

W. A. CRAIG, INC.

Environmental Contracting and Consulting

# 922/180234

6940 Tremont Road Dixon, California 95620

Contractor and Hazardous Substances License #455752 e-mail: tech@wacraig.com (800) 522-7244

Dixon (707) 693-2929

Fax: (707) 693-2922

Napa (707) 252-3353

January 18, 2002

Project No. 3628 StID #922/RO0000234

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

Subject:

Oakland Truck Stop 1107 Fifth Street Oakland, California

Dear Mr. Chan:

Enclosed is the most recent Quarterly Monitoring Report for the subject site. This sampling event is the fifteenth sampling event since site investigation activities were initiated in November of 1996. At present, we are negotiating site access agreements with adjacent property owners prior to installing two offsite-monitoring wells. We still need your concurrence on the proposed preliminary active remediation goals (PARGs). Please contact me at your earliest convenience to provide your comment on the proposed PARGs. You can reach me at (707) 693-2929.

Sincerely,

W.A. Craig, Inc.,

Tim Cook, PE Principal Engineer

cc: Reed Rinehart, Rinehart Distributing, Inc.



W. A. CRAIG, INC.

**Environmental Contracting and Consulting** 

6940 Tremont Road
Dixon, California 95620
Contractor and Hazardous Substances License #455752
tech@wacraig.com
(800) 522-7244

Fax: (707) 693-2922

Dixon (707) 693-2929

Napa (707) 252-3353

### QUARTERLY MONITORING REPORT NOVEMBER 2001

JAN 2 4 ZOO2

SITE LOCATION:
Oakland Truck Stop
1107 Fifth Street
Oakland, California

PREPARED FOR:
Mr. Reed Rinehart
Rinehart Distribution, Inc.
P.O. Box 725
Ukiah, California 94582

SUBMITTED TO:
Mr. Barney Chan

Alameda County Department of Environmental Health Services
Division of Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577
(510) 567-6774
fax (510) 337-9335

W. A. CRAIG, INC. PROJECT # 3628

January 18, 2001

### PROFESSIONAL CERTIFICATION

#### Quarterly Monitoring Report November 2001

Oakland Truck Stop 1107 5th Street Oakland, California

> Job No. 3628 January 18, 2002

This document has been prepared by the staff of W. A. Craig, Inc., under the professional supervision of the persons whose seals and signatures appear hereon. No warranty, either expressed or implied, is made as to the professional advice presented herein. The site descriptions contained in this document are based upon our current understanding of site conditions. These conditions are subject to change as W.A. Craig, Inc. evaluates additional information.

Opinions or conclusions presented in this document are professional opinions based solely upon a review of existing environmental data. We recognize that the limited scope of services performed in execution of this investigation may not be appropriate to satisfy the needs, or requirements of other state agencies, or of other users. Any use or reuse of this document or its findings, conclusions or recommendations presented herein is at the sole risk of the user.

No. CO54036
Exp. 12-31-6-7

CIVIL

Tim D. Cook, P.E. Principal Engineer

#### INTRODUCTION

#### Site Location and Description

The Oakland Truck Stop located at 1107 5<sup>th</sup> Street in Oakland, California ("the Site") is owned by Mr. Tony Muir. Rino Pacific, Inc. and Rinehart Distribution, Inc. lease the property from the owner. The Site is in a commercial and industrial district at the intersection of Adeline and 5<sup>th</sup> Streets (Figure 1). A service station building, two underground storage tanks, four pump dispenser islands, a truck scale and scale house currently occupy the Site.

The Site topography is flat and is bounded on the north by Fifth Street, on the west by Adeline Street, on the south by a restaurant and parking lot and on the east by Chestnut Street. The nearest surface water is the Oakland Estuary located approximately 2,400 feet south of the Site.

#### Background

The Site was developed as a truck stop approximately 40 years ago and has been in operation throughout this period. Three 10,000-gallon underground storage tanks (USTs) and one 8,000-gallon UST were formerly maintained at the Site. All four USTs were constructed of single-wall steel. Of the 10,000-gallon USTs, two contained diesel fuel and one contained mid-grade unleaded gasoline. The 8,000-gallon UST contained regular unleaded gasoline. Prior to the recent remodel of the Site, fuel product lines were constructed of single-wall fiberglass.

In mid-1995 an unauthorized release of fuel occurred as a result of a leak in a product line. Product lines associated with this release were replaced as soon as the leak was discovered. Interim cleanup of the spill was performed by installing and operating two product recovery sumps in the vicinity of the release. The sumps recovered approximately 6.3 gallons of gasoline using a skimmer device and reduced the floating product thickness to a sheen on the water in the recovery wells. The sumps were removed during recent leaseholder improvements at the Site. The water table fluctuates seasonally between 10 inches and 4 feet below grade.

In March 1999, the four single-walled USTs were replaced with two 15,000-gallon double-walled fiberglass USTs. An interim remedial action was performed during UST replacement activities to remove the grossly contaminated soil and groundwater.

The following is a summary of interim remedial activities performed at the Site by Trinity Excavating and Engineering, Inc. of Santa Rosa, California. The work was performed between February 8, 1999 and May 5, 1999.

2/8 through 2/10, 1999	Excavated to tops of tanks and rinsed three gasoline and one diesel underground fuel tanks
2/11/1999	Removed tanks and disposed offsite (observed by Fire Inspector)
3/3 &3/4, 1999	Removed approximately 2,100 tons of contaminated soil from excavation bottom and sides before sampling as directed by Fire

Oakiand, CA	Inspector. Collected excavation and stockpile samples. Removed water from pit as needed. Stored approximately 33,000 gallons of contaminated water in temporary storage tanks.
2/24 through 5/19, 1999	Loaded, manifested and disposed of 2,000.5 tons of contaminated soil at the Forward non-hazardous disposal facility near Stockton, California.
2/1 through 5/6, 1999	Provided and placed approximately 1,700 tons of backfill.
5/3 through 5/5, 1999	Disposed of contaminated water at Seaport Environmental.

The lateral extent of hydrocarbon contamination has not yet determined. Quarterly groundwater monitoring is being conducted. The direction of groundwater flow has varied from southwest to north. Interpretation of the groundwater gradient is suspect and could be affected by tidal not likely fluctuation, improper monitoring well construction or by very localized recharge (i.e., leaking water or sewer lines).

The shallow aquifer beneath the Site has no beneficial use as a potential drinking water resource due to its high total dissolved solids concentration (>3,000 mg/l). Proposed Groundwater Amendments to the Water Quality Control Plan (Basin Plan), dated April 2000, specifically states that shallow groundwater to a depth of about 100 feet in portions of the East Bay Plain is often brackish due to naturally-occurring saltwater intrusion. However, well yields may be sufficient for industrial or irrigation uses.

This same document states that cleanup in areas that have no beneficial use as a drinking water resource, should be protective of ecological receptors, human health and probable non-potable uses (e.g., irrigation or industrial process supply). Pursuant to State Board Resolution No. 92-49, pollution sites will continue to be required to demonstrate that 1) reasonably adequate source removal has occurred, 2) the plume has been reasonably defined both laterally and vertically and 3) a long-term monitoring program is established to verify that the plume is stable and will not impact ecological receptors or human health (e.g., from volatilization into trenches and buildings). In the East Bay Plain there are deep aquifers that will continue to be designated as potential drinking water resources. In such a setting, the deep aquifers (defined as aquifers below the Yerba Buena Mud) are subject to protection as potential drinking water resources.

In a letter to Rinehart Distributing Inc. dated July 27, 2001, Alameda County Health Care Services (ACHCS) requested that additional investigation be performed to delineate the extent of petroleum hydrocarbons both on-site and off-site. Specifically, they requested monitoring wells to the south or adjacent to the main building. A Site Investigation Work Plan dated October 22, 2001 has been submitted and approved by the ACHCS. At present, we are negotiating site access agreements with offsite property owners prior to installing additional monitoring wells.

#### SCOPE OF WORK

The scope of work conducted by W.A. Craig, Inc (WAC) during this period included the following:

- Measure dissolved oxygen concentrations and static water levels in eight on-site monitoring wells;
- Purge and sample groundwater from these wells;
- Analyze groundwater samples for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), benzene, toluene, ethylbenzene, xylenes (BTEX), fuel oxygenates (MtBE, ETBE, TAME, DIPE, tert-Butanol, methanol, ethanol) and lead scavengers (EDB and 1,2 DCA); and
- Prepare this Quarterly Monitoring Report.

#### **GROUNDWATER SAMPLING AND ANALYSIS**

#### **Groundwater Elevations**

WAC measured water levels in the eight monitoring wells on November 4, 2001 using an electronic water-level indicator. The wells are located as shown on Figure 2. Well construction details are summarized in Table 1. The wells were exposed to atmospheric conditions for approximately 30 minutes to stabilize static water levels. The depths to static water level measurements were subtracted from the top of casings to obtain static water elevations. Due to the unusual distribution of groundwater elevations, the groundwater gradient and flow direction could not be determined from the data collected. Groundwater elevations for this and previous monitoring events are presented on Table 2. If the groundwater elevations in wells MW-3 and MW-7 are ignored, it appears the groundwater gradient is to the north. This is counterintuitive since the Inner Oakland Harbor is located to the south of the Site.

### **Groundwater Sampling**

On November 4, 2001, the wells were purged prior to collecting groundwater samples to ensure that formation water was sampled. The dissolved oxygen concentration was measured prior to sampling. Dissolved oxygen concentrations and temperature are summarized in **Table 3**.

Three well volumes were purged from each well prior to sampling to ensure that water samples were representative of the ambient groundwater quality. Groundwater sampling logs are included in **Attachment A**.

Groundwater samples were collected using disposable polyethylene bailers. The samples were collected in laboratory cleaned sample bottles appropriate for each analysis. The samples were submitted under chain-of-custody control to McCampbell Analytical, Inc. (MAI), of Pacheco, California. The purged groundwater is currently stored on-site in labeled, DOT approved, 55-gallon, steel drums.

#### **Groundwater Analytical Results**

The groundwater samples were analyzed for TPH-g/TPH-d using EPA Method 8015 (modified), for purgeable aromatic hydrocarbons (BTEX) using EPA Method 8020 and for fuel oxygenates and lead scavengers using EPA Method 8260. MAI is certified by the State of California to perform these analyses. The results of the analyses are summarized in **Table 4.** A copy of the laboratory analytical report and chain-of-custody document are in **Attachment B**.

#### **Conclusions**

MtBE concentrations exceed the proposed preliminary active remediation goal (PARG) for this constituent in wells MW-7 and MW-8. MtBE and all other petroleum constituents continue to have the highest in concentrations in well MW-7. Hydrocarbons in the vicinity of MW-7 may have originated from the former UST excavation, a leak from the former product piping or a leak from the pump dispenser located east of well MW-7. The distribution of MtBE in groundwater samples is presented on **Figure 3**.

