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April 10, 1997

Mr. Phil Briggs Chevron Products Company P. O. Box 6004 San Ramon, California 94583

Subject:

Soil Sampling During Product Dispenser Replacement at Chevron Service Station

#9-2029, 890 West MacArthur Boulevard, Oakland, California.

Mr. Briggs:

At the request of Chevron Products Company (Chevron), Gettler-Ryan Inc. (GR) conducted a soil investigation during product dispenser replacement and gasoline underground storage tank (UST) upgrade at the subject site. The purpose of this soil investigation was to evaluate whether the soil beneath the former dispenser islands and in the immediate northern vicinity of the gasoline UST pit has been impacted by hydrocarbons. The scope of work included: collecting and analyzing samples from native soil beneath the former dispenser islands, from the northern sidewall of the gasoline UST pit, and from soil stockpiles; and preparing a report presenting the findings. In addition, a sample of water which was pumped from the gasoline UST during tank upgrade activities and stored onsite in a Baker Tank was collected and analyzed for disposal characterization.

SITE DESCRIPTION

The subject site is a service station located at the intersection of MacArthur Boulevard and Market Street (Figure 1). Station facilities consist of a station building, five product dispenser islands, and three gasoline USTs. Pertinent site features are shown on Figure 2.

FIELD WORK

Construction work and sampling during product dispenser replacement and tank upgrade was performed by GR. Soil sampling was conducted in accordance with the GR Field Methods and Procedures (attached), and the Site Safety Plan dated February 25, 1997. Soil samples collected during this investigation were delivered under chain-of-custody to Sequoia Analytical in Walnut Creek (ELAP #1271). Analytical methods and results are summarized in Table 1. Copies of the laboratory analytical reports and chain-of-custody record are attached.

Soil Sampling

The former product dispensers were removed and the soil in the immediate vicinity of each dispenser island was excavated. Each excavation was approximately 12 feet long, 10 feet wide and 2.5 feet deep. Soil in the vicinity of the former dispenser islands consisted of dark brown clay. Soil near the former southeastern dispenser islands exhibited greenish gray discoloration and hydrocarbon odor. Soil near the former

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southwestern, northwestern and middle dispenser islands exhibited slight hydrocarbon odor. On February 26, 1997, soil samples S1-3 through S5-3 were collected at the base of these excavations. The samples were collected at the approximate depth of 3 feet below ground surface (bgs). Mr. Brian P. Oliva of the Alameda County Health Care Services Agency (ACHCSA) was present at the site to observe sample collection. Per ACHCSA request, one soil sample (S6-3) was also collected from the northern wall of the gasoline UST pit at the depth of approximately 3 feet bgs, where the dark colored soil was observed. Sample locations are shown on Figure 2.

TPHg were not detected in soil sample S1-3, but were present in soil samples S2-3 through S5-3 at concentrations ranging from 2.0 parts per million (ppm) to 38 ppm. Benzene was not detected in samples S1-3 or S2-3, but was present in soil samples S3-3 through S5-3 at concentrations ranging from 0.0098 ppm to 0.63 ppm. MTBE was detected in all five samples collected from beneath the former dispenser islands at concentrations ranging from 0.08 ppm to 0.62 ppm. The soil sample S6-3, collected from the northern sidewall of the gasoline UST pit did not contain TPHg, BTEX or MTBE.

Stockpile Sampling

Soil generated during site investigation and reconstruction activities was stockpiled onsite, placed on and covered with plastic sheeting pending disposal. Two separate soil stockpiles were generated during this phase of the site work.

On February 26, 1997, four soil samples [SP (A-D)] were collected from arbitrary locations on the stockpile containing approximately 70 cubic yards of soil and backfill material excavated from the former dispenser island areas. On March 5, 1997, four samples [SP1-(A-D)] were collected from arbitrary locations on the stockpile containing approximately 90 cubic yards of soil excavated from the new electrical line trenches and other excavations associated with site reconstruction.

Water Sampling

Water pumped from the gasoline UST pit during tank upgrade activities was stored onsite in a Baker Tank pending disposal. On March 3, 1997, one water sample was collected from the Baker Tank for disposal characterization.

SOIL AND GROUNDWATER DISPOSAL

On March 19, 1997, the stockpiled soil (approximately 162 cubic yards) was removed from the site and transported to Redwood landfill in Novato by Allwaste. On March 20 and 21, 1997, IWM transported a total of 7,800 gallons of water pumped from the gasoline UST to McKittrick Waste Management. Soil and water disposal confirmation forms are attached.

After reviewing the data Mr. Oliva gave us a verbal notification that no further action was required at the site on February 28, 1997.

If you should have any questions please call us in Dublin at (510) 551-8777.

Sincerely,

Gettler-Ryan Inc.

Barbara Sieminski

Project Geologist

Stephen J. Carter Senior Geologist R.G. 5577

Attachments:

Table 1. Analytical Results

Figure 1. Vicinity Map

Figure 2. Soil Concentration Map GR Field Methods and Procedures Disposal Confirmation Forms

Laboratory Analytical Reports and Chain-of-Custody Records

Table 1. Analytical Results - Chevron Service Station #9-2029, 890 West MacArthur, Oakland, California.

Sample	Depth (ft)	Date	TPHg	Benzenc	Toluene	Ethylbenzeneppm	Xylenes	MTBE>
S1-3 S2-3 S3-3 S4-3 S5-3 S6-3	3.0 3.0 3.0 3.0 3.0 3.0 3.0	02/26/97 02/26/97 02/26/97 02/26/97 02/26/97 02/26/97	<1.0 6.0¹ 4.1² 2.0² 38 <1.0	<0.0050 <0.0050 0.0098 0.016 0.63 <0.0050	<0.0050 <0.0050 0.0087 0.0088 0.14 <0.0050	<0.0050 <0.0050 0.027 <0.0050 0.90 <0.0050	0.011 0.0079 0.026 0.015 0.37 <0.0050	0.087 0.38 0.44 0.42 0.62 < 0.050
SP (A-D) SP1-(A-D)		02/26/97 03/05/97	<1.0 i.3	<0.0050 <0.0050	<0.0050 <0.0050	<0.0050 0.017	<0.0050 0.055	-
BT	-	03/03/97	< 	<0.50	<0.50		<0.50	****

EXPLANATION:

TPHg = Total Petroleum Hydrocarbons as gasoline

MTBE = Methyl t-Butyl Ether

ppm = Parts per million

ppb = Parts per billion

- = Not analyzed/not applicable

ANALYTICAL METHODS:

TPHg = EPA Method 8015 Mod.

