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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

May 9, 2005

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

Results of 11th 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 April 28, 2005. This is the 11th 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 Figure 2A is the calculation sheet for the results summarized on Figure 2. 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 dynamic situation over the quarter, which is probably an effect of unusually late seasonal rain. While water levels in the offsite wells MW-1 and -2 both rose, groundwater elevations in the three onsite wells fell as much as 1.3 feet but they approximate the readings of a year earlier. Table 1 is a cumulative tabulation of groundwater data. Figure 2 shows the gradient direction as calculated on Figure 2A..

Sampling Results

Gasoline Tank Area

On April 28, 2005, water samples were collected from the three onsite wells in accordance with the approved work plan. The samples were collected by the original bailing 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.

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 using a bailer, and analyzed for TPH as diesel and BTEX. The presence of 70µg/l was similar to the reading last quarter (77µg/l) and substantially lower than the initial 1996 reading. Table 4D 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

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

John R. Sutton, PE

Attachments:

Figure 1	Site Plan
Figure 2	Well Location Plan, Former Gasoline Tank Area
Figure 2A	Gradient calculation sheet

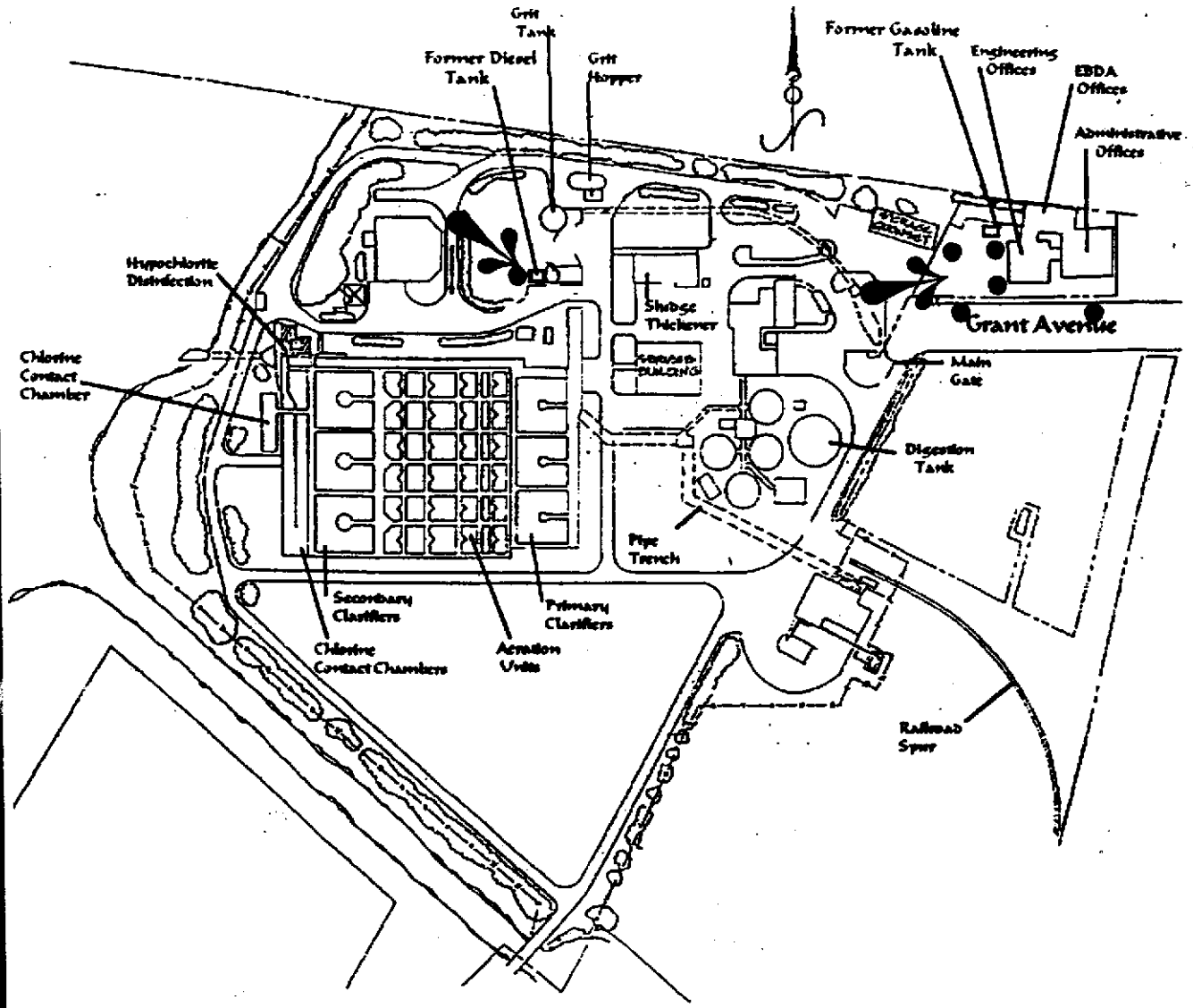
continued over.....

