PHONE (925) 284-4208
FAX (925) 284-4189
EMAIL:
johnrsutton@mindspring.com

THE SUTTON GROUP

SOILS, FOUNDATIONS, DRAINAGE, SLOPES, CONTAINMENTS
CIVIL, GEOTECHNICAL AND ENVIRONMENTAL ENGINEERING

3708 Mount Diablo Blvd
Suite 215
Lafayette, CA, 94549

November 22, 2004

Mr. Michael Cortez
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, 94580

Results of 9th Quarterly Round of Sampling of Ground Water Monitoring Wells
Sites of Former Gasoline and Diesel Tanks
2600 Grant Ave., San Lorenzo, CA
OLSD PO No. 4911, LOP Site No. RO0000288 ST ID 1996

Dear Mr. Cortez:

We attach results for the most recent round of quarterly sampling of the ground water monitoring wells, conducted on October 28, 2004. This is the 9th quarterly sampling of the five wells at the former gasoline tank site and the one well at the former diesel tank site.

This work has been performed in accordance with the Work Plan that was approved by Alameda County Health Care Agency's Environmental Protection Division (ACEP) in their letter dated April 18, 2003. Additionally, selected wells were additionally monitored for selected dissolved metals (Fe, Mn) and Oxygen Demand (COD, BOD) to provide data preparatory to installation of the planned ORP remediation system.

Figure 1 is a plan of the District's facilities at the foot of Grant Avenue in San Lorenzo that shows the relative locations of the former gasoline and diesel tanks to the sewage treatment plant and the District's offices. Figure 2 is a plan of the Service Center area, which was the site of the former gasoline tank. Table 1 summarizes the ground water elevation data collected and their history.

Groundwater Monitoring

Review of groundwater level measurements around the former gasoline tank site indicates a 1½ foot drop over the quarter, which is an effect of construction dewatering pumps now operating in the POTW. The effect on this site area is to substantially steepen the ground water gradient towards the barrier trenches in Grant Avenue. The water levels in MW-3 and 4 are both now lower than in MW-5, however, the "inland" gradient between the three onsite wells is an order of magnitude flatter than gradients towards wells in Grant Avenue. Table 1 is a cumulative tabulation of groundwater data.

It was decided that the "reverse flow" from MW-2 towards MW-1 is more influential, and is reflected for the first time on the gradient map. The gradient direction does not change our site model.

Sampling Results

Gasoline Tank Area

On October 28, 2004, water samples were collected from four wells in accordance with the approved work plan, except that the samples were collected by the micro-purge technique as notified in an email to Ms. Drogos on 9/27/2004. Conditions of the wellheads appeared to have not changed from the previous sampling.

All five wells were sounded and then the four wells were each sampled. Each sample was analyzed for gasoline, BTEX and MTBE. Table 2 is a summary of the results of the current round of analytical results for hydrocarbons. In this sampling, with very low groundwater conditions, chemical levels were higher, and a presence was noted for the first time in MW-3. Table 2A is a compilation of all test results for gasoline-related hydrocarbon constituents in the gasoline tank area since well sampling began in 1999. By the continued absence of gasoline and BTEX presence beyond the barrier trenches the results continue to demonstrate the effectiveness of the trench system in controlling water migration.

Table 3 is a new table documenting the results of sampling for selected dissolved metals (iron and manganese) and oxygen demand, both as chemical (COD) and biological (BOD). The laboratory report is appended, as are sampling event field sheets.

Diesel Tank Area

The monitoring well at the location of the former diesel tank was also sampled. This well was installed and first sampled in March, 1996. The monitoring well location is shown on Figure 1.

The well was sampled by the micro-purged method, and analyzed for TPH as diesel and BTEX. The presence of 58µg/l was similar to the reading last quarter (87µg/l) and substantially lower than the initial 1996 reading. Table 4 (formerly known as Table 3) is a tabulation of all sample results for this well. Historically, the well has no detection of BTEX.

Future Sampling

The wells in the former gasoline tank area continue to indicate that the contamination is contained on the District's property by the barrier trench. The wells beyond the barrier continue to show no detection of gasoline or BTEX. The next sampling is scheduled for January 2005.

Request for Agency Meeting

Recently ACEH Case Officer Eva Chu notified me that the had been transferred to a different department within the agency and that no new case officer had been assigned. Ms Chu suggested we direct our requests to LOP Program supervisor Donna Drogos.

On November 8, 2004, I emailed Ms. Drogos requesting a meeting among Agency, District and this firm. The purpose of the meeting is to discuss, and reach agreement on target cleanup levels for the planned site remediation by ORP injection. A copy of the message is attached. This meeting is necessary so that the District and us will have documented cleanup criteria for use in system design, operation, monitoring and site closure. To date, I have not received a response from Ms. Drogos, so today I re-issued the memo. Please let me know if you hear from Ms. Drogos in this regard.

We appreciate the opportunity to be of continued service to The District. Please call me if you have questions or if I can assist you in any other way.

Yours truly,

THE SUTTON GROUP

John R. Sutton, PE

REGISTERED PROFESSIONAL ENGINEER
JOHN R. SUTTON
LIC. No. 40324
EXP. 12/31/06
CIVIL
STATE OF CALIFORNIA

Attachments:

Copy of email to D Drogos, ACEH dated November 8, 2004

Figure 1	Site Plan
Figure 2	Well Location Plan, Former Gasoline Tank Area
Table 1	Ground Water Elevations, Former Gasoline Tank Area
Table 2	Summary of Current Water Sample Analyses for Gasoline and constituents, Former Gasoline Tank Area
Table 2A	Cumulative Summary of Water Sample Analyses, Gas Tank Area
Table 3	Summary of Current Water Sample Analyses, Metals and Oxygen Demand, Former Gasoline Tank Area
Table 4	Summary of Water Sample Analyses, Former Diesel Tank Area

Analytical Laboratory Reports

Field sampling Reports

Two Copies Sent

One copy sent to Ms. Donna Drogos at Alameda County Health Dept.