Benzene, toluene, ethylbenzene, xylenes, and MTBE = EPA Method 8020

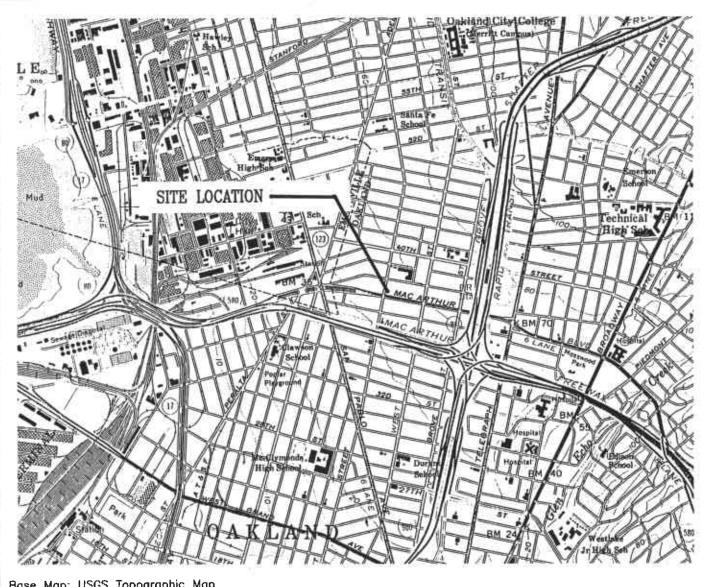
ANALYTICAL LABORATORY:

Sequoia Analytical (ELAP #1271)

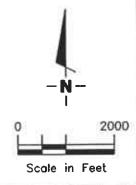
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^{1 =} Unidentified hydrocarbons > C8

^{2 =} Gasoline and discrete peaks







Base Map: USGS Topographic Map



Gettler - Ryan Inc.

6747 Sierro Ct., Suite J Dublin, CA 94568

(510) 551-7555

VICINITY MAP

Chevron Service Station No. 9-2029 880 West MacArthur Boulevard Oakland, California

DATE

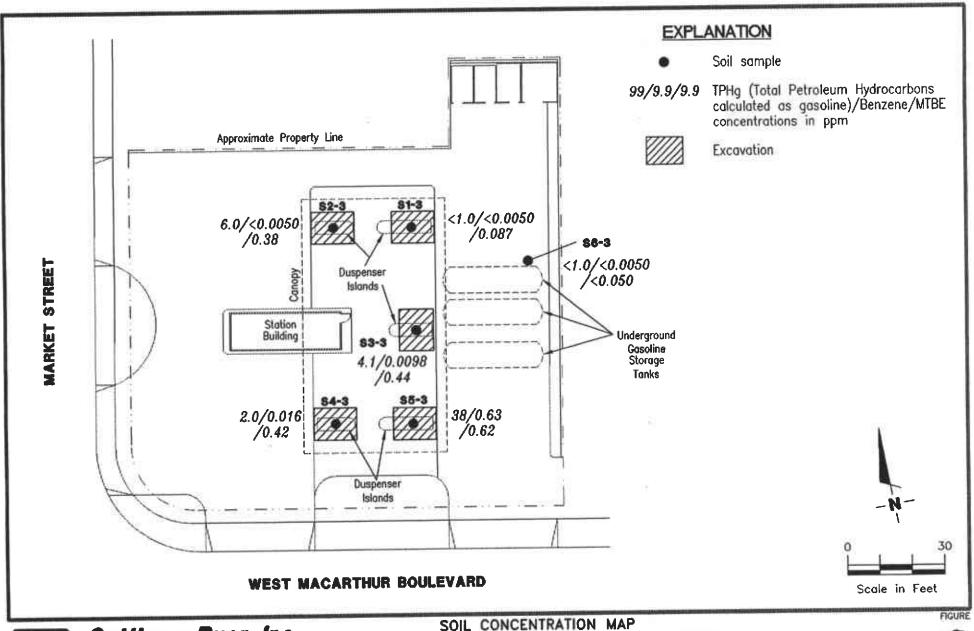
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FIGURE

JOB NUMBER 1205

REVIEWED BY

REVISED DATE





Gettler - Ryan Inc.

6747 Sierra Ct., Suite J Dublin, CA 94568

(510) 551-7555

Chevron Service Station No. 9-2029 880 West MacArthur Boulevard

Oakland, California

DATE

April, 1997

JOB NUMBER 1205.02 REVIEWED BY

REVISED DATE

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (G-R) is conducted in accordance with G-R's Health and Safety Plan and the Site Safety Plan. G-R personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The G-R geologist or engineer at the site when the work is performed acts as the Site Safety Officer. G-R utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Samples

Soil samples are collected from the wall or base of the excavation with a hand-driven sampling device fitted with a 2-inch-diameter, clean brass tube or stainless steel liner. If safety considerations preclude collection of the samples with the drive sampler, the excavating equipment is used to bring soil from the pit wall to the surface, where a sample tube is filled by driving it into the soil in the excavator's bucket. After removal from the sampling device, sample tubes are covered on both ends with teflon sheeting, capped, labeled, and place in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

If it is necessary to collect a sample of groundwater standing in the UST pit, the sample is collected by lowering a new, clean teflon bailer into the pit from a safe position along the pit wall. Once filled and retrieved, the groundwater in the bailer is carefully decanted into the appropriate containers supplied by the analytical laboratory. If required, preservative is added to the sample bottles by the laboratory prior to delivery. The samples are then labelled and place in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from soil samples. This test procedure involves placing a small amount of the soil to be screened in a sealable plastic bag. The bag is warmed in the sun to allow organic compounds in the soil sample to volatilize. The PID probe is inserted through the wall of the bag and into the headspace inside, and the meter reading is recorded in the field notes. An alternative method involves placing a plastic cap over the end of the sample tube. The PID probe is placed through a hole in the plastic cap, and vapors with the covered tube measured. Head-space screening is performed and results recorded as reconnaissance data only. G-R does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Storing and Sampling of Soil Stockpiles

Excavated material is stockpiled on and covered with plastic sheeting. Stockpile samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis.

Each discrete stockpile sample is collected by removing the upper 12 to 18 inches of soil, and them driving the stainless steel or brass sample tube into the stockpiled material with a mallet or drive sampler. The sample tubes are then covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

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				(the signature here acknowledges only the amount Prepaid.)
if the shipment moves between	on two ports by a carrier by water, the law requires that the bill of lading shall state w	hether it is "carrier's or shipper's weight." NOTE	-Where the rate is dependen	Charges Advanced:
on value, shippers are required t The agreed or declared value	to state specifically in writing the agreed or declared value of the property. of the property is hereby	,		
specifically stated by the shi	pper to be not exceeding	per		18
CHRASUM D	PRODUCTS COMPANY Shipper PerX	my MUALLWASTE	·	Agent, Per A
Permanent post-office add	fress of shipper, /A/7	TN 1-01 (1) 1-000)	Agent, 1 or
	(This Bill of Lading is to be samed to	by the shipper and agent of the carrier issu	ing same.)	servicio de la companya de la compa

