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

THE SUTTON GROUP
SOILS, FOUNDATIONS, DRAINAGE, SLOPES, CONTAINMENTS
CIVIL, GEOTECHNICAL AND ENVIRONMENTAL ENGINEERING

3708 Mount Diablo Blvd
Suite 215
Lafayette, CA, 94549

November 20, 2006

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

Results of 17th Quarterly Round of Sampling of Ground Water Monitoring Wells
Site of the Former Gasoline Tank
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 in the area of the former gasoline tank, conducted on October 26, 2006. This is the 17th quarterly sampling of wells in the gasoline tank area.

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. It 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 leveling of ground water elevation typical of late summer conditions. The gradients are very flat. A minor mounding effect may be interpreted. 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

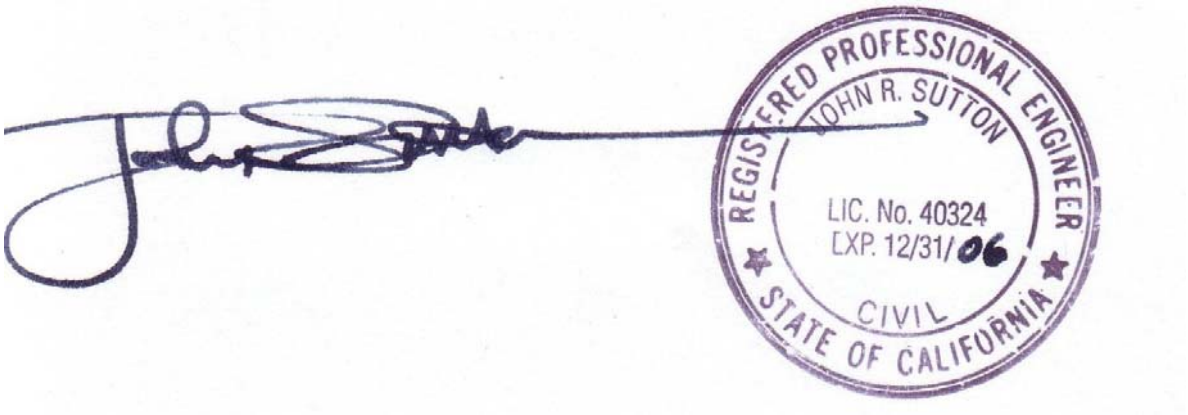
On October 26, 2006, water samples were collected from the three onsite wells in accordance with the approved work plan. The samples were collected by bailing.

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. Laboratory certificates and field sampling logs are attached.

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

Analytical Laboratory Reports (McCampbell)
Field sampling Reports (Blaine Tech)

Copy uploaded to Geotracker

Copy uploaded to Alameda Co web site.

Copy sent by email to Mr. Steven Plunkett at Alameda County Health Dept.

Copy sent by email to Mr. Ken Ross

Copy sent by email to Mr. Tim Becker

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
12th Quarterly,7/19/2005	1.18	2.37	4.31	4.48	4.32	S59°E	0.063
13th Quarterly10/26/2005	0.79	1.72	3.69	4.10	4.20	S64°E	0.065
14th Quarterly1/30/2006	1.72	3.17	4.85	4.92	4.24	S73°E	0.05
15th Quarterly4/18/2006	2.17	3.44	5.94	5.09	4.25	S78°E	0.025
16th Quarterly7/19/2006	1.55	2.88	4.41	4.57	4.13	S69E	0.048
Current (17th) reading on 10/26/2006							
Groundwater Depth	7.48	6.12	6.72	5.76	3.54		
Groundwater Elevation	**1.17**	**2.63**	**3.47**	**3.92**	**5.38**	**A: S30W**	**0.054***
Change Since 7/19/2006	-0.38	-0.25	-0.94	-0.65	1.25	**B: S76E**	**0.087***
Change since same Qtr, last year	0.38	0.91	-0.22	-0.18	1.18		

***** 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.

*** Gradient is very flat. Results suggest a mound effect. "B" is the local "forced" gradient due to dewatering effect of the gravel-bedded sanitary sewer line trenches. "A" awould be the natural gradient due to the presence of the San Francisco Bay**