From: John R Sutton
To: Donna Drogos
Bcc: Ken Ross; Gene Barry
Date: 11/8/2004 5:03:06 PM
Subject: LOP site # RO0000288, at Oro Loma Sanitary District, San Lorenzo

---

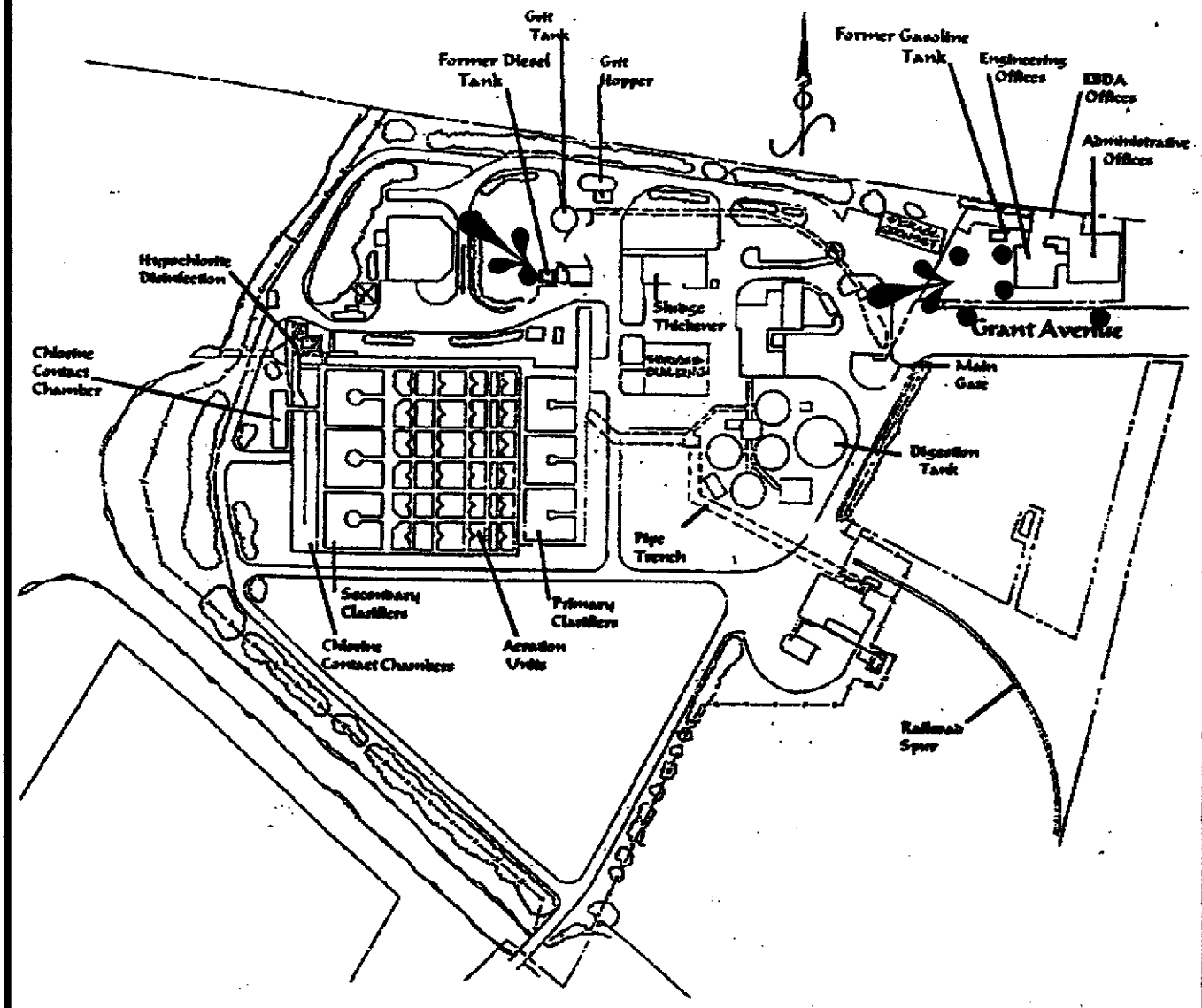
Dear Ms. Drogos:
On behalf of my client, Oro Loma Sanitary District ("the District"), I request a meeting with you. as acting case officer, to discuss the District's plans to remediate the site by ORP injection. The remedial method was determined to be the most expedient and cost effective after having reviewed a number of alternatives. It is the District's desire to begin remediation early in 2005.
The purpose of the meeting is to discuss the proposed remedial process and to discuss the target cleanup levels for the groundwater. Most important to us is to hear and discuss any concerns about the ORP procedure from your agency. This results from a recent telecon I had with former case officer Eva Chua, who, expressed reservations about using the procedure for this site. Thus, before we begin preparing the remedial work plan, we want to hear any concerns your Agency may have.

The best meeting time for the District is the morning, and any but Tuesdays.

We could met at the District's offices at 2600 (foot of) Grant Avenue in San Lorenzo, or at your office.

Please communicate through me by phone or email to schedule the meeting.