	ALLWASTECarric	Agent	s No.
ECEIVED, subject to the classifications and tariffs in effect on the date of the receipt by the co	CHEVRON PRODUC	ne Original Bill of Lading, CTS COMPANY	
I consider and contribute of controls of controls unknown) marked, considered and	destined as shown below, which said company (the won	d company being understood throughout	this contract as meaning any person or corporation in possession
properly described below, in apparent good order, except as index (contents and condition of contents of pockages unknown) maked, consigned and he properly under the contract) agrees to carry to its causal place of delivery at said destination, if on its own ratioad, water line, highway mule or not all or any of said property over all or any control of said cruent to destination, and as to each party at any time interested in all or any of said proper and accepted for himself and his assigns.	(v), that every service to be performed hereunder shall be	a subject to all the conditions not promot	BELOY CHE. WHERE PARKET OF WHITE CO.
	(Mail o	r street address of consig	nee-For purposes of notification only.)
Consigned to SANIFILL (REDWOOD LANDFILL)			
Destination 8950 REDWOOD HIGHWAY, NOVATO	-		County of MARIN
050PC	Delivering Corrier	Vehicle or Car li	nitialNo
Routing	_Carrier		C. D. D. charge / Shipper [
onect On Delivery and remit to:		<u> </u>	to be paid by 🚶 Consignes
Street	City	State	Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the con- signor, the consignor shall sign the fol-
No. Description of Articles, Special Marks, and Exceptions	'Weight (Sub. to Car.)	Class Check or Rate Column	lowing statements: The carrier shall not make delivery or
1 SOIL (18 C.Y.)		agrament Araberra	this shipment without payment of freight and all other lawful charges.
CHEVRON SS#9-2029, 890 W. MACARTHUR BL	VD. OAKLAND, CA		(Signature of Consignor.)
			If charges are to be prepaid, write of stamp here, "TO BE PREPAID."
			Received S to apply to prepayment of the charges on the property described hereon.
			Agent or Cashier
	A MANUAL TO THE TANK		Per
			the amount Prepaid.)
the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state wheth value, shippers are required to state specifically in writing the agreed or declared value of the property.	er it is "carrier's or shipper's weight." NOTE	-Where the rate is dependent	Charges Advanced:
wake, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby.	A nor		s
secifically stated by the shipper to be not exceeding	per		1 10
CHEVRON PRODUCTS COMPANY Shipper Per X Linux	ALLWASTE		Agent, Per
ermanent post-office address of shipper,			

. De Sinnestano de Sinestano de la completa de Sinestano de Carlos de Carlos de Carlos de Carlos de Carlos de Car

	ALLWASTICarrie		t's No.
RECEIVED, subject to the classifications and tariffs in effect on the date of the receipt by the carrier			
at MARCH 19191919191919	CHEVRON PRODU		
is property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined the property under the contract) agrees to carry to be usual place of devicery, as said destination, if on its own rational, water line, brighway route or notes, or will also or any of said or property one at or any control of said notes to destination, and as to each purple, at my time interested in all or any of said property, that et is conditions on back hereof, which are hereby agreed to by this shipper and accepted for himself and his assigns.	very service to be performed hereunder shall i	he subject to all the conditions not prohil	bied by law, whether prevised or written, herein contained, includin
Consigned to SANIFILL (REDWOOD LANDFILL)	(Mail o	or street address of consi	gnee-For purposes of notification only.)
		•	5 County of MARIN
	ivering rrier	Vehicle or Car I	nitialNo
collect On Delivery			C. O. D. charge Shipper [to be paid by Consignee [
Street	City	State	Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the con- signor, the consignor shall sign the fol-
No. Description of Articles, Special Marks, and Exceptions	"Weight (Sub. to Cor.)	Class Check or Rate Column	lowing statements: The carrier shall not make delivery of
1 SOIL (18 C.Y.)			this shipment without payment of freight and all other lawful charges.
CHEVRON SS#9-2029, 890 W. MACARTHUR BLVD.	, OAKLAND, CA		(Signature of Consignor.)
			If charges are to be prepaid, write or stamp here, "TO BE PREPAID."
AND THE PROPERTY OF THE PROPER	The second secon	The second secon	Received \$
			Agent or Cashier
		The second of th	(the signature here acknowledges only the amount Prepaid.)
the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is name, shippers are required to state specifically in writing the agreed or declared value of the property.	carrier's or shipper's weight." NOTE	-Where the rate is dependent	Charges Advanced:
he agreed or declared value of the property is hereby pecifically stated by the shipper to be not exceeding	per 100 mg	garati est	s
CHEVRON PRODUCTS COMPANY Shipper, Per X James From Permanent post-office address of shipper,	ALLWASTE	And the second s	Agent, Per X

			LWASTECarri			t's No.	
	ject to the classifications and lariffs in effect on the date of the		property described in EVRON PRODI				
II		19rrom			-		
s property under the	ow, in apparent good order, except as noted (contents and condition of contents of packages unit contract) layees to carry to its usual place of delivery at said destination, if on its own national, will my over all or any portion of said route to destination, and as to each party at any time. Perestina	per line, highway route or routes, or within the ter	micry of its highway operations, of	therwise to derver to an	Other carner on th	e route to said destination, it is muti	ally agreed, as to each o
onditions on back here	out, which are hereby agreed to by the shipper and accepted for himself and his assigns.						
	SANIFILL (REDWOOD LANDFIL	17.)	(Mail	or street addre	as of consi	gnee-For purposes of	notification only
Consigned	to						
estinatio	8950 REDWOOD HIGHWAY, NOV	/ATOState of	CA	Zip Code	9494	5_County of_	MARIN
	050PC	Deliverir		•	Vehicle		
outing		Carrier_			or Car I	nitialNo)
liect On	Delivery					C. O. B. charge	Shipper
	and remit to:		·			to be paid by	<u>)</u> Consignee
	Street		City		_State	Subject to Section this shipment is to to consignee without re-	pe delivered to to course on the co
lo. rages	Description of Articles, Special Marks, and Exceptio	ns	*Weight (Sub. to Cor.)	Class or Rate	Check Column	signor, the consignor lowing statements:	_
	SOIL (18 C.Y.)				1 1 1	The carrier shall no this shipment without	payment of free
Julyana					1924 572	and all other lawful ch	larges.
	CHEVRON SS#9-2029, 890 W. MACA	ARTHUR BLVD. O	AKLAND, CA			(Signature of	Canalana
	(2) The process of the moderning of the control	The same of the Constitution of the Constituti	and the control of the control of Ministration	Target and	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	If charges are to b	
		And the second s	The second secon		and the second s	stamp here, "TO BE F	
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	A Company of the Comp	The second secon	n ja ja kina di Naja <u>k</u> a kanda. Naja kanda kan			Ì	
						Received \$ prepayment of the	
			en e de la composition della c			property described h	ereon.
		as in the second of the second	nasali aras la salika sa Majaratan katawa	7 10 2		: Agent or	Cashier
	and the state of t	And the state of t	and the second second	20 1 20 BB 20 10 10 10 10 10 10 10 10 10 10 10 10 10		Per	rkenidadaan ook
				- 4		the amount Prepaid.)	:Kuowieddas oui
	s between two ports by a carrier by water, the law requires that the bill of la- required to state specifically in writing the agreed or declared value of the proper		or shipper's weight." NOTE	-Where the rate i	s dependent	Charges Advanced:	
	required to state specimically in writing the agreed or decising value of the proper ed value of the property is hereby	·y.					
	the shipper to be not exceeding		per			- S	
		- 0		e e e e e e e e e e e e e e e e e e e			16
CHEVRO	N PRODUCTS COMPANY Shipper, F	er / imu / mw	ALLWASTE			Agent, Per	سيزن
anent nost-off	Sice address of shipper.	Alex For Cir	dow				3

