2438 ✓

CAMBRIA

July 6, 2005

Mr. Barney Chan
Hazardous Material Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Remedial Excavation Report**
Former Chevron Service Station 9-2029
890 West MacArthur Boulevard
Oakland, California
ACEH Case No. RO0002438
Cambria Project No. 61E-1947

Dear Mr. Chan:

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) has prepared this report documenting recent remedial excavation activities at the site referenced above (Figure 1). The work was performed following removal of the underground storage tanks (USTs), dispenser islands and product line piping on April 25, 2005 to remove residual petroleum hydrocarbons in the subsurface. Presented below is summary of the site background, excavation activities, sampling activities, and analytic results.

SITE BACKGROUND

The site is located at the northeast corner of the intersection of West MacArthur Boulevard and Market Street, in a mixed commercial and residential area of Oakland, California. Chevron began operation, under a ground lease agreement, in 1956 and operated continuously at the site until June 2004. According to Chevron records, facilities were constructed prior to 1956, indicating retail service station operations were conducted prior to Chevron's site activities. Two of three site parcels were subsequently purchased by Chevron in 1957, followed by the third parcel in 1984. In 1984, the site was reconstructed. Product dispenser replacement and UST modifications were conducted in 1997. The former site facilities consisted of a kiosk and five dispenser islands beneath a common canopy. Three gasoline USTs in a common pit were located directly east of the kiosk. The pre-1984 USTs were located in the same excavation. A former used-oil UST was located northeast of the kiosk and adjacent to the northeast dispenser island. A former station building that housed hydraulic lifts was located immediately north of the kiosk (Figure 2). The site is located on the East Bay Plain, approximately 1¼ mile east of San Francisco Bay and approximately 1½ mile north of Lake Merritt. The site is relatively flat at an elevation of approximately 50 feet above mean sea level. The nearest surface water body is Glen Echo Creek, located approximately 1 mile southeast of the site, which

Cambria Environmental Technology, Inc.

5900 Hollis Street
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Emeryville, CA 94608
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drains into Lake Merritt. Based on topography and previous data, shallow groundwater beneath the site flows to the southwest.

Site Hydrogeology: The site is built upon Holocene alluvium of unconsolidated, plastic, moderately to poorly sorted carbonaceous silt and clay overlying medium-grained alluvium of unconsolidated, moderately sorted, permeable fine sand, silt, and clayey silt with occasional lenses of coarse sand. Sediments encountered during previous investigations have been characterized as clay containing varying amounts of silt, sand and gravel to 21-22 feet below grade (fbg), underlain by well and poorly graded sands to the total depth explored of 25 fbg. Groundwater typically occurs between 10 to 14 fbg and flows toward the southwest.

Previous Investigation/Remediation Activities

In April 1981, Smith and Denison conducted a tank integrity test, which included the drilling of two borings. The test indicated that the tanks were corroded, but had no holes. Gasoline hydrocarbons were detected in three of the four soil samples that were collected.

In March 1991, Environmental Health Consultants conducted ambient air monitoring and sampling when a strong hydrocarbon odor was noted in the service station building. The results indicated that hydrocarbons were present in air entering the station building from the crawl space beneath the building.

In February, 1997 Gettler-Ryan Inc. (GR) conducted a soil investigation during the product dispenser replacement and UST upgrade. The existing dispensers were removed and the soil in the immediate vicinity of each dispenser island was excavated. Soil samples were collected at the base of the each excavation at approximately three feet below grade (fbg.). The results presented in the GR *Soil Sampling During Product Dispenser Investigation Report, dated October 31, 2000* indicated the presence of Total Petroleum Hydrocarbons as gasoline (TPHg), Methyl Tertiary Butyl Ether (MTBE) and benzene in soil underneath the dispenser islands.

In October 2001, GR drilled ten soil borings (B-1 through B-10). The ten borings were drilled across the site to depths between 16.5 and 19 fbg. Based on analytic results, hydrocarbon impacts appeared to be limited to the central and southern portion of the site. Initial groundwater samples collected from the borings completed in 2001indicated maximum TPHg, benzene, and MTBE concentrations were

33,000 µg/Ll (B3), 1,200 µg/L (B3) and 820 µg/L(B1), respectively.

In March 2002, Delta Environmental Consultant Inc. (Delta) installed four monitoring wells (MW-1 through MW-4). No hydrocarbons were detected in soil from MW-1 and MW-2. The highest concentrations were detected in MW-3 located in the southern portion of the site, down-gradient of the source area. Since their installation, hydrocarbon concentrations in MW-3 and MW-4 have fluctuated, but have not decreased significantly.

In April 2005, Chevron contracted Musco Excavators Inc. to remove all station facilities, USTs, dispenser islands and associated piping. Cambria collected compliance samples in the UST cavity, and beneath the disperser islands and associated product piping. Results from these activities was reported in Cambria's *June 17, 2005, Underground Storage Tank/Product Piping Removal and Compliance Sampling Report.*

SAMPLING ACTIVITIES

On April 27, 2005, after all USTs, dispenser islands and associated product piping were removed from the site, Cambria coordinated the excavation of residual petroleum hydrocarbons impacted soil. The remedial excavation activities were initiated at the southeast dispenser island and continued north and westward across the site to a depth of 12 fbg. The final excavation limits are shown on Figure 3. The lateral extent of excavation area was terminated in areas approaching the sidewalk to provide a 10-12 foot wide buffer to prevent possible collapse and possible damage. Confirmation samples indicated that the UST cavity, northern dispensers and northern pipelines contained either non-detect or very low concentrations of residual hydrocarbons. These areas were backfilled and compacted with clean engineered fill. Details of these activities are presented below. A copy of Cambria's *Excavation Sampling Procedures* is presented as Attachment A

Personnel: Cambria's Senior Staff Scientist John Ortega was onsite during the remedial excavation activities and conducted sampling under the direction of California Professional Geologist (PG) Robert Foss.

Excavation Contractor: Musco Excavators, Inc.

Chemical Analyses: The soil samples were analyzed for the following constituents:

- TPHg by EPA Method 8015M,
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) and MTBE by EPA Method 8260B,
- Lead by EPA Method 6010B.

SOIL ANALYTIC RESULTS

Although the remedial excavation activities removed a large quantity of petroleum hydrocarbon-impacted soil, isolated pockets of hydrocarbons may still exist in the subsurface. Some impacted soil remains directly adjacent to Market Street, MacArthur Boulevard and in the southeast corner of the site.

Hydrocarbon concentrations in soil exceeded the cleanup goals in four sidewall samples; EX23, EX36, EX59, and EX60 (Figure 3). These areas represent petroleum hydrocarbon-impacted soil located inaccessible areas of the site. All excavation floor samples were well below the soil cleanup goal of 100 mg/kg TPH-g. Low to non-detectable levels of benzene and MTBE were found in all other of the remaining sidewalls or floor samples of the excavation. Analytic data for soil is summarized in Table 1. The laboratory analytic reports are presented in Attachment B.

SOIL AND GROUNDWATER DISPOSAL

Approximately 5080 tons of soil were removed from the excavated area and approximately 25,486 gallons of groundwater were pumped from the within excavation. All soil and groundwater removed from the site was transported by Integrated Wastestream Management, Inc (IWM) of Milpitas, California for disposal. Soil was disposed of at Forward Landfill, in Manteca, California and groundwater was transported to Chemical Waste Management in Kettleman Hills, California. Analytic data for soil disposal profiling is summarized in Table 2. A copy of the summary sheet with the total volume of soil and groundwater disposed is included in Attachment C.

BACKFILL

CEECON Testing, Inc. of South San Francisco, California was retained by the grading excavating contractor to provide observation and compaction testing services during the project. A copy of the compaction testing report is presented in Attachment D.

CONCLUSIONS AND RECOMMENDATIONS

Intended future use of the site includes residential development. Due to the future residential development, Chevron intended goal was to remove as much residual hydrocarbon mass as reasonably feasible. The majority of petroleum hydrocarbon-impacted soil at the site was removed during the excavation activities, yet some hydrocarbons greater than 100 mg/kg TPHg remain in isolated inaccessible locations due to concerns of excavation sidewall stability near the property boundaries. Sidewall samples in these areas provide documentation of the location and concentrations of TPHg remaining in soil. All excavation floor samples were well below the soil cleanup goal of 100 mg/kg TPHg, indicating that petroleum hydrocarbons were restricted to the upper 12 feet of the soil column. Cambria will continue to monitor hydrocarbon concentration trends in groundwater to assess groundwater quality and evaluate the site for case closure.

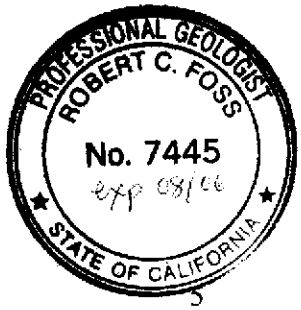
CLOSING

We appreciate the opportunity to provide consulting services for you on this project. Please call Mr. John Ortega at (510) 420-3349 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

John Ortega
Senior Staff Scientist

Robert Foss, P.G. #7445
Associate Geologist



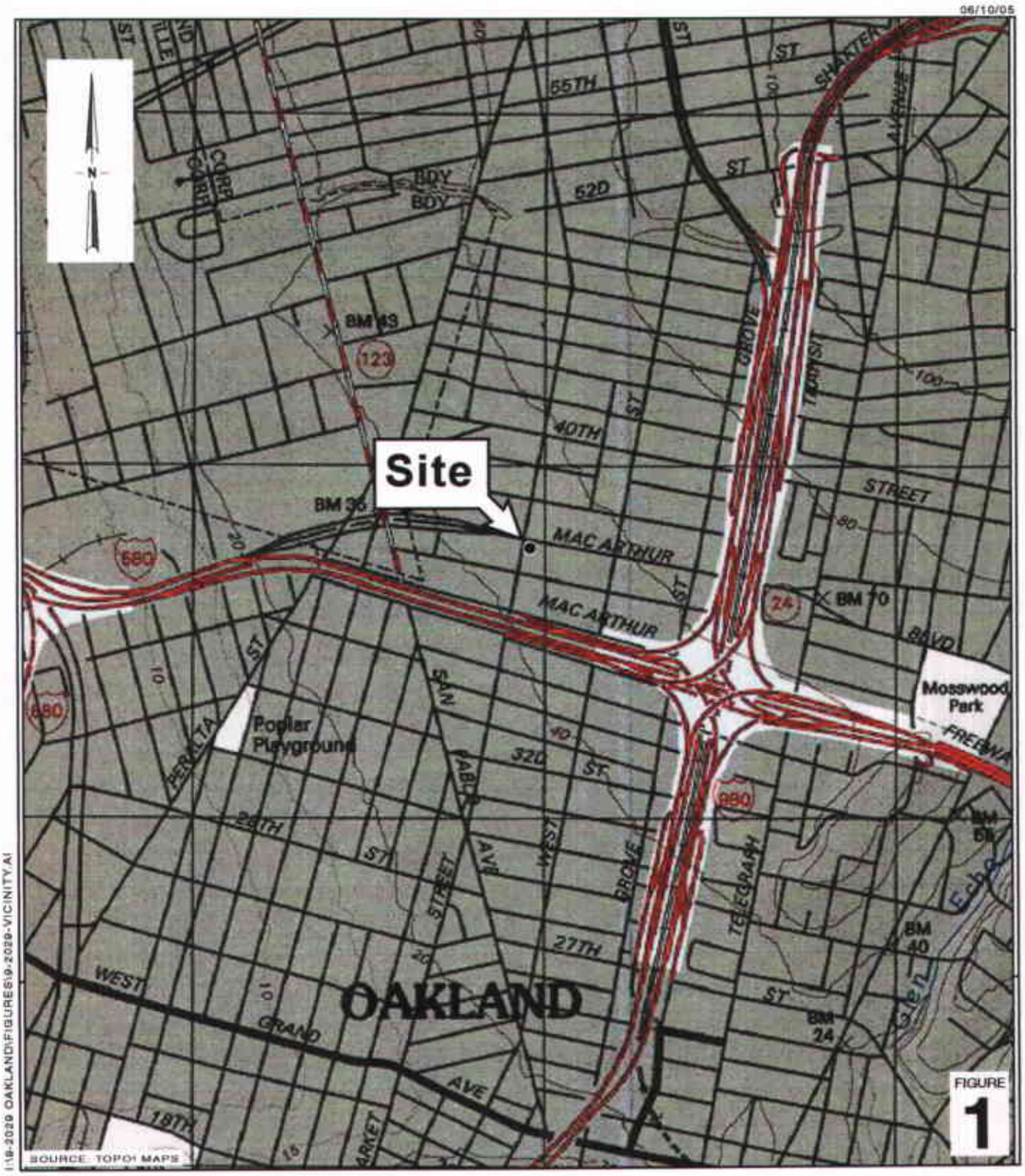
Figures: 1 – Vicinity Map
2 – Site Plan
3 – Remedial Excavation and Sampling Locations

Tables: 1 – Analytic Results for Soil
2 – Analytic Results for Soil Disposal Profiling

