R0288

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THE SUTTON GROUP

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

3708 Mount Diablo Blvd
Suite 215
Lafayette, CA, 94549

February 17, 2005

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

Results of 10th 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 Januaryr 24, 2005. This is the 10th 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, as amended. Gasoline tank area wells were additionally monitored for selected dissolved metals (Fe, Mn) and Oxygen Demand (COD, BOD) to provide a second set of 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 rise over the quarter, which is an effect of seasonal rain. While water levels in MW-1 and -2 remain depressed lower than usual, groundwater elevations in the other three wells approximate the readings of a year earlier. Table 1 is a cumulative tabulation of groundwater data. Figure 2 shows the gradient direction.

Sampling Results

Gasoline Tank Area

On January 24, 2005, water samples were collected from fiver 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. This is the second sampling using the micropurge technique.

All five wells were sounded and then 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. 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. Results of the partial sampling on December 8, 2004, conducted after it was noted that the well covers for MW-1 and MW-2 had been damaged. Following that sampling, which indicated that well integrity had not been compromised, the wellheads for these two wells were reconstructed.

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 77µg/l was similar to the reading last quarter (54µg/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.

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/
CIVIL
STATE OF CALIFORNIA

Attachments:

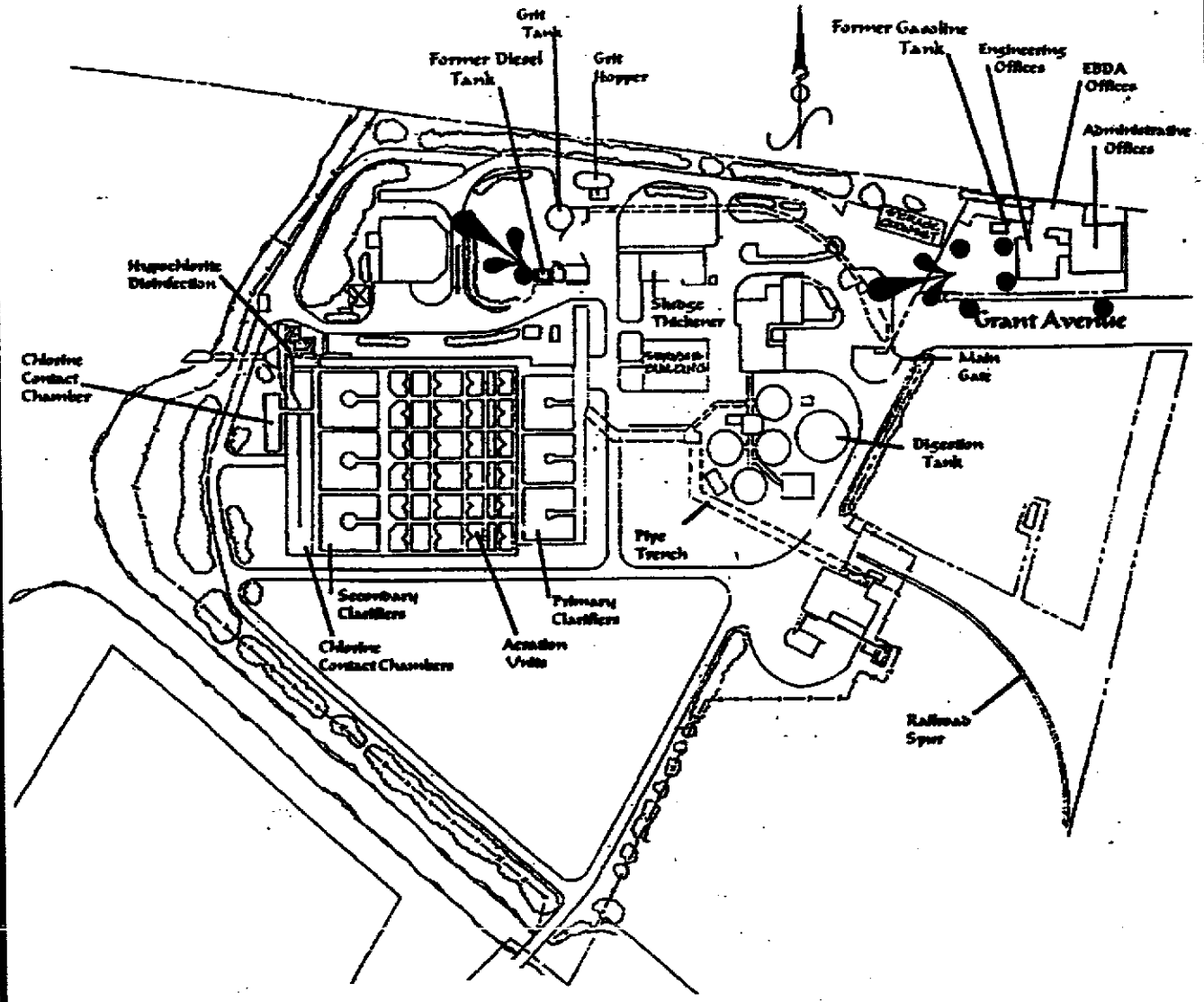
Figure 1	Site Plan
Figure 2	Well Location Plan, Former Gasoline Tank Area
Figure 2A	Gradient calculation sheet
Table 1	Ground Water Elevations, Former Gasoline Tank Area
Table 2	Summary of Current Water Sample Analyses for Gasoline and constituents, Former Gasoline Tank Area
Table 2A	Cumulative Summary 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.