Concentrations of most hydrocarbon constituents decreased when compared with the last sampling event in August 2001. Notable exceptions are the increase in TPH-d in well MW-7 from 520 ug/L to 6,500 and the increase in MtBE in well MW-6 from 8,800 ug/L to 17,000 ug/L. The concentration of MtBE in well MW-7 has decreased considerably since it was first sampled on November 6, 2000. The concentration has decreased from 920,000 ug/L to 180,000 ug/L in this most recent sampling. MtBE concentrations versus time for all monitoring wells are presented on Figure 4. TPH-g concentrations versus time are presented on Figure 5. TPH-d concentrations versus time are presented on Figure 6.

MtBE is the principal constituent of concern (COC). TPH-g and BTEX constituents are present in many wells but at lower concentrations. Remediation of MtBE will also remove the other COCs. The bydroembon plume appears to be centered about wells MW-4, MW-5, MW-6, MW-7 and MW-8. This area includes the former UST pit, and dispenser islands to the west and east of the former UST pit. This area will be the focus of the remedial action. The next quarterly sampling event will be in February 2002.

#### Recommendations

We recommend abandoning well MW-3, due to incompatible well screening with the other seven monitoring wells and replacing it with well MW-3A. Well MW-3A will have a screened interval similar to the most recently installed wells. We also recommend installing two additional monitoring wells on two adjacent properties south of the Site to determine the groundwater flow direction. Details of this proposed investigation are presented in the Site Investigation Work Plan (Revision 1), dated October 22, 2001. At present, we are negotiating site access with the owners of these adjacent properties.

After the direction of groundwater flow has been determined, we recommend the installation of offsite temporary borings to determine the lateral extent of the contaminant plume.

already

We further recommend active semediation in the vicinity of well MW-7 to remove a portion of the hydrocarbon mass present in the shallow groundwater. To this end, we propose Preliminary Active Remediation Goals (PARGs). The purpose of the PARGs is to establish remediation cleanup goals that are achievable and that will remove a large mass of the contaminant plume.

We recommend that this Site be included in the pilot study Pay for Performance Program (PFP) administered by the State Water Resources Control Board, UST Cleanup Fund. The purpose of this pilot PFP is to demonstrate expedited site cleanups using PARGs and payment of the consultant based on performance (i.e., attainment of clean up milestones). We propose establish PARGs and a timeline that are mutually agreeable to the owner, the environmental consultant, ACHCS and the California UST Cleanup Fund. We recommend establishing PARGs and a timeline at a meeting with the stakeholders.

Table 1
Well Construction Data
Oakland Truck Stop

Well Number	Date Installed	Casing Diameter (inches)	Borehole Depth (feet)	Screened Interval (feet)	Filter Pack Interval (feet)	Bentonite Interval (feet)	Grouting Interval (feet)
MW-1	10/10/96	2	20.5	10-20	9-20	7-9	1-7
MW-2	10/10/96	2	14.0	8-13	7-8	5-7	1-5
MW-3	10/10/96	2	17.0	12-17	11-17	9-11	1-9
MW-4	08/16/00	2	20.5	5-20	4-20	3-4	1-3
MW-5	08/16/00	2	20.5	5-20	4-20	7-13	1-3
MW-6	08/16/00	2	20.5	5-20	4-20	3-4	1-3
MW-7	08/17/00	2	20.5	5-20	4-20	3-4	1-3
MW-8	08/16/00	2	20.5	5-20	4-20	3-4	1-3
MW-9	08/23/00	2	20.5	5-20	4-20	3-4	1-3

Notes: MW-2 was abandoned during the UST excavation and removal in March 1999.

Table 2
Groundwater Elevations
Oakland Truck Stop

		Top of Casing	Depth Below	Elevation Above
777 11 3 5	D-1	(ft)	TOC (ft)	MSL (ft)
Well Number	Date	7.60	5.08	2.52
MW-1	10/21/96	7.00	3.02	4.58
	11/04/96		2.28	5.32
	03/04/97		4.80	2.80
	06/12/97 07/14/97		2.66	4.94
	09/09/97		2.45	5.15
	09/09/97		2.60	5.00
	02/13/98		2.76	4.84
	07/07/98		2.15	5.45
	10/01/98		3,63	3.97
	12/30/98		4.40	3,20
	03/21/00		2.62	4.98
	08/30/00		3.21	4.39
	11/06/00		3.10	4,50
	02/22/01		3.50	4.10
	05/07/01		2.94	4.66
	08/22/01		3.70	3.90
	11/04/01		3.89	3.71
MW-2	10/21/96	4,48	4.66	-0.18
2,2,7, 2	11/04/96		4.60	-0.12
	03/04/97		3.68	0.80
	06/12/97		3.70	0.78
	07/14/97		4.16	0.32
	09/09/97	1	3.88	0.60
	09/19/97	1	4.50	-0.02
	02/13/98		3.08	1.40
	07/07/98	]	3.74	0.74
ļ	10/01/98		4.63	-0.15
	12/30/98	}	3.90	0.58
	03/21/00			Destroyed
MW-3	10/21/96	7.79	7.66	0.13
	11/04/96		5.70	2.09
	03/04/97	1	11.38	-3.59
	06/12/97	<u> </u>	5.18	2.61
	07/14/97		7.96	-0.17
	09/09/97	]	10,16	-2.37
	09/19/97	4	12.80	-5.01
	02/13/98	4	11.42	-3.63 -3.97
Ĺ	07/07/98	4	11.76	-3,55
ļ	10/01/98		11.34	3.23
	12/30/98	-	4.56	-3.13
	03/21/00	-	10.92 5.12	2.67
	08/30/00	-	4.10	3.69
<b>]</b>	11/06/00	4	6,60	1.19
	02/22/01 05/07/01	-	6,30	1.49
	08/22/01	1	5.21	2.58
	11/04/01	┪	5.47	2.32
MW-4	08/30/00	7.74	3.74	4.00
147 444	11/06/00	· · · · · ·	3.85	3.89
	02/22/01	┪	4.66	3.08
	05/07/01	1	2.66	5.08
1	08/22/01	1	4.13	3.61
H	11/04/01	1	4.53	3.21

Table 2
Groundwater Elevations
Oakland Truck Stop

		Top of Casing	Depth Below	Elevation Above
Well Number	Date	(ft)	TOC (ft)	MSL (ft)
MW-5	08/30/00	7.53	3,01	4.52
,-	11/06/00		3.35	4.18
	02/22/01		3.00	4.53
	05/07/01		2.73	4.80
	08/22/01	:	3.88	3.65
	11/04/01		3.95	3.58
MW-6	08/30/00	7.89	3,40	4.49
	11/06/00		3.72	4.17
	02/22/01		3.34	4.55
	05/07/01		3.08	4.81
	08/22/01	•	3.77	4.12
	11/04/01		4.33	3.56
MW-7	08/30/00	8.96	6.72	2.24
	11/06/00		6.85	2.11
	02/22/01	1	6.00	2.96
	05/07/01	1	6.35	2.61
ı	08/22/01		6.86	2.10
	11/04/01	1	6.66	2.30
MW-8	08/30/00	7.32	3.06	4.26
	11/06/00		2,98	4.34
	02/22/01		2.46	4.86
	05/07/01	1	2.76	4.56
	08/22/01	1	3.56	3.76
	11/04/01		3.76	3.56
MW-9	08/30/00	7.30	2.81	4.49
1	11/06/00	1	2.68	4,62
	02/22/01	1	2.20	5.10
	05/07/01	1	2.75	4,55
	08/22/01	1	3.80	3,50
	11/04/01		3.61	3.69

Notes: Monitoring wells elevations are based on City of Oakland Datum # 16NW10 which lies 15 ft west of the centerline intersection of 3rd Street and Linden Street: Elevation = 8.108 (City of Oakland Datum = 5.108 + 3.00 = 8.108). Elevations have been converted to U.S. Geodetic Datum by adding 3.00 feet.

Table 3
Dissolved Oxygen Concentrations
Oakland Truck Stop

Monitoring Well	Date	Dissolved Oxygen Concentration (mg/l)	Temperature (Celsius)	Dissolved Oxygen Percent of Saturation
MW-1	08/30/00	0.27	24.2	3.2%
	11/06/00	0.24	21.8	2.7%
	02/22/01	0.76	15.7	7,6%
	05/07/01	0.79	20.3	8.6%
	08/27/01	0.20	23.9	2.4%
	11/04/01	0,60	22.5	6.9%
MW-3	08/30/00	0.35	26.4	4.4%
	11/06/00	0.23	22.7	2.6%
	02/22/01	0.97	15.3	9.6%
	05/07/01	NS	NS	NS
	08/27/01	0.40	23.9	4.7%
	11/04/01	NS	NS	NS
MW-4	08/30/00	0.16	27.4	2.0%
	11/06/00	0.30	23.9	3.5%
	02/22/01	0.85	16.3	8.6%
	05/07/01	0.95	20.5	10.4%
	08/27/01	0.20	26.1	2.5%
	11/04/01	0.30	23.7	3.5%
MW-5	08/30/00	0.28	27.0	3.6%
	11/06/00	0.24	22.6	2.8%
	02/22/01	0.77	14.7	7.5%
	05/07/01	0.99	19.8	10.7%
	08/27/01	0.20	26.4	2.5%
	11/04/01	0.60	23.1	7.0%
MW-6	08/30/00	0.42	27.7	5,4%
	11/06/00	0.23	23.0	2.7%
	02/22/01	1.01	15.3	10.0%
	05/07/01	0.89	21.0	9.9%
	08/27/01	0.15	26.5	1.9%
	11/04/01	0.50	23.0	5.8%
MW-7	08/30/00	0.17	26.8	2.1%
	11/06/00	0.25	23.5	2.9%
	02/22/01	0.66	17.1	6.8%
	05/07/01	0.56	21.0	6.2%
	08/27/01	0.40	25,4	4.9%
	11/04/01	0.42	24.0	5.0%
MW-8	08/30/00	0.18	26.4	2.3%
	11/06/00	0.25	23.7	2.9%
	02/22/01	0.69	17.1	7.1%
	05/07/01	0.96	21.1	10.7%
	08/27/01	0.15	26.1	1.9%
	11/04/01	0.3	24.2	3.6%
MW-9	08/30/00	0.30	22.8	3.5%
I	11/06/00	0.31	21.7	3.5%
	02/22/01	0.71	16.2	7.2%
1	05/07/01	0.97	18.8	10.3%
	08/27/01	0.2	23.0	2.3%
	11/04/01	0.3	22.1	3.4%