Attachments: A – Excavation Sampling Procedures
B – Laboratory Analytic Reports
C – Summary Sheets – Soil and Groundwater Disposal at Landfills
D – Compaction Testing Report

cc: Dana Thurman, Chevron Environmental Management Company, P.O. Box 6012, San Ramon, California 94583
George Johns, QPM/Staubach Company 6001 Bollinger Canyon Road, Building T, San Ramon, California 94583
Bruce Eppler Cambria Environmental Technology, Inc. (MTI) 4111 Citrus Ave., Rocklin, CA 95677

i:\9-2029 oakland\9-2029 tank pull 4.2005\remedial excavtion report 2005.doc



Chevron Service Station 9-2029

890 West MacArthur Boulevard

Oakland, California

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Vicinity Map

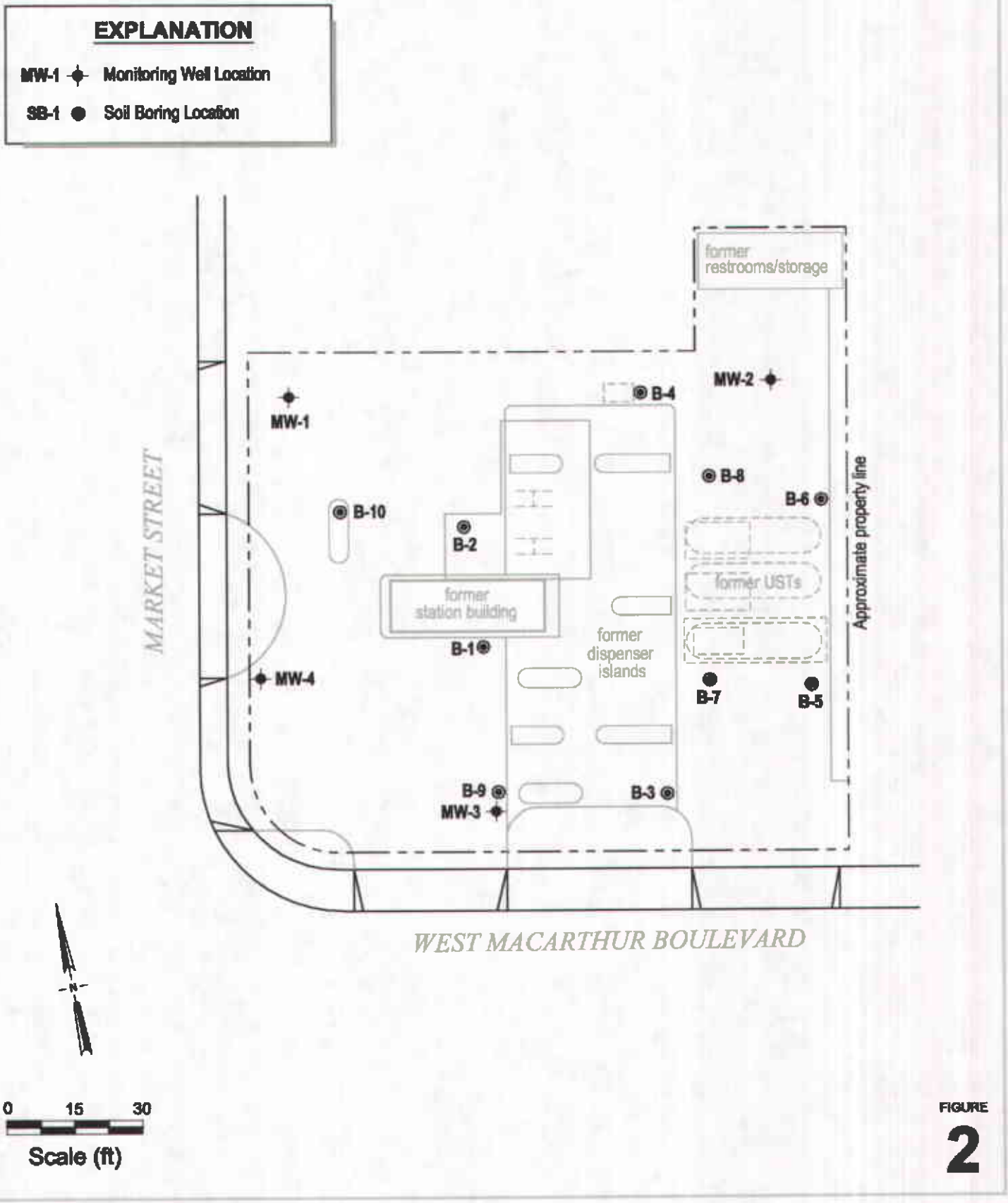

FIGURE
2

Former Chevron Station 9-2029

890 W. MacArthur Boulevard

Oakland, California

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Site Plan

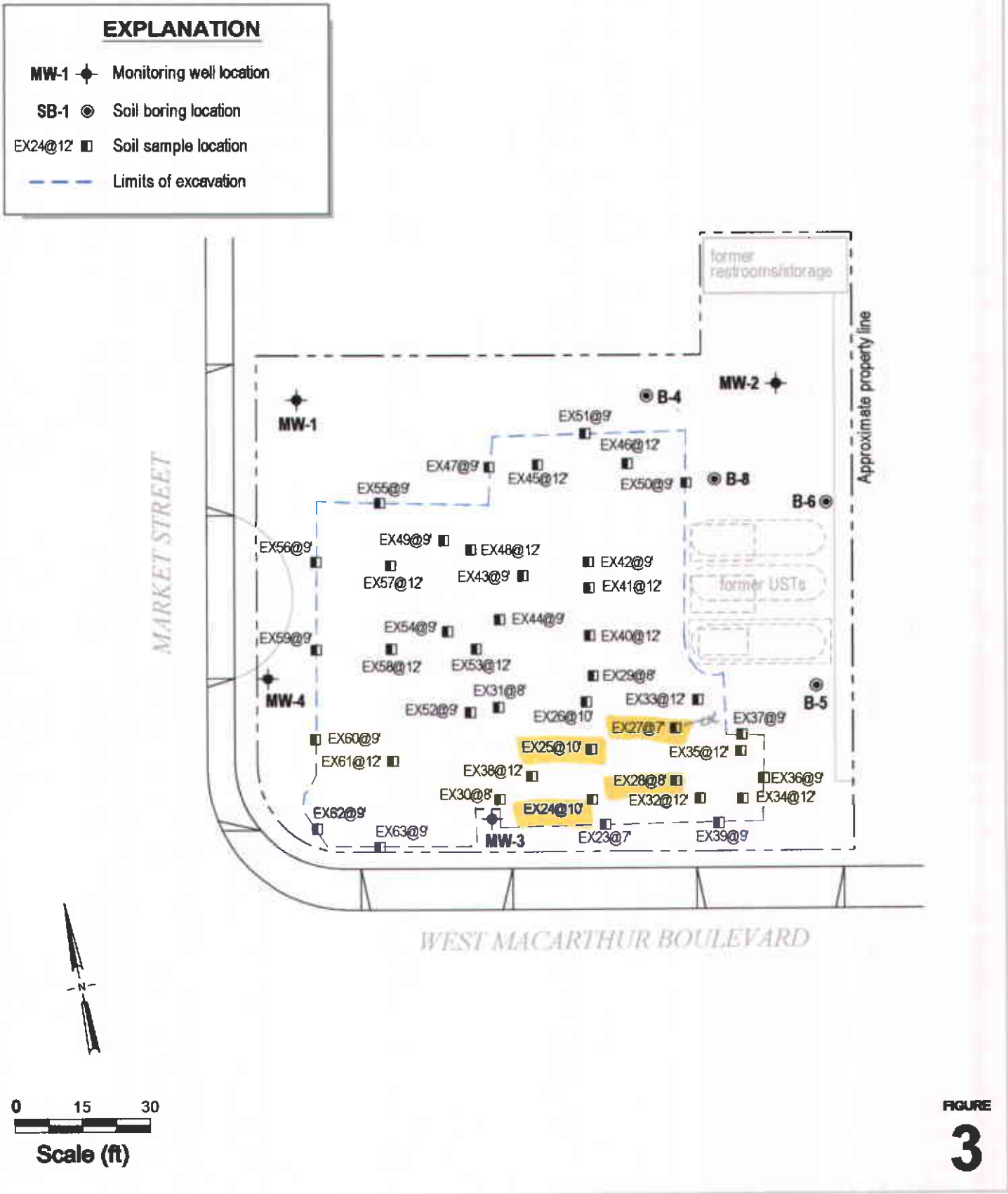

FIGURE
3

Former Chevron Station 9-2029
890 W. MacArthur Boulevard
Oakland, California

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Remedial Soil Excavation and Soil Sampling Location

Table 1. Analytic Results for Soil - Chevron Service Station 9-2029, 890 West MacArthur Boulevard, Oakland, California

Sample ID	Sample Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
EX23@7'	4/22/2005	**2.5**	<0.005	<0.005	<0.005	<0.005	<0.005
EX24@10'	4/22/2005	**120**	**2.2**	**0.23**	**2.9**	**6.6**	**0.12**
EX25@10'	4/22/2005	**19**	**1.3**	<0.10	**0.63**	**0.18**	**0.26**
EX26@10'	4/22/2005	<1.0	<0.005	<0.005	<0.005	<0.005	**0.23**
EX27@7'	4/22/2005	**480**	<0.050	<0.050	<0.050	<0.050	<0.050
EX28@8'	4/22/2005	**2800**	**3.0**	<2.0	**58**	**120**	<2.0
EX29@8'	4/22/2005	**250**	<0.033	<0.033	<0.033	<0.033	<0.033
EX30@8'	4/22/2005	**81**	**0.021**	<0.020	**0.034**	<0.020	<0.020
EX31@8'	4/22/2005	**600**	<0.10	<0.10	**0.30**	<0.10	<0.10
EX32@12'	5/2/2005	<1.0	<0.005	<0.005	<0.005	<0.005	**0.0065**
EX33@12'	5/2/2005	<1.0	<0.005	<0.005	<0.005	<0.005	**0.12**
EX34@12'	5/2/2005	<1.0	<0.005	<0.005	<0.005	<0.005	**0.03**
EX35@12'	5/2/2005	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
EX36@9'	5/2/2005	**450**	<0.33	<0.33	**10**	**7.3**	<0.33
EX37@9'	5/2/2005	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
EX38@12'	5/3/2005	**34**	**0.66**	<0.10	**0.66**	**0.31**	**0.21**
EX39@9'	5/3/2005	**64**	**0.022**	<0.005	**0.11**	**0.014**	<0.005
EX40@12'	5/3/2005	<1.0	<0.005	<0.005	<0.005	<0.005	**0.12**
EX41@12'	5/3/2005	<1.0	<0.005	<0.005	<0.005	<0.005	**0.16**
EX42@9'	5/3/2005	**450**	<0.010	<0.010	<0.010	<0.010	<0.010
EX43@9'	5/3/2005	**120**	<0.010	<0.010	**0.070**	<0.010	<0.010
EX44@9'	5/3/2005	**230**	<0.010	<0.010	**0.110**	<0.010	<0.010
EX45@12'	5/10/2005	<1.0	<0.005	<0.005	<0.005	<0.005	**0.11**
EX46@12'	5/10/2005	<1.0	<0.005	<0.005	<0.005	<0.005	**0.025**
EX47@8'	5/10/2005	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
EX48@12'	5/10/2005	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
EX49@9'	5/10/2005	**1.1**	<0.005	<0.005	<0.005	<0.005	<0.005
EX50@9'	5/10/2005	**1.3**	<0.005	<0.005	<0.005	<0.005	<0.005
EX51@9'	5/10/2005	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005

Table 1. Analytic Results for Soil - Chevron Service Station 9-2029, 890 West MacArthur Boulevard, Oakland, California

Sample ID	Sample Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
EX52@9'	5/11/2005	**610**	<0.50	<0.50	**18**	<0.50	<0.50
EX53@12'	5/11/2005	<1.0	<0.005	**0.0055**	<0.005	<0.005	**0.16**
EX54@9'	5/11/2005	**2.7**	<0.005	<0.005	<0.005	<0.005	<0.005
EX55@9'	5/19/2005	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
EX56@9'	5/19/2005	**8.5**	<0.005	<0.005	<0.005	<0.005	<0.005
EX57@12'	5/19/2005	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005
EX58@ 12'	5/19/2005	<1.0	<0.005	<0.005	<0.005	<0.005	**0.0070**
EX59@9'	5/19/2005	**240**	<0.025	<0.025	**0.40**	<0.025	<0.025
EX60@9'	5/20/2005	**250**	ND<0.20	ND<0.20	**6.1**	ND<0.20	ND<0.20
EX61@12'	5/20/2005	**16**	**0.10**	<0.010	**0.19**	**0.012**	**0.079**
EX62@9'	5/20/2005	**78**	<0.005	<0.005	**0.095**	<0.005	<0.005
EX63@9'	5/20/2005	**22**	**0.25**	<0.033	**0.90**	**0.035**	<0.033

Explanation:

Concentrations in soil are reported in miligrams per kilogram (mg/kg), equivalent to parts per million (ppm)

TPHg = Total petrolcum hydrocarbons as gasoline by modified EPA Method 8015

Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), and Methyl tertiary-butyl ether (MTBE) by EPA Method 8260B

<x.xxx - Not detected above method detection limits

Table 2. Analytic Results Soil Profiling - Chevron Service Station 9-2029, 890 West MacArthur Boulevard, Oakland, California

Sample ID	Sample Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead
COMP-2	4/27/2005	**140**	<0.050	**0.38**	**0.68**	**0.23**	<0.50	**9.0**
COMP-3	4/27/2005	**220**	**0.06**	**0.64**	**1.2**	**0.65**	<0.50	**10**
COMP-4	5/17/2005	**76**	**0.013**	**0.55**	**0.33**	**0.091**	<0.05	**13**

Explanation:

Concentrations in soil are reported in miligrams per kilogram (mg/kg), equivalent to parts per million (ppm)

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

Benzene, Toluene, Ethylbenzene, Xylenes, and MTBE by EPA Method 8021B

Lead by EPA Method 6010C (TTLC Exctration)

-- = Analyis not performed

<x.xxx - Not detected above method detection limits

ATTACHMENT A

Excavation Sampling Procedures

EXCAVATION SAMPLING PROCEDURES

After confirming a release from underground gasoline storage tanks, product piping or pump islands, soil excavation is often done to remove hydrocarbon bearing soils that may pose a threat to ground water quality beneath a site. Soil samples are routinely collected to monitor the progress of the excavation and to confirm that soils containing hydrocarbons above regulatory limits have been completely removed. Cambria has developed standard operating procedures for collecting soil samples during routine excavation operations to ensure that the samples are collected, handled and documented in compliance with State and local regulatory agency regulations.

Excavation Sampling

Prior to collecting soil samples during excavation operations, Cambria field staffscreen the removed soils with a portable photoionization detector (PID) to qualitatively assess the presence or absence of volatile hydrocarbons. The removed soil is typically segregated based on hydrocarbon concentration and stockpiled on site on plastic sheeting. When the PID measurements indicate that the hydrocarbon bearing soil has been completely removed, Cambria collects soil samples from the excavation sidewalls and bottom for confirmatory analysis at a State certified analytic laboratory.

The soil samples are collected in steam cleaned brass or steel tubes from either a driven split-spoon type sampler or the bucket of a backhoe or excavator. When a backhoe or excavator is used, approximately three inches of soil are scraped from the surface and the tube is driven into the exposed soil.

Upon removal from the sampler or the backhoe, the samples are trimmed flush, capped with Teflon tape and plastic end caps, labeled, logged and refrigerated for delivery under chain of custody to a State certified analytic laboratory.

