RO288

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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 20, 2004

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

Results of Quarterly 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 27, 2004. This is the 7th quarterly sampling of the two additional wells installed in October 2002 in the parking lot west of the District's Engineering Building. The sampling was conducted concurrent with the drilling of additional borings in accordance with the Remedial Technology Evaluation and Work Plan dated March 31, 2004. In accordance with the approved work scope, monitoring wells Nos. MW- 4 and 5 were sampled and groundwater depths in all 5 monitoring wells in this area were measured in this round. The monitoring well at the location of the former diesel tank was also sampled.

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 August 27, 2002. The sampling program was in accordance with the request of ACEP's April 18, 2003 letter.

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.

Sampling Results

Gasoline Tank Area

On April 27, 2004, ground water depths were measured in all 5 monitoring wells near the Engineering Building. Conditions of the wellheads appeared to have not changed from the previous sampling. All five wells were sounded for groundwater depth.

The attached Table 1 summarizes the ground water elevation data collected in the gasoline tank area over the past year. The gradient direction, shown on Figure 2, was estimated after considering the individual gradients for triplets of three wells, and the relative groundwater elevations in relation to the influence of the gravel-filled trenches that bound the site, and those in Grant Avenue to the east and south of MW-1 and –2, which all act as groundwater sinks. The three on-site wells upgradient of the Grant Avenue boundary indicate a flat groundwater gradient of 0.0035 ft/ft between the three onsite wells, while the net gradient of all five wells as triplets is towards Grant Avenue (southeast). Water levels in wells MW-1 and -2 in Grant Avenue are several feet lower than those in the tank area. The gradient between wells MW-1 and -5, at 0.47 ft/ft, quantifies the strong influence of the gravel filled barrier trenches that parallel the Grant Avenue boundary, separating these wells from those on the site. The gradient between wells MW-1 and -2, at 0.22 ft/ft indicates the influence of the other gravel-filled pipeline trenches in Grant Avenue to the east and south. .

Following sounding, wells MW-2, 4, and 5 were each purged of 4 to 6 gallons of water, over three well volumes. After purging, the samples were collected using dedicated bailers and laboratory-supplied glass containers. Samples from MW-4 and 5 were each sampled and analyzed for gasoline, BTEX and MTBE using standard EPA test methods 8015 and 8021 and for the parameters of the parallel remedial investigation (Mn, Fe, BOD, and COD). MW-2 was sampled only for the parameters of the parallel remedial investigation in accordance with the two work plans in force.

Table 2 is a summary of the the current round of analytical results for petroleum hydrocarbons. Table 2A is a compilation of all test results for gasoline-related hydrocarbons in the gasoline tank area since well sampling began in 1999. 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 December, 1993. The monitoring well location is shown on Figure 1.

The well was purged and sampled, and analyzed for TPH as diesel and BTEX. The diesel presence of 110 µg/l was of the same magnitude the readings of the last year but substantially less than the highest reading of 380 µg/l in 1995. While this well has no historical detection of BTEX, for the first time, trace amounts (less than 1µg/l of BTEX were detected. The reason is unknown. It might relate to the flooding of the well area this past winter, however, there are many other potential sources of such a minor amount. This will be evaluated over future sampling events. Table 3 is a tabulation of historic sample results for this well.

Conclusions and Future Sampling

The groundwater gradients in the gasoline tank area continue to demonstrate that the contamination is contained on the Districts property by the barrier trenches. The wells beyond the barrier continue to show no detection of gasoline or BTEX.

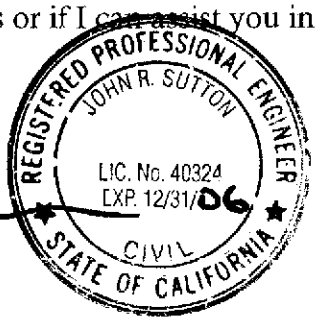
The sample from the diesel tank well indicates an extremely low presence of diesel. The trace presence of BTEX in the results reported herein will be monitored during future samplings

The next scheduled sampling of wells is scheduled for July 2004.

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
Civil Engineer No 40324
License valid through 12/31/2006

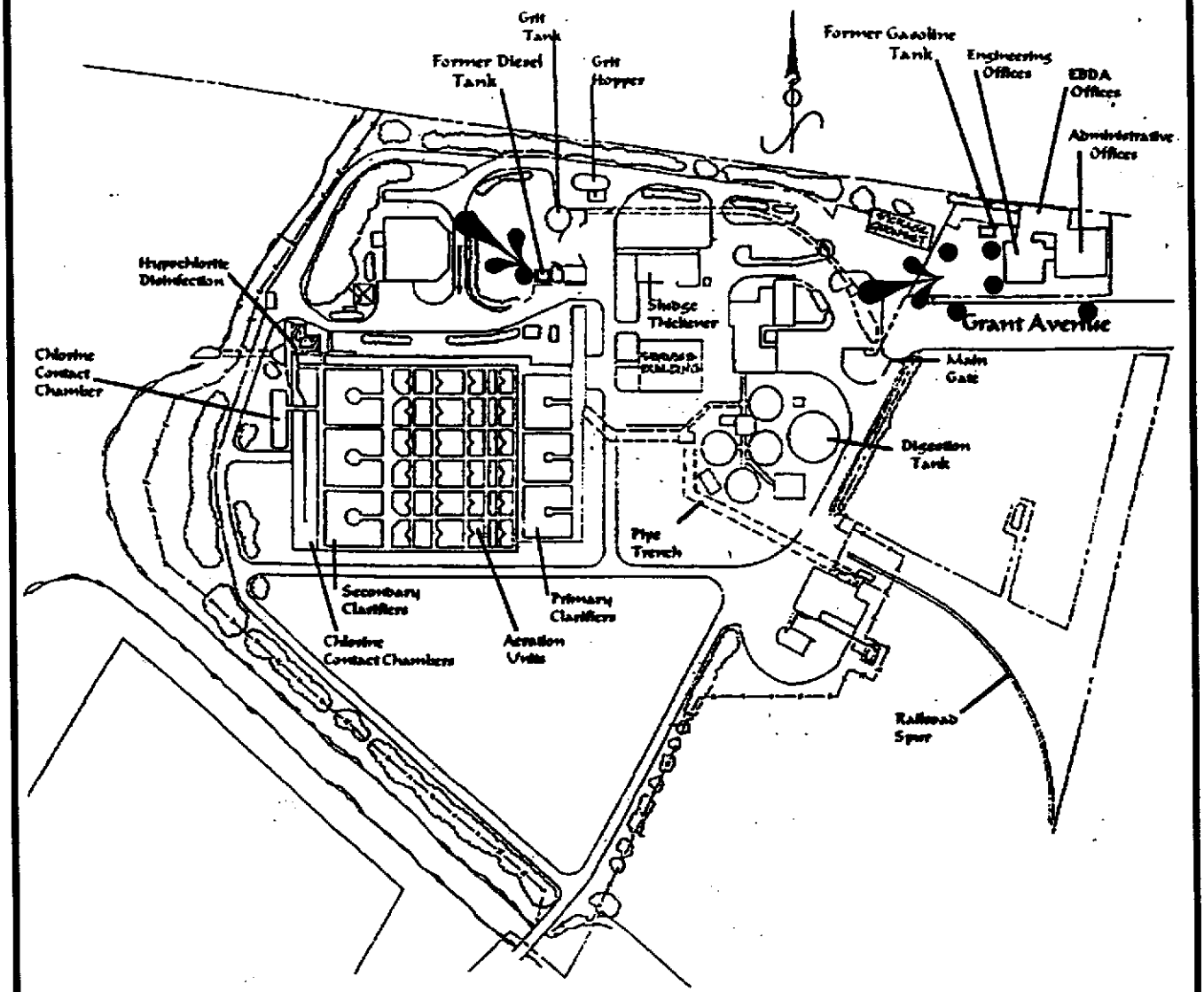
Attachments:

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
Table 2A	Cumulative Summary of Water Sample Analyses, Gas Tank Area
Table 3	Summary of Water Sample Analyses, Former Diesel Tank Area

Analytical Laboratory Report
Sample Collection Logs

Two Copies Sent

One copy sent to Ms. Eva Chu at Alameda County Health Dept.

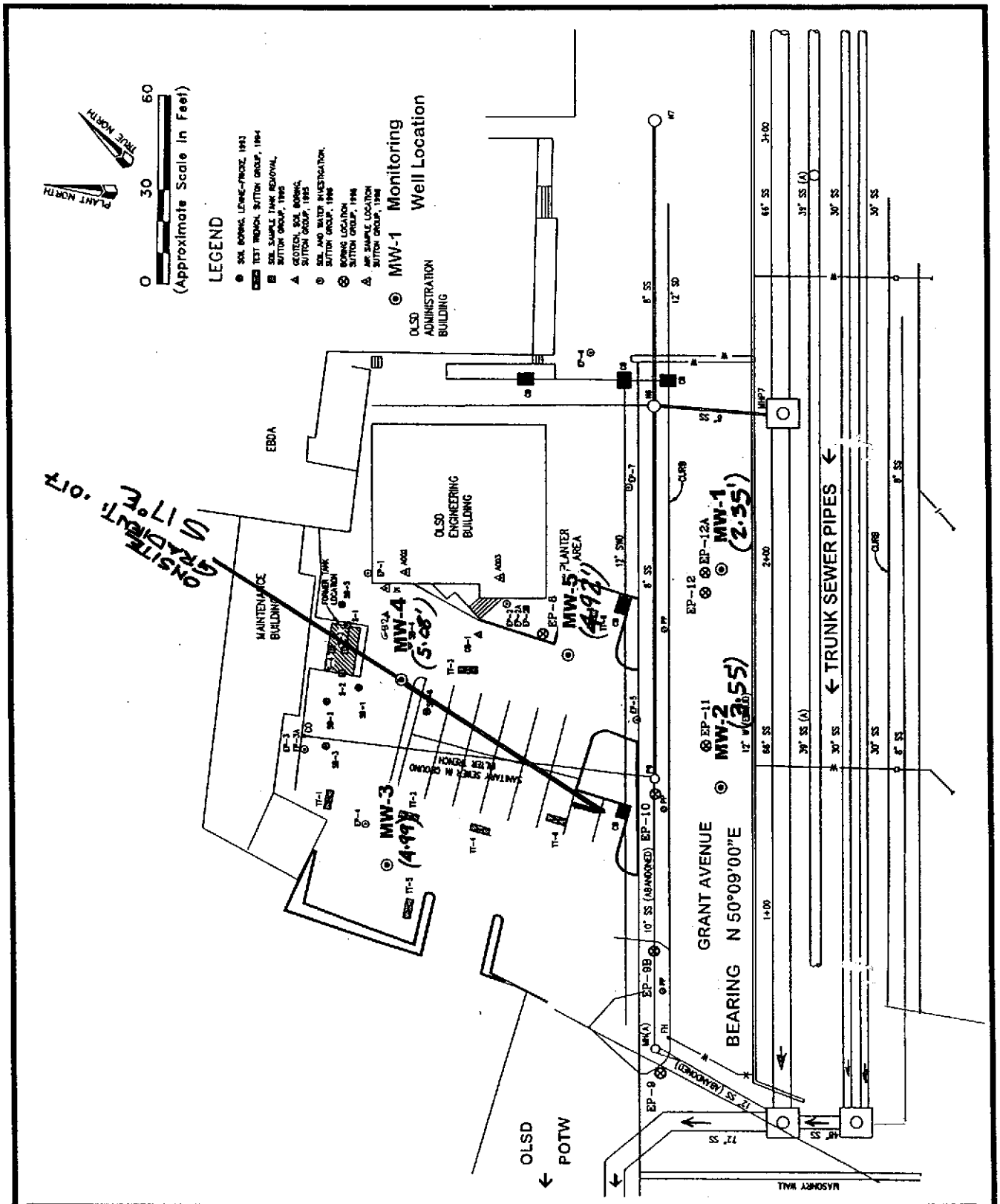


SITE PLAN

● 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
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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

4TH QTLY SAMPLING ON 4/27/04

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							
Groundwater Depth	6.30	5.20	5.20	4.60	4.00		
Groundwater Elevation	**2.35**	**3.55**	**4.99**	**5.08**	**4.92**	**S17°E**	**0.017**
Change Since last reading	0.15	0.28	-0.28	-0.39	-0.25		

* Basis of elevations, Alameda County bench mark "Grant–Phil" at intersection of Grant Avenue and Phil Drive.
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-4	4/27/04	78,000	13,000	7,800	3,200	17,000	ND < 1,000	200
MW-5	4/27/04	39,000	12,000	11,000	920	4,300	ND < 1,000	200
MW-D 1	4/27/04	*DIESEL*: 110	.59	.91	ND	.52	ND	1
REPORTING LIMITS FOR DF=1	4/27/04	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					
	1/23/04	ND	ND	ND	ND	ND	ND
	4/27/04	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
	11/23/99	ND	ND	ND	ND	ND	ND
	7/25/03	ND	ND	ND	ND	ND	< 1

TABLE 2A, Continued
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
FORMER GASOLINE TANK AREA

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
	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
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
	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

TABLE 2A, Continued
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
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	4/27/04	78,000	13,000	7,800	3,200	17,000
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

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 3

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*
4/27/04	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 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: #3022.11; Oro Loma San. Dist.	Date Sampled: 04/27/04
		Date Received: 04/27/04
	Client Contact: John Sutton	Date Reported: 05/04/04
	Client P.O.:	Date Completed: 05/04/04

WorkOrder: 0404404

May 04, 2004

Dear John:

Enclosed are:

1). the results of **4** analyzed samples from your **#3022.11; Oro Loma San. Dist. 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.

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The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #3022.11; Oro Loma San. Dist.	Date Sampled: 04/27/04
		Date Received: 04/27/04
	Client Contact: John Sutton	Date Extracted: 05/02/04-05/04/04
	Client P.O.:	Date Analyzed: 05/02/04-05/04/04

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0404404

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MWD1	W	---	ND	0.59	0.91	ND	0.52	1	99.5
003D	MW4	W	78,000,a	ND<1000	13,000	7800	3200	17,000	200	105
004D	MW5	W	39,000,a	ND<1000	12,000	11,000	920	4300	200	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 ~2 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.

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: #3022.11; Oro Loma San. Dist.	Date Sampled: 04/27/04
		Date Received: 04/27/04
	Client Contact: John Sutton	Date Extracted: 04/27/04
	Client P.O.:	Date Analyzed: 05/02/04

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

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0404404

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0404404-001B	MWD1	W	110,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 ~2 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.

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Telephone : 925-798-1620 Fax : 925-798-1622
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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0404404

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 11296 Spiked Sample ID: 0404402-003A

	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	104	102	1.85	101	99.9	1.35	70	130
MTBE	ND	10	98.9	95.9	3.06	103	108	4.58	70	130
Benzene	ND	10	108	107	1.14	108	112	4.13	70	130
Toluene	ND	10	111	110	0.641	110	114	3.33	70	130
Ethylbenzene	ND	10	116	114	2.30	114	116	1.51	70	130
Xylenes	ND	30	107	100	6.45	103	107	3.17	70	130
%SS:	104	10	103	104	0.397	102	104	2.22	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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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

TL 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

Matrix: W WorkOrder: 0404404

EPA Method: SW8015C Extraction: SW3510C BatchID: 11280 Spiked Sample ID: N/A

	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	102	103	1.35	70	130
%SS:	N/A	2500	N/A	N/A	N/A	107	108	0.938	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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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: 0404404 **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: #3022.11; Oro Loma San. Dist.
PO:

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

Requested TAT: 5 days
Date Received: 4/27/04
Date Printed: 4/27/04

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
0404404-001	MWD1	Water	4/27/04 4:50:00 PM	☐			A		B										
0404404-002	MW2	Water	4/27/04 3:55:00 PM	☐	C	B		A											
0404404-003	MW4	Water	4/27/04 2:35:00 PM	☐	C	B	D	A											
0404404-004	MW5	Water	4/27/04 2:55:00 PM	☐	C	B	D	A											

Test Legend:

1	BOD_W	2	CODF_W	3	G-MBTEX_W	4	METALS_DISS	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.

CHAIN OF CUSTODY FORM

Page 1 of 1

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T LOGIN # 040404

Sampler: JOHN SUTTON
Report To: JOHN SUTTON
Company: The SUTTON GROUP
Telephone: 925-284-4208
Fax: 284-4189

Project No: 2022.11
Project Name: Oro Loma San. Dist
Project P.O.:
Turnaround Time: Normal **

1 L poly

Laboratory Number	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H2SO4	HNO3	ICE	Field Notes	Analyses: TEH (Gas)(diesel)	BTEX + MTBE	TVH/BTEX/MTBE	Dissolved Fe + Dissolved Mn	COD	BOD
For Laboratory Use	MW1-042704	4/27/04 1650		X		1-1L amber				X		X					
	↓	↓ 1650		X		3, 40ml VOA	X			X			X				
	MW2-042704	1555		X		~~3, 40 ml VOA~~	X			X				X			
		1555		X		500 ml poly				X						X	
	↓	1555		X		250 ml poly		X		X					X		
	MW4-042704	1435		X		1L poly				X				X			
		1435		X		500 ml poly				X						X	
		1435		X		250 ml poly		X		X					X		
	↓	1435		X		3, 40 ml	X			X			X				
	MW5-042704	↓ 1455		X		1L poly				X				X			
		1455		X		500 ml poly				X						X	
		1455		X		250 ml poly		X		X					X		
	↓	↓ 1455		X		3, 40 ml	X			X			X				

Notes:
email johnrsutton@mindspring.com
** COD/BOD need 45 ml vials and acid preserve ASAP.

RELINQUISHED BY:	RECEIVED BY:
Signature	Signature
4/27/04 1820 hrs DATE/TIME	4/27 6:16PM DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

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

PRESERVATION	VOAs	O&G	METALS	OTHER
	✓			

SAMPLE COLLECTION LOG

Project Name	OLSD
Project Number	3022.11
Sampler Name	Sutton & Bang
Date of Sample Collection	4/27/04

Sample Number	MW2 - 042704
Sample Location	MW2 in Grant Av at parking lot
Sample Media	Soil/ Water/ other
Site Conditions	Sunny, hot, breezy
Sample Collection Depth	Water @ 5.2' : NFP
Sample Container	
	YSI 650: Temp = 19.93°C
Intact or Disturbed Sample	Spec. Cond = 7653 µS/cm
Sample Material Description	DO = 4.9%
	DO = .43 mg/L
Collection Procedure	pH = 7.2
	Dedicated Bailer ORP = -192
	4 gallons purged
	Mn, Fe : 1L PE
	BOD : 500ml PE
	COD : 250ml PE preserved w/ H_2SO_4
	Stored on Ice
Proposed Lab. Analysis	

Water Levels

MW1 (EAST)	MW2 (WEST)	MW3 Parking lot, WT
6.3' < Rim	5.2	5.2
NFP or Sheen	"	NFP or Sheen

SG\SAMPLOG.DOT

SAMPLE COLLECTION LOG

Project Name	OLSD
Project Number	3022.11
Sampler Name	Sutton & Barry
Date of Sample Collection	4/27/04 2:35pm

Sample Number	MW4 - 042704
Sample Location	MW4, Engrg Bldg Parking Lot
Sample Media	Soil/(Water)/other
Site Conditions	Sunny, Hot, Breezy
Sample Collection Depth	Interface Probe, Solinst. No free product, Water @ 4.6' below Rim
Sample Container	YSI multimeter 650
	Temp = 20.4°C
Intact or Disturbed Sample	Cond = 6882 µs/cm²
Sample Material Description	DO = 6.4%
	DO = 0.56 mg/L
Collection Procedure	pH = 7.02
	ORP = -170
	Dedicated Bailer
	Bailed 4½ gal (slow recharge)
	Collected: gas ~~BTEX~~ MTBE w 3x 40ml VOA w/pres. HCl
	Dissolved Fe & Mn " 1-L PE
	BOD " 500ml PE
	COD " 250 ml PE preserved H₂SO₄
	Stored on Ice
Proposed Lab. Analysis	see above

SAMPLE COLLECTION LOG

Project Name	OCSD
Project Number	3022.11
Sampler Name	Sutton & Berry
Date of Sample Collection	4/27/04 2:55pm

Sample Number	MWS-042704
Sample Location	MW5 SW cor Engg Bldg, Pkg lot
Sample Media	Soil/ Water/ other
Site Conditions	Sunny, Hot 80s
Sample Collection Depth	Interface note: Water @ 4.0' depth below Rim
Sample Container	NO Petrol. Glassware.
Intact or Disturbed Sample	T = 21.9°C YSI 650
Sample Material Description	C = 14904 µS/cm² @ Sample
	DO = 15.9%
Collection Procedure	DO = 1.27 mg/L
	pH = 7.08
	ORP = -143.6
	Purged 5 gal. w/ dedicated bailer
	Collect 3x VOA (HCl) for BTEXMTBE
	1L PE Acidified Mn, Fe
	500 mL PE BOD
	250 mL PE w/ H2SO4 COD
	Alkalinity Fe
Proposed Lab. Analysis	

SAMPLE COLLECTION LOG

Project Name	ULSD
Project Number	3022.11
Sampler Name	Sutton
Date of Sample Collection	4/27/04 (425pm)

Sample Number	MW-DI		
Sample Location	MWDI-042704		
Sample Media	Soil/ Water/ other		
Site Conditions	Sunny, Hot, Breezy		
Sample Collection Depth	Water @ 2.6' (Static) NFP or sheen		
Sample Container			
	Purged 15gal		
Intact or Disturbed Sample			
Sample Material Description	~~425pm~~	~~435~~	~~445pm~~
	~~20.6°~~	~~20.7~~	20.0
Collection Procedure	~~7971~~ 7279	~~7801~~ 7094	~~8543~~ 7734 uS/cm ?
	22.6%	10.4	4.2% DO
	1.77 mg/l	0.90	0.37
	7.79	7.71	7.74
	-165.5	-179.0	-193.3 ORP
	1L amber	Diesel	
	3xVoa (HCl)	BTEX MTBE	
Proposed Lab. Analysis			