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

		T£Carrier	Agent	's No.
RECEIVED, subject to the classifications and tariffs in effect on the date of the rec				
A	Trom	N PRODUCTS		
of the property described below, in appearant good order, eacept as noted icontents and condition of contents of packages unknown in the property under the contract) agrees to corry to its usual place of deweyr at said destination, if on its own failtand, water the, as or any of said property over all of any pomon of said cross to destination, and as to each party at any time interested in all of conditions on book hereof, when are hereby agreed to by the shopped and according to make fair this assertion.	iffied, consigned and destined as shown below, which in highway noute or notes, or within the territory of its his ir any of said property, that every service to be perfor-	med hereunder shall be subject to	all the conditions not prohib	sited by law, whether printed or written, herein contained, include
Consigned to SANIFILL (REDWOOD LANDFILL)		(Mail or street	t address of consider	gnee-Far purposes of notification only.)
Destination 8950 REDWOOD HIGHWAY, NOVAT	ro State of CA	Zip C	ode 9494	County of MARIN
RoutingO50PC	DeliveringCarrier		Vehicle or Car I	nitialNo
ollect On Delivery and remit to:				C. O. D. charge Shipper to be paid by Consignee
Street		City	State	Subject to Section 7 of conditions, in this shipment is to be delivered to the consignee without recourse on the con-
No. Description of Articles, Special Marks, and Exceptions ackages	*We: (Sub. to	ght Cia (Cor.) or R	ss Check ate Column	signor, the consignor shall sign the foll lowing statements: The carrier shall not make delivery of
1 SOIL (18 C.Y.)	a Salestiera Secreti			this shipment without payment of freight and all other lawful charges.
CHEVRON SS#9-2029, 890 W. MACAR	THUR BLVD., CAKLA	ND, CA		(Signature of Consignor.)
				If charges are to be prepaid, write of stamp here, "TO BE PREPAID."
			10 10 10 10 10 10 10 10 10 10 10 10 10 1	Received Sto apply prepayment of the charges on the property described hereon.
				Agent or Cashier
The second secon				(the signature here acknowledges only the amount Prepaid.)
the stipment moves between two ports by a carrier by water, the law requires that the bill of lading so water, shippers are required to state specifically in writing the agreed or declared value of the property.	hall state whether it is "carner's or shipper"	weight." NOTE-Where	the rate is dependent	Charges Advanced:
he agreed or declared value of the property is hereby pecifically stated by the shipper to be not exceeding	_ per			\$
CHEVRON PRODUCTS COMPANYShipper, Per_	X Cerus PAW A	LVASTE		Agent, Per X 11 C
ermanent post-office address of shipper,	1/A/ 100 500 671	()		

3(0)2

TF NUMBER 4032197-2

NON-HAZARDOUS WATER TRANSPORT FORM

NFORMATION	
Chevros	7
6001 Bollinger Canyon Rd. Bldg. L	
San Ramun, CA 94583-0804	PHONE #:
W. WONTORNO WELL FIRGE / INLIN WATER	
	•]
COLUMN THAT THE MATERIAL IS A LIQUEL EXEMPT PROPERCYA FOR 40 CYR. NOT WHIST THE CONTROL OF RAZABLOUS WASTE AS DESCRIBED IN IS STORAGE ATATE LAW, KAS SHEW PROPERLY DESCRIBED. CLASSIFED AND SACKASING AN	THOLE I GOR AND OTTIME ANTHEIR AND
	late For Chevron
HORIZED AGENT SIGNATURE & DA	The state of the s
TION	
Address	2,000
890 W. MacArthur C	Dakladd, CA
	TOTAL GALLONS: 2,000
INFORMATION	
JWM, Inc.	+
950 Ames Avenue Milpitas. CA 95035	PHONE #: (408) 942-8955
102 12:11 Page 13	39WR 3-27-9
(Typed or printed full name & sig	The state of the s
CILITY	170n 794
McKittrick WTS/ IWM, Inc.	
56533 Hwy 58W	PHONE #: (805)762-7366
McKlurick, CA 93251	
	Chevron 6001 Bollinger Canyon Rd. Bldg. L San Ramun, CA 94583-0804 ** MONITORING WELL PIROZ FIREITH WATER COLITY THAT THE MATERIAL IS A LIQUE. SCHOOL PROVINCIA FOR WITTER YOT MERE THE CHYPTELS OF RELADIOUS WATER AS DESCRIBED IN IN PICE AS GRATE LAW, MAS BEEN SPORESLY CHARLEST AND RESOLUTION ACCORDING TO APPLICATE REQUIRATION. HORIZED AGENT THOM Address 890 W. MacArthur (950 Ameri Avenue Milipites, CA 95035 /** CILITY McKistrick WTS/ IWM, Inc. 36533 Hwy 58W

ID: IWM, INC.

GR/GSI-SACTO - IUM

1991997 11:04

121 Date INC.

P.03

TF NUMBER CHOSZO97-

NON-HAZARDOUS WATER TRANSPORT FORM

GENERATOR	INFORMATION	8 2
NAME	Chevron	
ADDRESS:	6001 Bollinger Canyow Rd. Bldg. 1.	
CITY, STATE, ZIP:	San Ramon, CA 94583-0804	PHONE #
FRESCREPTION OF WAT	194) MONITORING WELL PROOF / CALCUN WATER	
	LOUATET THAT THE MATERIAL IS A LIQUID. SCHAFT PROVINCIA FER ME MOT MISSI THE CHITCHA OF MATERIADOUS WASTE AN DESCRIBED IN 22 OF STATELAN, HAR SEEN PROVINCIA DESCRIBED. CLASSIFED AND PACKAGE TEAMPROPERATION ACCORDING TO APPLICABLE EXCULATIONS	BASTICLE (LOS ANY CITIES APPLY AND
Steve Carter	-> Steph	1 Cate For Chevron
GENERATOWAUT	HORIZED AGENT SIGNATURE &	QATE:
SITE INFORM	ATION	
Site Operator	Address	Gni
#9 2029	890 W. MacArth	
	. 46	TOTAL GALLONS: 6800
TRANSPORTE	R INFORMATION	
NAME: ADDRESS:	950 Ames Avenue	PHONE #: (408) 942-8955
CITY.STATE,ZIP:	Milpitas, CA 95035	
TRUCK ID #:	102 Bill Penn (Typed or printed full name &	1300 (Date) (Date)
RECEIVING F	ACILITY	
NAME: ADDRESS: CITY,STATE.ZIP	McKittnek WTS/ (WM. Inc. 36533 Hwy 58W McKittnek, CA 93251	PHONE #: (805)762,7366
ARPROVAL #:	397-318-PS ONNIE DI	(Date)
_		<u>£</u>