ATTACHMENT B

Laboratory Analytic Reports

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 04/27/05
5900 Hollis St, Suite A		Date Received: 04/27/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Reported: 04/28/05
	Client P.O.:	Date Completed: 06/08/05

WorkOrder: 0504405

June 08, 2005

Dear John:

Enclosed are:

1). the results of **9** analyzed samples from your **#9-2029 project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 04/27/05
		Date Received: 04/27/05
5900 Hollis St, Suite A	Client Contact: John Ortega	Date Extracted: 04/27/05
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: 8015Cm Work Order: 0504405

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX 23 @ 7'	S	2.5,a	1	96
002A	EX 24 @ 10'	S	120,a	10	97
003A	EX 25 @ 10'	S	19,a	3.3	100
004A	EX 26 @ 10'	S	ND	1	80
005A	EX 27 @ 7'	S	480,g,m	33	111
006A	EX 28 @ 8'	S	2800,a	200	92
007A	EX 29 @ 8'	S	250,g,m	20	98
008A	EX 30 @ 8'	S	81,b,m	10	94
009A	EX 31 @ 8	S	600,b,m	10	100

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 04/27/05
		Date Received: 04/27/05
5900 Hollis St, Suite A	Client Contact: John Ortega	Date Extracted: 04/27/05
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0504405

Lab ID	0504405-001A	0504405-002A	0504405-003A	0504405-004A	Reporting Limit for DF =1	
Client ID	EX 23 @ 7'	EX 24 @ 10'	EX 25 @ 10'	EX 26 @ 10'		
Matrix	S	S	S	S		
DF	1	20	20	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	2.2	1.3	ND	0.005	NA
Ethylbenzene	ND	2.9	0.63	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	0.12	0.26	0.23	0.005	NA
Toluene	ND	0.23	ND<0.10	ND	0.005	NA
Xylenes	ND	6.6	0.18	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	96	102	96	97		
%SS2:	103	107	106	103		
%SS3:	102	109	106	116		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
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Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 04/27/05
		Date Received: 04/27/05
5900 Hollis St, Suite A	Client Contact: John Ortega	Date Extracted: 04/27/05
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0504405

Lab ID	0504405-005A	0504405-006A	0504405-007A	0504405-008A	Reporting Limit for DF =1	
Client ID	EX 27 @ 7'	EX 28 @ 8'	EX 29 @ 8'	EX 30 @ 8'		
Matrix	S	S	S	S		
DF	10	400	6.7	4	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND<0.050	3.0	ND<0.033	0.021	0.005	NA
Ethylbenzene	ND<0.050	58	ND<0.033	0.034	0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.050	ND<2.0	ND<0.033	ND<0.020	0.005	NA
Toluene	ND<0.050	ND<2.0	ND<0.033	ND<0.020	0.005	NA
Xylenes	ND<0.050	120	ND<0.033	ND<0.020	0.005	NA
Surrogate Recoveries (%)						
%SS1:	96	90	96	93		
%SS2:	99	106	101	101		
%SS3:	102	109	102	108		
Comments	j		j			

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 04/27/05
		Date Received: 04/27/05
5900 Hollis St, Suite A	Client Contact: John Ortega	Date Extracted: 04/27/05
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/28/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0504405

		Reporting Limit for DF =1	
Lab ID	0504405-009A		
Client ID	EX 31 @ 8		
Matrix	S		
DF	20	S	W
Compound	**Concentration**	mg/kg	ug/L
Benzene	ND<0.10	0.005	NA
Ethylbenzene	0.30	0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.10	0.005	NA
Toluene	ND<0.10	0.005	NA
Xylenes	ND<0.10	0.005	NA
Surrogate Recoveries (%)			
%SS1:	95		
%SS2:	105		
%SS3:	113		
Comments			

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

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Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required [circle one]? Coelt (Normal) Write On (DW) No EDF required

Report To: John Ortega	Bill To: Chevron
Company: Campbell Env. Tech	
5900 Hollis St. Suite A	
Emeryville CA 94608	E-Mail: jortega@chevron-env.com
Tele: (510) 420-8349	Fax: (510) 420-9170
Project #: 9-2029	Project Name: 9-2029
Project Location: 890 W. MacArthur Blvd. Oakland, CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: ICE	HCl	HNO_3	Other	Analysis Request: TPH as Gas (8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 / 8021	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8081	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141	EPA 8150 / 8151	EPA 524.2 / 624 / 8260	EPA 525 / 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 (6010)) Cancelled per C.O.	Other: MTBE + BTEX by 8260	Comments
EX23@7'	9-2029	4/22/05	1335	1			X								X															X	X	
EX24@10'			1340	1			X								X															X	X	
EX25@10'			1345	1			X								X															X	X	
EX26@10'			1348	1			X								X															X	X	
EX27@7'			1350	1			X								X															X	X	
EX28@8'			1351	1			X								X															X	X	
EX29@8'			1355	1			X								X															X	X	
EX30@8'			14:00	1			X								X															X	X	
EX31@			14:15	1			X								X															X	X	

Relinquished By:	Date:	Time:	Received By:
	4/22/05	4:30pm	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB ✓
APPROPRIATE CONTAINERS
PRESERVED IN LAB

COMMENTS:

PRESERVATION	VOAS	O&G	METALS pH<2	OTHER

*Please circle water type:
GROUND WASTE DRINKING RECREATIONAL EFFLUENT

Filter Samples for Metals analysis: Yes / No

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #9-2029; 890 W. MacArthur Blvd. Oakland, CA	Date Sampled: 05/02/05
		Date Received: 05/02/05
	Client Contact: John Ortega	Date Reported: 05/03/05
	Client P.O.:	Date Completed: 05/03/05

WorkOrder: 0505020

May 03, 2005

Dear John:

Enclosed are:

1). the results of 6 analyzed samples from your **#9-2029; 890 W. MacArthur Blvd. Oakland, CA project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029; 890 W. MacArthur Blvd. Oakland, CA	Date Sampled: 05/02/05
5900 Hollis St, Suite A		Date Received: 05/02/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/02/05
	Client P.O.:	Date Analyzed: 05/02/05-05/03/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0505020

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX32@12'	S	ND	1	84
002A	EX33@12'	S	ND	1	99
003A	EX34@12'	S	ND	1	92
004A	EX35@12'	S	ND	1	98
005A	EX36@9'	S	450,b,m	50	111
006A	EX37@9'	S	ND	1	87

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #9-2029; 890 W. MacArthur Blvd. Oakland, CA	Date Sampled: 05/02/05
		Date Received: 05/02/05
	Client Contact: John Ortega	Date Extracted: 05/02/05
	Client P.O.:	Date Analyzed: 05/02/05-05/03/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505020

Lab ID	0505020-001A	0505020-002A	0505020-003A	0505020-004A	Reporting Limit for DF =1	
Client ID	EX32@12'	EX33@12'	EX34@12'	EX35@12'		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	0.0065	0.12	0.030	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	98	100	98	98		
%SS2:	107	106	108	104		
%SS3:	122	117	117	113		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #9-2029; 890 W. MacArthur Blvd. Oakland, CA	Date Sampled: 05/02/05
		Date Received: 05/02/05
	Client Contact: John Ortega	Date Extracted: 05/02/05
	Client P.O.:	Date Analyzed: 05/02/05-05/03/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505020

Lab ID	0505020-005A	0505020-006A			Reporting Limit for DF =1	
Client ID	EX36@9'	EX37@9'				
Matrix	S	S				
DF	67	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND<0.33	ND			0.005	NA
Ethylbenzene	10	ND			0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.33	ND			0.005	NA
Toluene	ND<0.33	ND			0.005	NA
Xylenes	7.3	ND			0.005	NA
Surrogate Recoveries (%)						
%SS1:	91	96				
%SS2:	105	104				
%SS3:	100	113				
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0505020

EPA Method: SW8021B/8015Cm | **Extraction: SW5030B** | **BatchID: 16089** | **Spiked Sample ID: 0505020-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	102	99.4	3.09	95.6	98.6	3.07	70 - 130	70 - 130
MTBE	ND	0.10	86.6	86.1	0.601	89.4	90.4	1.07	70 - 130	70 - 130
Benzene	ND	0.10	99.3	98.7	0.622	90.4	94.5	4.44	70 - 130	70 - 130
Toluene	0.009	0.10	86.4	85.6	0.949	85.3	81.3	4.82	70 - 130	70 - 130
Ethylbenzene	ND	0.10	112	111	1.09	102	107	5.62	70 - 130	70 - 130
Xylenes	ND	0.30	100	96.3	3.74	90.7	95.7	5.37	70 - 130	70 - 130
%SS:	98	0.10	111	98	12.2	105	109	3.74	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16089 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505020-001A	5/02/05 3:00 PM	5/02/05	5/02/05 7:55 PM	0505020-002A	5/02/05 3:05 PM	5/02/05	5/03/05 1:54 PM
0505020-003A	5/02/05 3:08 PM	5/02/05	5/02/05 9:35 PM	0505020-004A	5/02/05 3:10 PM	5/02/05	5/03/05 1:20 PM
0505020-005A	5/02/05 3:12 PM	5/02/05	5/02/05 9:02 PM	0505020-006A	5/02/05 3:15 PM	5/02/05	5/02/05 11:15 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505020

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 16043	Spiked Sample ID: 0504429-007A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	103	105	2.15	100	106	5.88	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	112	112	0	106	110	3.51	70 - 130	70 - 130
Toluene	ND	0.050	102	105	2.72	100	105	5.14	70 - 130	70 - 130
%SS1:	88	0.050	102	101	0.833	101	102	0.365	70 - 130	70 - 130
%SS2:	102	0.050	96	98	2.00	96	97	1.31	70 - 130	70 - 130
%SS3:	96	0.050	112	113	0.821	112	117	4.13	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16043 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505020-001A	5/02/05 3:00 PM	5/02/05	5/03/05 12:19 AM	0505020-002A	5/02/05 3:05 PM	5/02/05	5/03/05 1:02 AM
0505020-003A	5/02/05 3:08 PM	5/02/05	5/03/05 1:45 AM	0505020-004A	5/02/05 3:10 PM	5/02/05	5/03/05 2:27 AM
0505020-005A	5/02/05 3:12 PM	5/02/05	5/02/05 10:55 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505020

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 16091	Spiked Sample ID: 0505020-006A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	93.3	95.2	2.00	97.8	101	3.05	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	104	109	4.55	109	108	1.43	70 - 130	70 - 130
Toluene	ND	0.050	101	101	0	99.2	102	2.94	70 - 130	70 - 130
%SS1:	96	0.050	98	99	0.984	98	98	0	70 - 130	70 - 130
%SS2:	104	0.050	96	96	0	95	96	0.702	70 - 130	70 - 130
%SS3:	113	0.050	108	109	1.70	110	112	1.41	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16091 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505020-006A	5/02/05 3:15 PM	5/02/05	5/03/05 3:10 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0505020 **ClientID: CETE**

Report to:
John Ortega
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #9-2029; 890 W. MacArthur Blvd. Oakla
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: 05/02/2005
Date Printed: 05/02/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0505020-001	EX32@12'	Soil	5/2/05 3:00:00 PM	☐	A	A													
0505020-002	EX33@12'	Soil	5/2/05 3:05:00 PM	☐	A	A													
0505020-003	EX34@12'	Soil	5/2/05 3:08:00 PM	☐	A	A													
0505020-004	EX35@12'	Soil	5/2/05 3:10:00 PM	☐	A	A													
0505020-005	EX36@9'	Soil	5/2/05 3:12:00 PM	☐	A	A													
0505020-006	EX37@9'	Soil	5/2/05 3:15:00 PM	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments: 24hr Rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

0505020

RUSH

McCAMPBELL ANALYTICAL, INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required [circle one]? Coelt (Normal) Write On (DW) No EDF required

Report To: John Ortega Bill To: Cambria

Company: Cambria Env. Tech.
5900 Hollis St. Suite A
Emeryville CA 94608 E-Mail:
Tele: (510) 420 - 3349 Fax: (510) 420-9170
Project #: 9-2029 Project Name:
Project Location: 890 W. MacArthur Blvd. Oakland CA
Sampler Signature: [signature]

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	TPH as Gas (602/8020 + 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 / 8021	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8081	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141	EPA 8150 / 8151	EPA 524.2 / 624 / 8260	EPA 525 / 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 280.9 / 6010)	Other: BTEX + MTBE by 8260	Comments: Filter Samples for Metals analysis: Yes / No
EX32@12'	9-2029	5/2/05	15:00	1	2x5 Tub		X				X				X																X	
EX33@12'	↓	↓	15:05	1	↓		X				X				X																X	
EX34@12'			15:08	1			X				X				X																X	
EX35@12			15:10	1			X				X				X																X	
EX37@9'			15:12	1			X				X				X																	
EX38@9'	↓	↓	15:15	1	↓		X				X				X																	
EX36@9'	these	core	were	Lable																											All	
EX37@9'	EX36@9 +	EX37@9																														

Relinquished By:	Date:	Time:	Received By:
[signature]	5/2/05	431pm	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT____
DECHLORINATED IN LAB____
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB____

COMMENTS:

PRESERVATION	VOAS	O&G	METALS pH<2	OTHER

*Please circle water type:
GROUND WASTE DRINKING RECREATIONAL EFFLUENT

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/03/05
5900 Hollis St, Suite A		Date Received: 05/03/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Reported: 05/04/05
	Client P.O.:	Date Completed: 05/04/05

WorkOrder: 0505046

May 04, 2005

Dear John:

Enclosed are:

1). the results of 7 analyzed samples from your **#9-2029 project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Dawn Cao for

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/03/05
5900 Hollis St, Suite A		Date Received: 05/03/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/03/05
	Client P.O.:	Date Analyzed: 05/03/05-05/04/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0505046

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX38@12'	S	34,a	3.3	105
002A	EX39@9'	S	64,a	3.3	90
003A	EX40@12'	S	ND	1	89
004A	EX41@12'	S	ND	1	84
005A	EX42@9'	S	450,b,m	50	107
006A	EX43@9'	S	120,b,m	10	114
007A	EX44@9'	S	230,b,m	10	107

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

O.C. for Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/03/05
5900 Hollis St, Suite A		Date Received: 05/03/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/03/05
	Client P.O.:	Date Analyzed: 05/04/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505046

Lab ID	0505046-001A	0505046-002A	0505046-003A	0505046-004A	Reporting Limit for DF =1	
Client ID	EX38@12'	EX39@9'	EX40@12'	EX41@12'		
Matrix	S	S	S	S		
DF	20	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	0.66	0.022	ND	ND	0.005	NA
Ethylbenzene	0.66	0.11	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	0.21	ND	0.12	0.16	0.005	NA
Toluene	ND<0.10	ND	ND	ND	0.005	NA
Xylenes	0.31	0.014	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	101	105	103	103		
%SS2:	99	102	104	102		
%SS3:	101	97	108	107		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/03/05
5900 Hollis St, Suite A		Date Received: 05/03/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/03/05
	Client P.O.:	Date Analyzed: 05/04/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505046

Lab ID	0505046-005A	0505046-006A	0505046-007A		Reporting Limit for DF =1	
Client ID	EX42@9'	EX43@9'	EX44@9'			
Matrix	S	S	S			
DF	2	2	2		S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND<0.010	ND<0.010	ND<0.010		0.005	NA
Ethylbenzene	ND<0.010	0.070	0.11		0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.010	ND<0.010	ND<0.010		0.005	NA
Toluene	ND<0.010	ND<0.010	ND<0.010		0.005	NA
Xylenes	ND<0.010	ND<0.010	ND<0.010		0.005	NA
Surrogate Recoveries (%)						
%SS1:	105	91	87			
%SS2:	109	119	109			
%SS3:	116	91	103			
Comments	j					