John R Sutton
The Sutton Group
3708 Mount Diablo Blvd., Suite 215
Lafayette, CA, 94549
phone 925 284-4208; cell 925 519-8518
johnrsutton@mindspring.com



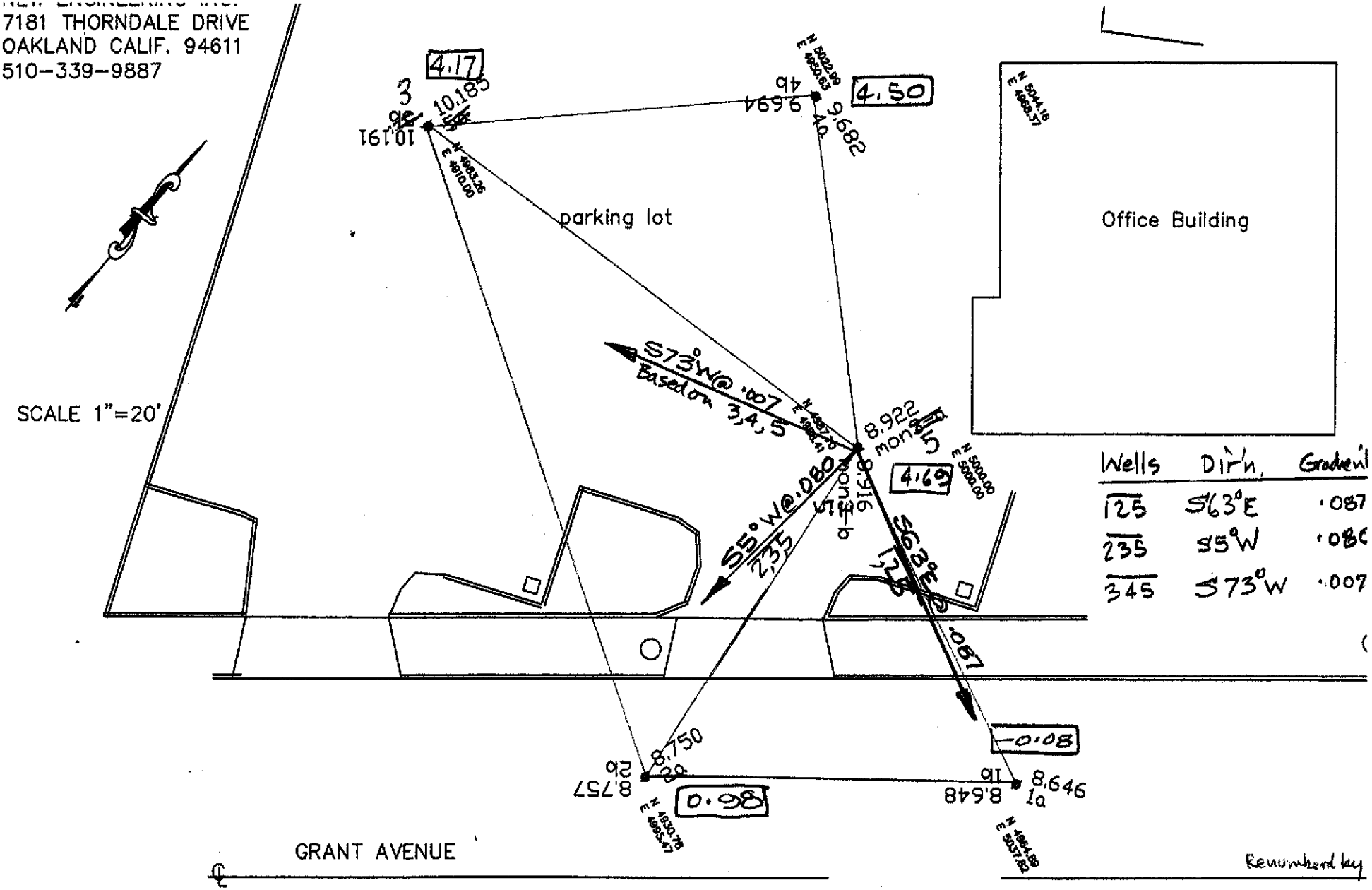
SITE PLAN

● Monitoring Well Location

SCALE 1 IN. TO 250 FEET, APPROX

THE SUTTON GROUP. *3708 Mount Diablo Blvd, Ste 215* *Lafayette, CA, 94549* *925 284-4208*	**SITE PLAN** **ORO LOMA SANITARY DISTRICT** **San Lorenzo, California**	*PROJECT No3022.10* ***FIGURE 1*** 5/21/03

7181 THORNDALE DRIVE
OAKLAND CALIF. 94611
510-339-9887



Wells	Dir'n.	Gradient
125	S63°E	.087
235	S5°W	.080
345	S73°W	.007

note: coordinates given are relative only and not based on state grid ○

ORO LOMA SANITARY DISTRICT

2600 GRANT AVENUE

SAN LORENZO, CA

• monitoring wells (typical of 5)

note: two elevations are given at each well rim.

9m-Offly 10/28/04

TABLE 1
GROUND WATER ELEVATIONS
All measurements are in feet

Monitoring Well ID	**MW 1**	**MW 2**	**MW 3**	**MW 4**	**MW 5**	***Estimated Net***	
Well Cover Rim Elevn*	**8.65**	8.75	10.19	9.68	8.92	***Flow Direction***	***Gradient ft/ft***
Initial Sampling 10/21/02	1.72	2.04	3.21	3.58	2.84	S21°E	0.016
2nd Quarterly 1/28/03	2.23	2.65	4.94	5.35	4.42	S23°E	0.033
3rd Quarterly, 4/28/03	Not Measured	3.18	Not Measured	5.80	5.20	S22½°W	0.042
4th Quarterly, 7/25/03	0.45	2.35	3.44	3.58	3.52	S18°W	0.027
5th Quarterly, 10/30/03	1.82	2.75	3.61	4.18	4.09	S26°E	0.014
6th Quarterly, 1/23/04	2.20	3.27	5.27	5.47	5.17	S35°E	0.053
7th Quarterly, 4/27/2004	2.35	3.55	4.99	5.08	4.92	S17°E	0.017
8th Quarterly, 7/29/2004	1.55	2.43	3.77	4.11	4.14	S52°W	0.006
9th Quarterly, 10/28/2004							
Groundwater Depth	8.73	7.77	6.02	5.18	4.23		
Groundwater Elevation	**-0.08**	**0.98**	**4.17**	**4.50**	**4.69**	**S63°E**	**0.087**
Change Since last reading	-2.43	-2.57	-0.82	-0.58	-0.23	Alt: S5°W	0.08
Change since same Qtr, last year	1.90	1.77	0.56	0.32	0.60	Alt: S73°W	0.007