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan 6747 Sierra Ct., Ste. J Dublin, CA 94568 Client Project ID:

Chevron #9-2029

Sampled: Received: Mar 3, 1997 Mar 3, 1997

Attention: Barbara Sieminski

Sample Matrix: Analysis Method: First Sample #: Water EPA 5030/8015 Mod./8020 703-0106

Reported:

Mar 4, 1997

QC Batch Number:

GC030497

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit μg/L	Sample I.D. 703-0106 BT		
Purgeable Hydrocarbons	50	N.D.		
Benzene	0.50	N.D.		
Toluene	0.50	N.D.	0	ž?
Ethyl Benzene	0.50	N.D.		
Total Xylenes	0.50	N.D.		
Chromatogram Pat	ttern:	120		

Quality Control Data

Report Limit Multiplication Factor:

2.0

Date Analyzed:

3/4/97

Instrument Identification:

HP-4

106

Surrogate Recovery, %:

(QC Limits = 70-130%)

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.

Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Jim Bava // Project Manager

7030106.GGG <1>



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 (415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan

6747 Sierra Ct., Ste. J Dublin, CA 94568 Client Project ID:

Chevron #9-2029

Matrix:

Liquid

Attention: Barbara Sieminski

QC Sample Group: 7030106

Reported:

Mar 6, 1997

QUALITY CONTROL DATA REPORT

					
Analyte:	Benzene	Taluene	Ethyl	Xylenes	
			Benzene		
QC Batch#:	GC030497	GC030497	GC030497	GC030497	•
	802004A	802004A	802004A	802004A	
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	
MS/MSD #:	7030034	7030034	7030034	7030034	•
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	
Prepared Date:	3/4/97	3/4/97	3/4/97	3/4/97	
Analyzed Date:	3/4/97	3/4/97	3/4/97	3/4/97	
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	
Conc. Spiked:	20 µg/L	20 μg/L	20 μg/L	60 µg/L	
Result:	17	19	19	59	
MS % Recovery:	-	95	95	98	
Dup. Resuit:	17	20	21	63	
MSD % Recov.:	-	100	105	105	
RPD:	_	5.1	10	6.6	
RPD Limit:	0-25	0-25	0-25	0-25	
LCS #:	4LCS030497	4LCS030497	4LCS030497	4LCS030497	
Prepared Date:	3/4/97	3/4/97	3/4/97	3/4/97	
Analyzed Date:	3/4/97	3/4/97	3/4/97	3/4/97	
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	
Conc. Spiked:	20 μg/L	20 μg/L	20 μg/L	$60\mu\mathrm{g/L}$	
LCS Result:	21	21	21	63	
LCS % Recov.:	105	105	105	105	
MS/MSD LCS Control Limits	70-130	70-130	70-130	· 70-130	

SEQUOIA ANALYTICAL, #1271

Jim Bává / // Project Manager Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 (415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan 6747 Sierra Ct., Ste. J Dublin, CA 94568 Client Project ID: Sample Descript: Chevron #9-2029 Water Sampled: Received: Mar 3, 1997 Mar 3, 1997

Dublin, CA 94568 Attention: Barbara Sieminski Analysis for: First Sample #: MTBE (Modified EPA 8020) 703-0106

Analyzed: Reported: Mar 4, 1997 Mar 7, 1997

LABORATORY ANALYSIS FOR:

MTBE (Modified EPA 8020)

Sample Number	per Description Detection Lim μ g/L		Sample Result μg/L	QC Batch Number	Instrument ID
703-0106	ВТ	5.0	970	GC030497802004A	HP-4

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Melissa A. Brewer

Client Services Representative

703-0106.GGG <1>

Fax copy of Lab Report and COC to Chevron Contact:

No No No Chain—of—Custody—Rect Chevron Facility Number 9 - 2029

Facility Address 390 West Mirc Arthur Chevron Contact (Name) Tony Ouijalus Blud. Oakland (Phone). Chevron U.S.A. Inc. Consultant Project Number 1205.05 P.O. BOX 5004 Laboratory Release Number 4512832 Consultant Name Gettler-Ryan Address 6747 Sierra Ct, Ste J, Dublin 94568

Project Contact (Nome) Barbara, Sieminski
(Phone) 551-7555 (Fax Number) 551-7888 San Ramon, CA 94583 Samples Collected by (Name) Banbara Sieminski FAX (415)842-9591 Collection Onte 03/03/97
Signature French Analyses To Be Performed DO NOT BILL Number of Containers Purgeable Arematica (8020) TB-LB ANALYS Purgeable Organice (8240) ဖပ္မ Remarks Ha BT 7030106 A-D W Turn Around Time (Circle Cholce) Organization Date/Time Received By (Signature) Organization Date/Ilma___ Relinquished By (Signature) 03/03/97 Date/Ilme Organization Received By (Signature) Organization Date/Time Relinquished By (Signature) tumaroua 5 Days 10 Days Date/Time 1410 Organization Date/Time Relinquished By (Signature) As Contracted



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan

6747 Sierra Ct. Ste. J Dublin, CA 94568 Attention: Barbara Sieminski

Client Project ID: Sample Matrix:

: Chevron #9-2029 Soil

Feb 26, 1997 Sampled: Feb 26, 1997 Received:

Analysis Method: First Sample #:

EPA 5030/8015 Mod./8020 702-1441

Reported:

Feb 27, 1997

QC Batch Number:

SP022797

SP022797

SP022797 SP022797

SP022797

SP022797

8020EXA

8020EXA

8020EXA

8020EXA TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting alyte Limit mg/kg		Sample I.D. 702-1442 S2-3	Sample I.D. 702-1443 S3-3	Sample I.D. 702-1444 S4-3	Sample I.D. 702-1445 S5-3	Sample I.D. 702-1446 \$6-3
Purgeable Hydrocarbons			6.0	4.1	2.0	38	N.D.
Benzene	0.0050	N.D.	N.D.	0.0098	0.016	0.63	N.D.
Toluene	0.0050	N.D.	N.D.	0.0087	0.0088	0.14	N.D.
Ethyl Benzene	0.0050	N.D.	N.D.	0.027	N.D.	0.90	N.D.
Total Xylenes	0.0050	0.011	0.0079	0.026	0.015	0.37	N.D.
MTBE:	0.050	0.087	0.38	0.44	0.42	0.62	N.D.
Chromatogram Pa	ittern:		Unidentified Hydrocarbons >C8	Gasoline & Discrete Peaks	Gasoline & Discrete Peaks	Gasoline	
Quality Control D	ata					<u> </u>	
Report Limit Multip	olication Factor:	1.0	1.0	1.0	1.0	10	1.0
Date Analyzed:		2/27/97	2/27/97	2/27/97	2/27/97	2/27/97	2/27/97
Instrument Identification:		HP-4	HP-5	HP-5	HP-5	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)		109	95	95	100	108	111

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard. Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Project Manager

7021441.GGG <1>



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 (415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan

6747 Sierra Ct. Ste. J Dublin, CA 94568 Client Project ID:

Chevron #9-2029

Matrix:

Solid

Attention: Barbara Sieminski

QC Sample Group: 7021441-446

Reported:

Mar 3, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl	Xylenes	
_			Benzene		
QC Batch#:	SP022797	SP022797	SP022797	SP022797	
	8020EXA	8020EXA	8020EXA	8020EXA	
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	
MS/MSD#:	7021446	7021446	7021446	7021446	
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	
Prepared Date:	2/27/97	2/27/97	2/27/97	2/27/ 97	
Analyzed Date:	2/27/97	2/27/97	2/27/97	2/27/97	
instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	
Result:	0.44	0.45	0.44	1.3	
MS % Recovery:	110	113	110	108	
Dup. Result:	0.42	0.44	0.43	1.3	
MSD % Recov.:	105	110	108	108	
RPD:	4.7	2.2	2.3	0.0	
RPD Limit:	0-25	0-25	0-25	0-25	
LCS #:	4LCS022797	4LCS022797	4LCS022797	4LCS022797	
Prepared Date:	2/27/97	2/27/97	2/27/97	2/27/97	
Analyzed Date:	2/27/97	2/27/97	2/27/97	2/27/97	
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	
Conc. Spiked:	20 μg/L	20 μg/L	20 μg/L	60 µg/L	
LCS Result:	20	21	20	62	
LCS % Recov.:	100	105	100	103	
MS/MSD					
LCS Control Limits	60-140	60-140	60-140	60-140	

SEQUOIA ANALYTICAL, #1271

Jim Bavay Project Manager Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference



680 Chesapeake Drive 404 N. Wiget Lane 819 Striker Avenue, Suite 8

Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 (415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan

6747 Sierra Ct. Ste. J Dublin, CA 94568 Client Project ID: Chevron #9-2029

Matrix:

Solid

Attention: Barbara Sieminski

QC Sample Group: 7021441-446

Reported:

Mar 3, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl	Xylenes	
•			Benzene		
QC Batch#:	SP022597	SP022597	SP022597	SP022597	
	8020EXA	8020EXA	8020EXA	8020EXA	
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	
MS/MSD#:	7021073	7021073	7021073	7021073	
Sample Conc.:	N.D.	0.0053 μg/L	0.017 μg/L	0.024 µg/L	
Prepared Date:	2/25/97	2/25/97	2/25/97	2/25/97	
Analyzed Date:	2/25/97	2/25/97	2/25/97	2/25/97	•
nstrument I.D.#:	HP-5	HP-5	HP-5	HP-5	
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	
Result:	0.52	0.50	0.54	1.5	
MS % Recovery:	130	124	131	123	
Dup. Result:	0.52	0.49	0.54	1.5	
MSD % Recov.:	130	122	131	123	
RPD:	0.0	2.0	0.0	0.0	
RPD Limit:	0-25	0-25	0-25	0-25	

2000-10-10-10-10-10-10-10-10-10-10-10-10-	***************************************			
LCS #:	5LCS022597	5LCS022597	5LCS022597	5LCS022597
Prepared Date:	2/25/97	2/25/97	2/25/97	2/25/97
Analyzed Date:	2/25/97	2/25/97	2/25/97	2/25/97
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 μg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	22	20	22	61
LCS % Recov.:	110	100	110	102

MS/MSD LCS	60-140	60-140	60-140	60-140
Control Limits		<u></u>		

SEQUOIA ANALYTICAL, #1271

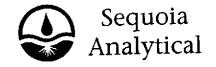
Jim Bava Project Manager Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Chain-of-Custody-Reco Fax copy of Lab Report and COC to Chevron Contact: 🗹 No Chevron Contact (Name) Phil Briggs Chevron Focility Number 9-2019
Focility Address 890 West Mac Arthur Blood, Dalland Laboratory Name Slavoia 9702339 Chevron U.S.A. Inc. Consultant Project Number 1205 - 02 P.O. BOX 5004 Laboratory Release Number 4512832 Consultant Name ___Gettler-Ryan Address 6747 Sierra Ct, Ste J, Dublin 94568

Project Contact (Npms) Barbara Sieminski
(Phone) 551-7555 (Fax Number) 551-7888 San Ramon, CA 945B3 Samples Collected by (Name) Burbara Sieminski FAX (415)842-9591 Collection Date 02/26/97
Signature Professional A = Air C = Charcoal Analyses To Be Performed DO NOT BILL TB-LB ANALYS TPH Gas + BTEX w/MTBE (8015) (8020) Purgeable Arometic (8020) Purgeable Organics (8240) Purpeable Halocarbor (8010) Oil and Graces (5520) 111 TPH Dissel (8015) 000 Remarks Yes 51-3 14:40 5 X 7021441 7021442 X 14:55 7021443 7021444 15:05 7021445 15:10 7021446 14:20 Turn Around Time (Circle Choice) Relinquished By (Signgture) Organization Date/Time Received By (Signature) Organization Date/Time 02/26/97 Delum G-12 24 Hre. Received By (Signature) Date/Time Date/Time Organization Relinquished By (Signature) Organization 5 Days 10 Days Date/Time_ Date/Time Realeved For Laboratory By (Signature) Relinquiehed By (Signature) Organization As Contracted



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan

6747 Sierra Ct. Ste. J

Client Project ID:

Chevron #9-2029

Sampled:

Feb 26, 1997 Feb 26, 1997

Dublin, CA 94568 Attention: Barbara Sieminski

Sample Matrix: Analysis Method: First Sample #:

Soil EPA 5030/8015 Mod./8020 Received: Reported:

Feb 27, 1997

QC Batch Number:

SP022797

CARROL COMPACIORS TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

702-1440

Analyte	Reporting Limit mg/kg	Sample I.D. 702-1440 SP (A-D)		
Purgeable Hydrocarbons	1.0	N.D.		
Benzene	0.0050	N.D.		
Toluene	0.0050	N.D.		
Ethyl Benzene	0.0050	N.D.		
Total Xylenes	0.0050	N.D.		
hromatogram Pa	ittern:			·