Notes: NS = not sampled

### Table 4 **Groundwater Analytical Results** Oakland Truck Stop

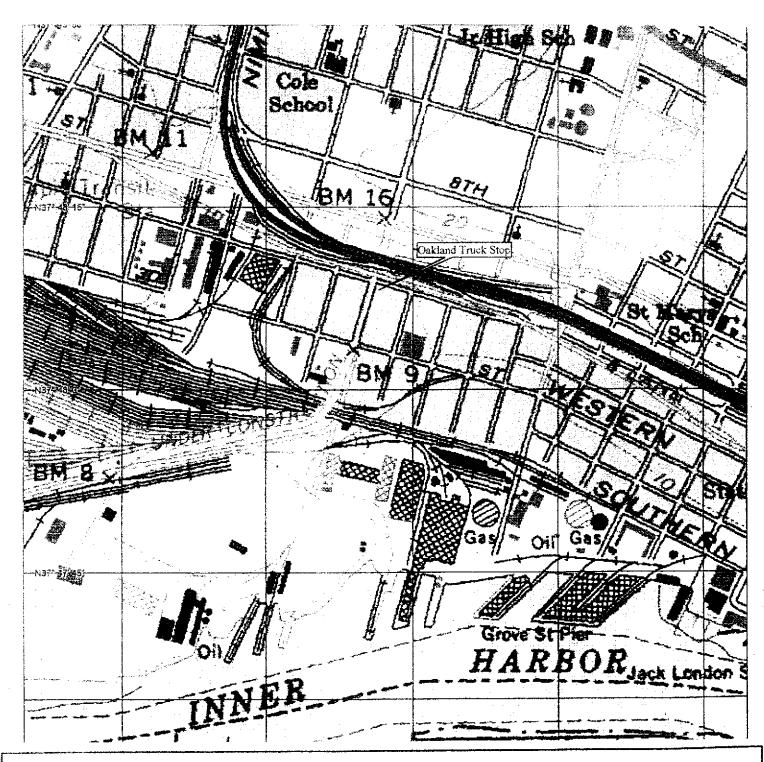
								ethyl-	
Well Number	Date	TPH-g	TPH-d	MtBE	MtBE 8260	benzene	toluene	benzene	xylenes
					\.	NIPA	ND	NID	NID
MW-5	08/30/00	1,000	450	52,000	NS 12 ccc	ND ND	ND ND	ND NTD<1.0	ND<1.0
	11/06/00	ND<1,000	520	44,000	42,000	ND<1.0	ND<1.0	ND<1.0 ND<1.0	ND<1.0
	02/22/01	ND<1,000	270	30,000	39,000	ND<1.0	ND<1.0	ND<1.0 ND<2.0	ND<2.0
	05/07/01	ND<1,800	470	48,000	59,000	ND<5.0	ND<2.0 ND<3.0	ND<3.0	ND<3.0
	08/22/01	ND<2,200	780	63,000	70,000	ND<3.0 ND<2.0	ND<2.0	ND<2.0	ND<2.0
	11/04/01	ND<1,700	670	44,000	37,000		ND ND	16	27
MW-6	08/30/00	1,300	1,300	23,000	NS	55 7	8.1	ND<3	5.2
	11/06/00	ND<630	1,100	26,000	27,000	ND	ND	ND ND	ND
	02/22/01	ND<200	420	6,500	8,000	ND<2.0	ND<2.0	ND<1.0	ND<1.0
	05/07/01	ND<1000	900	37,000	40,000	ND<2.0 ND<2.0	ND<1.0	ND ND	ND ND
	08/22/01	ND<350	520	8,600	8,800 17,000	ND<2.0 ND<2.0	ND<2.0	ND ND	ND
	11/04/01	ND<500	420	12,000	17,000 NS	28,000	15,000	1,200	5,900
MW-7	08/30/00	160,000	2,600	800,000	920,000	23,000	12,000	1,200	5,000
	11/06/00	80,000	1,700	540,000	460,000	19,000	12,000	1,100	3,200
	02/22/01	80,000	2,000	440,000	520,000	25,000	16,000	1,700	6,600
	05/07/01	100,000	7,600	460,000	250,000	18,000	12,000	2,000	9,400
	08/22/01	110,000	520	240,000 150,000	180,000	17,000	2,700	2,100	9,700
3 5777 6773	11/04/01	85,000	6,500	400,000	500,000	20,000	13,000	1,200	3,400
MW-7D	02/22/01	84,000	2,400	<del></del>	500,000	25,000	17,000	1,700	6,700
duplicate	05/07/01	100,000	8,200	530,000	NS	ND	ND	ND	ND
MW-8	08/30/00	ND ND	690	28,000	76,000	ND<8	ND<5	ND<3	ND<7
	11/06/00	ND<3,300	810	120,000	130,000	ND<3	ND<3	ND<3	ND<3
	02/22/01	ND<2,500	1,100	99,000 110,000	120,000	32	ND<10	ND<5.0	ND<5.0
	05/07/01	ND<5,000	1,300	76,000	86,000	ND<5.0	ND<5.0	ND<5.0	16
	08/22/01 11/04/01	ND<4,000 590	1,200 1,100	60,000	49,000	6.9	ND ND	ND	ND
MW-9		ND ND	770	97	NS	ND	ND	ND	ND
MW-9	08/30/00	ND	390	190	220	ND	ND	ND	ND
	02/22/01	ND ND	240	120	160	ND	ND	ND	ND
	05/07/01	ND	190	120	150	ND	ND	ND	ND
	08/22/01	ND	120	120	120	ND	ND	ND	ND
	11/04/01	ND	160	ND	120	ND	ND	ND	ND
Proposed	11.0-1.01	1,412	100	112					
PARG		20,000	380	48,000	48,000	3,600	2,400	700	1,880
Notes:		20,000	360	10,000	10,000	3,000			
nits are microg	<u>-</u>	er (ug/L)			,		80%	s Reduct	fait fru
NS = Not samp	led						1.51.	4 C	
ARG = Prelim							[] , A-11-0	A 1 1/1 4 F	

MW-4 through MW-9 were constructed in August 2000

The following petroleum hydrocarbon constituents have not been detected to date DIPE, ETBE, TAME, TBA, methanol, ethanol, EDB and 1,2-DCA

Table 4
Groundwater Analytical Results
Oakland Truck Stop

	Date	Ī						ethyl-	
Well Number	Sampled	TPH-g	TPH-d	MtBE	MtBE 8260	benzene	toluene	benzene	xylenes
MW-1	11/04/96	ND	220	ND	NA	ND	ND	ND	ND
	03/05/97	ND	230	ND	NA	ND	ND	ND	ND
	06/12/97	ND	290	ND	NA	ND	ND	ND	ND
	09/09/97	ND	180	ND	NA	ND	ND	ND	ND
	02/13/98	ND	590	9,4	NA	ND	ND	ND	ND
ľ	07/07/98	ND	1,400	ND	2.7	ND	ND	ND	ND
i .	10/01/98	ND	1,100	ND	1.8	ND	ND	ND	ND
ı	12/30/98	ND	1,700	ND	2.3	ND	ND	ND	ND
ı	03/21/00	220	3,100	3,800	4,800	11	ND	ND	ND
	08/30/00	140	1,600	2,900	NS	5,3	ND	ND	ND
	11/06/00	51	1,500	1,700	2,100	1.0	ND	ND	ND
į	02/22/01	140	3,000	1,000	1,100	ND	ND	ND	ND
	05/07/01	ND	3,800	780	1,100	ND	ND	ND	ND
[	08/22/01	ND<110	1,800	1,900	1,600	ND	ND	ND	ND
	11/04/01	ND	1,300	1,600	1,500	ND	ND	ND	ND
MW-2	11/04/96	910	2,700	470,000	NA	120	23	3.5	51
	03/05/97	4,400	2,300	760,000	NA	1,500	51	24	100
	06/12/97	3,600	2,400	840,000	NA	1,200	14	12	40
	09/09/97	3,700	970	470,000	NA	570	31	19	60
	02/13/98	6,500	2,200	750,000	NA	2,400	31	ND	ND ND
	07/07/98	5,200	2,700	950,000	1,000,000	2,800	ND	ND .	ND
	10/01/98	1,200	1,200	420,000	360,000	330	12	8.8	ND
Well Destroyed		1,000	1,900	370,000	360,000	96	ND	ND	
MW-3	11/04/96	ND	310	1,000	NA	ND	ND	ND	ND
	03/05/97	ND	210	13	NA	ND	ND	ND	ND ND
	06/12/97	ND	94	17	NA_	· ND	ND	ND	ND
	09/09/97	ND	2,300	12	NA	ND ND	ND	ND ND	ND
	02/13/98	ND	570	14	NA ( 6	ND	ND	ND	ND
	07/07/98	ND	1,100	7.8	6,6	ND ND	ND ND	ND	ND
	10/01/98	ND ND	390 64	9.2 6.9	4.8	ND	ND	ND	ND
	12/30/98	ND ND		6.7	4.8	ND	ND	ND	ND
	03/21/00	ND ND	<b>2,800</b> 260	12	NS	1.3	ND	ND	ND
	08/30/00		940	25	12	ND	ND	ND	ND
	11/06/00 02/22/01	ND ND	340	18	26	1.2	1.5	ND	0.74
A	05/07/01	140	460	25	33	0.76	4.7	2.2	14.0
	08/22/01	ND	130	41	44	ND	ND	ND	ND
	11/04/01	ND ND	190	36	43	ND	ND	ND	ND
MW-4	08/30/00	1,300	390	210,000	NS	64	63	9.7	110
IVI VV	11/06/00	ND<3,300	170	130,000	120,000	80	ND<4.0	ND<5.0	ND<3.0
	02/22/01	ND<3,300	120	120,000	150,000	30	ND<3.0	ND<3.0	ND<3.0
		ND<4,200	240	150,000	200,000	ND<20	ND<10	ND<5.0	ND<5.0
	08/22/01	ND<5,400	300	160,000	190,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	V ( ) V 1	, , , , ,	· · · · · · · · · · · · · · · · · · ·		.1	ND<5.0	ND<5.0	ND<5.0	ND<5.0