* Basis of elevations, Alameda County bench mark "Grant–Phil" at intersection of Grant Avenue and Phil Drive.
Bench Mark Elevation = 2.175 meters, msl = 7.136 feet.

TABLE 2

SUMMARY OF GROUND WATER SAMPLE ANALYSES

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE

EPA METHOD 8015Cm /8021
results in µg/l (ppb)

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE	DILUTION FACTOR
MW-1	10/28/04	NA	NA	NA	NA	NA	NA	- -
MW-2	10/28/04	ND	ND	ND	ND	ND	57	1
MW-3	10/28/04	390	170	0.70	ND	2.4	8.8	1
MW-4	10/28/04	80,000	15,000	7,100	3,500	14,000	ND<1,000	50
MW-5	10/28/04	130,000	23,000	25,000	2,000	9,700	ND < 1,700	330
MW-D 1	10/28/04	*DIESEL*: 58	ND	ND	ND	ND	N A	1
REPORTING LIMITS FOR DF=1		50	0.5	0.5	0.5	0.5	5	

NOTES:

ND Analyte not detected at stated reporting limit
N/A Not analyzed

TABLE 2A

CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
FORMER GASOLINE TANK AREA

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE
results in µg/l (ppb)

Sample Location	*Sample Date*	*Gasoline*	*Benzene*	*Toluene*	*Ethyl Benzene*	*Xylenes (total)*	*MTBE*
MW-1	2/19/99	ND	ND	ND	ND	ND	ND
	5/10/99	ND	ND	ND	ND	ND	ND
	8/30/99	N/A	ND	ND	ND	ND	ND
DUP	11/23/99	ND	ND	ND	ND	ND	ND
	11/23/99	ND	ND	ND	ND	ND	ND
	7/25/03	ND	ND	ND	ND	ND	ND
	10/30/03	N/A	N/A	N/A	N/A	N/A	N/A
	1/23/04	ND	ND	ND	ND	ND	ND
	4/27/04	N/A	N/A	N/A	N/A	N/A	N/A
	7/29/04	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
	10/28/04	**N A**	**N A**	**N A**	**N A**	**N A**	**N A**
MW-2	2/19/99	ND	ND	ND	ND	ND	ND
	5/10/99	ND	ND	ND	ND	ND	ND
	8/30/99	N/A	ND	ND	ND	ND	ND

TABLE 2A, Continued
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE

FORMER GASOLINE TANK AREA

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
	11/23/99	ND	ND	ND	ND	ND	ND
	7/25/03	ND	ND	ND	ND	ND	< 1
	10/30/03	N/A					
	1/23/04	ND	ND	ND	ND	ND	ND
	4/27/04	N/A	N/A	N/A	N/A	N/A	N/A
	7/29/04	ND	ND	ND	ND	ND	ND
	10/28/04	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-3	2/19/99	ND	ND	ND	ND	ND	1.5 [1]
DUP	2/19/99	ND	ND	ND	ND	ND	N/A
	5/10/99	ND	ND	ND	ND	ND	1.5 [2]
	8/30/99	N/A	ND	ND	ND	ND	ND
	11/23/99	ND	ND	[0.69] [3]	[0.58] [3]	[1.3] [3]	ND
	1/6/00	ND	ND	ND	ND	ND	3.1 [4]
DUP	1/6/00	ND	ND	ND	ND	ND	2.6 [4]
TRIP BLANK	2/10-22/99	ND	ND	ND	ND	ND	N/A
	5/8-20/99	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 2A, Continued
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE

FORMER GASOLINE TANK AREA

Sample Location	*Sample Date*	*Gasoline*	*Benzene*	*Toluene*	*Ethyl Benzene*	*Xylenes (total)*	*MTBE*
	8/27-31/99	N/A	N/A	N/A	N/A	N/A	N/A
	7/25/03	ND	ND	ND	ND	ND	1.1
	10/30/03	N/A	N/A	N/A	N/A	N/A	N/A
	1/23/04	N/A	N/A	N/A	N/A	N/A	N/A
	4/27/04	N/A	N/A	N/A	N/A	N/A	N/A
	7/29/04	ND	6.4	ND	ND	ND	8.8
	10/28/04	**390**	**170**	**0.70**	**2,000**	**9700**	**57**
MW-4	10/21/2002	N/A	5,800	6,200	3,500	18,000	140
	1/28/03	N/A	7,200	3,500	2,700	15,000	130
	4/28/03	N/A	5,700	850	ND<120	10,000	200
	7/25/03	97,000	11,000	8,400	4,900	24,000	ND<250
	10/30/03	77,000	12,000	9,300	3,200	16,000	ND < 200
	1/23/04	100,000	16,000	10,000	1,100	19,000	ND < 1,200
	4/27/04	78,000	13,000	7,800	3,200	17,000	ND < 1,000
	7/29/2004	46,000	8,300	2,100	2,000	7,900	ND<500
	10/28/04	**80,000**	**15,000**	**7,100**	**3,500**	**14,000**	**ND<1,000**