TABLE 2

LOP Site No. RO0000288

SUMMARY OF GROUND WATER SAMPLE ANALYS

total petroleum hydrocarbons as gasoline, btex and mtb

EPA METHOD 8015Cm /8021

results in µg/l (ppb)

Sample Location	*Sample Date*	*Gasoline*	*Benzene*	*Toluene*	*Ethyl Benzene*	*Xylenes (total)*
MW-1	*10/26/2006*	n/a	n/a	n/a	n/a	n/a
MW-2	*10/26/2006*	n/a	n/a	n/a	n/a	n/a
MW-3	*10/26/2006*	*91*	*20*	*nd*	*0.55*	*3.5*
MW-4	*10/26/2006*	*89,000*	*13,000*	*1600*	*4,300*	*19,000*
MW-5	*10/26/2006*	*55,000*	*14,000*	*430*	*1,200*	*6,700*
Trip Blank	*10/26/2006*	*nd*	*nd*	*nd*	*nd*	*nd*
Reporting Limits for DF=1		50	0.5	0.5	0.5	0.5

NOTES:

nd	Analyte not detected at stated reporting limit
n/a	Not analyzed

SES
be

MTBE	*Dilution Factor*
n/a	1
n/a	1
46	1
nd<800	100
nd<1,000	200
nd	1
5	

TABLE 2A
LOP Site No. RO0000288

CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES

FORMER GASOLINE TANK AREA

total petroleum hydrocarbons as gasoline and mbtex

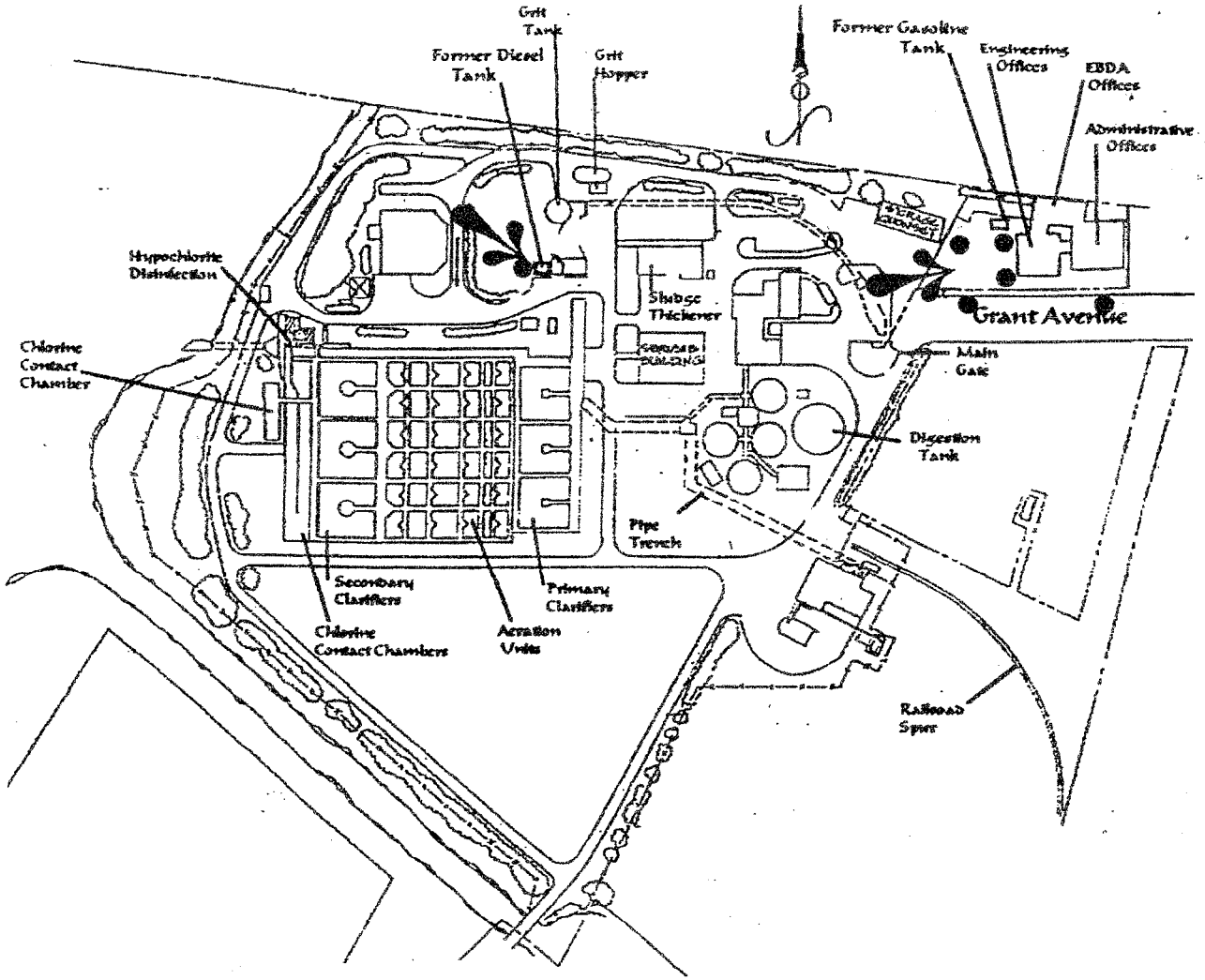
results in µg/l (ppb)