Project No: 3628

September 2000

Site Location Map Oakland Truck Stop 1107 5th Street Oakland, California

delition. والمتراكزي والمتراكرين

W. A. Craig, Inc.

Environmental Contracting and Consulting

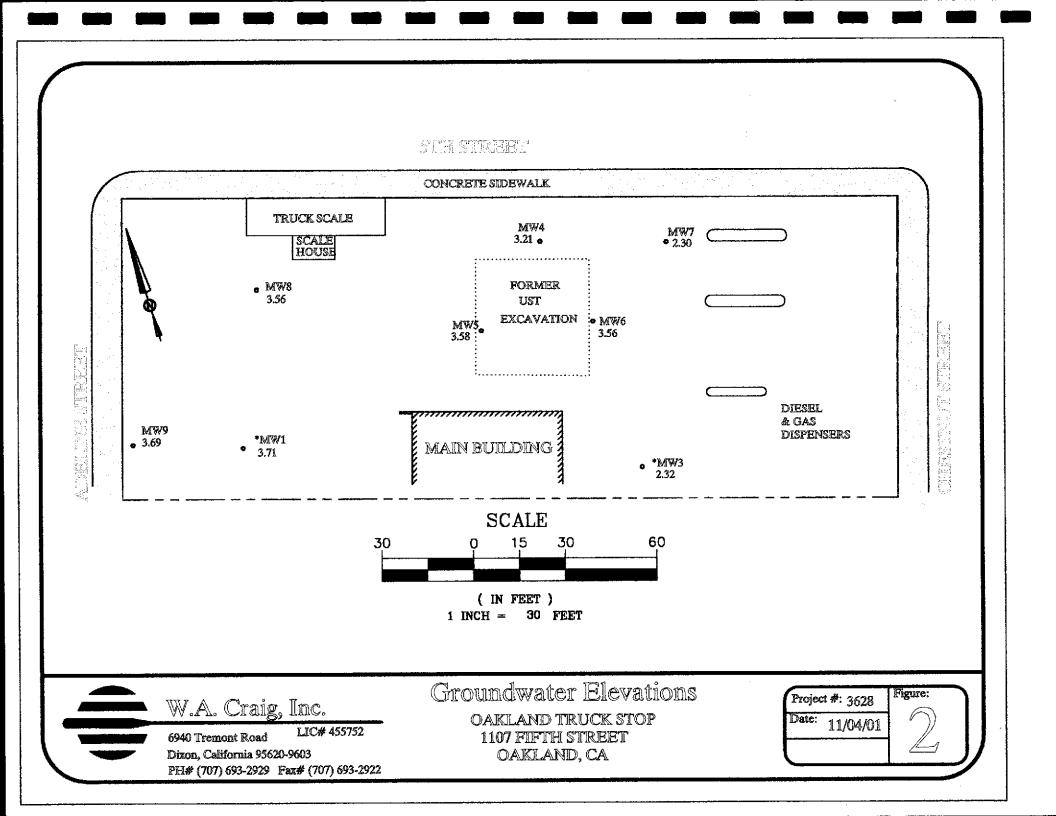
6940 Tremont Road Dixon, California 95620 Cal License #455752

Figure 1



(707) 693-2929 FAX (707) 693-2922





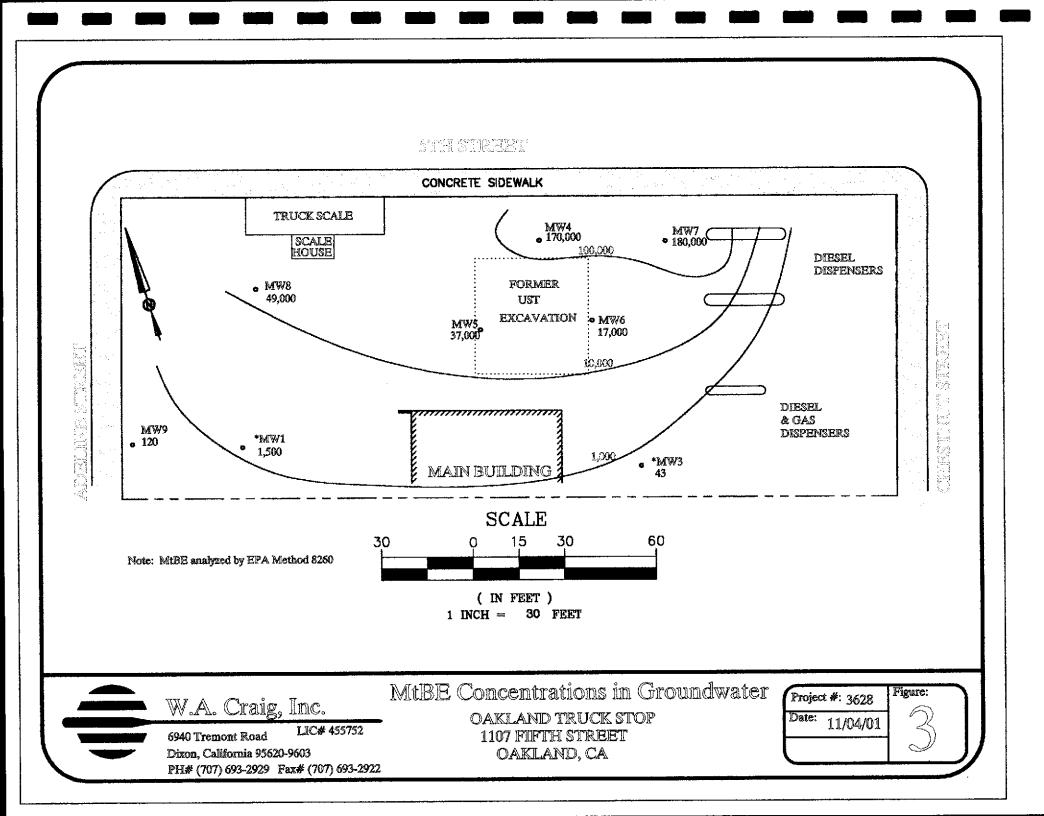


Figure 4. MtBE Concentrations vs. Time

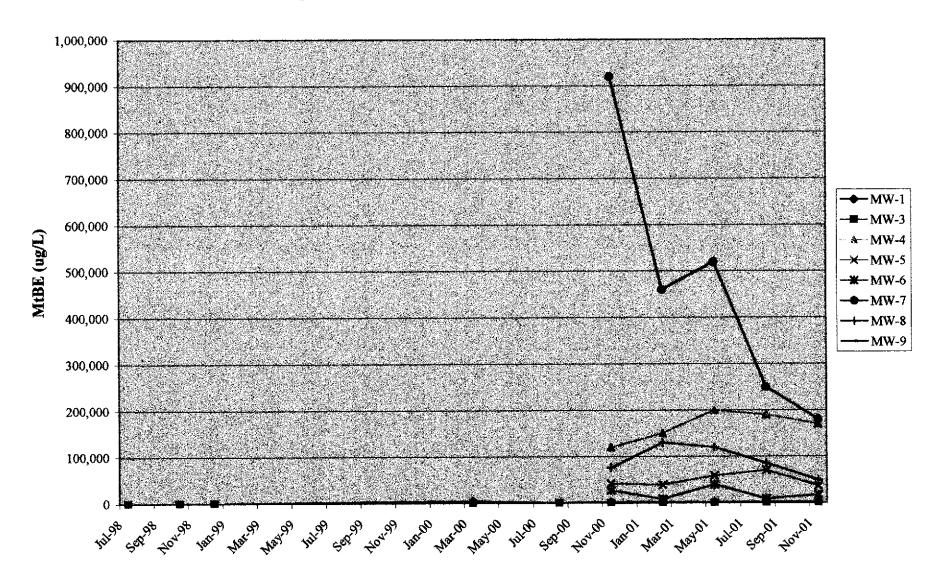


Figure 5. TPH-g Concentrations vs. Time

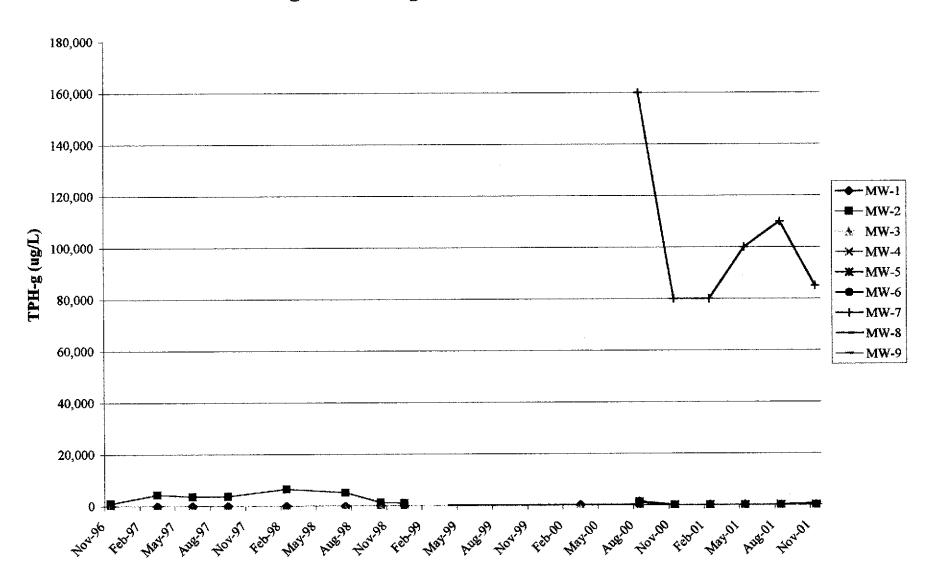
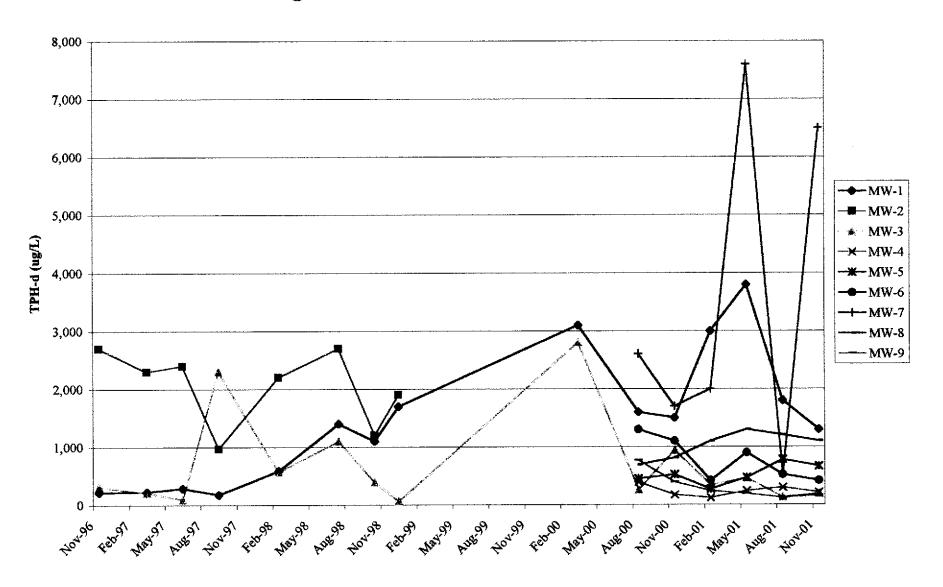