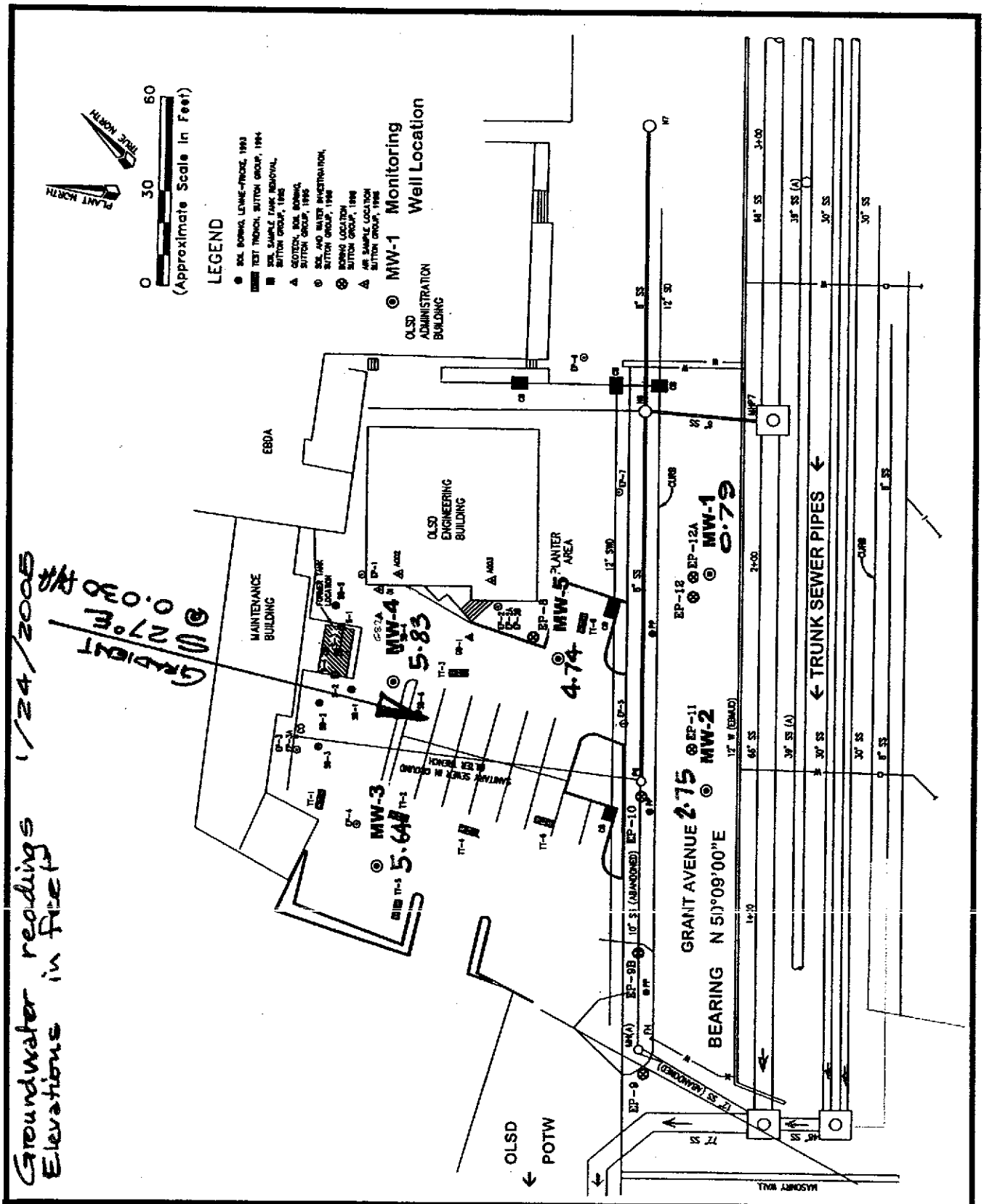


SITE PLAN

● Monitoring Well Location

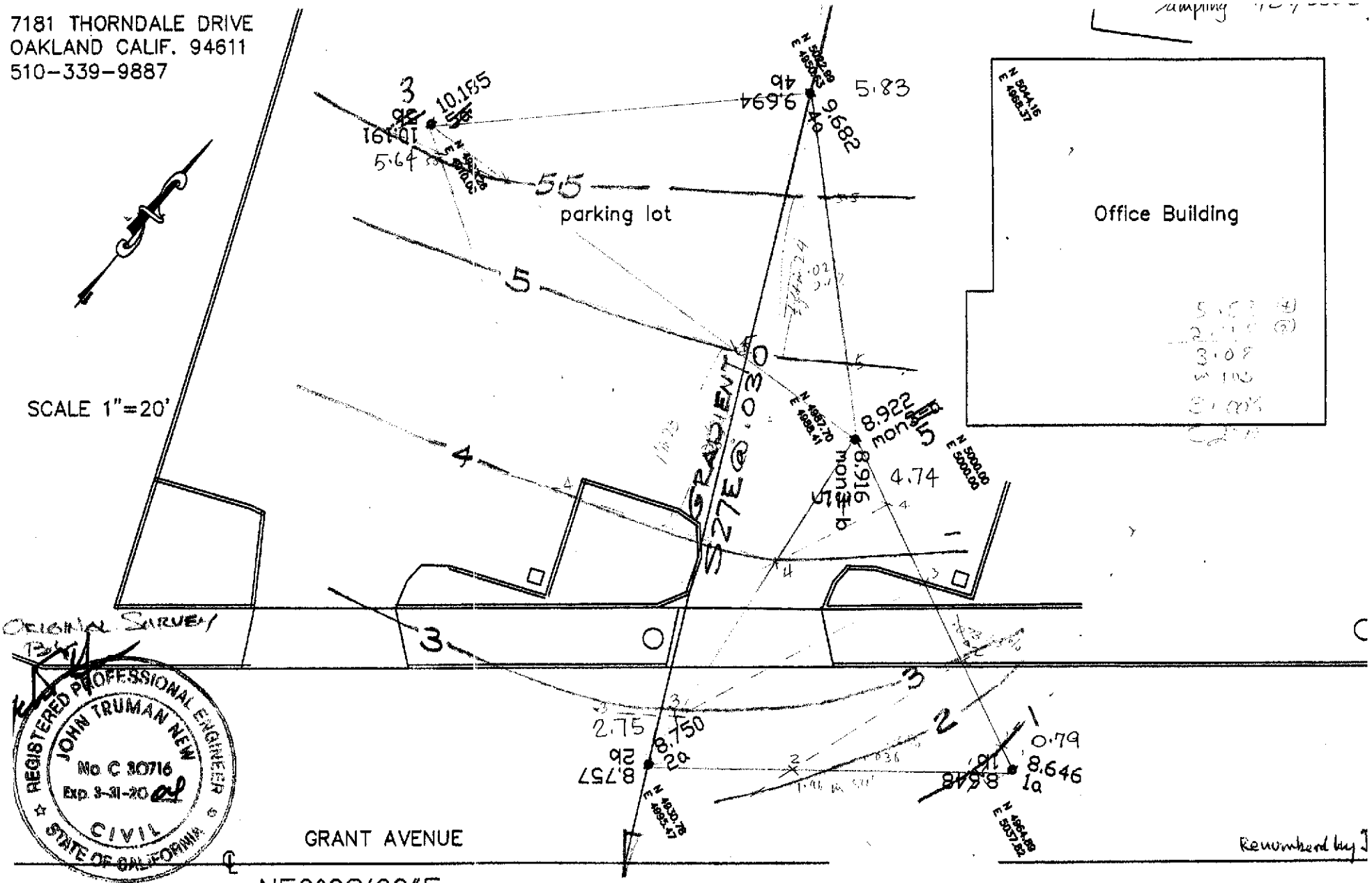
SCALE 1 IN. TO 250 FEET, APPROX

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*



THE SUTTON GROUP *Engineering and Environmental Services* *3708 Mount Diablo Blvd, Suite 215* *Lafayette, California, 94549* *Phone: (925).284-4208* *Fax: (925).284-4189*	***WELL LOCATION PLAN*** *SERVICE CENTER AREA* *ORO LOMA SANITARY DISTRICT* 2600 GRANT AVENUE, SAN LORENZO, CA	*PROJECT No. 3022.10* ***FIGURE 2*** 8/2/03

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



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.

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*
Groundwater Elevation							
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	-0.08	0.98	4.17	4.50	4.69	S63°E	0.087
Special Sampling, 12/8/2004	-0.74	-0.83	Not Meas.	Not Meas.	Not Meas.	Not Meas.	Not Meas.
Current reading on 1/24/2005							
Groundwater Depth	7.86	6.00	4.55	3.85	4.18	**S27°E**	**0.030**
Groundwater Elevation	**0.79**	**2.75**	**5.64**	**5.83**	**4.74**		
Change Since 10/28/2004	0.87	1.77	1.47	1.33	0.05		
Change since same Qtr, last year	-1.41	-2.52	0.37	0.36	-0.43		