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505046

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 16101** **Spiked Sample ID: 0505032-048A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	104	100	3.82	102	99.9	1.77	70 - 130	70 - 130
MTBE	ND	0.10	92.1	91.5	0.642	87.8	88.7	1.02	70 - 130	70 - 130
Benzene	ND	0.10	104	102	1.73	95.4	94.2	1.22	70 - 130	70 - 130
Toluene	ND	0.10	88.2	87.2	1.12	86.3	83.9	2.80	70 - 130	70 - 130
Ethylbenzene	ND	0.10	114	113	0.594	114	112	1.82	70 - 130	70 - 130
Xylenes	ND	0.30	100	100	0	100	96.7	3.39	70 - 130	70 - 130
%SS:	99	0.10	98	116	16.5	107	114	6.33	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16101 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505046-001A	5/03/05 11:00 AM	5/03/05	5/04/05 12:36 PM	0505046-002A	5/03/05 1:00 PM	5/03/05	5/04/05 1:09 PM
0505046-003A	5/03/05 1:45 PM	5/03/05	5/03/05 10:54 PM	0505046-004A	5/03/05 1:48 PM	5/03/05	5/03/05 11:27 PM
0505046-005A	5/03/05 1:55 PM	5/03/05	5/04/05 12:01 AM	0505046-006A	5/03/05 2:00 PM	5/03/05	5/04/05 1:43 PM
0505046-007A	5/03/05 2:05 PM	5/03/05	5/04/05 2:17 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644 _____QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505046

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 16091	Spiked Sample ID: 0505020-006A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	93.3	95.2	2.00	97.8	101	3.05	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	104	109	4.55	109	108	1.43	70 - 130	70 - 130
Toluene	ND	0.050	101	101	0	99.2	102	2.94	70 - 130	70 - 130
%SS1:	96	0.050	98	99	0.984	98	98	0	70 - 130	70 - 130
%SS2:	104	0.050	96	96	0	95	96	0.702	70 - 130	70 - 130
%SS3:	113	0.050	108	109	1.70	110	112	1.41	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16091 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505046-001A	5/03/05 11:00 AM	5/03/05	5/04/05 1:53 AM	0505046-002A	5/03/05 1:00 PM	5/03/05	5/04/05 1:02 PM
0505046-003A	5/03/05 1:45 PM	5/03/05	5/04/05 3:20 AM	0505046-004A	5/03/05 1:48 PM	5/03/05	5/04/05 4:03 AM
0505046-005A	5/03/05 1:55 PM	5/03/05	5/04/05 1:46 PM	0505046-006A	5/03/05 2:00 PM	5/03/05	5/04/05 12:57 PM
0505046-007A	5/03/05 2:05 PM	5/03/05	5/04/05 1:40 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

LR QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0505046 **ClientID: CETE**

Report to:
John Ortega
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #9-2029
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 05/03/2005
Date Printed: 05/03/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0505046-001	EX38@12'	Soil	5/3/05 11:00:00 AM	☐	A	A													
0505046-002	EX39@9'	Soil	5/3/05 1:00:00 PM	☐	A	A													
0505046-003	EX40@12'	Soil	5/3/05 1:45:00 PM	☐	A	A													
0505046-004	EX41@12'	Soil	5/3/05 1:48:00 PM	☐	A	A													
0505046-005	EX42@9'	Soil	5/3/05 1:55:00 PM	☐	A	A													
0505046-006	EX43@9'	Soil	5/3/05 2:00:00 PM	☐	A	A													
0505046-007	EX44@9'	Soil	5/3/05 2:05:00 PM	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

cetc 0505046

RUSH

McCAMPBELL ANALYTICAL, INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☑ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required [circle one]? Coelt (Normal) Write On (DW) No EDF required

Report To: John Ortega Bill To: Cambria
Company: ~~John Ortega~~ Cambria Env. Tech Inc
5900 Hollis St. Suite A, Emeryville CA
E-Mail:
Tele: (510) 420-3345 Fax: (510) 420-9170
Project #: 9-2029 Project Name: 9-2029
Project Location: 590 W. MacArthur Blvd., Oakland CA
Sampler Signature: [signature]

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 / 8021	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8081	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141	EPA 8150 / 8151	EPA 524.2 / 624 / 8260	EPA 525 / 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 / 6010)	Other: BTEX + MTBE by 8260	Other	Other	Comments: Filter Samples for Metals analysis: Yes / No
EX 38@12'	9-2029	5/3/05	11:00	1			X								X																X			
EX 39@9'	9-2029	5/3/05	13:00	1			X								X																X			
Ex 40@12'	↓	5/3/05	1345	1			X								X																X			
EX 41@12		↓	1348	1			X								X																X			
EX 42@9'			1355	1			X								X																X			
Ex 43@9'			1400	1			X								X																X			
Ex 44@9'		↓	1405	1			X								X																X			

Relinquished By:	Date:	Time:	Received By:
[signature]	5/3/05	6:17pm	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

COMMENTS:

PRESERVATION VOAS | O&G | METALS pH<2 | OTHER

*Please circle water type:
GROUND WASTE DRINKING RECREATIONAL EFFLUENT

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #9-2029; 890 W. MacArthur Blvd, Oakland CA	Date Sampled: 05/10/05
		Date Received: 05/10/05
	Client Contact: John Ortega	Date Reported: 05/11/05
	Client P.O.:	Date Completed: 05/11/05

WorkOrder: 0505144

May 11, 2005

Dear John:

Enclosed are:

1). the results of 7 analyzed samples from your **#9-2029; 890 W. MacArthur Blvd, Oakland CA project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029; 890 W. MacArthur Blvd, Oakland CA	Date Sampled: 05/10/05
5900 Hollis St, Suite A		Date Received: 05/10/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/10/05
	Client P.O.:	Date Analyzed: 05/10/05-05/11/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0505144

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX45@12'	S	ND	1	89
002A	EX46@12'	S	ND	1	85
003A	EX47@8'	S	ND	1	88
004A	EX48@12'	S	ND	1	86
005A	EX49@9'	S	1.1,m	1	83
006A	EX50@9'	S	1.3,m	1	85
007A	EX51@9'	S	ND	1	87

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #9-2029; 890 W. MacArthur Blvd, Oakland CA	Date Sampled: 05/10/05
		Date Received: 05/10/05
	Client Contact: John Ortega	Date Extracted: 05/10/05
	Client P.O.:	Date Analyzed: 05/11/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505144

Lab ID	0505144-001A	0505144-002A	0505144-003A	0505144-004A	Reporting Limit for DF =1	
Client ID	EX45@12'	EX46@12'	EX47@8'	EX48@12'		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	0.11	0.025	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	94	93	93	91		
%SS2:	108	108	109	110		
%SS3:	119	119	119	114		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #9-2029; 890 W. MacArthur Blvd, Oakland CA	Date Sampled: 05/10/05
		Date Received: 05/10/05
	Client Contact: John Ortega	Date Extracted: 05/10/05
	Client P.O.:	Date Analyzed: 05/11/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505144

Lab ID	0505144-005A	0505144-006A	0505144-007A		Reporting Limit for DF =1	
Client ID	EX49@9'	EX50@9'	EX51@9'			
Matrix	S	S	S			
DF	1	1	1		S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND		0.005	NA
Ethylbenzene	ND	ND	ND		0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND		0.005	NA
Toluene	ND	ND	ND		0.005	NA
Xylenes	ND	ND	ND		0.005	NA
Surrogate Recoveries (%)						
%SS1:	92	89	91			
%SS2:	108	109	109			
%SS3:	114	114	115			
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505144

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 16184** **Spiked Sample ID: 0505139-013A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	97.3	101	3.73	97.5	97.6	0.131	70 - 130	70 - 130
MTBE	ND	0.10	86.6	87.5	1.04	88.8	91.7	3.22	70 - 130	70 - 130
Benzene	ND	0.10	98.9	105	6.38	106	101	4.53	70 - 130	70 - 130
Toluene	ND	0.10	83.5	91.5	9.11	87.7	83.4	4.95	70 - 130	70 - 130
Ethylbenzene	ND	0.10	103	114	9.69	105	100	4.44	70 - 130	70 - 130
Xylenes	ND	0.30	91.3	107	15.5	95.3	90.7	5.02	70 - 130	70 - 130
%SS:	81	0.10	109	117	7.08	106	111	4.61	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16184 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505144-001A	5/10/05 10:40 AM	5/10/05	5/10/05 9:11 PM	0505144-002A	5/10/05 10:45 AM	5/10/05	5/10/05 9:44 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505144

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 16186** **Spiked Sample ID: 0505157-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	94.2	96.7	2.64	98.6	99.5	0.947	70 - 130	70 - 130
MTBE	ND	0.10	87.1	90.5	3.79	83.9	83.4	0.562	70 - 130	70 - 130
Benzene	ND	0.10	97.2	96.7	0.543	96.1	100	4.35	70 - 130	70 - 130
Toluene	ND	0.10	80.5	81.7	1.43	81.7	85.6	4.59	70 - 130	70 - 130
Ethylbenzene	ND	0.10	97	99.7	2.72	101	105	3.64	70 - 130	70 - 130
Xylenes	ND	0.30	86.3	90.7	4.90	91	95.7	5.00	70 - 130	70 - 130
%SS:	93	0.10	105	102	3.47	101	102	1.08	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16186 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505144-003A	5/10/05 10:48 AM	5/10/05	5/10/05 10:17 PM	0505144-004A	5/10/05 12:00 PM	5/10/05	5/10/05 11:23 PM
0505144-005A	5/10/05 12:05 PM	5/10/05	5/10/05 11:56 PM	0505144-006A	5/10/05 12:36 PM	5/10/05	5/11/05 12:29 AM
0505144-007A	5/10/05 1:20 PM	5/10/05	5/11/05 1:02 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0505144

EPA Method: SW8260B | **Extraction: SW5030B** | **BatchID: 16170** | **Spiked Sample ID: 0505117-010A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	103	103	0	102	101	0.431	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	95.5	94.7	0.844	90.8	96.7	6.32	70 - 130	70 - 130
Toluene	ND	0.050	109	108	1.43	106	105	0.860	70 - 130	70 - 130
%SS1:	91	0.050	97	96	1.30	98	97	0.831	70 - 130	70 - 130
%SS2:	108	0.050	100	99	1.38	100	99	0.782	70 - 130	70 - 130
%SS3:	119	0.050	112	111	0.976	112	112	0	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16170 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505144-001A	5/10/05 10:40 AM	5/10/05	5/11/05 4:48 AM	0505144-002A	5/10/05 10:45 AM	5/10/05	5/11/05 5:30 AM
0505144-003A	5/10/05 10:48 AM	5/10/05	5/11/05 6:13 AM	0505144-004A	5/10/05 12:00 PM	5/10/05	5/11/05 6:56 AM
0505144-005A	5/10/05 12:05 PM	5/10/05	5/11/05 7:38 AM	0505144-006A	5/10/05 12:36 PM	5/10/05	5/11/05 8:21 AM
0505144-007A	5/10/05 1:20 PM	5/10/05	5/11/05 9:04 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

0505144

RUSH

McCAMPBELL ANALYTICAL, INC.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: John Ortega Bill To: Chevron

Company: Cambria Env Tech

5900 Hollis St, Suite A

Emeryville, CA 94608 E-Mail:

Tele: (510) 420-3349 Fax: (510) 420-9170

Project #: 9-2029 Project Name: 9-2029

Project Location: 580 W. MacArthur Blvd, Oakland, CA

Sampler Signature: John Ortega

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: ~~8015m~~ TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: BTEX + MTBE by 8260	Comments
Ex 45 @ 12'	9-2029	5/4/05	10:40	1			X				X				X																X	Filter Samples for Metals analysis: Yes / No
Ex 46 @ 12'			10:45	1			X				X				X																X	
Ex 47 @ 8'			10:48	1			X				X				X																X	
Ex 48 @ 12'			12:00	1			X				X				X																X	
Ex 49 @ 9'			12:05	1			X				X				X																X	
Ex 50 @ 9'			12:36	1			X				X				X																X	
Ex 51 @ 9'			13:20	1			X				X				X																X	

Relinquished By:	Date:	Time:	Received By:
	5/4/05	430	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS ✓

PRESERVED IN LAB

COMMENTS:

PRESERVATION	VOAS	O&G	METALS	OTHER
			pH<2	

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0505144 **ClientID: CETE**

Report to:
John Ortega
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #9-2029; 890 W. MacArthur Blvd, Oakla
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 05/10/2005
Date Printed: 05/10/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0505144-001	EX45@12'	Soil	5/10/05 10:40:00	☐	A	A													
0505144-002	EX46@12'	Soil	5/10/05 10:45:00	☐	A	A													
0505144-003	EX47@8'	Soil	5/10/05 10:48:00	☐	A	A													
0505144-004	EX48@12'	Soil	5/10/05 12:00:00	☐	A	A													
0505144-005	EX49@9'	Soil	5/10/05 12:05:00	☐	A	A													
0505144-006	EX50@9'	Soil	5/10/05 12:36:00	☐	A	A													
0505144-007	EX51@9'	Soil	5/10/05 1:20:00 PM	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments: 24hr Rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/11/05
5900 Hollis St, Suite A		Date Received: 05/11/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Reported: 05/12/05
	Client P.O.:	Date Completed: 05/12/05

WorkOrder: 0505166

May 12, 2005

Dear John:

Enclosed are:

1). the results of **3** analyzed samples from your **#9-2029 project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/11/05
5900 Hollis St, Suite A		Date Received: 05/11/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/11/05
	Client P.O.:	Date Analyzed: 05/11/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0505166

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX 52 @ 9'	S	610,b,m	50	94
002A	EX 53 @ 12'	S	ND	1	96
003A	EX 54 @ 9'	S	2.7,m	1	98

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

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Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/11/05
5900 Hollis St, Suite A		Date Received: 05/11/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/11/05
	Client P.O.:	Date Analyzed: 05/11/05-05/12/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505166

Lab ID	0505166-001A	0505166-002A	0505166-003A		Reporting Limit for DF =1	
Client ID	EX 52 @ 9'	EX 53 @ 12'	EX 54 @ 9'			
Matrix	S	S	S			
DF	100	1	1		S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND<0.50	ND	ND		0.005	NA
Ethylbenzene	18	ND	ND		0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.50	0.16	ND		0.005	NA
Toluene	ND<0.50	0.0055	ND		0.005	NA
Xylenes	ND<0.50	ND	ND		0.005	NA
Surrogate Recoveries (%)						
%SS1:	89	94	95			
%SS2:	108	108	105			
%SS3:	105	118	107			
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505166

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 16193** **Spiked Sample ID: 0505164-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	94.6	93.1	1.65	97.5	97.5	0	70 - 130	70 - 130
MTBE	ND	0.10	95.3	82.3	14.6	89.6	91.9	2.54	70 - 130	70 - 130
Benzene	ND	0.10	103	91.2	12.4	99.5	98.8	0.728	70 - 130	70 - 130
Toluene	ND	0.10	84.8	83.1	1.96	84	82.7	1.60	70 - 130	70 - 130
Ethylbenzene	ND	0.10	104	94.1	10.1	103	99.9	2.76	70 - 130	70 - 130
Xylenes	ND	0.30	91	85.3	6.43	91.3	95.3	4.29	70 - 130	70 - 130
%SS:	105	0.10	109	105	3.74	112	110	1.80	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16193 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505166-001A	5/11/05 12:45 PM	5/11/05	5/11/05 9:31 PM	0505166-002A	5/11/05 12:50 PM	5/11/05	5/11/05 10:04 PM
0505166-003A	5/11/05 1:00 PM	5/11/05	5/11/05 10:37 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505166

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 16192	Spiked Sample ID: 0505153-002A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	101	102	0.531	94.6	95.7	1.24	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	98.6	101	2.23	89.6	89.9	0.262	70 - 130	70 - 130
Toluene	ND	0.050	106	107	1.15	100	102	1.33	70 - 130	70 - 130
%SS1:	95	0.050	98	97	0.692	97	94	2.55	70 - 130	70 - 130
%SS2:	109	0.050	100	100	0	100	101	1.32	70 - 130	70 - 130
%SS3:	97	0.050	114	114	0	116	113	2.17	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16192 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505166-001A	5/11/05 12:45 PM	5/11/05	5/12/05 5:11 AM	0505166-002A	5/11/05 12:50 PM	5/11/05	5/11/05 9:06 PM
0505166-003A	5/11/05 1:00 PM	5/11/05	5/11/05 9:49 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

cete -0505146

RUSH

McCAMPBELL ANALYTICAL, INC.