Quality Control Data

Report Limit Multiplication Factor:

1.0

Date Analyzed:

2/27/97

Instrument Identification:

HP-4

Surrogate Recovery, %:

(QC Limits = 70-130%)

114

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard. Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

7021440.GGG <1>



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

Lead

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan 6747 Sierra Ct. Ste. J Dublin, CA 94568 Attention: Barbara Sieminski Client Project ID: Chevron #9-2029 Sample Descript: Soil

Soil Lead 702-1440 Sampled: Received: Digested: Feb 26, 1997 Feb 26, 1997

Analyzed: Reported: Feb 27, 1997 Feb 27, 1997

Feb 27, 1997

LABORATORY ANALYSIS FOR:

Analysis for:

First Sample #:

Sample Number			Sample Result mg/kg	QC Batch Number	Instrument ID
702-1440	SP (A-D)	2.5	5.5	ME0227976010MDA	MV-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Jim Bava Project Manager



680 Chesapeake Drive 404 N. Wiget Lane

Walnut Creek, CA 94598 Sacramento, CA 95834 819 Striker Avenue, Suite 8

(415) 364-9600 Redwood City, CA 94063 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan

6747 Sierra Ct. Ste. J

Client Project ID:

Chevron #9-2029

Matrix:

Solid

Dublin, CA 94568 Attention: Barbara Sieminski

QC Sample Group: 7021440

Reported:

Mar 3, 1997

QUALITY CONTROL DATA REPORT

			37.1	Lasal	
Benzene	Toluene	Ethyl	Xylenes	Lead	
		Benzene			
SP022797	SP022797	SP022797			
8020EXA	8020EXA	8020EXA			
EPA 8020	EPA 8020	EPA 8020			
EPA 5030	EPA 5030	EPA 5030			
D. Newcomb	D. Newcomb	D. Newcomb			
7021446	7021446	7021446			
N.D.	N.D.	N.D.			
2/27/97	2/27/97	2/27/97	2/27/97		
2/27/97	2/27/97	2/27/97			
HP-4	HP-4	HP-4	HP-4		
0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1,2 mg/kg	50 mg/kg	
0.44	0.45	0.44	1.3	51	
110	113	110	108	91	
0.42	0.44	0.43	1.3	52	
105	110	108	108	93	
4.7	2.3	2.3	0.0	1.9	
0-25	0-25	0-25	0-25	0-20	
4LCS022797	4LCS022797	4LCS022797	4LCS022797	LCS022797	
2/27/97	2/27/97	2/27/97	2/27/97	2/27/97	
• •	, ,	2/27/97	2/27/97	2/27/97	
	HP-4	HP-4	HP-4	MV -1	
ment I.D.#: HP-4 HP-4 onc. Spiked: 20 µg/L 20 µg/L		20 μg/L	60 μg/L	50 mg/kg	
		20	62	49	•
20	21				
	SP022797 8020EXA EPA 8020 EPA 5030 D. Newcomb 7021446 N.D. 2/27/97 2/27/97 HP-4 0.40 mg/kg 0.44 110 0.42 105 4.7 0-25 4LCS022797 2/27/97 2/27/97 HP-4	SP022797 SP022797 8020EXA 8020EXA EPA 8020 EPA 8020 EPA 5030 EPA 5030 D. Newcomb D. Newcomb 7021446 7021446 N.D. N.D. 2/27/97 2/27/97 HP-4 HP-4 0.40 mg/kg 0.40 mg/kg 0.44 0.45 110 113 0.42 0.44 105 110 4.7 2.3 0-25 0-25 4LCS022797 4LCS022797 4LCS022797 4P-4 HP-4 HP-4 HP-4 HP-4 HCS022797 4LCS022797 HP-4 HP-4	SP022797 SP022797 SP022797 8020EXA 8020EXA 8020EXA EPA 8020 EPA 8020 EPA 8020 EPA 5030 EPA 5030 EPA 5030 D. Newcomb D. Newcomb D. Newcomb 7021446 7021446 7021446 N.D. N.D. N.D. N.D. 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 HP-4 HP-4 HP-4 0.40 mg/kg 0.40 mg/kg 0.40 mg/kg 0.44 0.45 0.44 110 113 110 0.42 0.44 0.45 105 110 108 4.7 2.3 2.3 0-25 0-25 4LCS022797 4LCS022797 4LCS022797 4LCS022797 4LCS022797 4LCS022797 4LCS022797 4P-4 HP-4 HP-4	Benzene SP022797 SP022797 SP022797 SP022797 8020EXA 8020EXA 8020EXA 8020EXA EPA 8020 EPA 8020 EPA 8020 EPA 8020 EPA 5030 EPA 5030 EPA 5030 EPA 5030 D. Newcomb D. Newcomb D. Newcomb D. Newcomb 7021446 7021446 7021446 7021446 N.D. N.D. N.D. N.D. N.D. 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 HP-4 HP-4 HP-4 HP-4 HP-4 0.40 mg/kg 0.40 mg/kg 0.40 mg/kg 1.2 mg/kg 0.42 0.44 0.43 1.3 105 110 108 108 4.7 2.3 2.3 0.0 0-25 0-25 0-25 0-25 4LCS022797 4LCS022797 4LCS022797 4LCS022797 4LC	Benzene SP022797 SP022797 SP022797 ME022797 8020EXA 8020EXA 8020EXA 8020EXA 6010MDA EPA 8020 EPA 8020 EPA 8020 EPA 7420 EPA 5030 EPA 5030 EPA 5030 EPA 5030 EPA 3050 D. Newcomb D. Newcomb D. Newcomb D. Newcomb T. Le 7021446 7021446 7021446 7021446 7021446 N.D. N.D. N.D. N.D. S.5 mg/kg 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 HP-4 HP-4 HP-4 HP-4 MV-1 0.40 mg/kg 0.40 mg/kg 0.40 mg/kg 1.2 mg/kg 50 mg/kg 0.44 0.45 0.44 1.3 51 110 113 110 108 91 0.42 0.44 0.43 1.3 51 110 108 91 0.42 0.44 0.43 1.3 51 0.42 0.44 0.43 1.3 52 105 110 108 108 93 4.7 2.3 2.3 2.3 0.0 1.9 0.25 0.25 0.25 0.25 0.20 4LCS022797 4LCS022797 4LCS022797 LCS022797 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 2/27/97 1P-4 HP-4 HP-4 HP-4 HP-4 MV-1