* 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	1/24/05	ND	ND	ND	ND	ND	ND	- -
MW-2	1/24/05	ND	ND	ND	ND	ND	9.0	1
MW-3	1/24/05	520	260	0.53	ND	1.94	898	1
MW-4	1/24/05	70,000	9,900	850	3,500	11,000	ND<1,000	200
MW-5	1/24/05	150	22,000	25,000	2,100	12,000	ND < 1,000	200
MW-D 1	1/24/05	DIESEL: 77	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
	11/23/99	ND	ND	ND	ND	ND	ND
DUP	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
MP	**10/28/04**	N A	N A	N A	N A	N A	N A
	12/8/04	ND	ND	ND	ND	ND	ND
MP	**1/24/05**	ND	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*
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
	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
MP	**10/28/04**	ND	ND	ND	ND	ND	ND
	12/8/04	ND	ND	ND	ND	ND	1.5
MP	**1/24/05**	ND	ND	ND	ND	ND	**9.0**
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]

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*
	8/30/99	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
	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
Corrected MP	**10/28/04**	**390**	**170**	**0.70**	**ND**	**2.4**	**57**
	12/8/04	N/A	N/A	N/A	N/A	N/A	N/A
MP	**1/24/05**	**520**	**260**	**0.53**	**ND**	**1.9**	**89**

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-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
MP	**10/28/04**	**80,000**	**15,000**	**7,100**	**3,500**	**14,000**	**ND<1,000**
	12/8/04	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
MP	**1/24/05**	**70.000**	**9,900**	**850**	**2,500**	**11,000**	**ND<1,000**
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

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
MP	10/28/04	130,000	23,000	25,000	2,000	9,700	ND< 1,700
	12/8/04	N/A	N/A	N/A	N/A	N/A	N/A
MP	**1/24/05**	**150,000**	**22,000**	**25,000**	**2,100**	**12,000**	**ND<1,000**

NOTES:

ND	Analyte not detected at stated reporting limit
N/A	Not analyzed
u/n	Unless noted otherwise (Reporting Limit)
MP	Sampling by micro-purge technique

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 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	1/24/05	440	3,800	ND	910	--	-	1
MW-2	1/24/05	20,000	4,300	4.7	120	-	-	1
MW-3	1/24/05	16,000	5,400	4.3	250	-	-	1
MW-4	1/24/05	16,000	4,600	47	310	-	-	1
MW-5	1/24/05	4,600	1,500	66	380	-	-	1
REPORTING LIMITS FOR DF=1		.05	.05	3.0 MG/L	10MG/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*
1/24/05	77	ND
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

