

P & D ENVIRONMENTAL
A Division of Paul H. King, Inc.
4020 Panama Court
Oakland, CA 94611
(510) 658-6916

FAX TRANSMITTAL
COVER SHEET

Date: 3-30-99

JOB # 0014 Xtra Oil
Castro Valley

To: Scott Seery

Company: Marinda County of Environmental Health

From: Paul King
P&D ENVIRONMENTAL

Number of pages in this transmittal, including this cover sheet: 4

SUBJECT: XTRA OIL - Castro Valley

MESSAGE: Scott, attached are the results for
P29 and P30.

Paul

If transmittal is incomplete, please call (510) 658-6916.
P&D Environmental fax number: (510) 658-9074.

DESTINATION FAX NUMBER: (510) 337-9385



McCAMPBELL ANALYTICAL INC.

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

P&D Environmental 4020 Panama Court Oakland, CA 94611	Client Project ID: #0014; Xtra Oil-Castro Valley	Date Sampled: 03/21/99
	Client Contact: Paul King	Date Received: 03/22/99
	Client P.O:	Date Extracted: 03/23/99
		Date Analyzed: 03/23/99

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline^a, with Methyl tert-Butyl Ether^b & BTEX^c
 EPA methods 8010, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GC/FID (5030)

Lab ID	Client ID	Matrix	TPH(g) ^d	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
05536	P29	W	ND,i	ND	ND	ND	ND	ND	99
05537	P30	W	ND,i	ND	ND	ND	ND	ND	100
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W		50 ug/L	5.0	0.5	0.5	0.5	0.5	
	S		1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

^a water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L

^d cluttered chromatogram, sample peak coelutes with surrogate peak

^e 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 (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

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

P&D Environments 4020 Panama Court Oakland, CA 94611	Client Project ID: #0014; Xtra Oil-Castro Valley	Date Sampled: 03/21/99
	Client Contact: Paul King	Date Received: 03/22/99
	Client P.O.	Date Extracted: 03/22/99
		Date Analyzed: 03/23-03/24/99

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d) ^a	% Recovery Surrogate
05536	P29	W	ND,i	103
05537	P30	W	ND,i	97
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	


^a water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / STIC / SPLP extracts in ug/L

^b cluttered chromatogram resulting in overlaid surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

*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 diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than -5 vol. % sediment.

CHAIN OF CUSTODY RECORD

14403Zpd2 PAGE 1 of 1

PROJECT NUMBER: 0014			PROJECT NAME: XTR Oil - Castro Valley			NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-G/BTEX/AT	PRESERVATIVE	REMARKS
SAMPLED BY: (PRINTED AND SIGNATURE) Paul H. King									
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION					
P29	3/20/99			Borehole P29		5	X X	ice	Normal burn
P30	"			" P30		5	X X	-H-	around
									
						KEEP GOOD CONDITION	PRESERVATION APPROPRIATE	VOIS/OAC/NEWS/OTHER	
						HEADSPACE ABSENT	CONTAINERS		
RELINQUISHED BY: (SIGNATURE) Paul H. King			DATE 3/22	TIME 1:22	RECEIVED BY: (SIGNATURE) Ed Hamilton #2923			LABORATORY: McCabell Analytical	
RELINQUISHED BY: (SIGNATURE) Ed Hamilton #2923			DATE 3/22	TIME 5:01	RECEIVED BY: (SIGNATURE)			LABORATORY CONTACT: Ed Hamilton (825) 798-1620	
RELINQUISHED BY: (SIGNATURE)			DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE) VIAA V (M)			LABORATORY PHONE NUMBER: (825) 798-1620	
						SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES (X) NO			
						REMARKS: VOIS preservat with H			

55
54