SEQUOIA ANALYTICAL, #1271

60-140

roject Manager

LCS

Control Limits

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

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Relinquiched By	Л	"li		nization - K		lote/Time 2/26/97	Rea	lved By	(Signa	lure)		0	rganizati	lon	Dote	/Time		٦	Turn Aro		e (Circle Choloe)
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5P-C()D		<u> </u>			15:34 15:36	· ·	1	ふ								×				1	C
5P-B(5		1			15:32			7								X			20	214	40 /
SP-A):		T	<u></u>	6	15:30	·	Yes	×					 			×			mo	24.4	
Sample Number	Lob Sample Number	Number of Containers	Motrk S = Soll A = Air W = Water C = Charcool	Type G = Grab C = Composite D = Discrete		Sample Preservation	loed (Yes or No.)	TPH Gas + BTEX victoriae (8016) (8020)	TPH Diesed (8015)	Oil and Gream (5520)	Purpeable Halocarbons (8010)	Purgeable Aromatics (8020)	T	1 -	Metals Cd,Cr,Pb,Zn,Ni (ICAP or Ak)	т					DO NOT BILL TB-LB ANALYS Remarks
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Chevron U.	S.A. Inc.	1	Faoli	ity Addre	<u>290</u>	-2029 D West M		hur 1	3100,	Oak	lend		Chevron	Contact	(Phone)			•		
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Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan 6747 Sierra Ct., Ste. J

Client Project ID:

Chevron #9-2029 Soil

EPA 5030/8015 Mod./8020

Sampled: Received: Mar 5, 1997 Mar 5, 1997

Dublin, CA 94568 Attention: Barbara Sieminski

Sample Matrix: Analysis Method:

Reported:

Mar 7, 1997

First Sample #: 703-0331

QC Batch Number:

SP030597

8020EXA TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 703-0331 SP1-(A-D)	
Purgeable Hydrocarbons	1.0	1.3	
Benzene	0.0050	N.D.	
Toluene	0.0050	N.D.	
Ethyl Benzene	0.0050	0.017	
Total Xylenes	0.0050	0.055	
Chromatogram Pattern:		Gasoline	

Quality Control Data

Report Limit Multiplication Factor: 1.0

3/6/97 Date Analyzed:

HP-5 Instrument Identification:

113 Surrogate Recovery, %:

(QC Limits = 70-130%)

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard. Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Project Manager

nelissa a. Brewer

7030331.GGG <1>



680 Chesapeake Drive 404 N. Wiget Lane

Redwood City, CA 94063 Walnut Creek, CA 94598 819 Striker Avenue, Suite 8 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Gettler-Ryan 6747 Sierra Ct., Ste. J

Client Project ID: Sample Descript:

Chevron #9-2029 Soil

Lead

Sampled: Received: Mar 5, 1997 Mar 5, 1997

Dublin, CA 94568 Attention: Barbara Sieminski Analysis for: First Sample #:

Lead 703-0331

Digested: Mar 6, 1997 Mar 7, 1997 Analyzed:

Mar 7, 1997 Reported:

LABORATORY ANALYSIS FOR:

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg	QC Batch Number	Instrument ID		
703-0331	SP1-(A-D)	1.0	7.5	ME0306976010MDA	MV-3		

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271 nelissa a. Brewer

Project Manager

7030331.GGG <2>



680 Chesapeake Drive 404 N. Wiget Lane

Walnut Creek, CA 94598 Sacramento, CA 95834 819 Striker Avenue, Suite 8

Redwood City, CA 94063 (415) 364-9600 (510) 988-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100 (916) 921-9600

Gettler-Ryan

6747 Sierra Ct., Ste. J Dublin, CA 94568

Client Project ID:

Chevron #9-2029

Matrix:

Solid

Attention: Barbara Sieminski

QC Sample Group: 7030331

Reported:

Mar 7, 1997

QUALITY CONTROL DATA REPORT

			Ethyl	V. 1	Land	
Analyte:	Benzene	Benzene Toluene		Xylenes	Lead	
			Benzene			
QC Batch#:	SP030697	SP030697	SP030697	SP030697	ME030697	
	8020EXA	8020EXA	8020EXA	8020EXA	6010MDA	
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 6010	
Prep. Method:	EPA 5030	EPA 5030	EPA 5030 EPA 5030 EPA 3050			<u></u>
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	J. Kelly	
MS/MSD #:	7030188	7030188	7030188	7030188	7030249	
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	72 mg/kg	•
Prepared Date:	3/5/97	3/5/97	3/5/97	3/5/97	3/6/97	
Analyzed Date:	3/5/97	3/5/97	3/5/97	3/5/97	3/7/97	•
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	MV-3	
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	50 mg/kg	
Result:	0.36	0.34	0.37	1.1	120	
MS % Recovery:	90	85	93	92	96	
Dup. Result:	0.35	0.33	0.36	1.0	120	
MSD % Recov.:	88	83	90	83	96	
RPD:	PD: 2.8		2.7	9.5	0.0	
RPD Limit:	0-25 0-25		0-25	0-25	0-20	
LCS #:	5LCS030697	5LCS030697	5LCS030697	5LCS030697	LCS030697	
Prepared Date:	3/6/97	3/6/97	3/6/97	3/6/97	3/6/97	
Analyzed Date:	3/6/97	3/6/97	3/6/97 3/6/97 3/7/97		3/7/97	
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	MV-3	
Conc. Spiked:	20 μg/L	20 μg/L	20 μg/L	60 μg/L 50 mg/l		
LCS Result:	21	20	21	61	52	
LCS % Recov.:	105	100	105	102	104	
				·		
MS/MSD	**	00.110	00.110	60 140	80-120	
LCS Control Limits	60-140	60-1 40	60-140	60-140	00-120	

SEQUOIA ANALYTICAL, #1271

Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Chevron U.S P.O. BOX San Ramon, G	S.A. Inc. 5004 CA 94583	Cone	ron Fac Fac sultant F	lity Numi	ber 9- pee 89 umber Gettl	2029 06065+ 1205.0° er-Ryan	Насл	9rH	Us	Blu		claul	Chevron Laborator	Contact ry Name	(Name) (Phone Seg	10 10016 ber 44	2 5128	Q141	jalu 9	ວ 7∩.	3077
1700 (170)0	72 0001	,	Project Contact (Home) Bulous Signature Signature Bricumus (Phone) 551-7555 (Fox Number) 551-7888 Signature Bricumus Signature Bricumus Signature						7			· · ·									
Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soll A = Air W = Weter C = Charcool			Sample Preservation	Icad (Yes or No.)	TPH Gas + BTEX wrighter (9015) (8020)		•	Purpeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)		Metals Cd,Cr,Pb,Zn,Ni (ICAP or M)	*					DO NOT BILL TB-LB ANALYS
SPI-AL	,	1	5	6	16:15	 	Yes	X								X	7	030	331	A-	5
5P1~B/3		1			16;18			X		ļ—			_		ļ	×	ļ	<u> </u>	-	ļ	
SPI-CAS	· · · · · · · · · · · · · · · · · · ·	۱ 		+	16:22	f		×		ļ			 		ļ	X X		ļ	 		
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