INVOICE for ANALYTICAL SERVICES

Project Name: #2600 Grant Ave., San Lorenzo, CA
PO Number: N/A
Date Sampled: 1/24/05
Date Received: 1/25/05

Invoice N°: 0501336

INV DATE: ***January 31, 2005***
Print DATE: *January 31, 2005*

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

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

Description	TAT	Matrix	Qty	Mult	Unit Price	Test Total
Tests:						
Biochemical Oxygen Demand	5 days	Water	5	1	$46.00	$230.00
Chemical Oxygen Demand (COD)	5 days	Water	5	1	$36.00	$180.00
ICP-MS Metals (TTLC)	5 days	Water	5	1	$29.00	$145.00
TPH(d)	5 days	Water	1	1	$50.00	$50.00
TPH(g) + MBTEX	5 days	Water	7	1	$50.00	$350.00
					SubTotal:	$955.00

Invoice Total: $955.00

If paid by**03/03/05** Prompt Pay Invoice Total = $859.50

*** ALL FAXED INVOICES ARE FOR YOUR INFORMATION ONLY - PLEASE PAY OFF ORIGINAL**

Please include the invoice number with your check and remit to Accounts Receivable at the letter head address. MAI also accepts credit card (Visa/Master Card/Discover/American Express) payment. Please call Account Receivable for details on this service.

MAI's EDF charge does not include the EDF charge for subcontracted analyses. The minimum EDF charge per workorder is $25.00. For invoice total greater than $5000.00, EDF will be 2% of the total invoice. The EDF charge for subcontracted analyses will be identical to Subcontractor's fee.

Terms are net 30 days from the invoice date. After this period 1.5% interest per month will be charged. Overdue accounts are responsible for all legal and collection fees. If you have any questions about billing, please contact Accounts Receivable at McCampbell Analytical.

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: #2600 Grant Ave., San Lorenzo, CA	Date Sampled: 01/24/05
		Date Received: 01/25/05
	Client Contact: John Sutton	Date Reported: 01/31/05
	Client P.O.:	Date Completed: 01/31/05

WorkOrder: 0501336

January 31, 2005

Dear John:

Enclosed are:

1). the results of 7 analyzed samples from your **#2600 Grant Ave., San Lorenzo, CA project,**

2). a QC report for the above samples

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

4). a bill for analytical services.

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

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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: #2600 Grant Ave., San Lorenzo, CA	Date Sampled: 01/24/05
		Date Received: 01/25/05
	Client Contact: John Sutton	Date Extracted: 01/28/05
	Client P.O.:	Date Analyzed: 01/28/05

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0501336

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	TB	W	ND	ND	ND	ND	ND	ND	1	116
002A	MW-1	W	ND	ND	ND	ND	ND	ND	1	110
003A	MW-2	W	ND	9.0	ND	ND	ND	ND	1	119
004A	MW-3	W	520,a	89	260	0.53	ND	1.9	1	107
005A	MW-4	W	70,000,a	ND<1000	9900	850	2500	11,000	200	97
006A	MW-5	W	150,000,a	ND<1000	22,000	25,000	2100	12,000	200	94

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.

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Telephone : 925-798-1620 Fax : 925-798-1622
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	Client Contact: John Sutton	Date Extracted: 01/28/05
	Client P.O.:	Date Analyzed: 01/28/05

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0501336

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
007A	MW-DI	W	---	---	ND	ND	ND	ND	1	112

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: #2600 Grant Ave., San Lorenzo, CA	Date Sampled: 01/24/05
		Date Received: 01/25/05
	Client Contact: John Sutton	Date Extracted: 01/25/05
	Client P.O.:	Date Analyzed: 01/27/05

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

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0501336

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0501336-007B	MW-DI	W	77,b	1	108

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.

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The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #2600 Grant Ave., San Lorenzo, CA	Date Sampled: 01/24/05
		Date Received: 01/25/05
	Client Contact: John Sutton	Date Extracted: 01/25/05
	Client P.O.:	Date Analyzed: 01/26/05

Metals*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 0501336

Lab ID	Client ID	Matrix	Extraction	Iron	Manganese	DF	% SS
002B	MW-1	W	DISS.	440	3800	1	N/A
003B	MW-2	W	DISS.	20,000	4300	1	N/A
004B	MW-3	W	DISS.	16,000	5400	1	N/A
005B	MW-4	W	DISS.	16,000	4600	1	N/A
006B	MW-5	W	DISS.	4600	1500	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.