Figure 6. TPH-d Concentrations vs. Time



# APPENDIX A

## **GROUNDWATER SAMPLING LOGS**

## WELL DEVELOPMENT AND SAMPLING LOG

II Data					W	ell Number	MWI	
Depth of Well 2	0'	Casing Ele	•		Depth to Wate Method of San	nolina Well	•	
nod of Purging Weing Volume 2.	7	Volume Fa	ctors.	=0.166	R: 4"=0.653a/ft	6'=1.47g/ft; 8	=2.61g/ft; 12	=5.88;
th to Water Prior to	Sampling 2.	1x3= &	out	1. (u	vily nig	ed le gal		
d Parameters			T - 1.1	7. 4.	Comments (∞	loriodoriahaar	vincoduct etc.)	
	i) Temperature	SP	рH	1 Unpicary	Comments (co	101/0001/31/001	Pproduct dus./	
58 Begin purgi 600	15 37-01	3999×			7.00			
503		3999×			/ yell	suid-tou	node	Υ
105		3/900			>0_		40 shoe	<u> </u>
008		7977 X						<del></del>
62		3999-X						
			<u>  </u>	<del></del>		<del> </del>		<del></del>
		<b></b>	<b> </b>		100501	€ 22.5	0	
ments:			اـــــــــــــــــــــــــــــــــــــ	<u> </u>	DOCOM			
Kmaxed or	I the met	tiv						
	I the me	ter	<u>.</u>					
	I the met	tw	<u> </u>		1			-
	I the me	tır			<i>DU</i> © 0.0			
Kmaxed or	I the met	tv			We	oli Number-		
Kmaxed on			vation		We	II Number- 3.61' Groun		
K maxed on	0.51	Casing Ele			Depth to Water	Il Number-	dwater Elevati	on
I Data Depth of Well Z od of Purging Well	o.s'	Casing Ele	ctors: (2	=0.16 <b>8</b> 9/1	We	Il Number-	dwater Elevati	on
Marked en Marked	o.s'	Casing Ele	ctors: (2	=0.168 <b>3</b> /¶	Depth to Water	Il Number-	dwater Elevati	on
I Data Depth of Well Z od of Purging Well ng Volume 2.8 th to Water Prior to	o.≤′ Sampling 2.	Casing Ele Volume Fa マメ3 こ 名	ctors: Q .4 aa	ev.	Depth to Water Method of Sam t; 4"=0.653g/ft;	Il Number- 3.61 Groun pling Well 6*=1.47g/ft; 8*	dwater Elevati	on
I Data Depth of Well Z od of Purging Well ng Volume 2.8 th to Water Prior to d Parameters me Volume (ge	Sampling 2.	Casing Ele Volume Fa マメ3 こ 名	ctors: (2	ev.	Depth to Water	Il Number- 3.61 Groun pling Well 6*=1.47g/ft; 8*	dwater Elevati	
Data Depth of Well Z od of Purging Well ng Volume 2.8 h to Water Prior to d Parameters me Volume (ge	Sampling 2.	Casing Electronic Factors スメュニータ	ctors: Q .4 aa	ev.	Depth to Water Method of Sam t; 4"=0.653g/ft;	II Number- 3.61 Groun pling Well 6*≈1.47g/ft; 8*	dwater Elevati =2.61g/ft; 12": /product etc.)	on =5.88g
Data Depth of Well Z od of Purging Well ng Volume 2.8 th to Water Prior to d Parameters me Volume (ge	Sampling 2.	Casing Ele Volume Fa マメ3 こ 名	ctors: Q .4 aa	ev.	Depth to Water Method of Samt; 4"=0.653g/ft;	II Number- 3.61 Groun pling Well 6*≈1.47g/ft; 8*	dwater Elevati =2.61g/ft; 12*: /product etc.)	on =5.88g
Data Depth of Well Z od of Purging Well ng Volume 2.8 th to Water Prior to d Parameters me Volume (ge	Sampling 2.	Casing Electronic Factors スメュニータ	ctors: Q .4 aa	ev.	Depth to Water Method of Samt; 4"=0.653g/ft;	Number- 3.61' Groun pling Well 6"=1.47g/ft; 8" or/odor/sheen	dwater Elevati =2.61g/ft; 12*: /product etc.)	on =5.88g
Data Depth of Well Z od of Purging Well ng Volume 2.8 h to Water Prior to d Parameters me Volume (ge	Sampling 2.	Casing Electronic Factors スメュニータ	ctors: Q .4 aa	ev.	Depth to Water Method of Samt; 4"=0.653g/ft;	Number- 3.61' Groun pling Well 6"=1.47g/ft; 8" or/odor/sheen	dwater Elevati =2.61g/ft; 12*: /product etc.)	on =5.88g
Data Depth of Well Z od of Purging Well ng Volume 2.8 h to Water Prior to d Parameters me Volume (ge	Sampling 2.	Casing Electronic Factors スメュニータ	ctors: Q .4 aa	ev.	Depth to Water Method of Samt; 4"=0.653g/ft;	Number- 3.61' Groun pling Well 6"=1.47g/ft; 8" or/odor/sheen	dwater Elevati =2.61g/ft; 12*: /product etc.)	on =5.88g
Data Depth of Well Z od of Purging Well ng Volume 2.8 h to Water Prior to d Parameters me Volume (ge	Sampling 2.	Casing Electronic Factors スメュニータ	ctors: Q .4 aa	ev.	Depth to Water Method of Samt; 4"=0.653g/ft;	Number- 3.61' Groun pling Well 6"=1.47g/ft; 8" or/odor/sheen	dwater Elevati =2.61g/ft; 12*: /product etc.)	on =5.88g
Il Data Il Depth of Well Z  nod of Purging Well ing Volume 2.8 th to Water Prior to Id Parameters ime   Volume (ge	Sampling 2.	Casing Electronic Factors スメュニータ	ctors: Q .4 aa	ev.	Depth to Water Method of Samt; 4"=0.653g/ft;	II Number- 3.61 Groun pling Well 6*=1.47g/ft; 8* lor/odor/sheen	dwater Elevati =2.61g/ft; 12": /product etc.)	on =5.88g

W.A. Craig Inc., Dixon, California (707)693-2929

## WELL DEVELOPMENT AND SAMPLING LOG

li Data				Well Number MW3
Depth of Well_20'	Casing Ek	watton		Depth to Water 도시기 Groundwater Elevation
nod of Purging Well			-	Method of Sampling Well ft; 4"=0.653g/ft; 6"=1.47g/ft; 8"=2.61g/ft; 12"=5.88g/
ing Volume 2.4	Volume Fa	ictors:(	Z=0.1669	ly punged 25 gall
th to Water Prior to Samplin	10 2.4×3= 7	· - w	166. OX	Jay pungta 22 gats
d Parameters		-11	T	Comments (color/odor/sheen/product etc.)
ime Volume (gai) Temp	erature SP	pН	LUTOIGHY	Comments (color/odo/shearspiressarting)
657 Begin purging well	2354	ļ		wellowing moon wellow PP
700	103.57	<b> </b>		yellowish oncen pellow PP
710				1600-
		<u> </u>	<u></u>	

		·			Well Number MWY
lell Data					The state of the s
tal Depth	of Well_2_0.5	7	Casing Ele	vation_	Method of Sampling Weil
ethod of P	urging Well	· · · · · · · · · · · · · · · · · · ·			2"=0.1669/ft; 4"=0.653g/ft; 6"=1.47g/ft; 8"=2.61g/ft; 12"=5.88g/ft
asing Volu	ime2,7		Volume Fa	ctorsic	2=0.185g/ft, 4 =0.055g/ft, 0 =1.47g/ft, 0 =2.07g/ft ==
epth to Wa	ater Prior to Sa	impling 2.	1×3= 0	· V Go	W.
ald Par	ameters				
	Volume (gal)	Temperature	SP	ρН	Turbidity Comments (color/odor/sheen/product etc.)
74401	Begin purging	well	-	·	
43			3158		7 greyith, obre green, order Sheer
		•	3203		Nose-
- 4X			3836		
					2.3
					DO = 0×4 @ 23.70
					100-1-1

## WELL DEVELOPMENT AND SAMPLING LOG

Dat	a					Y	fell Number M	W5
Dept	of Well 20.	51	Casing Ele	wation_		Depth to Wat Method of Sa	er 3.95' Groundwa	mer Elevation_
d of i	Purging Well_ ume	<u> </u>	Volume Fa	ctors	2=0.1660/	ਾਜਵਾਸ਼ਦਾ ਦਾ ਤਬ ੀ: 4"=0.653a/f	t; 6"=1.47g/ft; 8"=2.	61g/ft; 12"=5.88
to W	later Prior to S	ampling 2	7 ×3 =	8.2	nall,		<u> </u>	
	rameters				U			4
16		Temperature	SP	рН	Turbidity	Comments (c	olor/odor/sheen/pro	educt etc.)
29	Begin purging	well					~	<i>(</i> ) -
13			1884		<u> </u>	grey	ish brown, 00	ght show
S			1883	<u> </u>	<u></u>	700		gry where
12			1812	ļ	<u> </u>	-		
9			1816		<u> </u>			
20			1807	<u> </u>	ļ			·
_	·							
				<b></b>		00 =0.0	€ 23.10	
		I		<u></u>				
ents:			<del></del>		,			
ents.								
						· · ·	eli Number 🚜	W6
Data	2			43		W	eli Number M	W 6
Data	a of Well 20		Casing Ele	vation		Depth to Wate	er <u>LI, 33</u> ' Groundwa	ter Elevation
Data Depth	a n of Well Purging Well				-0.166ed	Depth to Wate Method of Sai	er <u>LI, 33</u> ' Groundwa	ter Elevation
Data Depth d of f	a of Well 20, Purging Well ume 2.7		Volume Fa	ctors:	2=0.166g/T	Depth to Wate Method of Sai	FLL.33' Groundwa	ter Elevation
Data Depth d of f to W	a of Well 20, Purging Well ume 2.7 later Prior to S			ctors:C	all.	Depth to Wate Method of Sai t; 4"=0.653g/ft	er_ <u>U_33</u> ' Groundwa mpling Well_ ; 6'=1.47g/ft; 8"=2.6	ter Elevation
Data Depth d of F to W	an of Well	ampling 2	Volume Fa	ctors:C	all.	Depth to Wate Method of Sai t; 4"=0.653g/ft	er_ <u>U_33</u> ' Groundwa mpling Well_ ; 6'=1.47g/ft; 8"=2.6	ter Elevation
Data Depth d of F to W	a of Well	ampling 2	Volume Fa	ctors:C	all.	Depth to Water Method of Said; 4"=0.653g/ft Comments (c	er_L_33' Groundwa mpling Well_ ; 6'=1.47g/ft; 8"=2.6 olor/odor/sheen/pro	ter Elevation 31g/ft; 12*=5.88 duct etc.)
Data Depth d of F to W	an of Well	ampling 2	Volume Fa	ctors:C	all.	Depth to Water Method of Said; 4"=0.653g/ft Comments (c	er_L_33' Groundwa mpling Well_ ; 6'=1.47g/ft; 8"=2.6 olor/odor/sheen/pro	ter Elevation 31g/ft; 12*=5.88 duct etc.)
Data Depth d of F to W	a of Well	ampling 2	Volume Fa	ctors:C	all.	Depth to Water Method of Said; 4"=0.653g/ft Comments (c	er_ <u>U_33</u> ' Groundwa mpling Well_ ; 6'=1.47g/ft; 8"=2.6	ter Elevation 31g/ft; 12*=5.88 duct etc.)
Data Depth d of f to W	a of Well	ampling 2	Volume Fa 2 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 ×	ctors:C	all.	Depth to Water Method of Said; 4"=0.653g/ft Comments (c	er_L_33' Groundwa mpling Well_ ; 6'=1.47g/ft; 8"=2.6 olor/odor/sheen/pro	ter Elevation 31g/ft; 12*=5.88 duct etc.)
Data Depth d of f y Volito W	a of Well	ampling 2	Volume Fa 2 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 ×	ctors:C	all.	Depth to Water Method of Said; 4"=0.653g/ft Comments (c	er_L_33' Groundwa mpling Well_ ; 6'=1.47g/ft; 8"=2.6 olor/odor/sheen/pro	ter Elevation 31g/ft; 12*=5.88 duct etc.)
Dat: Depth d of it Volito W 179 17 17 20	a of Well	ampling 2	Volume Fa 2 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 ×	ctors:C	all.	Depth to Water Method of Said; 4"=0.653g/ft Comments (c	er_L_33' Groundwa mpling Well_ ; 6'=1.47g/ft; 8"=2.6 olor/odor/sheen/pro	ter Elevation 31g/ft; 12*=5.88 duct etc.)
Data Depth d of f y Volito W	a of Well	ampling 2	Volume Fa 2 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 ×	ctors:C	all.	Depth to Water Method of Said; 4"=0.653g/ft Comments (c	er_L_33' Groundwa mpling Well_ ; 6'=1.47g/ft; 8"=2.6 olor/odor/sheen/pro	ter Elevation 31g/ft; 12*=5.88 duct etc.)
Dat: Depth d of it Volito W 179 17 17 20	a of Well	ampling 2	Volume Fa 2 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 = 12 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 ×	ctors:C	all.	Depth to Water Method of Said; 4"=0.653g/ft Comments (c	er_L_33' Groundwa mpling Weil_ ; 6°=1.47g/ft; 8°=2.6 olor/odor/sheen/pro	ter Elevation