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PACHECO, CA 94553-5560
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Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Julia Ortega	Bill To: Chevron
Company: Chevron Env. Rpt.	
5900 Hollis St, Suite A,	
Emeryville, CA 94608	E-Mail:
Tele: (510) 420-3349	Fax: (510) 420-9170
Project #: 9-2029	Project Name: 9-2029
Project Location: 890 W. MacArthur Blvd. Oakland CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
EX5209'	9-2029	5/11/05	12:45	1	3 brass tube		X				X			
EX5312'	↓		12:50	1	↓		X				X			
EX5409	↓		13:00	1	↓		X				X			

Analysis Request

MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other			Comments
X																BTEX + MTBE by 8260			Filter Samples for Metals analysis: Yes / No
X																X			
X																X			

Relinquished By:	Date:	Time:	Received By:
	5/11/05	1:20pm	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ ✓
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

COMMENTS:

PRESERVATION	VOAS	O&G	METALS	OTHER
			pH<2	

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0505166 **ClientID: CETE**

Report to:
John Ortega
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #9-2029
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 05/11/2005
Date Printed: 05/11/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0505166-001	EX 52 @ 9'	Soil	05/11/2005	☐	A	A													
0505166-002	EX 53 @ 12'	Soil	05/11/2005	☐	A	A													
0505166-003	EX 54 @ 9'	Soil	05/11/2005	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Rosa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

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Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/19/05
5900 Hollis St, Suite A		Date Received: 05/20/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Reported: 05/23/05
	Client P.O.:	Date Completed: 05/23/05

WorkOrder: 0505315

May 23, 2005

Dear John:

Enclosed are:

1). the results of **5** analyzed samples from your **#9-2029 project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/19/05
5900 Hollis St, Suite A		Date Received: 05/20/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/20/05
	Client P.O.:	Date Analyzed: 05/20/05-05/21/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0505315

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX55@9'	S	ND	1	99
002A	EX56@9'	S	8.5,g,m	1	92
003A	EX57@12'	S	ND	1	97
004A	EX58@12'	S	ND	1	86
005A	EX59@9'	S	240,g,m	40	116

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/19/05
5900 Hollis St, Suite A		Date Received: 05/20/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/20/05
	Client P.O.:	Date Analyzed: 05/20/05-05/24/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505315

Lab ID	0505315-001A	0505315-002A	0505315-003A	0505315-004A	Reporting Limit for DF =1	
Client ID	EX55@9'	EX56@9'	EX57@12'	EX58@12'		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	0.0070	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	97	89	90	91		
%SS2:	103	102	102	102		
%SS3:	100	118	117	116		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/19/05
5900 Hollis St, Suite A		Date Received: 05/20/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/20/05
	Client P.O.:	Date Analyzed: 05/20/05-05/24/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505315

					Reporting Limit for DF =1	
Lab ID	0505315-005A					
Client ID	EX59@9'					
Matrix	S					
DF	5				S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND<0.025				0.005	NA
Ethylbenzene	0.40				0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.025				0.005	NA
Toluene	ND<0.025				0.005	NA
Xylenes	ND<0.025				0.005	NA
Surrogate Recoveries (%)						
%SS1:	93					
%SS2:	106					
%SS3:	115					
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505315

EPA Method: SW8015Cm	Extraction: SW5030B				BatchID: 16302			Spiked Sample ID: 0505310-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	93.2	96	2.94	93.3	92.4	0.999	70 - 130	70 - 130
MTBE	ND	0.10	85.9	83.5	2.78	88.3	88.7	0.488	70 - 130	70 - 130
Benzene	ND	0.10	101	102	0.0223	97.3	98.4	1.19	70 - 130	70 - 130
Toluene	ND	0.10	83.4	84.1	0.834	81.5	81.4	0.195	70 - 130	70 - 130
Ethylbenzene	ND	0.10	103	103	0	101	101	0	70 - 130	70 - 130
Xylenes	ND	0.30	90.7	90.3	0.368	86.7	90.7	4.51	70 - 130	70 - 130
%SS:	95	0.10	109	111	1.99	104	101	3.26	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16302 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505315-001A	5/19/05 12:30 PM	5/20/05	5/20/05 11:05 PM	0505315-002A	5/19/05 11:05 AM	5/20/05	5/20/05 11:34 PM
0505315-003A	5/19/05 11:15 AM	5/20/05	5/21/05 12:04 AM	0505315-004A	5/19/05 11:22 AM	5/20/05	5/21/05 1:03 AM
0505315-005A	5/19/05 1:35 PM	5/20/05	5/21/05 12:34 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0505315

EPA Method: SW8260B	Extraction: SW5030B				BatchID: 16290			Spiked Sample ID: 0505280-034A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	115	113	2.22	118	116	2.09	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	115	98.8	15.4	115	106	7.65	70 - 130	70 - 130
Toluene	ND	0.050	113	114	0.993	115	114	0.373	70 - 130	70 - 130
%SS1:	94	0.050	100	97	2.61	100	99	0.661	70 - 130	70 - 130
%SS2:	106	0.050	95	98	2.81	96	97	0.555	70 - 130	70 - 130
%SS3:	106	0.050	117	111	4.79	113	115	2.08	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16290 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505315-001A	5/19/05 12:30 PM	5/20/05	5/20/05 10:26 PM	0505315-002A	5/19/05 11:05 AM	5/20/05	5/24/05 8:35 PM
0505315-003A	5/19/05 11:15 AM	5/20/05	5/24/05 9:18 PM	0505315-004A	5/19/05 11:22 AM	5/20/05	5/24/05 10:01 PM
0505315-005A	5/19/05 1:35 PM	5/20/05	5/24/05 7:52 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

LR QA/QC Officer

COPE 0505315

RUSH!

8x55 only

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☒ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: John Ortega	Bill To:
Company: CAMBRIA Env. Tech	
5900 Wells St. Suite A,	
Emeryville CA, 94608	E-Mail:
Tele: (510) 420-~~9170~~ 3349	Fax: (510) 420-9170
Project #: 9-2029	Project Name: 9-2029
Project Location: 890 W. MacArthur Blvd. Oakland, CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)	BTEX only (EPA 602/8020)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520/1664 (E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010/8021 (Halocarbons)	EPA 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141 (Np Pesticides)	EPA 8150 / 8151 (Acidic Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525 / 625 / 8270 (SVOCs)	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 / 6010)	Other	Comments
EX55@5'	9-2029	5/19/05	12:30	1	6ml VOA		X				X				X																BTEX + MTBE by 8260	Filter Samples for Metals analysis: Yes / No
EX56@5'			11:05	1			X				X				X																	
EX57@12'			11:15	1			X				X				X																	
EX58@12'			11:22	1			X				X				X																	
EX59@5'			1:35	1	6		X				X				X																	

Relinquished By:	Date: 5/20/05	Time: 3:35pm	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

COMMENTS:

PRESERVATION	VOAS	O&G	METALS pH<2	OTHER

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0505315 **ClientID: CETE**

Report to:
John Ortega
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #9-2029
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 05/20/2005
Date Printed: 05/20/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0505315-001	EX55@9'	Soil	5/19/05 12:30:00	☐	A	A													
0505315-002	EX56@9'	Soil	5/19/05 11:05:00	☐	A	A													
0505315-003	EX57@12'	Soil	5/19/05 11:15:00	☐	A	A													
0505315-004	EX58@12'	Soil	5/19/05 11:22:00	☐	A	A													
0505315-005	EX59@9'	Soil	5/19/05 1:35:00 PM	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments: 001 on 48hr rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/20/05
5900 Hollis St, Suite A		Date Received: 05/20/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Reported: 05/26/05
	Client P.O.:	Date Completed: 05/26/05

WorkOrder: 0505317

May 26, 2005

Dear John:

Enclosed are:

1). the results of **4** analyzed samples from your **#9-2029 project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/20/05
5900 Hollis St, Suite A		Date Received: 05/20/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/20/05
	Client P.O.:	Date Analyzed: 05/21/05-05/24/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0505317

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX60@9'	S	250,a	10	107
002A	EX61@12'	S	16,a	1	103
003A	EX62@9'	S	78,b,m	10	98
004A	EX63@9'	S	22,a	3.3	92

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/20/05
		Date Received: 05/20/05
5900 Hollis St, Suite A	Client Contact: John Ortega	Date Extracted: 05/20/05
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 05/24/05-05/25/05

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0505317

Lab ID	0505317-001A	0505317-002A	0505317-003A	0505317-004A	Reporting Limit for DF =1	
Client ID	EX60@9'	EX61@12'	EX62@9'	EX63@9'		
Matrix	S	S	S	S		
DF	40	2	1	6.7	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND<0.20	0.10	ND	0.25	0.005	NA
Ethylbenzene	6.1	0.19	0.095	0.90	0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.20	0.079	ND	ND<0.033	0.005	NA
Toluene	ND<0.20	ND<0.010	ND	ND<0.033	0.005	NA
Xylenes	ND<0.20	0.012	ND	0.035	0.005	NA
Surrogate Recoveries (%)						
%SS1:	86	89	95	90		
%SS2:	103	101	107	85		
%SS3:	119	117	105	111		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0505317

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 16302	Spiked Sample ID: 0505310-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	93.2	96	2.94	93.3	92.4	0.999	70 - 130	70 - 130
MTBE	ND	0.10	85.9	83.5	2.78	88.3	88.7	0.488	70 - 130	70 - 130
Benzene	ND	0.10	101	102	0.0223	97.3	98.4	1.19	70 - 130	70 - 130
Toluene	ND	0.10	83.4	84.1	0.834	81.5	81.4	0.195	70 - 130	70 - 130
Ethylbenzene	ND	0.10	103	103	0	101	101	0	70 - 130	70 - 130
Xylenes	ND	0.30	90.7	90.3	0.368	86.7	90.7	4.51	70 - 130	70 - 130
%SS:	95	0.10	109	111	1.99	104	101	3.26	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16302 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505317-001A	5/20/05 10:45 AM	5/20/05	5/24/05 3:58 AM	0505317-002A	5/20/05 11:05 AM	5/20/05	5/21/05 11:27 AM
0505317-003A	5/20/05 11:50 AM	5/20/05	5/24/05 4:27 AM	0505317-004A	5/20/05 11:52 AM	5/20/05	5/24/05 4:57 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0505317

EPA Method: SW8260B	Extraction: SW5030B				BatchID: 16321			Spiked Sample ID: 0505317-003A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	103	103	0	103	101	1.96	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	102	102	0	96.8	105	8.39	70 - 130	70 - 130
Toluene	ND	0.050	98.3	99.3	1.00	101	99.3	1.21	70 - 130	70 - 130
%SS1:	95	0.050	97	95	1.47	95	96	1.07	70 - 130	70 - 130
%SS2:	107	0.050	99	99	0	100	101	0.619	70 - 130	70 - 130
%SS3:	105	0.050	119	117	1.55	116	121	3.97	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16321 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505317-001A	5/20/05 10:45 AM	5/20/05	5/24/05 10:43 PM	0505317-002A	5/20/05 11:05 AM	5/20/05	5/24/05 11:26 PM
0505317-003A	5/20/05 11:50 AM	5/20/05	5/25/05 1:13 PM	0505317-004A	5/20/05 11:52 AM	5/20/05	5/25/05 2:17 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

LR QA/QC Officer

CETR 0505317

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required [circle one]? Coelt (Normal) Write On (DW) No EDF required

Report To: JOHN ORTEGA Bill To: CAMBRIA

Company: 5900 HOLLIS ST. SUITE A
EMERYVILLE, CA

E-Mail:

Tele: (510) 420-3349 Fax: (510) 420-9170

Project #: 9-2029 Project Name: 9-2029

Project Location: 890 WEST MACARTHUR BLVD., OAKLAND CA

Sampler Signature: Kamran Jawadi

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCl	HNO_3	Other
EX60@9'		5/20/05	1045	1	BRASS SLEEVES		X				X			
EX61@12'		5/20/05	1105	1			X				X			
EX62@9'		5/20/05	1150	1			X				X			
EX63@9'		5/20/05	1152	1			X				X			

Analysis Request																	Other	Comments
TPH as Gas (602/8020 + 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 / 8021	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8081	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141	EPA 8150 / 8151	EPA 524.2 / 624 / 8260	EPA 525 / 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 / 6010)	BTEX + MTBE By 8260		Filter Samples for Metals analysis: Yes / No
X																X		
X																X		
X																X		
X																X		

Relinquished By:	Date:	Time:	Received By:
Kamran Jawadi	5/20/05	1530	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

COMMENTS:

PRESERVATION	VOAS	O&G	METALS pH<2	OTHER

*Please circle water type:
GROUND WASTE DRINKING RECREATIONAL EFFLUENT

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0505317 **ClientID: CETE**

Report to:
John Ortega
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #9-2029
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: **5 days**
Date Received: **05/20/2005**
Date Printed: **05/20/2005**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0505317-001	EX60@9'	Soil	5/20/05 10:45:00	☐	A	A													
0505317-002	EX61@12'	Soil	5/20/05 11:05:00	☐	A	A													
0505317-003	EX62@9'	Soil	5/20/05 11:50:00	☐	A	A													
0505317-004	EX63@9'	Soil	5/20/05 11:52:00	☐	A	A													

Test Legend:

1 G-MBTEX_S	2 MBTEX-8260B_S	3	4	5
6	7	8	9	10
11	12	13	14	15

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 04/27/05
		Date Received: 04/27/05
5900 Hollis St, Suite A	Client Contact: John Ortega	Date Reported: 04/28/05
Emeryville, CA 94608	Client P.O.:	Date Completed: 04/28/05

WorkOrder: 0504406

April 28, 2005

Dear John:

Enclosed are:

1). the results of **2** analyzed samples from your **#9-2029 project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Oarlao for

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 04/27/05
5900 Hollis St, Suite A		Date Received: 04/27/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 04/27/05
	Client P.O.:	Date Analyzed: 04/28/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0504406