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The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #2600 Grant Ave., San Lorenzo, CA	Date Sampled: 01/24/05
		Date Received: 01/25/05
	Client Contact: John Sutton	Date Extracted: 01/25/05-01/30/05
	Client P.O.:	Date Analyzed: 01/31/05

Biochemical Oxygen Demand*

Analytical Method: SM5210B

Work Order: 0501336

Lab ID	Client ID	Matrix	BOD	DF
0501336-002C	MW-1	W	ND	1
0501336-003C	MW-2	W	4.7	1
0501336-004C	MW-3	W	4.3	1
0501336-005C	MW-4	W	47	5
0501336-006C	MW-5	W	66	5

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	3.0 mg/L
	S	NA

* water samples are reported in mg/L.

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

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The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #2600 Grant Ave., San Lorenzo, CA	Date Sampled: 01/24/05
		Date Received: 01/25/05
	Client Contact: John Sutton	Date Extracted: 01/31/05
	Client P.O.:	Date Analyzed: 01/31/05

Chemical Oxygen Demand (COD)*

Analytical Method: SM5220D

Work Order: 0501336

Lab ID	Client ID	Matrix	COD	DF
0501336-002D	MW-1	W	910	10
0501336-003D	MW-2	W	120	1
0501336-004D	MW-3	W	250	1
0501336-005D	MW-4	W	310	1
0501336-006D	MW-5	W	380	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.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0501336

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 14787 Spiked Sample ID: 0501334-003A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	60	92.4	93.4	1.13	108	99.3	7.92	70 - 130	70 - 130
MTBE	ND	10	109	110	0.679	108	93	15.3	70 - 130	70 - 130
Benzene	ND	10	102	106	3.45	118	103	13.9	70 - 130	70 - 130
Toluene	ND	10	104	107	2.17	113	105	7.34	70 - 130	70 - 130
Ethylbenzene	ND	10	107	110	2.72	117	106	9.51	70 - 130	70 - 130
Xylenes	ND	30	110	110	0	107	107	0	70 - 130	70 - 130
%SS:	108	10	98	100	1.82	113	103	9.60	70 - 130	70 - 130

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

NONE

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.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0501336

EPA Method: SW8015C Extraction: SW3510C BatchID: 14780 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	MS / MSD	LCS / LCSD
TPH(d)	N/A	7500	N/A	N/A	N/A	95.3	94.6	0.703	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	97	96	0.715	N/A	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.

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0501336

EPA Method: E200.8 Extraction: E200.8 BatchID: 14802 Spiked Sample ID: 0501349-002F

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Iron	8100	50	NR	NR	NR	104	114	9.23	75 - 125	85 - 115
Manganese	240	50	NR	NR	NR	106	107	1.41	75 - 125	85 - 115
%SS:	113	750	114	114	0	103	104	1.62	80 - 120	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).

* 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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SM5220D

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0501336

EPA Method: SM5220D Extraction: SM2320B BatchID: 14803 Spiked Sample ID: 0501336-003D

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
COD	116	400	97.5	100	1.93	98.1	96.3	1.90	80 - 120	90 - 110

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: 0501336 **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: #2600 Grant Ave., San Lorenzo, CA
PO:

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

Requested TAT: 5 days
Date Received: 01/25/2005
Date Printed: 01/25/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0501336-001	TB	Water	1/24/05	☐				A											
0501336-002	MW-1	Water	1/24/05 10:15:00	☐	C	D	B	A											
0501336-003	MW-2	Water	1/24/05 10:55:00	☐	C	D	B	A											
0501336-004	MW-3	Water	1/24/05 11:40:00	☐	C	D	B	A											
0501336-005	MW-4	Water	1/24/05 1:45:00 PM	☐	C	D	B	A											
0501336-006	MW-5	Water	1/24/05 12:55:00	☐	C	D	B	A											
0501336-007	MW-DI	Water	1/24/05 2:45:00 PM	☐				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: Rosa Venegas

Comments:

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

BLAINE TECH SERVICES, INC.