-U 11	Name Rine	hat	·	Job Ne	0. <u>3628</u>	Date 11-4-01	Weather_	sunny wown
						•	•	0
•			•					
		- 				TOTAL N	ımber M	14.7
Dat			Assiss Ele	wallon.	·	Depth to Water 6.66	Groundwa	er Elevation
Dept	h of Well_20 Purging Well_		Casing Ek	•	•	Method of Sampling	Well	
	iume 2-3		Volume Fr	ctors:	2=0.1684	t; 4"=0.653g/ft; 6"=1.	47g/ft; 8"=2.6	1g/ft; 12"=5.88g/
i to V	Vater Prior to S	ampling 2.3	3 X 3 2	6.9 a	all.			
	rameters			0				
		Temperature	SP	pH	Turbidity	Comments (color/od	or/sheen/pro	fuct etc.)
	Begin purging	Well						br show
55			1461	ļ			mong as	er ) shew
59			1909	<b></b>		<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>		
<u>02</u>	<u> </u>		1506	<del>                                     </del>	<del> </del>	1		
				<del> </del>				
-	·		·					
			~				(C) (A) (A)	<del></del>
						DO= 0.42	@ 24.00	· · · · · · · · · · · · · · · · · · ·
. S . <del>111</del>			•				/	
-						iWeli Ni	mber M	w 8
Dat			Cooling Sid	wattoo		Well No	imber M	₩ & er Elevation
Dept	th of Weil_20.	5/	Casing Ele	evation_		Depth to Water 3.7	<i>⊌</i> Groundwal Well	er Elevation
Deption of	th of Weil 20. Purging Well		Volume Es	ctors	2 = 0.166g/1	Depth to Water 3.7 Method of Sampling	<i>⊌</i> Groundwal Well	er Elevation
Deption of	th of Weil 20. Purging Well		Volume Es	ctors	2=0.166g/1	Depth to Water 3.7 Method of Sampling	<i>⊌</i> Groundwal Well	er Elevation
Deption of a volume of the vol	th of Weil <u>20.</u> Purging Well lume 2.8 Vater Prior to S		Volume Es	ctors	jall.	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.	<u>⊌</u> Groundwal Well_ 47g/ft; 8*=2.6	er Elevation 1g/ft; 12*=5.88g/f
Deption of of to W	th of Well_20. Purging Well lume_2.8 Vater Prior to S trameters	ampling 2.	Volume Es	ctors	jall.	Depth to Water 3.7 Method of Sampling	<u>⊌</u> Groundwal Well_ 47g/ft; 8*=2.6	er Elevation 1g/ft; 12"=5.88g/f
Depting Vol	th of Weil 20, Purging Well Nume 2.8 Vater Prior to S Trameters Volume (gal)	ampling 2.	Volume Fa 8 × 3 = SP	g.3	jall.	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.	<u>⊌</u> Groundwal Well_ 47g/ft; 8*=2.6	er Elevation 1g/ft; 12"=5.88g/f
Deption of of to Williams	th of Weil 20, Purging Well Jume 2.8 Vater Prior to S Arameters Volume (gal) Begin purging	ampling 2.	Volume Fa 8 × 3 = SP	g.3	jall.	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.	<u> </u>	er Elevation 1g/ft; 12"=5.88g/f
Deption of of to Williams	th of Weil 20, Purging Well Jume 2.8 Vater Prior to S Arameters Volume (gal) Begin purging	ampling 2.	Volume Fa 8×3 = SP 2417 25/8	g.3	jall.	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.  Comments (color/od	Groundwal Well_ 47g/ft; 81=2.6 or/sheen/proc	er Elevation 1g/ft; 12"=5.88g/f fuct etc.)
Deption of of to Williams	th of Weil 20, Purging Well Jume 2.8 Vater Prior to S Arameters Volume (gal) Begin purging	ampling 2.	Volume Fa 8 × 3 = SP 2417 25 / 8 29 6 3	g.3	jall.	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.  Comments (color/od	Groundwal Well_ 47g/ft; 81=2.6 or/sheen/proc	er Elevation 1g/ft; 12"=5.88g/f
Deption of of to Williams	th of Weil 20, Purging Well Jume 2.8 Vater Prior to S Arameters Volume (gal) Begin purging	ampling 2.	Volume Fa 8×3 = SP 2417 25/8	g.3	jall.	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.  Comments (color/od	Groundwal Well_ 47g/ft; 81=2.6 or/sheen/proc	er Elevation 1g/ft; 12"=5.88g/f fuct etc.)
Deption of of to Williams	th of Weil 20, Purging Well Jume 2.8 Vater Prior to S Arameters Volume (gal) Begin purging	ampling 2.	Volume Fa 8 × 3 = SP 2417 25 / 8 29 6 3	g.3	jall.	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.  Comments (color/od	Groundwal Well_ 47g/ft; 81=2.6 or/sheen/proc	er Elevation
Deption of of to Williams	th of Weil 20. Purging Well lume 2.8 Vater Prior to S trameters Volume (gal) Begin purging	Temperature	Volume Fa 8 × 3 = SP 2417 2518 2963 3126	pH	Turbidity	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.	Groundwat Well_ 47g/ft; 8*=2.6 or/sheen/proc	er Elevation
Deption of of to W	th of Weil 20. Purging Well lume 2.8 Vater Prior to S trameters Volume (gal) Begin purging	Temperature	Volume Fa 8 × 3 = SP 2417 2518 2963 3126	pH	Turbidity	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.	Groundwat Well_ 47g/ft; 8*=2.6 or/sheen/proc	er Elevation
Deption of of to Williams	th of Weil 20. Purging Well lume 2.8 Vater Prior to S trameters Volume (gal) Begin purging	Temperature	Volume Fa 8 × 3 = SP 2417 2518 2963 3126	pH	Turbidity	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.	Groundwat Well_ 47g/ft; 8*=2.6 or/sheen/proc	er Elevation
Deption of of to W	th of Weil 20. Purging Well lume 2.8 Vater Prior to S trameters Volume (gal) Begin purging	Temperature	Volume Fa 8 × 3 = SP 2417 2518 2963 3126	pH	Turbidity	Depth to Water 3.7 Method of Sampling t; 4"=0.653g/ft; 6"=1.	Groundwat Well_ 47g/ft; 8*=2.6 or/sheen/proc	er Elevation 1g/ft; 12"=5.88g/f fuct etc.)
Deption of of to W	th of Weil 20. Purging Well lume 2.8 Vater Prior to S trameters Volume (gal) Begin purging	Temperature	Volume Fa 8 × 3 = SP 2417 2518 2963 3126	pH	Turbidity	Depth to Water 3.7 Method of Sampling t: 4"=0.653g/ft; 6"=1.  Comments (color/od  Drown: 1.9	Groundwat Well_ 47g/ft; 8*=2.6 or/sheen/proc	er Elevation

W.A. Craig Inc., Dixon, California (707)693-2929

## APPENDIX B

## LABORATORY ANALYTICAL REPORTS

W. A. Craig, Inc.	Client Project ID: #3628; Rinehart	Date Sampled: 11/04/01
6940 Tremont Road	,	Date Received: 11/05/01
Dixon, CA 95620-9603	Client Contact: Tim Cook	Date Extracted: 11/05/01
	Client P.O:	Date Analyzed: 11/05/01

11/12/01

Dear Tim:

Enclosed are:

- 1). the results of 8 samples from your #3628; Rinehart 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.

the transfer of

Edward Hamilton, Lab Director

W. A. Chille Inc.	Client Project ID: #3628; Rinehart	Date Sampled: 11/04/01
W. A. Craig, Inc. 6940 Tremont Road	Chem Project ID, #3030, Panes	Date Received: 11/05/01
Dixon, CA 95620-9603	Client Contact: Tim Cook	Date Extracted: 11/06-11/09/01
•	Client P.O:	Date Analyzed: 11/06-11/13/01

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline\*, with Methyl tert-Butyl Ether\* & BTEX\*

Lab ID	ds 5030, modified Client ID	Matrix	TPH(g) <sup>+</sup>	МТВЕ	Benzene	Toluene	Ethyl- benzene	Xylenes	% Recovery Surrogate
82720	MW1	w	ND	1600	ND	ND	ND	ND .	103
82721	MW3	w	ND	36	ND	ND	ND	ND	106
82722	MW4	W	ND<5000	130,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	105
82723	MW5	W	ND<1700	44,000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	107
82724	MW6	w	ND<500	12,000	ND<2.0	ND<2.0	ND	ND	102
82725	MW7	w	85,000,a	150,000	17,000	2700	2100	9700	113
82726	MW8	w	590,f	60,000	6.9	ND	ND	ND	107
82727	MW9	w	ND	130	ND	ND	ND	ND	105
<u> </u>									
				-					
		-							
		-							
	ng Limit unless	W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
means no	rise stated; ND of detected above eporting limit	S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	1

<sup>\*</sup> 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

<sup>\*</sup> 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 (?); 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.