Sample Location	*Sample Date*	*Gasoline*	*Benzene*	*Toluene*	*Ethyl Benzene*	*Xylenes (total)*	*MTBE*
MW-1	2/19/1999	nd	nd	nd	nd	nd	nd
	5/10/1999	nd	nd	nd	nd	nd	nd
	8/30/1999	n/a	nd	nd	nd	nd	nd
	11/23/1999	nd	nd	nd	nd	nd	nd
dup	11/23/1999	nd	nd	nd	nd	nd	nd
	7/25/2003	nd	nd	nd	nd	nd	nd
	10/30/2003	n/a	n/a	n/a	n/a	n/a	n/a
	1/23/2004	nd	nd	nd	nd	nd	nd
	4/27/2004	n/a	n/a	n/a	n/a	n/a	n/a
	7/29/2004	nd	nd	nd	nd	nd	nd
MP	10/28/2004	N A	N A	N A	N A	N A	N A
	12/8/2004	nd	nd	nd	nd	nd	nd
MP	1/24/2005	nd	nd	nd	nd	nd	nd
	4/28/2005	N A	N A	N A	N A	N A	N A
	7/19/2005	nd	nd	nd	nd	nd	nd
	10/6/2005	N/A	N/A	N/A	N/A	N/A	N/A
	1/30/2006	ND	ND	ND	ND	ND	ND
	4/18/2006	N/A	N/A	N/A	N/A	N/A	N/A
	7/19/2006	ND	ND	ND	ND	ND	ND
	10/26/2006	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**
MW-2	2/19/1999	nd	nd	nd	nd	nd	nd
	5/10/1999	nd	nd	nd	nd	nd	nd
	8/30/1999	n/a	nd	nd	nd	nd	nd
	11/23/1999	nd	nd	nd	nd	nd	nd
	7/25/2003	nd	nd	nd	nd	nd	< 1
	10/30/2003	n/a					
	1/23/2004	nd	nd	nd	nd	nd	nd
	4/27/2004	n/a	n/a	n/a	n/a	n/a	n/a
	7/29/2004	nd	nd	nd	nd	nd	nd
MP	10/28/2004	ND	ND	ND	ND	ND	ND
	12/8/2004	ND	ND	ND	ND	ND	1.5
MP	1/24/2005	ND	ND	ND	ND	ND	9
	4/28/2005	n a	n a	n a	n a	n a	n a
	7/19/2005	nd	nd	nd	nd	nd	nd