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

CHAIN OF BTS # 050124-MT1

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 (8015/8020)	BTEX (8020)	TPH-D	Dissolved Fe & Mn (Field Filtered)	BOD (48 hr. Hold time)	COD	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB	1/24/05	—	W	1	40ml		X						"Hold"			
(5) MW-1		1015		7	Mixed		X			X	X	X				
(6) MW-2		1055		7			X			X	X	X				
(7) MW-3		1140		7			X			X	X	X				
(8) MW-4		1345		7			X			X	X	X				
(9) MW-5		1255		7			X			X	X	X				
(10) MW-D1		1445		5				X	X							

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

PRESERVATION	VOAS	O&G	METALS	OTHER

SAMPLING COMPLETED: DATE 1/24/05 TIME
SAMPLING PERFORMED BY: Michael Toll

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	1/25/05	320		1/25/05	320
	1/25/05	500			

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

WELLHEAD INSPECTION CHECKLIST

Date 1/24/05 Client The Sutton Group

Site Address 2600 Grant Ave., San Lorenzo

Job Number 050124-MT1 Technician MT

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1							A	
MW-2							A	
MW-3							A	
MW-4							A, B	
MW-5							A, B	
MW-DI							A, B	

NOTES: A = No Lock / Locks recommended. B = Cap's Due for Replacement Rubber isn't functioning properly.

WELL GAUGING DATA

Project # 050124-MT1 Date 1/24/05 Client The Sutton Group

Site 2600 Grant Ave., San Lorenzo, CA

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	
MW-1	2					7.86	11.93		
MW-2	2					6.00	15.22		
MW-3	2					4.55	15.20		
MW-4	2					3.95	13.60		
MW-5	2	Odor				4.19	13.60		
MW-D1	4					8.10	14.00		

WELL MONITORING DATA SHEET

Project #: 050124-MT1	Client: THE SUTTON GROUP @ ORO LOMA SANITARY
Sampler: M.TOLL	Start Date: 1/24/05
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 11.98	Depth to Water Pre: 7.86 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: Dedicated Tubing (New Tubing) Other ____

Flow Rate: 150 ml Pump Depth: 11.5'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW Observations
0954	20.11	6.95	59,699	70.1	1.27	-231	450	8.10 SHEEN
0957	19.85	6.86	58,990	30.3	0.90	-240	900	7.99 "
1000	19.83	6.87	58,440	20.2	0.87	-244	1350	7.99 "
1003	19.80	6.89	57,843	20.1	0.85	-246	1800	7.99 "

Did well dewater? Yes (No) Amount actually evacuated: 1800 ml

Sampling Time: 1015 Sampling Date: 1/24/05

Sample I.D.: MW-1 Laboratory: MC Campbell

Analyzed for: TPH-G BTEX MTBE TPH-D Other: REFER TO COC

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

WELL MONITORING DATA SHEET

Project #: 050124-MT1	Client: THE SUTTON GROUP @ ORO LOMA SANITARY
Sampler: M.TOLL	Start Date: 1/24/05
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.22	Depth to Water Pre: 6.00 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: Dedicated Tubing (New Tubing) Other ____

Flow Rate: 150 ml/ Pump Depth: 12A.75

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	DTW Observations
1033	20.04	7.41	5570	21.2	0.70	-192	450	6.30
1036	20.02	7.39	5537	15.3	0.67	-192	900	6.40
1039	19.52	7.37	5159	12.0	0.41	-192	1350	6.44
1042	19.66	7.36	5099	11.7	0.40	-190	1800	6.45
1045	19.63	7.37	5080	10.1	0.40	-191	2250	6.45

Did well dewater? Yes (No) Amount actually evacuated: 2250 ml

Sampling Time: 1055 Sampling Date: 1/24/05

Sample I.D.: MW-2 Laboratory: MC Campbell

Analyzed for: TPH-G BTEX MTBE TPH-D Other: REFER TO COC

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

WELL MONITORING DATA SHEET

Project #: 050124-MT1	Client: THE SUTTON GROUP @ ORO LOMA SANITARY
Sampler: M.Toll	Start Date: 1/24/05
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.20	Depth to Water Pre: 4.55 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____
Flow Rate: 150ml | Pump Depth: 2 14.75'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	PID Observations
1120	19.55	7.09	20,126	30.7	0.57	-141	450	5.00
1123	19.49	7.06	19,230	17.3	0.35	-152	900	5.01
1126	19.14	7.08	17,638	11.0	0.32	-162	1350	5.03
1129	19.08	7.09	17,000	11.3	0.29	-172	1800	5.00
1132	19.17	7.10	18,125	12.0	0.22	-172	2250	5.02
* Removed Disp. Bailer in well								