Client Project ID: #3628: Rinehart	Date Sampled: 11/04/01
Chem Project ID. #3020, Rindian	Date Received: 11/05/01
Client Contact: Tim Cook	Date Extracted: 11/05/01
Client P.O:	Date Analyzed: 11/06-11/14/01

Lab ID	Client ID	Matrix	CB (SF Bay Region) method GCFID(3550)  TPH(d) <sup>+</sup>	% Recovery Surrogate
82720	MW1	w	1300,a	94
82721	MW3	w	190,b,g	92
82722	MW4	w	210,c	93
82723	MW5	w	670,c	97
82724	MW6	W	420,c	100
82725	MW7	w	. 6500,d	91
82726	MW8	w	1100,c	95
82727	MW9	w	160,c	96
· · ·				
	-			
Reporting L	imit unless otherwise	W	50 ug/L	
stated; ND mx	eans not detected above reporting limit	s	1.0 mg/kg	

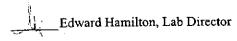
<sup>\*</sup> water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / STLC / SPLP extracts in ug/L

<sup>\*</sup> cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

<sup>&#</sup>x27;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.

W. A. Craig, Inc.	Client Project II	): #3628; Rine	hart	Date Sampled: 1	1/04/01						
6940 Tremont Road	·	,	1	Date Received:	11/05/01	1/05/01					
Dixon, CA 95620-9603	Client Contact:	Tim Cook		Date Extracted: 11/08-11/13/01							
	Client P.O:			Date Analyzed:	11/08-11/	13/01					
EPA method 8260 modified	Oxygenated Vo	latile Organic	s By GC/MS	3							
Lab ID	82720	82721	82722	82723	Papati	ng Limit					
Client ID	MW1	MW3	MW4	MW5	Keportii	ng Lum					
Matrix	w	w	W	w	S	w					
Compound		Concen	tration*		ug/kg	ug/L					
Di-isopropyl Ether (DIPE)	ND<50	ND	ND<2500	ND<1000	5.0	1.0					
Ethyl tert-Butyl Ether (ETBE)	ND<50	ND	ND<2500	ND<1000	5.0	1.0					
Methyl-tert Butyl Ether (MTBE)	1500	43	170,000	37,000	5.0	1.0					
tert-Amyl Methyl Ether (TAME)	ND<50	ND	ND<2500	ND<1000	5.0	1.0					
tert-Butanol	ND<250	ND	ND<13,000	ND<5000	25	5.0					
	Surro	ogate Recoveries	(%)								
Dibromofluoromethane	117	88	102	87	,						
Comments:											

<sup>\*</sup> water samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in ug/L ND means not detected above the reporting limit; N/A means surrogate not applicable to this analysis



<sup>(</sup>h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content

1				Date Sampled: 1	1/04/01						
W. A. Craig, Inc.	Client Project II	); #3628; Rine.	hart	Date Received:							
6940 Tremont Road											
Dixon, CA 95620-9603	Client Contact:	Date Extracted: 11/08/01									
	Client P.O:	11/08/01									
EPA method 8260 modified	Oxygenated Vo	latile Organic	s By GC/MS	3							
Lab ID	82724	82725	82726	82727	Renorti	ng Limit					
Client ID	MW6	MW7	MW8	MW9	керопп	ng Enon					
Matrix	W	w	W	W	S	w					
Compound		Concen	tration*		ug/kg	ug/L					
Di-isopropyl Ether (DIPE)	ND<250	ND<2500	ND<2500	ND<5.0	5.0	1.0					
Ethyl tert-Butyl Ether (ETBE)	ND<250	ND<2500	ND<2500	ND<5.0	5.0	1.0					
Methyl-tert Butyl Ether (MTBE)	17,000	180,000	49,000	120	5.0	1.0					
tert-Amyl Methyl Ether (TAME)	ND<250	ND<2500	ND<2500	ND<5.0	5.0	1.0					
tert-Butanol	ND<1300	ND<13,000	ND<13,000	ND<25	25	5.0					
	Surre	ogate Recoveries	(%)		-						
Dibromofluoromethane	. 81	102	88	107							
Comments:						•					

<sup>\*</sup> water samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in ug/L ND means not detected above the reporting limit; N/A means surrogate not applicable to this analysis

<sup>(</sup>h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content

W. A. Craig, I	nc	Client Proje	ct ID: #3628; Rinehart	Date Sampled:	11/04/01
W. A. Claig, 1 6940 Tremont	i	Chomerage	<b>0.12</b> (	Date Received:	11/05/01
Dixon, CA 95		Client Cont	act: Tim Cook	Date Extracted	: 11/08-11/13/01
Dixon, CA 95	020-9003	Client P.O:		Date Analyzed	: 11/08-11/13/01
<u></u>	Ethylene Dibrom	_	romoethane) and 1,2-	Dichloroethane (1,2-Do	
EPA method 826	0			<u> </u>	% Recovery
Lab ID	Client ID	Matrix	EDB	1,2-DCA	Surrogate
82720	MWI	w	ND<50,j	ND<50	117
82721	MW3	w	ND	ND	88
82722	MW4	W	ND<2500,j	ND<2500	102
82723	MW5	w	ND<1000,j	ND<1000	87
82724	MW6	w	ND<250,j	ND<250	81
82725	MW7	w	ND<2500,j	ND<2500	102
82726	MW8	w	ND<2500,j	ND<2500	88
82727	MW9	w	ND<5.0,j	ND<5.0	107
Reporting Li	imit unless otherwise	w	1.0 ug/L	1.0	
stated; ND me the re	ans not detected above eporting limit	S	5.0 ug/kg	5.0	

<sup>\*</sup> water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

J.

\_Edward Hamilton, Lab Directo

h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) sample diluted due to high organic content.

110 2nd Ave. South, #D7, Pacheco. CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622

http://www.mccampbell.com E-mail: main@mccampbell.com

### **QC REPORT**

### EPA 8015m + 8020

Date: 11/06/01					Matrix:	Water	
		Concent	ation: u	ug/L	%Rec	overy	
Compound	Sample	MS	MSD	Amount Spiked	MS	MSD	RPD
SampleID: 110701	Extraction:	EPA 50	30		Instrumen	<u>t:</u> GC	C-7
Surrogate1	ND	107.0	106.0	100.00	107	106	0.9
Xylenes	ND	32.1	32.3	30.00	107	108	0.6
Ethylbenzene	ND	10.8	10.8	. 10.00	108	108	0.0
Toluene	ND	10.8	10.8	10.00	108	108	0.0
Benzene	ND	9.9	10.8	10.00	99	108	8.7
MTBE	ND	9.0	9.3	10.00	90	93	3.3
TPH (gas)	ND	102.2	101.0	100.00	102	101	1.2
SampleID: 100601	Extraction	EPA 3	510		Instrume	nt: GC-1	1 A
Surrogate1	ND	82.0	83.0	100.00	82	83	1.2
TPH (diesel)	ND	8600.0	8600.0	7500.00	115	115	0.0

 $\% \text{ Re covery} = \frac{\left( MS - Sample \right)}{AmountSpiked} \cdot 100$  $RPD = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2400$ 

RPD means Relative Percent Deviation

### **QC REPORT**

## VOCs (EPA 8240/8260)

Date: 11/08/01	Extraction	: N/A			Matrix: V	Vater	
	;	Concent	ration: u	ug/L	%Reco	very	
Compound	Sample	MS	MSD	Amount Spiked	MS	MSD	RPD
SampleID: 110701				,	Instrument	GC-	-10
Surrogate	nD	100.0	100.0	100.00	100	100	0.0
tert-Amyl Methyl Ether	, ND	9.8	9.9	10.00	98	99	1.0
Methyl tert-Butyl Ether	; ND	9.4	9.5	10.00	94	95	1.1
Ethyl tert-Butyl Ether	ND	10.2	10.4	10.00	102	104	1.9
Di-isopropyl Ether	ND	9.9	9.9	10.00	99	99	0.0
Toluene	ND	10.0	10.0	10.00	100	100	0.0
Benzene	ND	10.6	10.6	10.00	106	106	0.0
Chlorobenzene	ND	10.6	10.4	10.00	106	104	1.9
Trichloroethene	ND	8.8	8.8	10.00	88	88	0.0
1,1-Dichloroethene	ND	10.3	10.3	10.00	103	103	0.0