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 (McCampbell)

Field sampling Reports (Blaine Tech)

Copy sent to Ms. Donna Drogos at Alameda County Health Dept.

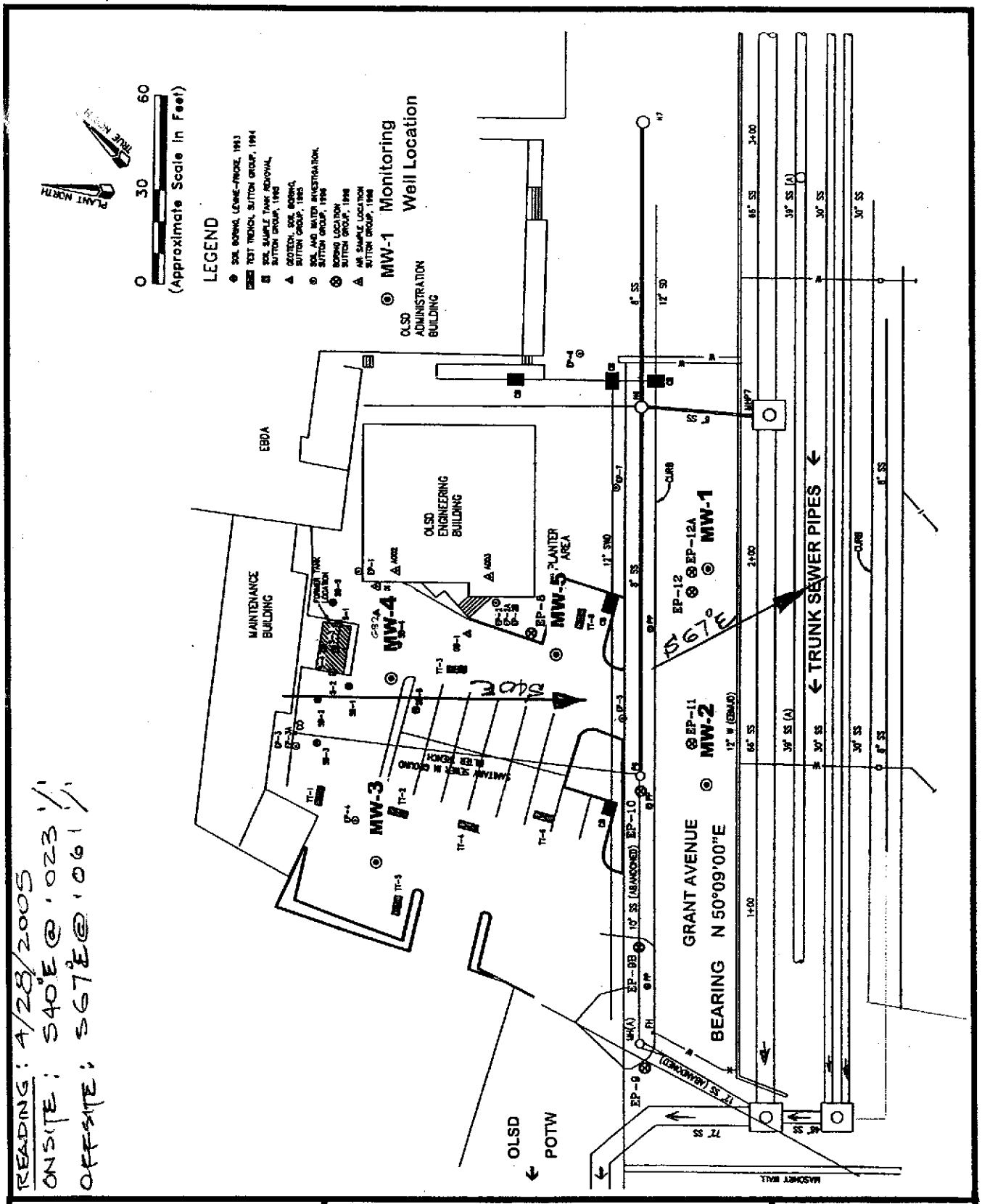


SITE PLAN

● 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

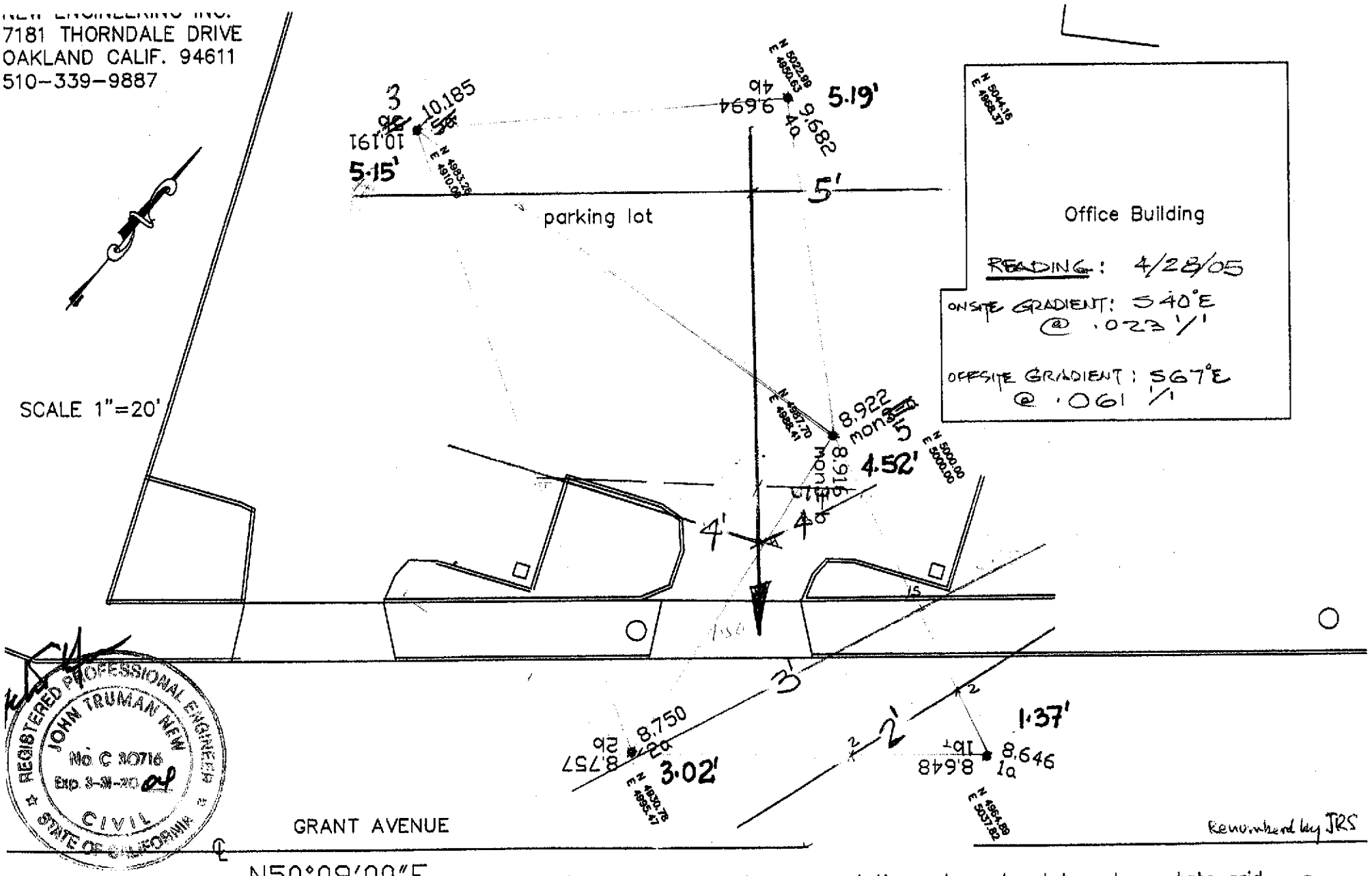


READING: 4/28/2005
ONSITE: S40°E @ .023'/'
OFFSITE: S67°E @ .061'/'

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

3022.10 Qtly Plan Fig 2

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



REGISTERED PROFESSIONAL ENGINEER
JOHN TRUMAN NEW
No. C 30716
Exp. 3-31-2006
CIVIL
STATE OF CALIFORNIA

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.
10th Quarterly, 1/24/2005	0.79	2.75	5.64	5.83	4.74	S27°E	0.030
Current reading on 4/28/2005							
Groundwater Depth	7.28	5.73	5.04	4.49	4.4		
Groundwater Elevation	**1.37**	**3.02**	**5.15**	**5.19**	**4.52**	**S40°E**	**0.023**
Change Since 1/24/2005	0.58	2.98	-0.60	-1.34	-0.34		
Change since same Qtr, last year	-0.86	0.37	0.21	-0.16	0.10		

* 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	4/28/05	N/A	N/A	N/A	N/A	N/A	N/A	- -
MW-2	4/28/05	N/A	N/A	N/A	N/A	N/A	N/A	1
MW-3	4/28/05	220	110	ND	ND	.63	54	1
MW-4	4/28/05	79,000	9,400	690	4000	16,000	ND<900	100
MW-5	4/28/05	89,000	18,000	11,000	1,600	8,900	ND < 500	100
MW-D 1	4/28/05	*DIESEL*: 70	ND	ND	ND	ND	N A	1
TRIP BLANK	4/28/05	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	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
	4/28/05	**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
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**
	4/28/05	**N A**	**N A**	**N A**	**N A**	**N A**	**N A**
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
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**
	4/28/05	**220**	**110**	**ND**	**ND**	**.63**	**54**

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**
	4/28/05	**79,000**	**9,400**	**690**	**4000**	**16,000**	**ND<900**
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

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
	7/29/04	47,000	11,000	5,500	690	2,800	ND < 1,000
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**
	4/28/05	**89,000**	**18,000**	**11,000**	**1,600**	**8,900**	**ND < 500**

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	4/28/05					-	-	1
MW-2	4/28/05					-		1
MW-3	4/28/05				-No samples collected, no analysis for these analytes.	-		1
MW-4	4/28/05					-		1
MW-5	4/28/05					-		1
REPORTING LIMITS FOR DF=1	4/28/05	.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*
4/28/05	**70**	**ND**
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.

WELLHEAD INSPECTION CHECKLIST

Date 4/28/05 Client The Sutton Group

Site Address 2600 Grant Ave. San Lorenzo, CA

Job Number 050428-DA1 Technician DA

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	X							
MW-2	X							
MW-3	X			X				
MW-4	X			X				
MW-5	X			X				
MW-D1	X			X				

NOTES: LOST BAILERS WERE NOT DETECTED IN WELLS MW-1 OR MW-5

WELL GAUGING DATA

Project # 050428-DA1 Date 4/28/05 Client _____

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					~~10.94~~ 7.28	14.49	TOB	
MW-2	2					5.73	15.40		
MW-3	2					5.04	15.74		
MW-4	2					4.49	13.90		
MW-5	2					4.40	13.92		
MW-D1	4					7.54	14.40	↓	

WELL MONITORING DATA SHEET

Project #: 050428 - DA1	Client: Sutton Group
Sampler: DA/PM	Date: 04/28/05
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 15.74	Depth to Water (DTW): 5.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ (Grade)	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.18	

Purge Method: Bailer; X Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

1.7 (Gals.) X	3	=	5.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
(2")	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
8:54	63.3	6.6	17.47	112	1.7	gray / H2S smell
8:58	63.8	6.7	17.36	187	3.4	"
9:02	63.3	6.7	22.29	292	5.1	"
9:04	63.9	6.7	23.81	309	6.8	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.8

Sampling Date: 04/28/05 Sampling Time: 9:09 Depth to Water: —

Sample I.D.: MW-3 Laboratory: Kiff CalScience Other Mc Campbell

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 050428-DA1	Client: The Sutton Group
Sampler: DA/PM	Date: 4/28/05
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 13.90	Depth to Water (DTW): 4.49
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.37	

Purge Method: Bailer; X Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

1.5 (Gals.) X 3 = 4.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
9:33	65.2	6.8	6386	446	1.5	dark tan
9:35	65.3	6.8	14900	484	3	dark gray
9:38	65.7	6.7	29290	71000	4.5	"
well	dewatered at	4.5 gal				
1020	64.9	6.9	4028	143	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 4.5

Sampling Date: 4/28/05 — Sampling Time: 1022 — Depth to Water: 4.72

Sample I.D.: MW-4 — Laboratory: Kiff CalScience Other McCampbell

Analyzed for: ~~TPH-G~~ BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 050428-DA1	Client: The Sutton Group
Sampler: DA	Date: 4/28/05
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 13.92	Depth to Water (DTW): 4.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ (Grade)	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.30	

Purge Method: Bailer; ✕ Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: Bailer; ✕ Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

1.5 (Gals.) X 3 = 4.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
9:22	63.2	6.8	13.11	126	1.5	cloudy
9:25	64.4	6.8	32.50	144	3.0	gray
0925 well	dewatered @	3g.				
1039 ~~0939~~	63.8	6.8	21.23	132	-	

Did well dewater? (Yes) No — Gallons actually evacuated: 3

Sampling Date: 4/28/05 — Sampling Time: 1041 ~~0944~~ — Depth to Water: 9.22 +0.03 @ site departure

Sample I.D.: MW-5 — Laboratory: Kiff CalScience Other McCampbell

Analyzed for: ~~TPH-G BTEX MTBE~~ TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 050428-DA1	Client: The Sutton Group
Sampler: DA	Date: 4/28/05
Well I.D.: MW-D1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 14.40	Depth to Water (DTW): 7.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.91	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

4.5 (Gals.) X 3 = 13.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
9:52	63.3	7.3	18.87	155	4.5	cloudy
well dewatered at 4.5 gal						
1030	65.3	7.1	17.65	110		"

Did well dewater? (Yes) No — Gallons actually evacuated: 4.5

Sampling Date: 4/28/05 — Sampling Time: 1032 — Depth to Water: 7.54

Sample I.D.: MW-D1 — Laboratory: Kiff CalScience Other McCampbell

Analyzed for: (TPH-G) BTEX MTBE (TPH-D) Oxygenates (5) Other:

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 050428-DA1

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

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	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
+ MW-3	4/28/05	0909	W	3		X	X					
+ MW-4		1022				X	X					
+ MW-5		1041				X	X					
+ MW-D1		1032		5		X	X	X				
TB		—		2	X	4 X	X					

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	4/28/05	1100	David Allbut

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
David Allbut	5/2/05	1330		5/2/05	135
	5/2/05	405		5/2/05	405

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

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

PRESERVATION	VOAS	O&G	METALS	OTHER

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0505033 **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: 05/02/2005
Date Printed: 05/06/2005

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
0505033-001	MW-3	Water	04/28/2005	☐	A														
0505033-002	MW-4	Water	04/28/2005	☐	A														
0505033-003	MW-5	Water	04/28/2005	☐	A														
0505033-004	MW-D1	Water	04/28/2005	☐	A	B													

Test Legend:

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

Prepared by: Maria 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.

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: 04/28/05
3708 Mt. Diablo Blvd, Ste. 215		Date Received: 05/02/05
Lafayette, CA 94549	Client Contact: John Sutton	Date Extracted: 05/03/05
	Client P.O.:	Date Analyzed: 05/03/05

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0505033

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-3	W	220,a	54	110	ND	ND	0.63	1	105
002A	MW-4	W	79,000,a	ND<900	9400	690	4000	16,000	100	90
003A	MW-5	W	89,000,a	ND<500	18,000	11,000	1600	8900	100	98
004A	MW-D1	W	---	---	ND	ND	ND	ND	1	102
005A	TB	W	ND	ND	ND	ND	ND	ND	1	103
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
Website: www.mccampbell.com E-mail: main@mccampbell.com

The Sutton Group	Client Project ID: #3022.10	Date Sampled: 04/28/05
3708 Mt. Diablo Blvd, Ste. 215		Date Received: 05/02/05
Lafayette, CA 94549	Client Contact: John Sutton	Date Extracted: 05/04/05
	Client P.O.:	Date Analyzed: 05/04/05

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

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0505033

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0505033-004B	MW-D1	W	70,b	1	99

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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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0505033

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 16094 Spiked Sample ID 0505033-005A

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	98.6	96.8	1.91	96.3	95.6	0.756	70 - 130	70 - 130
MTBE	ND	10	88.9	84.9	4.62	96	92.9	3.26	70 - 130	70 - 130
Benzene	ND	10	95.1	89.6	5.98	97.4	94.8	2.74	70 - 130	70 - 130
Toluene	ND	10	108	102	5.45	103	90.5	12.6	70 - 130	70 - 130
Ethylbenzene	ND	10	109	105	3.74	108	105	2.97	70 - 130	70 - 130
Xylenes	ND	30	96	91.7	4.62	96	91.3	4.98	70 - 130	70 - 130
%SS:	103	10	110	107	2.48	112	110	1.38	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

BATCH 16094 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505033-001	4/28/05 9:09 AM	5/03/05	5/03/05 6:09 AM	0505033-002	4/28/05 10:22 AM	5/03/05	5/03/05 6:39 AM
0505033-003	4/28/05 10:41 AM	5/03/05	5/03/05 7:08 AM	0505033-004	4/28/05 10:32 AM	5/03/05	5/03/05 10:07 AM
0505033-005	4/28/05	5/03/05	5/03/05 10:36 AM				

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.

DHS Certification No. 1644

_____QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0505033

EPA Method: SW8015C	Extraction: SW3510C				BatchID: 16082		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	1000	N/A	N/A	N/A	89.3	90.5	1.33	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	82	84	2.25	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

BATCH 16082 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0505033-004	4/28/05 10:32 AM	5/02/05	5/04/05 2:02 AM				

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