	ND
	14	Mar-02	< 1.0	< 1.0	< 1	< 1	220	NA	< 2	< 1	< 1	< 1	< 1	ND
	18	Jan-03	< 5	< 5	< 5	< 5	NA	34	< 1	< 5	24	< 5	< 5	ND
	19	Mar-03	< 0.26	< 0.17	< 0.49	< 0.26	NA	94	< 0.29	< 0.88	15	< 0.23	< 0.36	ND
MW-2	21	Dec-03	< 0.6	< 0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	20	Aug-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	23	Jun-04	< 0.5	2.0	NA	NA	NA	190	1.1	NA	NA	NA	NA	NA
	24	Sep-04	< 0.5	1.2	NA	NA	NA	130	0.9	NA	NA	NA	NA	NA
	7	Jun-00	< 0.5	< 0.5	< 0.5	< 0.5	< 100	< 100	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	ND
	14	Mar-02	< 1.0	< 1.0	1.8	4.7	180	NA	< 2	2.2	< 1	< 1	< 1	ND
	18	Jan-03	< 5	< 5	< 5	5.0	NA	76	< 1	< 5	21	< 5	< 5	(a)
	19	Mar-03	< 0.26	< 0.17	< 0.49	< 0.26	NA	< 10	< 0.29	< 0.88	24	< 0.23	< 0.36	ND
MW-3	20	Aug-03	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	23	Jun-04	< 0.5	< 0.5	NA	NA	NA	130	1.9	NA	NA	NA	NA	NA
	24	Sep-04	< 0.5	< 0.5	NA	NA	NA	82	1.5	NA	NA	NA	NA	NA
	7	Jun-00	< 0.5	< 0.5	< 0.5	< 0.5	< 100	< 100	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	ND
	14	Mar-02	< 1.0	< 1.0	< 1	< 1	< 10	NA	< 2	< 1	2.9	3.7	5.0	ND
	18	Jan-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
MW-4	19	Mar-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
	20	Aug-03	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	23	Jun-04	< 0.5	< 0.5	NA	NA	NA	< 10	< 0.5	NA	NA	NA	NA	NA
	24	Sep-04	< 0.5	< 0.5	NA	NA	NA	< 10	< 0.5	NA	NA	NA	NA	NA
	14	Mar-02	< 1.0	< 1.0	< 1	2.7	640	NA	< 2	< 1	< 1	< 1	< 1	ND
	18	Jan-03	< 50	< 50	512	122	NA	< 100	< 10	120	< 50	< 50	< 50	ND
	19	Mar-03	< 0.26	< 0.17	554	107	NA	< 10	< 0.29	251	< 0.3	< 0.23	< 0.36	(b)
MW-5	20	Aug-03	< 2.0	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	21	Dec-03	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22	Mar-04	< 0.26	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	23	Jun-04	< 3.1	< 3.1	NA	NA	NA	120	< 3.1	NA	NA	NA	NA	NA
	24	Sep-04	< 4.2	18	NA	NA	NA	87	< 4.2	NA	NA	NA	NA	NA
	14	Mar-02	< 1.0	< 1.0	< 1	2.2	< 10	NA	< 2	1.6	< 1	< 1	< 1	ND
	18	Jan-03	< 5.0	< 5.0	13	< 5	NA	46	< 1	< 5	< 5	< 5	< 5	ND
	19	Mar-03	< 0.26	6.9	< 0.49	< 0.26	NA	40	< 0.29	< 0.88	< 0.3	< 0.23	< 0.36	(c.)
	20	Aug-03	< 0.5	12.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	21	Dec-03	< 5.0	11 / 17.1 [d]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22	Mar-04	< 0.26	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	23	Jun-04	< 0.5	19	NA	NA	NA	54	1.0	NA	NA	NA	NA	NA
	24	Sep-04	< 0.5	31	NA	NA	NA	43	1.0	NA	NA	NA	NA	NA
	14	Mar-02	< 1.0	< 1.0	< 1	< 1	< 10	NA	< 2	< 1	< 1	< 1	< 1	ND
	18	Jan-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
	19	Mar-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
MW-7	20	Aug-03	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	23	Jun-04	< 0.5	< 0.5	NA	NA	NA	< 10	< 0.5	NA	NA	NA	NA	NA
	24	Sep-04	< 0.5	< 0.5	NA	NA	NA	< 10	< 0.5	NA	NA	NA	NA	NA
	14	Mar-02	< 1.0	< 1.0	< 1	< 1	< 10	NA	< 2	< 1	< 1	< 1	< 1	ND
	18	Jan-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
	19	Mar-03	< 0.26	< 0.17	< 0.49	< 0.26	NA	< 10	< 0.29	< 0.88	< 0.3	< 0.23	< 0.36	ND
MW-8	20	Aug-03	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	23	Jun-04	< 0.5	< 0.5	NA	NA	NA	61	1.0	NA	NA	NA	NA	NA
	24	Sep-04	< 0.5	< 0.5	NA	NA	NA	96	1.1	NA	NA	NA	NA	NA

Notes:
Table includes only detected contaminants.
EDB = Ethylene dibromide, aka 1,2-Dibromoethane (lead scavenger)
EDC = Ethylene dichloride, aka 1,2-Dichloroethane (lead scavenger)
DIPE = Isopropyl Ether (a.k.a. di-isopropyl ether)
TBA = Tertiary butyl alcohol
PCE = Tetrachloroethylene
DCE = Dichloroethylene
NLP = No Level Published
TCE = Trichloroethyene
TMB = Trimethylbenzene
NA = Not analyzed for this constituent. ND = Not Detected
(a) Also detected were: n-propylbenzene (5.4 µg/L); p-Isopropyltoluene (14 µg/L); sec-Butylbenzene (7.2 µg/L)
(b) Also detected were: isopropylbenzene (38 µg/L); n-Butylbenzene (20 µg/L); n-propylbenzene (36 µg/L); p-Isopropyltoluene (14 µg/L).
(c.) Also detected were: isopropylbenzene (3.4 µg/L); n-propylbenzene (2.3 µg/L).
(d) Pre-purge / post-purge sampling, conducted in same event.