TABLE 2A, Continued
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE

FORMER GASOLINE TANK AREA

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
MW-5	10/21/2002	65,000	12,000*	20,000*	1,600*	7,100*	ND<100
	1/28/03	N/A	9,100	6,600	720	4,000	ND<100
	4/28/03	N/A	12,000	8,300	ND<250	2,100	ND<250
	7/25/03	62,000	13,000	14,000	1,300	5,200	ND<250
	10/30/03	33,000	7,500	2,200	490	1,600	ND < 100
	1/23/04	97,000	18,000	20,000	ND<120	7,900	ND < 1,200
	4/27/04	39,000	12,000	11,000	920	4,300	ND < 1,000
	7/29/04	47,000	11,000	5,500	690	2,800	ND < 1,000
	10/28/04	**130,000**	**23,000**	**25,000**	**2,000**	**9,700**	**ND< 1,700**

NOTES:

ND Analyte not detected at stated reporting limit
N/A Not analyzed
u/n Unless noted otherwise (Reporting Limit)

1. Analyzed by EPA method 8260B, reporting limit was 1 µg/l.
2. Estimated value below method reporting limit of 2 µg/l.
3. Inconsistent contaminant pattern. Sample result spurious, re-sampled
4. Reporting limit at 2.5 µg/l.

TABLE 4

SUMMARY OF WATER SAMPLE ANALYSES:

FORMER DIESEL TANK AREA MONITORING WELL

TOTAL PETROLEUM HYDROCARBONS AS DIESEL,

EPA METHOD 8015C, 8021

RESULTS IN µg/L (ppb)

Sample Date	*TPH as DIESEL*	*BTEX*
10/28/04	58	ND
7/29/04	ND<50	ND
4/27/04	110	< 0.91
1/23/04	71	ND
10/30/03	87	ND
7/25/03	90*	ND*
4/28/2003	87	ND
3/ 8/1996	340	ND
2/1/95	380	ND
6/15/94	170	ND
3/15/94	200	ND
12/1/93	300	ND

For reporting limits refer to table 2 and laboratory certificates appended.

TABLE 3

SUMMARY OF GROUND WATER SAMPLE ANALYSES

SELECTED METALS (DISSOLVED) AND OXYGEN DEMAND

METALS: EPA Method E200.8 results in µg/l (ppb)

BOD: Std Method 5210B results in mg/l (ppm)

COD: Std Method 5220D results in mg/l (ppm)

SAMPLE LOCATION	SAMPLE DATE	IRON	MANGANESE	BOD	COD			DILUTION FACTOR
MW-1	10/28/04	N A	N A	N A	N A	- -	-	- -
MW-2	10/28/04	18,000	5,000	ND	150	-	-	1
MW-3	10/28/04	44,000	6,900	ND	150	-	-	1
MW-4	10/28/04	25,000	6,700	72	380	-	-	1
MW-5	10/28/04	10,000	2,600	68	330	-	-	1
MW-D 1	10/28/04	N A	N A	N A	N A	-	-	- -
REPORTING LIMITS FOR DF=1		.05	**.05**	1	1	-	-	

TABLE 4

SUMMARY OF WATER SAMPLE ANALYSES:

FORMER DIESEL TANK AREA MONITORING WELL

TOTAL PETROLEUM HYDROCARBONS AS DIESEL,

EPA METHOD 8015C, 8021

RESULTS IN µg/L (ppb)

Sample Date	*TPH as DIESEL*	*BTEX*
10/28/04	58	ND
7/29/04	ND<50	ND
4/27/04	110	< 0.91
1/23/04	71	ND
10/30/03	87	ND
7/25/03	90*	ND*
4/28/2003	87	ND
3/ 8/1996	340	ND
2/1/95	380	ND
6/15/94	170	ND
3/15/94	200	ND
12/1/93	300	ND

For reporting limits refer to table 2 and laboratory certificates appended.

McCampbell Analytical, Inc.

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

The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #3022.10	Date Sampled: 10/28/04
		Date Received: 10/29/04
	Client Contact: John Sutton	Date Reported: 11/05/04
	Client P.O.:	Date Completed: 11/05/04

WorkOrder: 0410467

November 05, 2004

Dear John:

Enclosed are:

1). the results of **5** analyzed samples from your **#3022.10 project,**

2). a QC report for the above samples

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

4). a bill for analytical services.

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

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

The Sutton Group	Client Project ID: #3022.10	Date Sampled: 10/28/04
3708 Mt. Diablo Blvd, Ste. 215		Date Received: 10/29/04
Lafayette, CA 94549	Client Contact: John Sutton	Date Extracted: 11/02/04-11/04/04
	Client P.O.:	Date Analyzed: 11/02/04-11/04/04

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0410467

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-2	W	ND	ND	ND	ND	ND	ND	1	104
002A	MW-3	W	390,a	57	170	0.70	ND	2.4	1	106
003A	MW-5	W	130,000,a	ND<1700	23,000	25,000	2000	9700	330	104
004A	MW-4	W	80,000,a	ND<1000	15,000	7100	3500	14,000	50	118
005A	MW-D1	W	—	—	ND	ND	ND	ND	1	102

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #3022.10	Date Sampled: 10/28/04
		Date Received: 10/29/04
	Client Contact: John Sutton	Date Extracted: 10/29/04
	Client P.O.:	Date Analyzed: 11/02/04

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

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0410467

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0410467-005B	MW-D1	W	58,b	1	96.0

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

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.