Did well dewater? Yes (No) | Amount actually evacuated: 2250 ml
Sampling Time: 1140 | Sampling Date: 1/24/05
Sample I.D.: MW-3 | Laboratory: MCCampbell
Analyzed for: TPH-G BTEX MTBE TPH-D | Other: REFER TO COC
Equipment Blank I.D.: @ Time | Duplicate I.D.:

WELL MONITORING DATA SHEET

Project #: 050124-MT1	Client: THE SUTTON GROUP @ ORO LOMA SANITARY
Sampler: M.Toll	Start Date: 1/24/05
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.60	Depth to Water Pre: 3.85 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

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))	DTW Observations	
1314	19.60	7.04	19,940	26.1	0.34	-165	450	4.10	Odor
1317	19.51	7.01	16,126	20.7	0.23	-165	900	4.10	"
1320	19.23	7.03	11,100	12.3	0.17	-167	1350	4.10	"
1323	19.12	7.05	9,730	10.7	0.16	-169	1800	4.10	"
1326	18.97	7.05	7721	9.91	0.15	-170	2250	4.09	"
1329	18.90	7.06	7700	8.99	0.15	-170	2700	4.10	"
1332	18.88	7.07	7540	11.0	0.12	-172	3150	4.08	"

* Removed Disp. Bailer from well.
* No Sheen detected. Strong fuel odor

Did well dewater? Yes (No) Amount actually evacuated: 3150 ml

Sampling Time: 1345 Sampling Date: 1/24/05

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: REFER TO COC

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

WELL MONITORING DATA SHEET

Project #: 050124-MT1	Client: THE SUTTON GROUP @ ORO LOMA SANITARY
Sampler: M.Toll	Start Date: 1/24/05
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 13.60	Depth to Water Pre: 4.13 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___
Flow Rate: 150ml Pump Depth: ~ 13'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW Observations	
1224	19.03	7.19	23~~887~~	21.6	0.33	-192	450	4.70	Odor
1227	18.72	7.17	26,454	17.0	0.19	-197	900	4.76	"
1230	18.56	7.13	22,593	12.3	0.13	-217	1350	4.77	"
1233	18.63	7.13	21,136	11.0	0.12	-224	1800	4.75	"
1236	18.70	7.16	17,920	10.7	0.10	-231	2250	4.74	"
1239	18.71	7.19	17,980	9.23	0.08	-247	~~MW-4~~ 2700	4.74	"
1242	18.71	7.20	17,702	8.99	0.09	-251	3150	4.73	"

* Removed Disp. Bailer from well
* No sheen detected in well. Strong fuel odor.

Did well dewater? Yes (No) Amount actually evacuated: 3150ml
Sampling Time: 1255 Sampling Date: 1/24/05
Sample I.D.: MW-5 Laboratory: MCCampbell
Analyzed for: TPH-G BTEX MTBE TPH-D Other: REFER TO COC
Equipment Blank I.D.: @ Time Duplicate I.D.:

WELL MONITORING DATA SHEET

Project #: 050124-MT1	Client: THE SUTTON GROUP @ ORO LOMA SANITARY
Sampler: M.Toll	Start Date: 1/24/05
Well I.D.: MW-D1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 14.00	Depth to Water Pre: 8.10 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: Dedicated Tubing (New Tubing) Other ____

Flow Rate: 500ml Pump Depth: ~13'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW Observations
1422	19.29	7.70	4623	17.3	0.19	-193	1500	8.15
1425	18.81	7.74	4594	10.0	0.10	-197	3000	8.11
1428	18.80	7.74	4790	8.21	0.09	-201	4500	8.12
1431	18.80	7.74	4799	8.00	0.08	-207	6000	8.12
1433	18.81	7.74	4802	8.99	0.08	-223	7500	8.13

Did well dewater? Yes (No) Amount actually evacuated: 7500ml

Sampling Time: 1445 Sampling Date: 1/24/05

Sample I.D.: MW-D1 Laboratory: MC Campbell

Analyzed for: TPH-G BTEX MTBE TPH-D Other: REFER TO COC

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