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Comp-2	S	140,b,m	ND<0.50	ND<0.050	0.38	0.68	0.23	10	101
002A	Comp-3	S	220,b,m	ND<0.50	0.060	0.64	1.2	0.65	10	116

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 04/27/05
5900 Hollis St, Suite A		Date Received: 04/27/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 04/27/05
	Client P.O.:	Date Analyzed: 04/28/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0504406

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Comp-2	S	140,b,m	---	ND<0.050	0.38	0.68	0.23	10	101
002A	Comp-3	S	220,b,m	---	0.060	0.64	1.2	0.65	10	116

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 04/27/05
5900 Hollis St, Suite A		Date Received: 04/27/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 04/27/05
	Client P.O.:	Date Analyzed: 04/27/05

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0504406

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0504406-001A	Comp-2	S	TTLC	9.0	1	98
0504406-002A	Comp-3	S	TTLC	10	1	95

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TTLC	5.0	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0504406

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 16013** **Spiked Sample ID: 0504397-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	95.5	98.3	2.83	97.8	96.6	1.31	70 - 130	70 - 130
MTBE	ND	0.10	88.7	92.6	4.26	90.9	90.7	0.190	70 - 130	70 - 130
Benzene	ND	0.10	94.2	101	7.02	98.8	100	1.67	70 - 130	70 - 130
Toluene	ND	0.10	86.7	83.6	3.62	81.9	82.3	0.386	70 - 130	70 - 130
Ethylbenzene	ND	0.10	104	108	3.68	103	106	2.50	70 - 130	70 - 130
Xylenes	ND	0.30	91	95.3	4.65	91	91.3	0.366	70 - 130	70 - 130
%SS:	80	0.10	110	110	0	98	105	7.00	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16013 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504406-001A	4/27/05 3:30 PM	4/27/05	4/28/05 3:34 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0504406

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 16023** **Spiked Sample ID: 0504409-023A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	0.60	98.1	97	1.19	95.6	95.5	0.0478	70 - 130	70 - 130
MTBE	ND	0.10	83.5	83.8	0.415	90.7	88	2.92	70 - 130	70 - 130
Benzene	ND	0.10	97.9	97.4	0.535	99.8	94.9	5.05	70 - 130	70 - 130
Toluene	ND	0.10	81.4	81.6	0.161	82.4	87.2	5.68	70 - 130	70 - 130
Ethylbenzene	ND	0.10	106	107	1.06	104	102	1.59	70 - 130	70 - 130
Xylenes	ND	0.30	91.7	95.3	3.92	91	90.3	0.735	70 - 130	70 - 130
%SS:	94	0.10	114	105	8.22	107	108	0.930	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16023 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504406-002A	4/27/05 3:45 PM	4/27/05	4/28/05 2:34 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0504406

EPA Method: 6010C	Extraction: SW3050B	BatchID: 16022	Spiked Sample ID: 0504406-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	9.0	50	81.5	84.7	3.12	10	93.4	90.7	2.96	75 - 125	80 - 120
%SS:	98	250	101	105	3.77	250	106	104	2.47	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16022 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504406-001A	4/27/05 3:30 PM	4/27/05	4/27/05 10:39 PM	0504406-002A	4/27/05 3:45 PM	4/27/05	4/27/05 10:49 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0504406 **ClientID: CETE**

Report to:
John Ortega
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-3349
FAX: (510) 420-9170
ProjectNo: #9-2029
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 2 days
Date Received: 04/27/2005
Date Printed: 04/27/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0504406-001	Comp-2	Soil	4/27/05 3:30:00 PM	☐	A	A													
0504406-002	Comp-3	Soil	4/27/05 3:45:00 PM	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	PB_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Rosa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

CETC-050 44406

McCAMPBELL ANALYTICAL, INC.

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PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☒ 48 HR ☐ 72 HR ☐ 5 DAY
EDF Required [circle one]? Coelt (Normal) Write On (DW) No EDF required

Report To: John Ochoa Bill To: CAMBRIA
Company: CAMBRIA Env. Tech
5900 Hollis St Suite B
Emeryville, CA 94608 E-Mail: JOchoa@CambriaEnv.com
Tele: (510) 420-3349 Fax: (510) 420-9170
Project #: 9-2029 Project Name: 9-2029
Project Location: 5900 Macarthur Blvd Oakland CA
Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCl	HNO_3	Other
Comp-2	9-2029	4/27/05	15:30	4	Amber		X							
Comp-3	9-2029	4/27/05	15:45	4	↓		X							

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 / 8021	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8081	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141	EPA 8150 / 8151	EPA 524.2 / 624 / 8260	EPA 525 / 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 / 6010)
X	X														X
X	X														X

Other | Comments

Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	4/27/05	4:32	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ____ ✓
GOOD CONDITION ____
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ____

COMMENTS:
If lead is >50 ppm Run STLC
STLC >5 Run TCLP ppm

PRESERVATION	VOAS	O&G	METALS pH<2	OTHER

*Please circle water type:
GROUND WASTE DRINKING RECREATIONAL EFFLUENT

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/17/05
5900 Hollis St, Suite A		Date Received: 05/17/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Reported: 05/18/05
	Client P.O.:	Date Completed: 05/18/05

WorkOrder: 0505243

May 18, 2005

Dear John:

Enclosed are:

1). the results of 1 analyzed sample from your **#9-2029 project,**

2). a QC report for the above sample

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/17/05
5900 Hollis St, Suite A		Date Received: 05/17/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/17/05
	Client P.O.:	Date Analyzed: 05/18/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0505243

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Comp-4	S	76,m	ND	0.013	0.55	0.33	0.091	1	96

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-2029	Date Sampled: 05/17/05
5900 Hollis St, Suite A		Date Received: 05/17/05
Emeryville, CA 94608	Client Contact: John Ortega	Date Extracted: 05/17/05
	Client P.O.:	Date Analyzed: 05/18/05

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0505243

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0505243-001A	Comp-4	S	TTLC	13	1	100

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TTLC	5.0	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0505243

EPA Method: SW8021B/8015Cm | **Extraction: SW5030B** | **BatchID: 16249** | **Spiked Sample ID: 0505221-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	93.8	107	13.0	97.1	95.4	1.74	70 - 130	70 - 130
MTBE	ND	0.10	96.6	113	15.7	98.5	98	0.465	70 - 130	70 - 130
Benzene	ND	0.10	96.2	99.3	3.14	102	99.5	2.11	70 - 130	70 - 130
Toluene	ND	0.10	81.1	86.5	6.44	84.1	80	4.95	70 - 130	70 - 130
Ethylbenzene	ND	0.10	102	102	0	104	98.4	5.33	70 - 130	70 - 130
Xylenes	ND	0.30	90.3	91.3	1.10	91	91.3	0.366	70 - 130	70 - 130
%SS:	94	0.10	94	105	11.1	108	98	9.20	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16249 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505243-001A	5/17/05 1:30 PM	5/17/05	5/18/05 10:13 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0505243

EPA Method: 6010C	Extraction: SW3050B	BatchID: 16248	Spiked Sample ID: 0505219-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	11	50	76.7	82	5.23	10	88.3	84.7	4.16	75 - 125	80 - 120
%SS:	110	250	107	108	1.58	250	106	115	8.70	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 16248 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505243-001A	5/17/05 1:30 PM	5/17/05	5/18/05 10:10 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

cete 0505243

RUSH

McCAMPBELL ANALYTICAL, INC.	CHAIN OF CUSTODY RECORD
110 2nd AVENUE SOUTH, #D7 PACHECO, CA 94553-5560 Website: www.mccampbell.com Email: main@mccampbell.com Telephone: (925) 798-1620 Fax: (925) 798-1622	TURN AROUND TIME: ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY EDF Required? Coelt (Normal) No Write On (DW) No

Report To: John Ortega Bill To: CAMBRIA

Company: CAMBRIA Env. Tech Inc.

5900 Hollis St, Suite A

Emeryville, CA 94608 E-Mail: Jortega@cambria-env.com

Tele: (510) 420-3349 Fax: (510) 420-9170

Project #: 9-2029 Project Name: 9-2029

Project Location: 590 W. MacArthur Blvd. Oakland, CA

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	HCL	HNO_3	Other	MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other			Comments: Filter Samples for Metals analysis: Yes / No
Comp-4	9-2029	5/17/05	13:30	4	BTSS NDS		X				X				X															X				

Relinquished By:	Date:	Time:	Received By:
[signature]	5/17/05	2:45pm	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB ✓
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION VOAS | O&G | METALS pH<2 | OTHER

COMMENTS: If Lead is >50 ppm Run STLC. If STLC > 5.0 Run TCLP.

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0505243 **ClientID: CETE**

Report to:
John Ortega
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #9-2029
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 05/17/2005
Date Printed: 05/17/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0505243-001	Comp-4	Soil	5/17/05 1:30:00 PM	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	PB_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

ATTACHMENT C

Summary Sheets – Soil Disposal at Landfills

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95072-BS

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Soil Disposed at Forward Landfill, Manteca, CA

	Removal/Disposal Date	Ton	Ticket No.	Manifest No.	Hauler
1	05/04/05	19.86	914777	363834	IWM
2	05/04/05	19.57	914778	363836	IWM
3	05/04/05	20.26	914779	363838	IWM
4	05/04/05	17.51	914780	363837	IWM
5	05/04/05	19.51	914781	363841	IWM
6	05/04/05	16.93	914782	363839	IWM
7	05/04/05	24.12	914783	363840	IWM
8	05/04/05	17.37	914784	363735	IWM
9	05/04/05	18.40	914785	363833	IWM
10	05/04/05	23.25	914786	363824	IWM
11	05/04/05	16.69	914787	363832	IWM
12	05/04/05	16.72	914788	363829	IWM
13	05/04/05	20.94	914789	363825	IWM
14	05/04/05	17.85	914790	363830	IWM
15	05/04/05	14.88	914791	363831	IWM
16	05/04/05	19.24	914792	363826	IWM
17	05/04/05	18.06	914794	363827	IWM
18	05/04/05	16.45	914795	363828	IWM
19	05/05/05	18.27	914906	363864	IWM
20	05/05/05	25.96	914907	363856	IWM
21	05/05/05	23.58	914908	363845	IWM
22	05/05/05	15.94	914909	363844	IWM
23	05/05/05	21.63	914910	363866	IWM
24	05/05/05	23.37	914911	363865	IWM
25	05/05/05	19.31	914912	363843	IWM
26	05/05/05	18.69	914913	363850	IWM
27	05/05/05	18.93	914914	363862	IWM
28	05/05/05	21.96	914915	363842	IWM
29	05/05/05	22.48	914916	363846	IWM
30	05/05/05	20.14	914917	363853	IWM

Subtotal Tonnage **587.87**

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95072-BS

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Soil Disposed at Forward Landfill, Manteca, CA

	Removal/Disposal Date	Ton	Ticket No.	Manifest No.	Hauler
31	05/05/05	19.07	914918	363849	IWM
32	05/05/05	22.17	914919	363563	IWM
33	05/05/05	18.32	914920	363847	IWM
34	05/05/05	26.57	480253	363848	IWM
35	05/05/05	20.30	480268	363851	IWM
36	05/05/05	16.98	480274	363867	IWM
37	05/05/05	21.53	480285	363852	IWM
38	05/05/05	20.41	480287	363854	IWM
39	05/05/05	18.95	480300	363855	IWM
40	05/05/05	25.60	480332	363857	IWM
41	05/05/05	18.48	480341	363858	IWM
42	05/06/05	21.30	480523	363860	IWM
43	05/06/05	19.52	480526	363859	IWM
44	05/06/05	20.62	480537	363861	IWM
45	05/06/05	24.35	480536	363868	IWM
46	05/06/05	21.53	480574		IWM
47	05/06/05	25.29	480584	363869	IWM
48	05/06/05	18.36	480555	363871	IWM
49	05/06/05	17.60	480557	363874	IWM
50	05/06/05	21.51	480596	363875	IWM
51	05/06/05	21.22	480591	363873	IWM
52	05/06/05	17.36	480619	363872	IWM
53	05/06/05	21.31	480721	363876	IWM
54	05/06/05	22.26	480725	363877	IWM
55	05/06/05	22.47	480737	363878	IWM
56	05/06/05	20.19	480764	363879	IWM
57	05/06/05	19.34	480749	363881	IWM
58	05/06/05	23.74	480754	363880	IWM
59	05/06/05	24.54	480762	363882	IWM
60	05/06/05	16.75	480774	363884	IWM

Subtotal Tonnage **627.64**

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95072-BS

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Soil Disposed at Forward Landfill, Manteca, CA

	Removal/Disposal Date	Ton	Ticket No.	Manifest No.	Hauler
61	05/06/05	23.93	480811	363883	IWM
62	05/06/05	24.28	480814	363885	IWM
63	05/06/05	26.32	480801	363886	IWM
64	05/09/05	21.30	481179	363890	IWM
65	05/09/05	25.20	481182	363889	IWM
66	05/09/05	23.98	481169	363888	IWM
67	05/09/05	21.96	481164	363891	IWM
68	05/09/05	19.26	481166	363887	IWM
69	05/09/05	25.42	481219	363892	IWM
70	05/09/05	23.42	481231	363894	IWM
71	05/09/05	17.86	481210	363893	IWM
72	05/09/05	21.05	481244	363895	IWM
73	05/09/05	23.05	481280	363896	IWM
74	05/09/05	23.02	481388	363897	IWM
75	05/09/05	20.77	481381	363898	IWM
76	05/09/05	28.00	481412	363900	IWM
77	05/09/05	24.00	481403	363899	IWM
78	05/09/05	24.36	481407	363901	IWM
79	05/09/05	24.60	481438	363902	IWM
80	05/09/05	26.67	481459	363905	IWM
81	05/09/05	23.59	481452	363903	IWM
82	05/09/05	17.87	481469	363904	IWM
83	05/09/05	20.83	481479	363906	IWM
84	05/10/05	15.08	481657	363907	IWM
85	05/10/05	14.85	481684	363908	IWM
86	05/10/05	18.91	481804	363909	IWM
87	05/10/05	20.06	481802	363910	IWM
88	05/10/05	17.29	481821	363911	IWM
89	05/10/05	18.18	481842	363912	IWM
90	05/10/05	18.53	481862	363913	IWM

Subtotal Tonnage **653.64**

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95072-BS

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Soil Disposed at Forward Landfill, Manteca, CA