+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) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

The Sutton Group	Client Project ID: #3022.10	Date Sampled: 10/28/04
3708 Mt. Diablo Blvd, Ste. 215		Date Received: 10/29/04
Lafayette, CA 94549	Client Contact: John Sutton	Date Extracted: 10/29/04-11/03/04
	Client P.O.:	Date Analyzed: 11/04/04

Biochemical Oxygen Demand*

Analytical Method: SM5210B

Work Order: 0410467

Lab ID	Client ID	Matrix	BOD	DF
0410467-001B	MW-2	W	ND	1
0410467-002B	MW-3	W	ND	1
0410467-003B	MW-5	W	72	5
0410467-004B	MW-4	W	68	5

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	4.0 mg/L	
	S	NA	

* water samples are reported in mg/L.

i) liquid sample that contains greater than ~1 vol. % sediment.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #3022.10	Date Sampled: 10/28/04
		Date Received: 10/29/04
	Client Contact: John Sutton	Date Extracted: 11/02/04
	Client P.O.:	Date Analyzed: 11/02/04

Chemical Oxygen Demand (COD)*

Analytical Method: SM5220D — Work Order: 0410467

Lab ID	Client ID	Matrix	COD	DF
0410467-001B	MW-2	W	150	1
0410467-002B	MW-3	W	150	1
0410467-003B	MW-5	W	380	1
0410467-004B	MW-4	W	330	1

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	10 mg/L	
	S	NA	

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

The Sutton Group	Client Project ID: #3022.10	Date Sampled: 10/28/04
3708 Mt. Diablo Blvd, Ste. 215		Date Received: 10/29/04
Lafayette, CA 94549	Client Contact: John Sutton	Date Extracted: 10/29/04
	Client P.O.:	Date Analyzed: 10/30/04-11/02/04

Metals*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 0410467

Lab ID	Client ID	Matrix	Extraction	Iron	Manganese	DF	% SS
001C	MW-2	W	DISS.	18,000	5000	1	N/A
002C	MW-3	W	DISS.	44,000	6900	1	N/A
003C	MW-5	W	DISS.	10,000	2600	1	N/A
004C	MW-4	W	DISS.	25,000	6700	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	DISS.	0.05	0.05	µg/L
	S	TTLC	NA	NA	NA

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

means surrogate recovery outside of acceptance range due to matrix interference; & means surrogate diluted out of acceptance range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) liquid sample that contains greater than ~1 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0410467

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13758 Spiked Sample ID: 0410468-001A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	80.8	98.4	19.7	81.6	84.3	3.24	70	130
MTBE	ND	10	103	100	2.63	94	95.6	1.67	70	130
Benzene	ND	10	104	102	1.37	86.7	87.8	1.27	70	130
Toluene	ND	10	101	99.5	1.19	87.8	88.8	1.12	70	130
Ethylbenzene	ND	10	102	102	0	89	90.4	1.57	70	130
Xylenes	ND	30	90.7	90.3	0.368	89.7	90.3	0.741	70	130
%SS:	98.0	10	107	106	1.19	96	95	1.24	70	130

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

NONE

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0410467

EPA Method: SW8015C Extraction: SW3510C BatchID: 13757 Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	94.4	94.2	0.248	70	130
%SS:	N/A	2500	N/A	N/A	N/A	84	83	0.936	70	130

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

NONE

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

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

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

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

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

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0410467

EPA Method: E200.8 Extraction: E200.8 BatchID: 13711 Spiked Sample ID: 0410465-001A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Iron	27.8	50	99.2	101	1.33	107	107	0	85	115
Manganese	84.9	50	85	86.4	0.548	106	104	1.03	82	115
%SS:	117	750	107	107	0	103	102	1.40	85	115

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

NONE

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

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

* Acceptance Criteria for MS / MSD is between 70% and 130%. MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

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

QA/QC Officer

DHS Certification No. 1644

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SM5220D

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0410467

EPA Method: SM5220D Extraction: SM2320B BatchID: 13767 Spiked Sample ID: 0410467-001B

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
COD	150	400	87.1	89.5	1.93	95	94.4	0.643	80	120

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

NONE

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

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

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

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

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

DHS Certification No. 1644

QA/QC Officer

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0410467 **ClientID: TSG**

Report to:
John Sutton
The Sutton Group
3708 Mt. Diablo Blvd, Ste. 215
Lafayette, CA 94549

TEL: 925-284-4208
FAX: 925-284-4189
ProjectNo: #3022.10
PO:

Bill to:
Accounts Payable
The Sutton Group
3708 Mt. Diablo Blvd, Ste. 215
Lafayette, CA 94549

Requested TAT: 5 days

Date Received: 9:23 PM
Date Printed: 10/29/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0410467-001	MW-2	Water	10/28/04 9:30:00	☐	B	B	C	A											
0410467-002	MW-3	Water	10/28/04 10:40:00	☐	B	B	C	A											
0410467-003	MW-5	Water	10/28/04 11:55:00	☐	B	B	C	A											
0410467-004	MW-4	Water	10/28/04 1:00:00	☐	B	B	C	A											
0410467-005	MW-D1	Water	10/28/04 2:00:00	☐				A	B										

Test Legend:

1	BOD_W	2	COD_W	3	FEMNMS_DISS	4	G-MBTEX_W	5	TPH(D)_W
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF BTS # 041028-MW1

CLIENT: The Sutton Group

SITE: 2600 Grant Ave.
San Lorenzo, CA

LAB: McCampbell | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice and Report to : The Sutton Group
Attn: John Sutton Job# 3022.10
email results "non-certified" as "pdf" to:
johnrsutton@mindspring.com
SHORT HOLD TIME SAMPLES

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH-G / BTEX / MTBE	BTEX	TPH-D	Dissolved Fe & Mn (Field Filtered)	BOD (48 hr. Hold time)	COD	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
+ MW-2	10/28/04	0930	W	8		X			X	X	X				
+ MW-3	10/28/04	1040	W			X			X	X	X				
+ MW-5	10/28/04	1155	W			X			X	X	X				
+ MW-4	10/28/04	1300	W			X			X	X	X				
+ MW-D1	10/28/04	1400	W	5			X	X							

ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
PRESERVATION ✓ VOAS | ORG | METALS | OTHER

SAMPLING COMPLETED	DATE	TIME
	10/28/04	1430

SAMPLING PERFORMED BY: John DeJong

RESULTS NEEDED NO LATER THAN: Standard TAT

		DATE	TIME		DATE	TIME
RELEASED BY		10/28/04	2:45	RECEIVED BY		
RELEASED BY				RECEIVED BY	10/29/04	2:45
RELEASED BY		10/29/04	4:10 pm	RECEIVED BY	10/29/04	4pm

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME				PROJECT NUMBER			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556 MPS	01F0619	10/28/04/0700	DI 100%	99.9%		19.8	AM
			pH 4 7 10	4.01 7.00 9.96		19.8	AM
~~Turbidimeter~~			cond 3900 us	3952		19.8	AM
			orp 237	237		20.1	AM
turbidimeter	5/16 02/1000 2899E	10/28/04 0700	51.3 500	reading 55.1 521	10%	—	AM

WELL GAUGING DATA

Project # 041028-MD1 Date 10/28/04 Client Sutton group

Site 2600 Grant Ave, San Lorenzo

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW1	4					8.89	—		
MW-1	2					8.73	—		
MW-2	2					7.77	15.51		
MW-3	2					6.02	—		
MW-4	2	odor/sheen				5.18	—		
MW-5	2	odor				4.23	—	↓	
			① Bailer in well				Unable		
			to gauge DTB						

WELLHEAD INSPECTION CHECKLIST

Date 10/28/04 Client Golton Group

Site Address 2600 Grant Ave, San Lorenzo

Job Number 041028-MD1 / Technician MM

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock ~~Replaced~~ OK if missing	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1	✓					X		
MW-2	✓					X		
MW-3	✓					X		
MW-4	✓					X		
MW-5	✓					X		
MW-D1	✓					X		

NOTES:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 041028-MM01	Client: The Sutton Group © 2600 Grand Ave
Sampler: MM	Start Date: 10/28/04
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.51	Depth to Water Pre: 7.77 Post: 11.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556 MPS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____
Flow Rate: ~ 250 ml/min Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
0903	21.95	7.26	8940	40	0.27	-191.8	1000ml	cloudy
0906	22.12	7.18	8681	30	0.30	-192.2	2000ml	cloudy
0909	22.22	7.19	8559	31	0.23	-191.9	3000ml	"
0912	22.30	7.14	8680	29	0.21	-193.6	3800ml	"
0915	22.37	7.15	8839	27	0.22	-195.6	4600ml	"
0918	22.36	7.17	8880	29	0.21	-197.0	5400ml	"
0921	22.31	7.17	8893	27	0.20	-196.3	6200ml	"
0924	22.31	7.17	8887	26	0.21	-195.3	7000ml	cloudy

Did well dewater? Yes (No) Amount actually evacuated: 7000ml
Sampling Time: 0930 Sampling Date: 10/28/04
Sample I.D.: MW-2 Laboratory: McCampbell
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See Scope
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 041028-MM1	Client: Sutton Group @ 2600 Grant Ave.
Sampler: MM	Start Date: 10/28/04
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: ~~17.6~~ Bailer 14well	Depth to Water Pre: 6.02 Post: 6.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556 MPS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___
Flow Rate: 150ml/min Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1016	21.92	7.11	6217	39	0.20	-194.6	450ml	cloudy/clear
1019	21.90	7.07	6150	24	0.15	-202.9	750ml	clear
1022	21.66	7.05	6064	21	0.26	-203.0	1050 ml	clear
1025	21.59	7.04	6042	15	0.17	-197.5	1450	"
1028	21.49	7.02	6060	11	0.17	-202.0	1750	"
1031	21.44	7.01	6057	12	0.18	-205.0	2050	"
1034	21.55	7.00	6053	11	0.19	-205.0	2350	"

Did well dewater? Yes (No) Amount actually evacuated: 2350 ml
Sampling Time: 1040 Sampling Date: 10/28/04
Sample I.D.: MW-3 Laboratory: McCampbell
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See Scope
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET Pg 1 of 2

Project #: 041028-MD1	Client: Cotton Group @ 2600 Grant Ave
Sampler: MW	Start Date: 10/28/04
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: Boiler in well	Depth to Water Pre: 5.18 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) (Grade)	Flow Cell Type: YSI 556 MPS

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (C or F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1209	23.45	7.00	24461	27	1.57	-120.7	350 ml	clear, odor
1212	23.45	6.99	23201	8	0.84	-127.7	650 ml	"
1215	23.26	6.97	19503	11	0.48	-145.0	1000 ml	"
1218	23.20	6.98	16955	19	0.40	-153.6	1400 ml	"
1221	23.31	6.99	14066	34	0.23	-164.7	1800 ml	"
1224	23.29	7.00	13292	43	0.22	-169.5	2150 ml	"
1227	23.22	7.00	12395	31	0.19	-172.4	2475 ml	"
1230	23.38	7.02	11440	25	0.16	-177.0	2900 ml	"
1233	23.32	7.02	10949	20	0.16	-178.7	3225 ml	"
1236	23.50	7.01	10722	17	0.17	-179.3	3550 ml	"
1239	23.45	7.02	10094	15	0.16	-181.6	3975 ml	"

Did well dewater? Yes (No) Amount actually evacuated:

Sampling Time: Sampling Date: 10/28/04

Sample I.D.: MW-4 Laboratory: McCampbell

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Scscore

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET Pg 2 of 2

Project #: 041028-MO	Client: Gatton Group @ 2600 Grant Ave
Sampler: MW	Start Date: 10/28/04
Well I.D.: MW-4 Pg 2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth:	Depth to Water Pre: 5.18 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ (Grade)	Flow Cell Type: YSI 556 MPS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing ~~New~~ Tubing Other ___

Flow Rate: ___ Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1242	23.51	7.02	9724	11	0.15	-184.2	4300ml	clear, odor
1245	23.44	7.03	9403	11	0.15	-185.9	4650ml	"
1248	23.12	7.03	9356	10	0.15	-188.2	5000ml	"
1251	23.01	7.03	9315	10	0.14	-188.6	5300ml	"

Did well dewater? Yes (No) Amount actually evacuated: 5300ml

Sampling Time: 1300 Sampling Date: 10/28/04

Sample I.D.: MW-4 Laboratory: MCCampbell

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

Pg 1 of 2

LOW FLOW WELL MONITORING DATA SHEET

Project #: 041026-MM1	Client: Sutton Grp @ 2600 Grant Ave
Sampler: MM	Start Date: 10/28/04
Well I.D.: MW-5	Well Diameter: @ 3 4 6 8 ___
Total Well Depth: Bailer well	Depth to Water Pre: 4.23 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556 MPS

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: Dedicated Tubing (New) Tubing Other ___
Flow Rate: ~150 ml/min Pump Depth: ___

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1102	22.67	7.31	5431	25	0.15	-139.7	325	clear, odor
1105	22.39	7.26	4160	17	0.08	-158.2	750	"
1108	22.83	7.29	3619	21	0.12	-166.2	1100	"
1111	22.94	7.30	3250	14	0.05	-170.5	1450	"
1114	22.75	7.31	2851	13	0.06	-175.9	1800	"
1117	22.54	7.31	2661	12	0.05	-179.0	2125	"
1120	22.61	7.33	2481	11	0.05	-183.2	2475	"
1123	22.47	7.32	2278	11	0.07	-186.6	2775	"
1126	22.73	7.33	7258	12	0.06	-189.7	3125	"
1129	22.74	7.30	2349	11	0.07	-191.9	3550	"
1132	22.93	7.28	2711	1	0.07	-194.6	4000	"

Did well dewater? Yes (No) Amount actually evacuated: —

Sampling Time: Sampling Date: 10/28/04

Sample I.D.: MW-5 Laboratory: McCampbell

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See Scope

Equipment Blank I.D.: @ Time Duplicate I.D.:

Pg 2 of 2

LOW FLOW WELL MONITORING DATA SHEET

Project #: 041028-MD1	Client: Sutton Group 7600 Grant Ave.
Sampler: MD	Start Date: 10/28/04
Well I.D.: MW-5 (Page 2)	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth:	Depth to Water Pre: 4.23 Post: 7.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556 MPS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1135	23.01	7.26	2995	20	0.08	-195.1	4350	clear, odor
1138	23.17	7.22	3174	25	0.08	-195.6	4700	"
1141	23.50	7.20	3814	25	0.09	-187.5	5025	clear, odor
1144	23.68	7.18	3875	27	0.11	-175.7	5400	clear, odor

Did well dewater? Yes (No) Amount actually evacuated: 5400

Sampling Time: 1155 Sampling Date: 10/28/04

Sample I.D.: MW-5 Laboratory: McCampbell

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Ice Scope

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 041028-MM01	Client: Colton Group 2600 Grand Ave
Sampler: MM	Start Date: 10/28/04
Well I.D.: MW-01	Well Diameter: (2) 3 (4) 6 8 ____
Total Well Depth:	Depth to Water Pre: 8.89 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556 MPS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations	D
1315	22.26	7.89	7818	10	0.22	-112.5	325ml	clear, odor	9.
1318	21.64	7.86	7876	6	0.14	-126.9	800 ml	"	9.
1321	21.72	7.83	8104	5	0.10	-135.1	1300ml	"	9.
1324	22.01	7.81	8400	6	0.06	-142.1	1650ml	"	9.
1327	21.87	7.79	8662	5	0.05	-146.3	1950ml	"	9.
1330	21.92	7.79	8912	5	0.06	-150.9	2300 mL	"	9.
1333	22.19	7.78	9125	5	0.05	-153.7	2650 ml	"	9.
1336	22.12	7.78	9399	5	0.05	-156.2	3000	"	9.
1339	22.07	7.78	9562	4	0.04	-158.5	3350	"	9.
1342	22.05	7.78	9770	4	0.05	-160.7	3800	"	9.
1345	22.43	7.78	9921	5	0.05	-167.2	4200	"	9.

Did well dewater? Yes (No) Amount actually evacuated:

Sampling Time: Sampling Date: 10/28/04

Sample I.D.: MW-01-1 MW-01 Laboratory: McCampbell

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See Slope

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 041028-MJ1	Client: Sutton Group @ 2600 Grant Ave
Sampler: MM	Start Date: 10/28/04
Well I.D.: MW-D1	Well Diameter: (2) 3 (4) 6 8 ____
Total Well Depth: Bottom of well	Depth to Water Pre: 8.89 Post: 9.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	Flow Cell Type: YSI 556 MPS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations	DI
1348	22.44	7.78	10115	4	0.05	+170.8	4600 ml	c/clear,odor	9
1351	22.57	7.78	10346	4	0.04	-174.1	5000ml	"	9
1354	22.69	7.79	10418	4	0.05	-175.5	5390ml	"	9

Did well dewater? Yes (No) Amount actually evacuated: 5390

Sampling Time: 1400 Sampling Date: 10/28/04

Sample I.D.: MW-D1 Laboratory: McCampbell

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See Scope

Equipment Blank I.D.: @ Time Duplicate I.D.: