RO 288
AL

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

THE SUTTON GROUP

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

3708 Mount Diablo Blvd
Suite 215
Lafayette, CA, 94549

August 1, 2005

Alameda County

AUG 0 4 2005

Environmental Health

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

Results of 12th 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 July 19, 2005. This is the 12th 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.

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.

Groundwater Monitoring

Review of groundwater level measurements around the former gasoline tank site indicates a reduction of ground water elevation, consistent with summer conditions.. The groundwater conditions are similar to those of past summers. 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 July 19, 2005, water samples were collected from the five wells in accordance with the approved work plan. The samples were collected by bailing.

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.

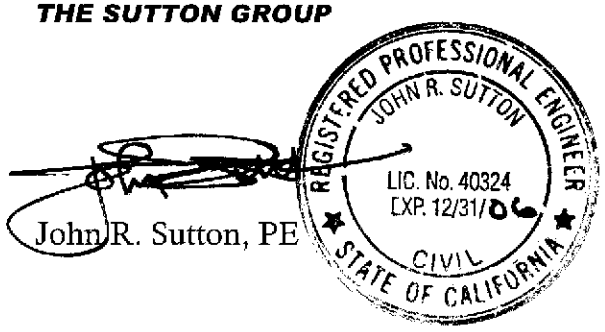
Diesel Tank Area

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 diesel at 53µg/l was less than the previous readings. 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



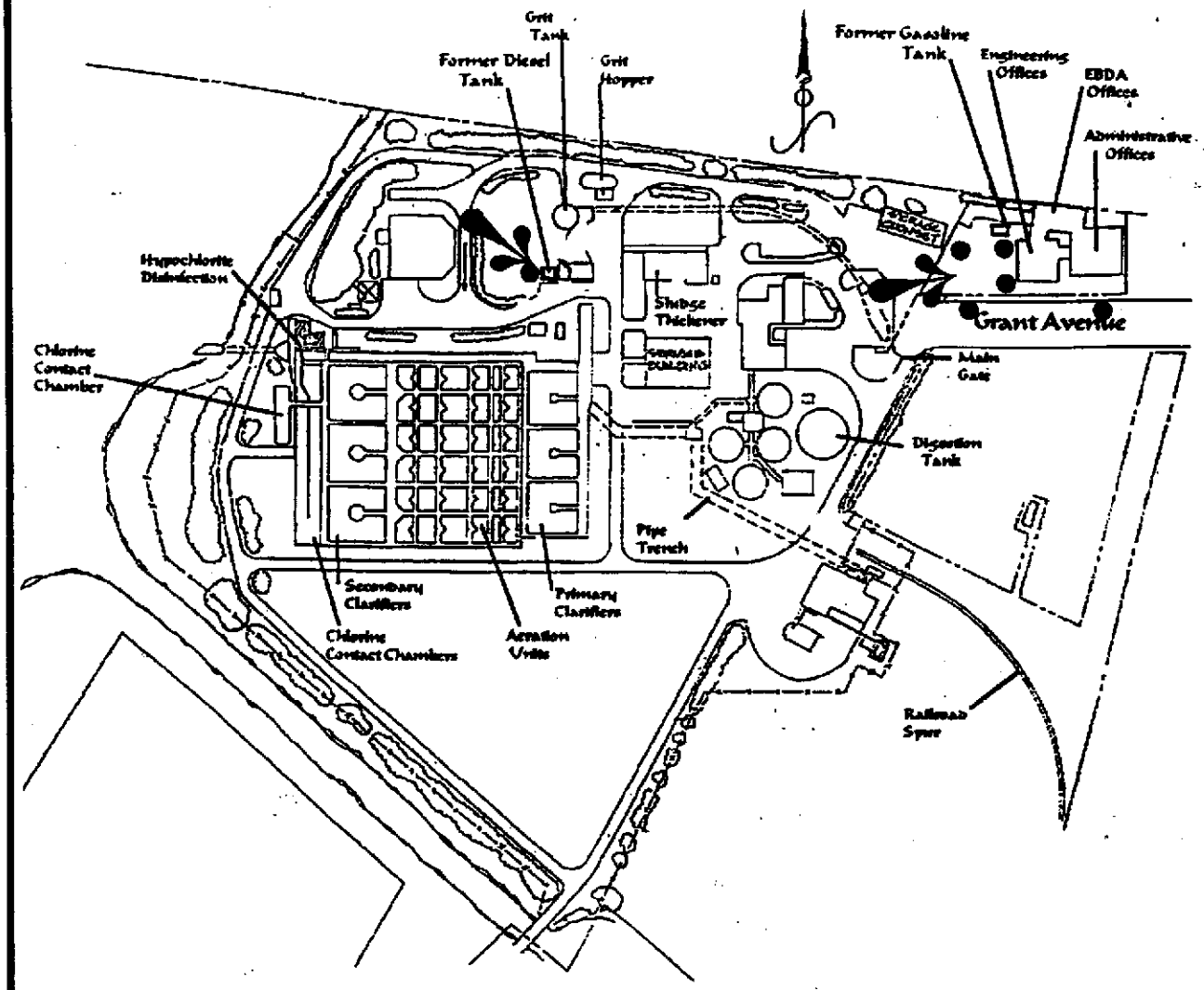
John R. Sutton, PE

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	Not included
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.

302210, Qtr #12 rept Q3 2005 sig.doc

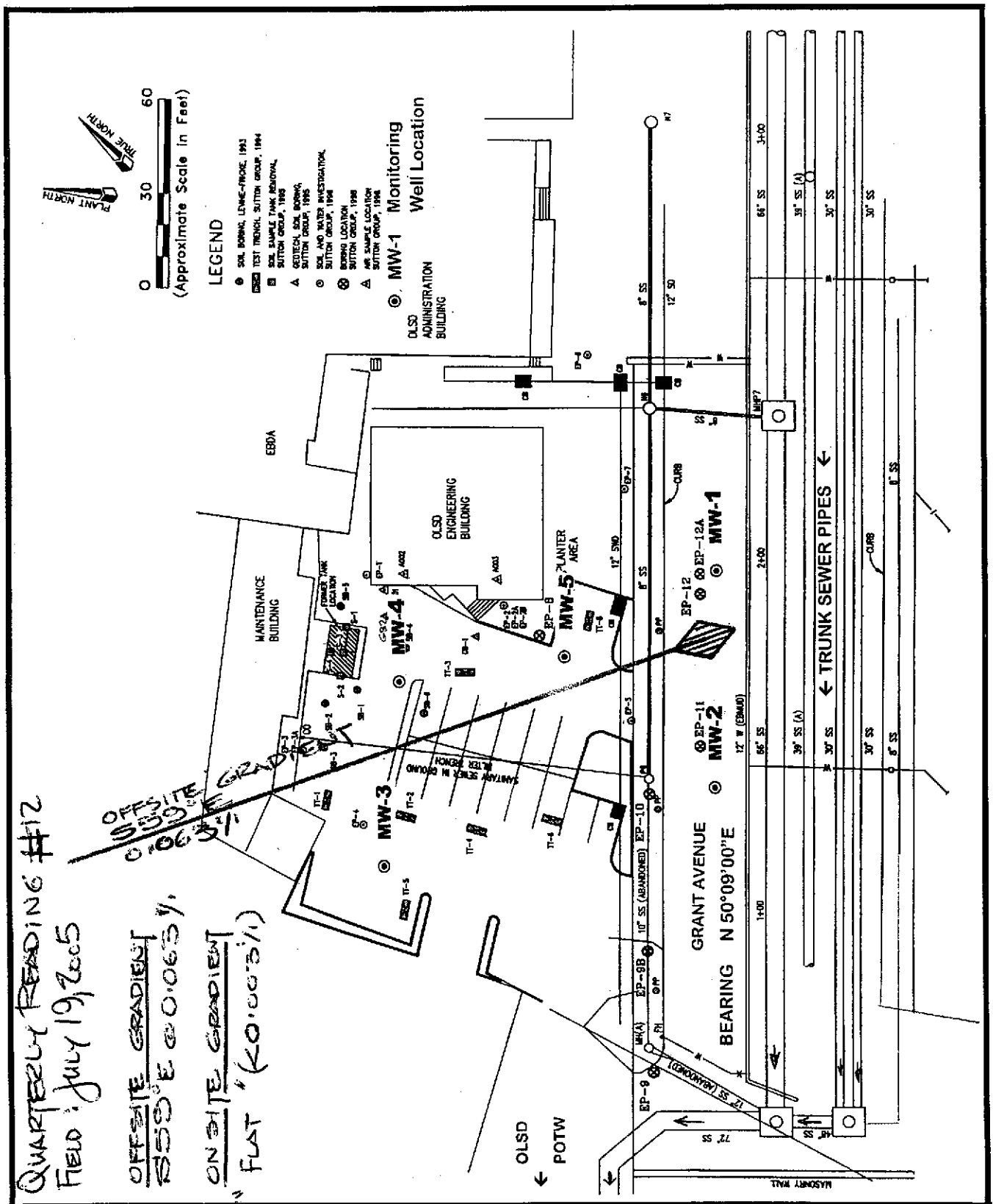


SITE PLAN

● 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

3022.10 Qtly Plan Fig 2

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	0.03
11th Quarterly,4/28/2005	1.37	3.02	5.15	5.19	4.52	S40°E	0.023
Current reading on 7/19/2005							
Groundwater Depth	7.47	6.38	5.88	5.20	4.6		
Groundwater Elevation	**1.18**	**2.37**	**4.31**	**4.48**	**4.32**	**S59°E**	**0.063**
Change Since 4/28/2005	-0.19	-0.65	0.73	0.01	0.08		
Change since same Qtr, last year	-0.37	-0.06	0.54	0.37	0.18		

* 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	7/19/05	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	1
MW-2	7/19/05	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	1
MW-3	7/19/05	760	370	.68	ND	2.6	92	1
MW-4	7/19/05	35,000	7,500	92	1,900	3,900	ND<500	100
MW-5	7/19/05	39,000	11,000	200	710	1,700	ND < 500	100
MW-D 1	7/19/05	*DIESEL*: 53	ND	ND	ND	ND	N A	1
TRIP BLANK	7/19/05	*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
	7/19/05	*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**
	4/28/05	N A	N A	N A	N A	N A	N A
	7/19/05	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***
MW-3	2/19/99	ND	ND	ND	ND	ND	1.5 [1]
DUP	2/19/99	ND	ND	ND	ND	ND	N/A
	5/10/99	ND	ND	ND	ND	ND	1.5 [2]

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
	7/19/05	**760**	**370**	**.68**	**ND**	**2.6**	**92**

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
	7/19/05	**35,000**	**7,500**	**92**	**1,900**	**3,900**	**ND<500**
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

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*
	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
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
	7/19/05	**39,000**	**11,000**	**200**	**710**	**1,700**	**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 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*
7/19/05	**53**	**ND**
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.

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 050719-MT1

CLIENT: The Sutton Group

SITE: 2600 Grant Ave.
San Lorenzo, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB: McCampbell DHS #

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

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		TPH-G by 8015	BTEX by 8021	MTBE by 8021	TPH-D	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB	7/19/05		W	2	40ml	X	X	X		All HCl			
MW-1		1045		3		X	X	X		preserved			
MW-2		0940		3		X	X	X		Sample wtr.			
MW-3		1000		3		X	X	X		40ml bottles			
MW-4		1115		3		X	X	X		are non-			
MW-5		1030		3		X	X	X		Preserved.			
MW-B1		1105		5	Mixed		X		X				
						LG		LG					

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	7/19/05	1120	MIKE TAH

RESULTS NEEDED NO LATER THAN: Standard TAT

	DATE	TIME			DATE	TIME
RELEASED BY			RECEIVED BY	(Sample Custody)	7/19/05	1600
RELEASED BY	7/20/05	5:05	RECEIVED BY		7/20/05	5:05
RELEASED BY			RECEIVED BY			

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

WELLHEAD INSPECTION CHECKLIST

Date 7/19/05 Client The Sathm Group

Site Address 2000 Grant Ave., San Lorenzo

Job Number 050719-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	
MW-5							A	
MW-D1							A	

NOTES: A - Need Locks

WELL GAUGING DATA

Project # 050719-MT1 Date 7/19/05 Client The Sutton Group

Site 2680 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					7.47	12.20		
MW-2	2					6.38	15.55		
MW-3	2					5.88	16.38		
MW-4	2					5.20	14.00		
MW-5	2					4.60	13.60		
MW-D	4					5.70	14.50		

WELL MONITORING DATA SHEET

Project #: 050719-PM1	Client: The Sutton Group
Sampler: M.T.	Date: 7/19/05
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.10	Depth to Water (DTW): 7.47
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]: 8.44	

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:____

0.7 (Gals.) X	3	=	2.1 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
0920	67.6	7.4	1273	>1000	0.7	
	Dewatered			@	1.0	
1040	69.2	7.1	3920	>1000	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1

Sampling Date: 7/19/05 Sampling Time: 10:45 Depth to Water: 3.40

Sample I.D.: MW-1 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 #: 050719-MT5	Client: The Sutton Group
Sampler: M.T.	Date: 7/19/05
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 15.55	Depth to Water (DTW): 6.38
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]: 8.21	

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
0930	70.1	7.0	1700	140	1.5	
0932	70.4	7.1	1688	173	3	
0934	70.4	7.2	1680	181	4.5	

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

Sampling Date: 7/19/05 Sampling Time: 0940 Depth to Water: 7.20

Sample I.D.: MW-2 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 #: 050719-MW	Client: The Sutton Group
Sampler: M.T.	Date: 7/19/05
Well I.D.: MW-3	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 16.33	Depth to Water (DTW): 5.88
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]: 7.98	

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: _____

1.7 (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
0950	69.6	7.1	1470	120	1.7	
0953	69.7	7.2	1435	112	3.4	
0956	69.9	7.2	1433	105	5.1	

Did well dewater? Yes (No) Gallons actually evacuated: 5.1

Sampling Date: 7/19/05 Sampling Time: 1000 Depth to Water: 7.59

Sample I.D.: MW-3 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 #: 050719-MT1	Client: The Sutton Group
Sampler: M.T.	Date: 7/19/05
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 14.00	Depth to Water (DTW): 5.20
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]: 6.96	

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:_____

1.4 (Gals.) X	3	= 4.2 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
1038	70.3	7.6	3892	>1000	1.4	
	Dewatered				2	
1115	70.0	7.7	4626	>1000	—	

Did well dewater? (Yes) No Gallons actually evacuated: 2

Sampling Date: 7/19/05 Sampling Time: 1115 Depth to Water: 6.72

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 #: 050719-MT1	Client: The Sutton Group
Sampler: M.T.	Date: 7/19/05
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 13.60	Depth to Water (DTW): 4.60
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]: 6.40	

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: _____

1.4 (Gals.) X 3 = 4.2 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
1022	69.6	7.4	1970	>1000	1.4	odor
1025	70.0	7.2	2960	>1000	2.8	"
1027	69.8	7.1	3133	>1000	4.2	"

Did well dewater? Yes (No) Gallons actually evacuated: 4.2

Sampling Date: 7/19/05 Sampling Time: 1030 Depth to Water: 6.12

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 #: 050719-MT1	Client: The Sutton Group
Sampler: M.T.	Date: 7/19/05
Well I.D.: MW-D1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 14.50	Depth to Water (DTW): 5.70
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]: 7.46	

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:_____

5.7 (Gals.) X 3 = 17.1 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
1055	70.3	7.7	7133	163	5.7	
1057	70.7	7.8	7412	591	11.4	
1059	71.0	7.9	7500	700	17.1	

Did well dewater? Yes (No) Gallons actually evacuated: 17.1

Sampling Date: 7/19/05 Sampling Time: 1105 Depth to Water: 7.21

Sample I.D.: MW-D1 Laboratory: Kiff CalScience Other Alpha Analytical

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.

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

0507323

CHAIN OF CUSTODY BTS # 050719-MT1

CLIENT: The Sutton Group

SITE: 2600 Grant Ave.
San Lorenzo, CA

ALL ANALYSES MUST MEET OR EXCEED LOWEST LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

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

C = COMPOSITE ALL CONTAINERS

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H2O	CONTAINERS TOTAL		C	TPH-G by 8015	BTEX by 8021	MTBE by 8021	TPH-D	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB	7/19/05		W	2	40ml		X	X	X		All HCl			
MW-1	"	1045	"	3	"		X	X	X		preserved			
MW-2	"	0940	"	3	"		X	X	X		Sample water			
MW-3	"	1020	"	3	"		X	X	X		40ml bottles			
MW-4	"	1115	"	3	"		X	X	X		are non-			
MW-5	"	1030	"	3	"		X	X	X		Preserved.			
MW-D1	"	1105	"	5	40ml		(8)	X	(8)	X				

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	7/19/05	1120	MICHAEL TOLK

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	7/19/05	1600	(Sample Custody)	7/19/05	1600
	7/20/05	0805		7/20/05	805
	7/20/05	655		7/20/05	655

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: 0507323 **ClientID: TSG** **EDF: NO**

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; 2600 Grant Ave. San Lorenzo
PO:

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

Requested TAT: 5 days

Date Received: **07/20/2005**
Date Printed: **07/27/2005**

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
0507323-002	MW-1	Water	07/19/2005	☐	A														
0507323-003	MW-2	Water	07/19/2005	☐	A														
0507323-004	MW-3	Water	07/19/2005	☐	A														
0507323-005	MW-4	Water	07/19/2005	☐	A														
0507323-006	MW-5	Water	07/19/2005	☐	A														
0507323-007	MW-D1	Water	07/19/2005	☐	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 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #3022.10; 2600 Grant Ave. San Lorenzo CA	Date Sampled: 07/19/05
		Date Received: 07/20/05
	Client Contact: John Sutton	Date Extracted: 07/24/05-07/26/05
	Client P.O.:	Date Analyzed: 07/24/05-07/26/05

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0507323

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	TB	W	ND	ND	ND	ND	ND	ND	1	108
002A	MW-1	W	ND	ND	ND	ND	ND	ND	1	103
003A	MW-2	W	ND	ND	ND	ND	ND	ND	1	114
004A	MW-3	W	760,a	92	370	0.68	ND	2.6	1	99
005A	MW-4	W	35,000,a	ND<500	7500	92	1900	3900	100	99
006A	MW-5	W	39,000,a	ND<500	11,000	200	710	1700	100	93
007A	MW-D1	W	---	---	ND	ND	ND	ND	1	96

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #3022.10; 2600 Grant Ave. San Lorenzo CA	Date Sampled: 07/19/05
		Date Received: 07/20/05
	Client Contact: John Sutton	Date Extracted: 07/21/05
	Client P.O.:	Date Analyzed: 07/25/05

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

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0507323

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0507323-007B	MW-D1	W	53,b	1	105

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 ~t vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0507323

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 17235 Spiked Sample ID 0507323-001A

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	95.1	93.1	2.09	91	94.2	3.47	70 - 130	70 - 130
MTBE	ND	10	95	97.9	3.05	107	109	2.32	70 - 130	70 - 130
Benzene	ND	10	95.1	98.7	3.69	90.2	92.7	2.80	70 - 130	70 - 130
Toluene	ND	10	99.1	102	3.00	92.9	95.8	3.02	70 - 130	70 - 130
Ethylbenzene	ND	10	103	103	0	97.5	101	3.43	70 - 130	70 - 130
Xylenes	ND	30	107	103	3.17	100	103	3.28	70 - 130	70 - 130
%SS:	108	10	97	103	5.66	96	96	0	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 17235 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0507323-001	7/19/05	7/24/05	7/24/05 2:45 AM	0507323-002	7/19/05 10:45 AM	7/24/05	7/24/05 3:15 AM
0507323-003	7/19/05 9:40 AM	7/24/05	7/24/05 3:45 AM	0507323-004	7/19/05 10:00 AM	7/24/05	7/24/05 4:15 AM
0507323-005	7/19/05 11:15 AM	7/26/05	7/26/05 8:59 PM	0507323-006	7/19/05 10:30 AM	7/26/05	7/26/05 10:40 PM
0507323-007	7/19/05 11:05 AM	7/26/05	7/26/05 5:12 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
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0507323

EPA Method: SW8015C **Extraction: SW3510C** **BatchID: 17223** **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	108	108	0	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	105	107	1.86	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 17223 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0507323-007b	7/19/05 11:05 AM	7/21/05	7/25/05 11:06 PM				

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