% Re covery = \(\left(\text{MS-Sample}\right)\)
AmountSpiked 100

 $RPD = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2400$ 

28591 ZWGC 603

McCAMPBELL ANALYTICAL INC.   It is 2 a Average south, 207   Facilition, 24 4955 369   Fax: (925) 798-1622   TURN AROUND TIME   Company: W. A. Craig   G940 Tremont Road   Dixon, CA 95620-9603   Tele: (707) 693-2922   Project Mane: Purchast   Fax: (1707) 693-2922   Fax: (1707) 693-2922   Project Mane: Purchast   Fax: (1707) 693-2922   Fax: (1707) 693-2922   Project Mane: Purchast   Fax: (1707) 693-2922   Fax: (1707) 693-29	Negoti			285	591	艺	WC	ic (	003	3		( )	172																	V,	cut i	
Report for IT. Cork  SMO Tremont Road  Dixon, CA 9560-9603  Tele: (707) 693-2922  Project Main III 77  Sampler Signature  SAMPLEND  Date Time Signature  MATRIX METHOD  PRESERVED  SAMPLE ID LOCATION  Date Time Signature  MATRIX METHOD  SAMPLE ID LOCATION  Date Time Signature  MATRIX METHOD  SAMPLE ID LOCATION  Date Time Signature  MATRIX METHOD  SAMPLE ID LOCATION  Date Time Signature  SAMPLE ID LOCATION  Date Time Signature  MW I CAR County 11-4 16-13 5 X X X X X X X X X X X X X X X X X X		ŀ	10 2 <sup>™</sup> AV PACHECC	ANAL' ENUE SOU	Y 110. PTH, #T	.AL 07	INO	C.							7	rui	₹N	AR	OUI	ND	AIT.	ЛE		О		(	IOUI	R 48	<b>О</b> в но		أسسسسيي	
Company, W. A. Claig  6940 Tremon Road  Dixon, CA 95620-9603  Tele: (707) 693-2992  Project Name: Reserved  Sampler Signature  SAMPLING				Bil	l To:													À	naly	sis	Requ	est					L	Othe	F	C	omments	
Project   Proj	Company W A C	raio										+	1								1.			;			and the same		•	1	2020011	5 1-2.
SAMPLEID  LOCATION  Date  Time  SAMPLING  SAMPLING  SAMPLEID  LOCATION  Date  Time  SAMPLING  SA													_	- }		3		- 1	Ī	1	5		1			i	\$71.44A	ì	ir }			생기의 11년 11년
SAMPLEID  LOCATION  Date  Time  SAMPLING  SAMP			i03											BE		CF/		:	Ì	1	M		018			1				1	EXECUTE:	
SAMPLEID  LOCATION  Date  Time  SAMPLING  SAMP			7	2 / Fa:	x: (70	7) 69	3-29	922	******					X W		<u>S</u>	()			1,	13		26	:	:			i	ļ	1		:
SAMPLEID  LOCATION  Date  Time  SAMPLING  SAMPLING  SAMPLEID  LOCATION  Date  Time  SAMPLING  SA				Pro	oiect l	Vame	: K	2	1	1 Au	F			55		552	41	:		1	48		270	:	1				And the state of t	1.4		ki:
SAMPLEID  LOCATION  Date  Time  Sample 100  Sample 100  Date  Time  Sample 100  Sample 100					_,_			<u> </u>		L (2.	بررامه			+ ]		ase (	Suos	Š	170	Ε .	127		3/8	ĺ	é		Alexandra.	i	1	8	27727	in.
MW 1 Cak land 11-4 16:13 5 X 2-40mL  MW 3 17:11  MW 4 19:36  MW 5 15:21  MW 6 19:36  MW 7 19:30  MW 9 V 16:41 V 4 1 10:13 5 X 10:10	I	**************************************	7//	Cl. Full Mar	<u>v.                                    </u>	VI.								7802		5	Cart	1 5	2	Ó	0		A 62		197		1	ı	ĺ	T is		
MW 1 Cak and 11-4 16:13 5 X (HC1)  MW 3 MW 4 17:26  MW 5 15:21  MW 6 14:26  MW 7 15:46  MW 9 V 16:41 V 4 MW 9  Relinguish By:  Relinguish By:  Resignably  Resigna	Samplet Signature	May	1000	UNIC	т.			4 A T	DIV		ME	THO	5	(602	1	3	£		3	ģ	58		臣		0		1 1	Ì	-	2		l
MW 1 Cak and 11-4 16:13 5 X (HC1)  MW 3 MW 4 17:26  MW 5 15:21  MW 6 14:26  MW 7 15:46  MW 9 V 16:41 V 4 MW 9  Relinguish By:  Relinguish By:  Resignably  Resigna		/ //	SAMP.	LING	- 1	Į,		MAI	KIA.		PRES	ERV	ED	S S	108	ğ	Ę			, E	18		۵	2	.   5			. 1				
MW 1		$\mathcal{U}$			crs	aine				- 1			11	Sã .		5	enu	ğ   ;	<u>جَ اچَ</u>	808	14	27	ĭ <u>×</u>	eg .			1	1 1		, C		
MW 1 Cak land 11-4 16:13 5 X 2-40mL  MW 3 17:11  MW 4 19:36  MW 5 15:21  MW 6 19:36  MW 7 19:30  MW 9 V 16:41 V 4 1 10:13 5 X 10:10	SAMPLE ID	LOCATION	]	•	ag	ont	}				ļ			TPI	Dic.	2	Ë	=		/ 8	13	12	4	7	Ž S						20 TO ORDER	
MW 1 Cak land 11-4 16:13 5 X 2-40mL  MW 3 17:11  MW 4 19:36  MW 5 15:21  MW 6 19:36  MW 7 19:30  MW 9 V 16:41 V 4 1 10:13 5 X 10:10	}		Date	Time	E	C C	힐.	_	ş	ğΪ		ြင်	ច្	X	l as	Ä	a l	8	3	8	13	3	5 E	Ξ.		]_						
MW 1  Oak Good 11-4 16:13 5 X  MW 3  MW 4  14:36  MW 5  15:21  MW 6  14:10  MW 9  V 16:14 V 17  MW 9  Registrate by  Registrat			İ	1	<u>Q</u>	<u>.</u>	¥.	A So		ੈ.		至	8	BIE	Ē	Tot	Jo.	品			日	品	PA	5	3   5	2			-	2	经被控制的。	
Religiously By:  Religi						12		_		<del>-  </del> ,		1	$\vdash$		//	-			┽	+-	<b>★</b> /	╁		-	$\dashv$	╁	1-	-		1	12-40ml	
MW3 MW4  14:26  MW5  15:21  MW7  MW8  MW8  MW9  Relinquish By  Resignation  Resigna	MWI	Oakland	11-4	16:13	5	<u>迷</u>	X	_ _	4	_	XX	<u> </u>		K	$\Diamond$						-\X	<b>↓</b> —					-[			-14		
MW 9  19:36  MW 19  MW			[ \ \ \ [	17:11	1		$\mathbb{X}$				X X			igtriangle	X				_	_	$\mathcal{L}_{\lambda}$	<b>-</b>				- -	_			- -		4 /
MWS  14:26  MWS  MWS  MWS  MWS  MWS  MWS  MWS  MW				14:17		$\top$	X				XIX	1		X	ľΧ	]			-		X				_  _		_					
Relinquister by:    Date: Time: Received By:   CONTAINERS   CONTAINERS   RECONTAINERS   CONTAINERS   CONTAINE			1		11	$\neg$	X	7			$\sqrt{\lambda}$	1		X	X					7	X	]					1	1 1		1	ino Ha	)
Relinquisher By:    Pate:   Time:   Received By:	MWS				<del>-}-</del> -{		$\langle \cdot \rangle$			7	X	₹—	+	区	K	-			-		Ýχ	1					_		7		Contract to	
Relinquish Fly:    Date: Time: Received By:   Remarks:   VOAS   0.86   METALS   OTHER	MW6	<b></b>	1			_ -	$\langle \cdot \rangle$	$\dashv$			Ж	}	-	Ι¥	$\Theta$	-	<b> </b> -			-		╢	<del>  -</del>			$\dashv$	-	1		- <b>1</b>		1
Relinquish By:    Date: Time: Received By:   Containers	I -	_		14:03	$\bot$	$\perp \sqcup$	X.				XX.	4	-	K	$\swarrow$	ļ	_				₩X	<b>.</b>	<del> </del>					1-		-6	A STATE OF THE STA	1
Relinquished By:  Relinquished By:  Relinquished By:  Received By:  Rece				15:46			X				$\lambda V$	$\subseteq$		兦	ΙX	L			_ _		_(`	<b>x</b>	<del> </del>								1 58 24 SAM (110)	-
Relinguisher By:    Date: Time: Received By:   Remarks:   VOAS   08G   METALS   OTHER     Relinguished By:   PRESERVATION     PRESERVATION   APPROPRIATE     CEMO		4	1 17	11:41	47	17	X	. ]	}		XI)	(		lΧ	$\mathbb{I}X$				- {		X			Ì			_ _					4
Religioushed By:  Religioushed By:    CEN   PRESERVATION   PRESERVATION   APPROPRIATE	MWY	T	<del>                                     </del>	''@ <i> </i>	V.	<b>-¥</b> -,					7	1							-											1		
Religioushed By:  Religioushed By:  Time: Received By:  PRESERVATION PRESERVATION APPROPRIATE  OOOD CONDITION APPROPRIATE  CONTAINERS  CONTAINERS		<u> </u>		<u> </u>			╂╌┤		+	H	╁	╌		十一		1-	$\vdash$			_		1	1									1
Religioushed By:  Religioushed By:    CEN   PRESERVATION   PRESERVATION   APPROPRIATE			<u> </u>	ļ					<u> </u>		-	+	┵		-	-├	┧	╂─┤			-		-		-		1-					1
Religioushed By:  Religioushed By:    CE/N   PRESERVATION   PRESERVATION		1	<b>!</b>	<u> </u>							4	_		.	-	-	}	-	-				-	-	<del>  </del> -			+-	<b> -</b>  -			-
Religioushed By:  Religioushed By:    CE/N   PRESERVATION   PRESERVATION						ŀ			1					1_		$\perp$			_ .	_			_	<u> </u>	<b>  </b>		_ <b> </b> _		-	}		4
Religioushed By:  Religioushed By:    CE/N   PRESERVATION   PRESERVATION		<del> </del>	-	İ	i .									1				!								$\bot$	_ _			_		4
Religioushed By:  Religioushed By:  Time: Received By:  PRESERVATION PRESERVATION APPROPRIATE  OOOD CONDITION APPROPRIATE  CONTAINERS  CONTAINERS		1		<del> </del>	<del> </del>		╁╌				_		1.	1	_	1	-										1	'	<u> </u>			
Religioushed By:  Religioushed By:    CEN   PRESERVATION   PRESERVATION   APPROPRIATE		_///_	_	<del> </del>	<b> </b>	-	╀╌	$\vdash$		-	$\dashv$							-				1	1	-		$\neg$						1
Religioushed By:  Religioushed By:  Time: Received By:  PRESERVATION PRESERVATION APPROPRIATE  OOOD CONDITION APPROPRIATE  CONTAINERS  CONTAINERS	1/ //			<u> </u>	<u> </u>		Ļ		حِلت		L.	٠		╌	1			<u>.                                    </u>					i	ш	<u> </u>		السر نستان		4			7
Religioushed But Time: Received By:  Tom Type Received By:  HEAD SPACE ABSENT V CONTAINERS	Relinguished By:		Date:		Rece	ו ביבעני <i>ו</i>	y.	//						"	(em	MIKS		,								AS	0&G	METAL	LSIOT	HEK		
Religioushed by:  Time: Received By:  Tom I would By:  APPROPRIATE  CONTAINERS  CONTAINERS	1 MILINI	1/4	1/5					ď						4	ሆ	FIM	, \			/	,	PR	ESER	VATI	)N _	$\triangle$						
HEAD SPACE ABSENT V CONTAINERS V	Religioushed De	111			Rece	- Y.			۸ ¬	۷.	<u>.</u>	.0		1				UNITI	กิม	V,												
	1 11/	Lel1	195					ر ـ	۱ ۱	$\overline{\mathcal{D}_{\Lambda}}$	116	<u>V</u>		4	i) U	CAIN	NGS	ሌት VI	BCEN	T	~/	CC	INTAL	NER!	Y							
		- <del> </del>	Date:	Time:	Rec	eived F	Зy:								F	しおり	)(I)	UL N	UJLIY	11	<del>`</del>		,, , 1, 4								e de	1