	Removal/Disposal Date	Ton	Ticket No.	Manifest No.	Hauler
91	05/11/05	16.81	482121	363917	IWM
92	05/11/05	18.63	482110	363914	IWM
93	05/11/05	17.50	482129	363918	IWM
94	05/11/05	17.97	482124	363916	IWM
95	05/11/05	15.41	482126	363920	IWM
96	05/11/05	18.38	482153	363915	IWM
97	05/11/05	17.11	482150	363921	IWM
98	05/11/05	14.51	482152	363919	IWM
99	05/11/05	22.63	482169	363924	IWM
100	05/11/05	14.25	482189	363923	IWM
101	05/11/05	18.20	482191	363925	IWM
102	05/11/05	24.37	482212	363924	IWM
103	05/11/05	20.42	482223	363926	IWM
104	05/11/05	22.19	482262	363927	IWM
105	05/11/05	19.62	482302	363930	IWM
106	05/11/05	20.97	482306	363929	IWM
107	05/11/05	16.05	482308	363933	IWM
108	05/11/05	16.28	482330	363931	IWM
109	05/11/05	15.45	482310	363928	IWM
110	05/11/05	17.04	482333	363934	IWM
111	05/11/05	13.91	482321	363932	IWM
112	05/11/05	14.11	482335	363936	IWM
113	05/11/05	17.54	482366	363935	IWM
114	05/11/05	22.11	482368	363937	IWM
115	05/11/05	21.34	482377	363938	IWM
116	05/11/05	18.26	482381	363939	IWM
117	05/11/05	26.85	482402	363940	IWM
118	05/12/05	19.33	482657	363942	IWM
119	05/12/05	16.97	482562	363944	IWM
120	05/12/05	16.92	482563	363945	IWM

Subtotal Tonnage 556.13

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95072-BS

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Soil Disposed at Forward Landfill, Manteca, CA

	Removal/Disposal Date	Ton	Ticket No.	Manifest No.	Hauler
121	05/12/05	18.91	482566	363946	IWM
122	05/12/05	17.38	482595	363941	IWM
123	05/12/05	17.15	482594	363943	IWM
124	05/12/05	19.26	482573	363948	IWM
125	05/12/05	19.31	482587	363947	IWM
126	05/12/05	24.94	482612	363949	IWM
127	05/12/05	25.02	482632	363950	IWM
128	05/12/05	21.91	482637	363951	IWM
129	05/12/05	21.73	482646	363952	IWM
130	05/12/05	15.86	482660	363953	IWM
131	05/12/05	15.45	482665	363954	IWM
132	05/12/05	18.22	482653	363958	IWM
133	05/12/05	15.95	482673	363955	IWM
134	05/12/05	16.85	482676	363956	IWM
135	05/12/05	16.74	482672	363957	IWM
136	05/12/05	17.07	482686	363960	IWM
137	05/12/05	19.80	482689	363959	IWM
138	05/12/05	19.06	482710	363961	IWM
139	05/12/05	18.60	482788	363962	IWM
140	05/12/05	20.22	482753	363963	IWM
141	05/12/05	17.48	482767	363965	IWM
142	05/12/05	17.42	482772	363966	IWM
143	05/12/05	18.00	482771	363967	IWM
144	05/12/05	16.54	482776	363964	IWM
145	05/12/05	16.87	482779	363968	IWM
146	05/12/05	17.38	482821	363969	IWM
147	05/12/05	15.92	482809	363970	IWM
148	05/12/05	17.50	482826	363971	IWM
149	05/12/05	23.77	482837	363972	IWM
150	05/12/05	26.01	482858	363973	IWM

Subtotal Tonnage 566.32

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95072-BS

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Soil Disposed at Forward Landfill, Manteca, CA

	Removal/Disposal Date	Ton	Ticket No.	Manifest No.	Hauler
151	05/12/05	24.43	482860	363975	IWM
152	05/12/05	18.09	482839	363976	IWM
153	05/12/05	17.30	482863	363979	IWM
154	05/12/05	20.20	482871	363974	IWM
155	05/16/05	22.31	483639	363980	IWM
156	05/16/05	18.00	483640	363978	IWM
157	05/16/05	20.60	483688	363981	IWM
158	05/16/05	16.17	483685	363982	IWM
159	05/16/05	20.97	483721	363988	IWM
160	05/16/05	15.36	483757	363984	IWM
161	05/16/05	24.56	483836	363986	IWM
162	05/16/05	19.75	483855	363977	IWM
163	05/16/05	18.54	483885	363983	IWM
164	05/16/05	19.31	483916	363989	IWM
165	05/16/05	21.81	483917	363987	IWM
166	05/17/05	16.07	484011	363985	IWM
167	05/17/05	19.06	484069	364001	IWM
168	05/17/05	18.55	484086	363997	IWM
169	05/17/05	18.68	484090	363999	IWM
170	05/17/05	18.63	484078	364003	IWM
171	05/17/05	17.36	484079	364000	IWM
172	05/17/05	16.38	484099	363995	IWM
173	05/17/05	14.00	484089	363994	IWM
174	05/17/05	15.75	484097	0.64005	IWM
175	05/17/05	16.07	484267	633998	IWM
176	05/17/05	16.37	484261	364002	IWM
177	05/17/05	13.30	484264	363991	IWM
178	05/17/05	13.92	484271	363992	IWM
179	05/17/05	15.33	484298	363996	IWM
180	05/17/05	14.91	484281	364004	IWM

Subtotal Tonnage 541.78

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95072-BS

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Soil Disposed at Forward Landfill, Manteca, CA

	Removal/Disposal Date	Ton	Ticket No.	Manifest No.	Hauler
181	05/17/05	16.28	484299	363990	IWM
182	05/17/05	13.28	484288	363993	IWM
183	05/18/05	17.21	484576	364006	IWM
184	05/18/05	16.83	484550	364023	IWM
185	05/18/05	15.50	484569	57241	IWM
186	05/18/05	16.59	484572	57242	IWM
187	05/18/05	20.95	484575	57245	IWM
188	05/18/05	17.12	484574	57243	IWM
189	05/18/05	17.24	484577	57246	IWM
190	05/18/05	14.34	484583	57247	IWM
191	05/18/05	16.00	484611	57244	IWM
192	05/18/05	15.41	484613	57248	IWM
193	05/18/05	15.63	484625	57249	IWM
194	05/18/05	17.78	484627	57250	IWM
195	05/18/05	13.73	484635	57252	IWM
196	05/18/05	12.61	484633	57251	IWM
197	05/18/05	15.76	484773	364021	IWM
198	05/18/05	14.78	484750	364022	IWM
199	05/18/05	15.51	484754	364020	IWM
200	05/18/05	16.40	484769	364019	IWM
201	05/18/05	14.56	484758	364018	IWM
202	05/18/05	16.54	484768	364017	IWM
203	05/18/05	13.95	484790	364014	IWM
204	05/18/05	14.81	484806	364015	IWM
205	05/18/05	14.79	484824	364016	IWM
206	05/18/05	16.28	484827	364013	IWM
207	05/18/05	14.54	484831	364009	IWM
208	05/18/05	15.37	484834	5461	IWM
209	05/18/05	15.55	484835	364010	IWM
210	05/18/05	16.24	484849	364011	IWM

Subtotal Tonnage | **471.58**

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95072-BS

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Soil Disposed at Forward Landfill, Manteca, CA

	Removal/Disposal Date	Ton	Ticket No.	Manifest No.	Hauler
211	05/19/05	21.59	485026	369773	IWM
212	05/19/05	18.07	485027	364007	IWM
213	05/19/05	21.32	485035	369775	IWM
214	05/19/05	17.60	485044	369776	IWM
215	05/19/05	21.31	485067	369774	IWM
216	05/19/05	15.24	485079	369777	IWM
217	05/19/05	15.87	485051	369778	IWM
218	05/19/05	14.33	485086	369780	IWM
219	05/19/05	16.47	485211	369779	IWM
220	05/19/05	14.78	485081	369781	IWM
221	05/19/05	19.07	485116	369784	IWM
222	05/19/05	17.79	485118	369783	IWM
223	05/19/05	20.32	485130	369786	IWM
224	05/19/05	19.87	485132	369787	IWM
225	05/19/05	20.20	485146	369788	IWM
226	05/19/05	17.60	485155	369791	IWM
227	05/19/05	18.73	485160	369790	IWM
228	05/19/05	18.81	485151	369785	IWM
229	05/19/05	21.54	485210	369789	IWM
230	05/19/05	16.97	485218	369782	IWM
231	05/19/05	21.17	485227	369792	IWM
232	05/19/05	18.88	485237	369795	IWM
233	05/19/05	19.05	485238	369794	IWM
234	05/19/05	20.34	485240	369793	IWM
235	05/19/05	20.67	485259	369823	IWM
236	05/19/05	19.26	485294	369821	IWM
237	05/19/05	20.72	485296	369796	IWM
238	05/19/05	14.54	485272	369820	IWM
239	05/19/05	19.64	485303	369818	IWM
240	05/19/05	18.32	485301	369819	IWM

Subtotal Tonnage | 560.07 |

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95072-BS

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Soil Disposed at Forward Landfill, Manteca, CA

	Removal/Disposal Date	Ton	Ticket No.	Manifest No.	Hauler
241	05/19/05	19.04	485311	369816	IWM
242	05/19/05	17.61	485316	369817	IWM
243	05/19/05	16.30	485321	369815	IWM
244	05/19/05	19.19	485334	369802	IWM
245	05/19/05	18.77	485335	369803	IWM
246	05/19/05	20.02	485374	369809	IWM
247	05/20/05	16.74	485476	369799	IWM
248	05/20/05	17.40	485512	369801	IWM
249	05/20/05	15.75	485485	369797	IWM
250	05/20/05	17.90	485496	369805	IWM
251	05/20/05	18.96	485498	369804	IWM
252	05/20/05	20.03	485502	369806	IWM
253	05/20/05	16.00	485503	369807	IWM
254	05/20/05	16.65	485531	369835	IWM
255	05/20/05	19.50	485534	369808	IWM
256	05/20/05	17.71	485538	369834	IWM
257	05/20/05	17.30	485548	369833	IWM
258	05/20/05	15.14	485672	369832	IWM
259	05/20/05	18.63	485664	369831	IWM
260	05/20/05	17.63	485678	369829	IWM
261	05/20/05	17.83	485682	369827	IWM
262	05/20/05	16.29	485683	369830	IWM
263	05/20/05	18.46	485685	369828	IWM
264	05/20/05	18.81	485692	369826	IWM
265	05/20/05	18.14	485719	369824	IWM
266	05/20/05	17.35	485724	369825	IWM
267	05/20/05	16.73	485715	369813	IWM
268	05/20/05	16.52	485739	369814	IWM
269	05/20/05	18.94	485742	369812	IWM

Subtotal Tonnage 515.34

Total Tonnage 5080.37

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035

ATTACHMENT "B"

95104-BW

Chevron #9-2029
890 W MacArthur Blvd
Oakland, CA

Water Disposed at Chemical Waste Management, Kettleman Hills, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
1	05/16/05	23.25	MCK160505-CH	130769	IWM
2	05/23/05	22.92	MCK230505-CH	208289	IWM
3	05/24/05	21.74	MCK240505-CH	208402	IWM
4	05/25/05	23.02	MCK250505-CH	204160	IWM
5	05/26/05	14.56	MCK260505-CH	204253	IWM
6	06/08/05	0.85	MCK080605-CH	205441	IWM

Total Tonnage **106.34**

ATTACHMENT D

Compaction Testing Report

CAMBRIA

All attachments referenced in the following report, ***LETTER REPORT OF BACKFILL & COMPACTION OBSERVATION for Over-Excavation Work at Former Chevron Service Station Number 9-2029, 890 West MacArthur Boulevard, Oakland, California,*** dated June 17th, 2005, produced by CEECON Testing, Inc. are filed at Cambria Environmental Technology, Inc. and are available upon request.

CEECON

June 17th, 2005

Mr. Bryan H. Musco
Musco Excavators, Inc.
2526 Greenvale Court
Santa Rosa, California 95401

Subject: LETTER REPORT OF BACKFILL & COMPACTION OBSERVATION for Over-Excavation Work at Former Chevron Service Station Number 9-2028, 890 West MacArthur Boulevard, Oakland, California.

Mr. Musco:

CEECON Testing, Inc. (CEECON) is pleased to submit this LETTER REPORT to Musco Excavators, Inc. (Musco) to summarize the observation of backfill and compaction activities recently performed at the subject site. CEECON previously prepared a similar report for backfill and compaction work in the area of three former underground storage tanks (USTs) on this same site. Additional excavation was performed as part of an ongoing environmental investigation related to petroleum-hydrocarbon impacted soil and groundwater encountered at this site. The extents and depth of the additional excavation work were determined by Mr. John Ortega of Cambria Environmental Technology Inc. of Emeryville, California [(510) 420-0700].

The total depth of the excavation was approximately twelve feet to thirteen feet (12'-13') below grade surface (BGS). Subsurface water that collected at the base of the excavation was extracted and temporarily stored in an on-site storage tank, and subsequently disposed of off site. CEECON understands that the native material at the base of the excavation was, whenever possible, re-compacted by Musco.

Drain Rock from the Syar Industries Quarry in Vallejo, California [(707) 252-8711] was imported to the site and backfilled into the excavation from the base of the excavation to approximately five feet (5') BGS. The excavation and removal of hydrocarbon impacted soil continued to the north and east of the original excavation at the same time that clean material was being imported to the site. Imported backfill material was selected by Musco.

When the desired limits of excavation were reached, the imported *Drain Rock* was spread evenly across the base of the excavation. A laser-leveling system was used to bring the depth of *Drain Rock* to five feet (5') BGS across the excavation. Equipment used by Musco to complete backfilling and compaction activities included:

- A BOMAG BW 213 PDH-3 84" Drum Sheepsfoot Compactor
- A BOMAG 172 PDB 66" Drum Sheepsfoot Compactor
- A John Deere Turbo 4x4 710 D Backhoe
- A Cat 322 BL 60' Long-Reach Excavator (63,000 pounds)
- A Komatsu PC 300LC Excavator (75,000 pounds)
- A 500-Gallon Self-Contained Water Wagon
- A "Special Precision" Laser Plane Grade Leveling System, and
- A F550 Ford Super Duty Support Truck.

A layer of filter fabric was placed above the backfilled Drain Rock. The filter fabric is model Mirafi 160N (non woven) manufactured by Mirafi. A sample of this fabric is attached to this report. Photographs taken during backfill and compaction activities are also attached on compact disk.

Inch-and-a-half baserock, also imported from Syar Industries Quarry, was used as backfill material from approximately five feet (5') BGS to even grade in the excavation. A sample of the backfill material was collected and delivered to Cooper Testing Labs, Inc. (Cooper) in Palo Alto, California so that a compaction curve could be prepared. Results of a maximum density test were provided by Cooper, and are attached to this letter for reference. The maximum dry density (148.0 lbs/ft^3) was used in compaction testing to be performed in accordance with ASTM 1557 D Standard Test Methodology. However, Cooper pointed out that some of the material appeared to be larger than 1.5 inches in maximum length. CEECON confirmed with Mr. Bill Bond of Syar Industries Quarry [(707) 975-6063] that the sample tested by Cooper was a representative sample, and that the maximum density reported by Cooper was reasonably close to data obtained from other testing labs on the same material.

The *Inch-and-a-half baserock* was placed in lifts approximately eight to ten inches (8" to 10") thick. City water obtained from a hydrant on the south-west corner of the site was used to increase the moisture percentage of imported material to an acceptable range. Initially, a ramp was used at the south-east corner of the excavation to allow for equipment and personnel access. The edges of the excavation were rolled into the backfill material at approximately two feet (2') BGS.

Seventy Five (75) compaction tests were performed with a nuclear density gauge. In two small areas the moisture content of the backfill material exceeded allowable limits. In those areas, the imported material was removed and mixed with drier imported material, and then re-compacted in the excavation. In the areas that tested below 90 percent of maximum dry density, Musco performed additional compaction and CEECON re-tested until 90 percent compaction was achieved. The results of these tests are attached.

CEECON was present on the subject site to observe compaction of the imported fill material within the excavation on the subject site. CEECON field tested the compacted fill from approximately five feet (5') BGS to even grade only within the over-excavation portion of the subject site. No other geo-technical information should be inferred and/or used from these data.

Any site developer should consult a competent geotechnical professional to consider appropriate measures for site conditions including: un-compacted materials; potential voids; and unknown debris previously backfilled at this site. Please call if you have any questions.

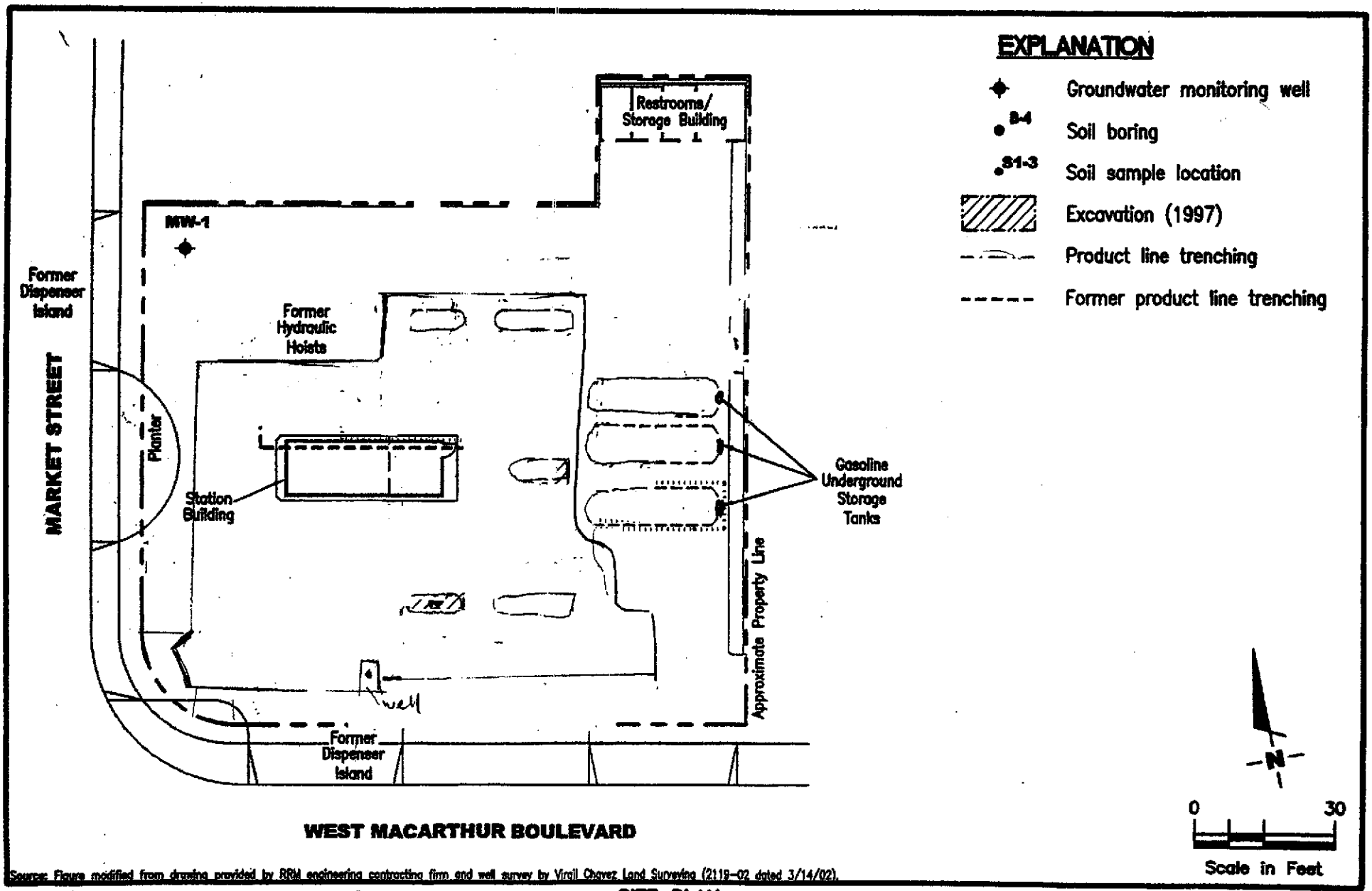
Sincerely,
CEECON

Michael Hodges
President

REGISTERED GEOLOGIST
ROBERT D. CAMPBELL
11/30/06
CERTIFIED ENGINEERING GEOLOGIST
#2089
STATE OF CALIFORNIA

Robert Campbell
Engineering Geologist
Registration #2089

Attachments: SITE MAP
LABORATORY COMPACTION TEST RESULTS
FIELD COMPACTION TEST RESULTS
SITE PHOTOS ON DISK
FILTER FABRIC SAMPLE



Source: Figure modified from drawing provided by RRM engineering contracting firm and well survey by Virgil Chavez Land Surveying (2119-02 dated 3/14/02).

GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

SITE PLAN
Chevron Service Station No. 9-2029
890 West MacArthur Boulevard
Oakland, California

FIGURE
2

PROJECT NUMBER
DG92029G 4C01

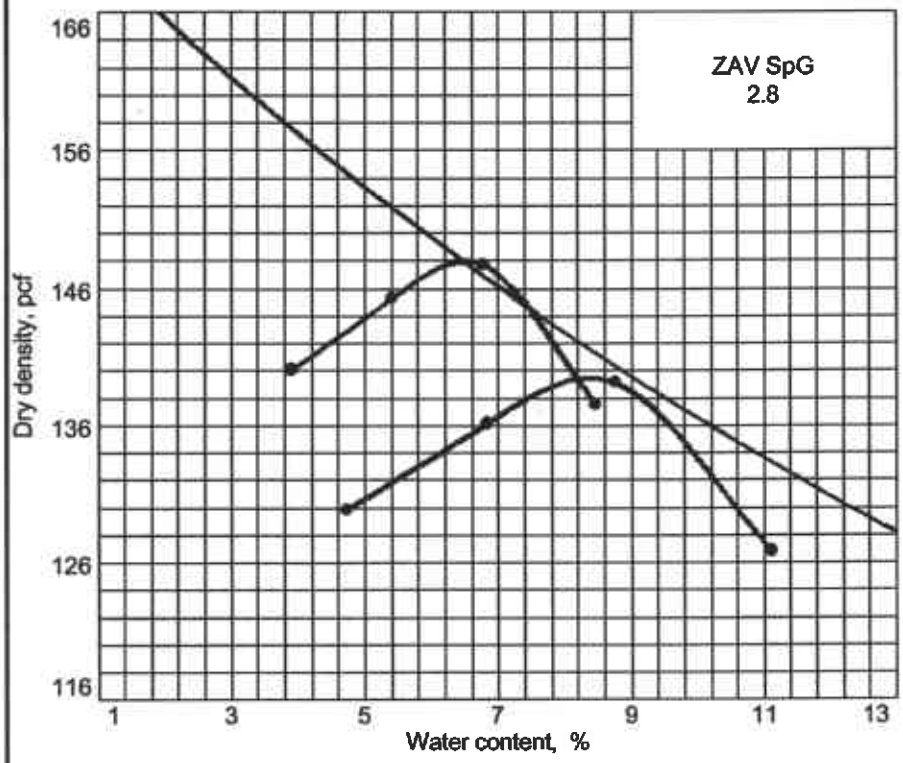
REVIEWED BY

DATE
4/02

REVISED DATE

FILE NAME: P:\DWG\CHRON\9-2029\A00-9-2029.DWG | Layout Tab: Well Install 4-02

COMPACTION TEST REPORT



Curve No.

Test Specification:
ASTM D 1557-00 Method C Modified
Oversize correction applied to each point

Hammer Wt.: 10 lb.
Hammer Drop: 18 in.
Number of Layers: five
Blows per Layer: 56
Mold Size: .075 cu.ft.

Test Performed on Material Passing 3/4 in. **Sieve**

Soil Data

NM _____ **Sp.G.** 2.7
LL _____ **PI** _____
%>3/4 in. 28.4 **%<#200** _____
USCS _____ **AASHTO** _____

TESTING DATA

	1	2	3	4	5	6
WM + WS	16.96	17.40	22.88	16.25		
WM	6.05	6.05	12.31	6.05		
WW + T #1	763.80	1562.50	1452.90	1301.00		
WD + T #1	725.00	1449.50	1323.30	1249.40		
TARE #1	157.20	159.10	157.00	158.10		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	5.4	6.8	8.5	3.9		
DRY DENSITY	145.3	147.7	137.6	140.1		

ROCK CORRECTED TEST RESULTS	UNCORRECTED	Material Description
Maximum dry density = 148.0 pcf	139.5 pcf	Greenish Gray GRAVEL with Silt & Sand
Optimum moisture = 6.5 %	8.4 %	

Project No. 183-016 **Client:** CEECON Testing
Project: Oakland.Big Ex - 601.06

● **Source:** **Sample No.:** Big Ex 1

COMPACTION TEST REPORT

COOPER TESTING LABORATORY

Remarks:
This material is free draining. Per ASTM, this is unsuitable material for D1557. A well-defined curve may not be possible to obtain. D4253 and D4254 would be more appropriate tests.

Figure

Compaction Test Results
Chevron Station No. 9-2028
West Macarthur and Market Streets
Oakland, California

OVER-EXCAVATION AREA

Date	Test	Test Depth	Percent Moist	Percent Compaction
Curve Provided by Cooper Testing Labs, Max. Density = 148.0 lbs/ft				
05/23/05	1	4.5	5.71	90.71
05/23/05	2	4.5	5.38	93.92
05/23/05	3	4.5	7.08	92.53
05/23/05	4	4.5	5.42	90.58
05/23/05	5	4.5	5.46	93.46
05/23/05	6	4.5	5.66	93.79
05/23/05	7	4.5	5.16	91.92
05/23/05	8	4.0	5.58	90.37
05/23/05	9	4.0	5.65	90.54
05/23/05	10	4.0	6.48	95.61
05/23/05	11	4.0	6.16	91.87
05/23/05	12	4.0	6.35	90.89
05/24/05	13	4.0	6.36	92.82
05/24/05	14	4.0	5.28	94.39
05/24/05	15	4.0	6.88	90.28
05/24/05	16	4.0	7.02	90.68
05/24/05	17	4.0	5.84	90.61
05/24/05	18	3.5	6.03	91.38
05/24/05	19	3.5	6.49	91.48
05/24/05	20	3.5	6.22	90.06
05/24/05	21	3.5	6.11	93.53
05/25/05	22	3.5	6.06	91.53
05/25/05	23	3.5	5.99	90.90

Compaction Test Results
Chevron Station No. 9-2028
West Macarthur and Market Streets
Oakland, California

OVER-EXCAVATION AREA

Date	Test	Test Depth	Percent Moist	Percent Compaction
Curve Provided by Cooper Testing Labs, Max. Density = 148.0 lbs/ft				
05/24/05	24	3.5	6.02	91.11
05/25/05	25	3.0	5.54	90.01
05/25/05	26	3.0	5.21	93.03
05/25/05	27	3.0	5.93	90.72
05/25/05	28	3.0	6.07	91.94
05/25/05	30	3.0	5.37	91.67
05/25/05	31	3.0	5.33	90.16
05/25/05	32	3.0	5.84	94.84
05/25/05	33	3.0	6.00	92.15
05/25/05	34	3.0	5.35	91.07
05/25/05	35	3.0	6.03	91.22
05/26/05	36	2.5	5.13	92.10
05/26/05	37	2.5	5.54	90.30
05/26/05	38	2.5	5.44	90.19
05/26/05	39	2.5	5.40	91.18
05/26/05	40	2.5	5.24	90.41
05/26/05	41	2.5	5.40	90.60
05/26/05	42	2.5	5.66	92.19
05/27/05	43	2.0	6.16	90.77
05/27/05	44	2.0	6.44	92.72
05/27/05	45	2.0	6.19	93.82
05/27/05	46	2.0	5.18	91.94
05/27/05	47	2.0	6.06	93.01
05/27/05	48	2.0	5.94	90.80
05/27/05	49	2.0	5.52	91.62
05/27/05	50	2.0	4.94	91.26
05/27/05	51	2.0	5.45	90.54

Compaction Test Results
Chevron Station No. 9-2028
West Macarthur and Market Streets
Oakland, California

OVER-EXCAVATION AREA

Date	Test	Test Depth	Percent Moist	Percent Compaction
Curve Provided by Cooper Testing Labs, Max. Density = 148.0 lbs/ft				
05/27/05	52	2.0	5.77	92.32
05/31/05	53	1.5	6.22	91.74
05/31/05	54	1.5	5.75	94.02
05/31/05	55	1.5	5.95	92.55
05/31/05	56	1.5	6.37	92.08
05/31/05	57	1.5	5.88	91.22
05/31/05	58	1.5	5.37	90.92
05/31/05	59	1.5	5.33	90.17
05/31/05	60	1.5	5.77	90.64
05/31/05	61	1.5	5.42	91.92
06/01/05	62	1.0	5.09	93.95
06/01/05	63	1.0	4.96	94.03
06/01/05	64	1.0	5.06	94.22
06/01/05	65	1.0	5.64	96.58
06/01/05	66	1.0	6.08	97.05
06/01/05	67	1.0	5.68	93.56
06/01/05	68	1.0	6.38	91.96
06/02/05	69	0.5	6.24	93.90
06/02/05	70	0.5	5.62	91.19
06/02/05	71	0.5	5.34	90.87
06/02/05	72	0.5	6.02	91.63
06/02/05	73	0.5	5.10	90.69
06/02/05	74	0.5	5.10	91.42
06/02/05	75	0.5	5.45	93.54

CEECON

Transmittal Sheet

Document	- COMPACTION TESTING REPORT (2 COPIES)
From	Michael Hodges CEECON Testing, Inc. 434 North Canal Street, Suite Six South San Francisco, California 94080 TEL: (650) 827-7474 FAX: (650) 827-7476
Sent to	Mr. Bryan H. Musco MUSCO Excavators 2526 Greenvale Court Santa Rosa, California 95401 TEL: (707) 579-0250 FAX: (707) 575-7389 MBL: (707) 975-6885
Site	Former Chevron Service Station Number 9-2028 Northeast Corner of West MacArthur & Market Street Oakland, California
CEECON Project #	601.06
Via	U.S. Priority Mail
Date	June 17th, 2005