	10/6/2005	N/A	N/A	N/A	N/A	N/A	N/A	
	1/30/2006	ND	ND	ND	ND	ND	ND	
	4/18/2006	N/A	N/A	N/A	N/A	N/A	N/A	
	7/19/2006	ND	ND	ND	ND	ND	ND	
	10/26/2006	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	
MW-3	2/19/1999	nd	nd	nd	nd	nd	1.5	*1
dup	2/19/1999	nd	nd	nd	nd	nd	n/a	
	5/10/1999	nd	nd	nd	nd	nd	1.5	*2
	8/30/1999	n/a	nd	nd	nd	nd	nd	
	11/23/1999	nd	nd	[.69]*	[.58]*	[1.3]*	nd	*3
	1/6/2000	nd	nd	nd	nd	nd	3.14	*4
Dup	1/6/2000	nd	nd	nd	nd	nd	2.64	*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	
	7/25/2003	nd	nd	nd	nd	nd	1.1	
	10/30/2003	n/a	n/a	n/a	n/a	n/a	n/a	
	1/23/2004	n/a	n/a	n/a	n/a	n/a	n/a	
	4/27/2004	n/a	n/a	n/a	n/a	n/a	n/a	
	7/29/2004	ND	6.4	ND	ND	ND	8.8	
MP	10/28/2004	390	170	0.7	nd	2.4	57	
	12/8/2004	N/A	N/A	N/A	N/A	N/A	N/A	
MP	1/24/2005	520	260	0.53	nd	1.9	89	
	4/28/2005	220	110	ND	ND	0.63	54	
	7/19/2005	760	370	0.68	ND	2.6	92	
	10/6/2005	190	71	ND	ND	ND	49	
	1/30/2006	300	130	0.74	ND	2.5	71	
	4/18/2006	380	190	1	nd	4	66	
	7/19/2006	140	61	ND	0.57	0.89	44	
	10/26/2006	***91***	***20***	***nd***	***0.55***	***3.5***	***46***	
MW-4	10/21/2002	n/a	5,800	6,200	3,500	18,000	140	
	1/28/2003	n/a	7,200	3,500	2,700	15,000	130	
	4/28/2003	n/a	5,700	850	ND<120	10,000	200	
	7/25/2003	97,000	11,000	8,400	4,900	24,000	nd<250	
	10/30/2003	77,000	12,000	9,300	3,200	16,000	nd < 200	
	1/23/2004	100,000	16,000	10,000	1,100	19,000	nd < 1,200	
	4/27/2004	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	10/28/2004	80,000	15,000	7,100	3,500	14,000	ND<1,000	
	12/8/2004	n/a	N/A	N/A	N/A	N/A	n/a	
MP	1/24/2005	70	9,900	850	2,500	11,000	ND<1,000	
	4/28/2005	79,000	9,400	690	4000	16,000	nd<900	
	7/19/2005	35,000	7,500	92	1,900	3,900	nd<500	
	10/6/2005	65,000	12,000	2,100	3,200	11,000	ND<500	
	1/30/2006	45,000	9,800	380	2,400	6,500	nd<130	
	4/18/2006	58,000	7,100	420	3,900	13,000	nd < 500	

	7/19/2006	71,000	10,000	520	4,900	18,000	ND<500
	10/26/2006	***89,000***	***13,000***	***1600***	***4,300***	***19,000***	***nd< 800***
MW-5	10/21/2002	65,000	12,000*	20,000*	1,600*	7,100*	ND<100
	1/28/2003	n/a	9,100	6,600	720	4,000	ND<100
	4/28/2003	n/a	12,000	8,300	ND<250	2,100	ND<250
	7/25/2003	62,000	13,000	14,000	1,300	5,200	nd<250
	10/30/2003	33,000	7,500	2,200	490	1,600	nd < 100
	1/23/2004	97,000	18,000	20,000	ND<120	7,900	nd < 1,200
	4/27/2004	39,000	12,000	11,000	920	4,300	nd < 1,000
	7/29/2004	47,000	11,000	5,500	690	2,800	nd < 1,000
MP	10/28/2004	130,000	23,000	25,000	2,000	9,700	ND<
	12/8/2004	n/a	n/a	N/A	N/A	N/A	N/A
MP	1/24/2005	150,000	22,000	25,000	2,100	12,000	nd<1,000
	4/28/2005	89,000	18,000	11,000	1,600	8,900	nd < 500
	7/19/2005	39,000	11,000	200	710	1,700	nd < 500
	10/6/2005	58,000	17,000	410	1,000	6,600	ND<500
	1/30/2006	61,000	15,000	5,500	1,100	5,600	nd < 500
	4/18/2006	36,000	13,000	490	660	3,300	nd < 500
	7/19/2006	49,000	16,000	460	ND<50	7,700	ND<500
	10/26/2006	***55,000***	***14,000***	***430***	***1,200***	***6,700***	***nd<1,000***

nd	Analyte not detected at stated reporting limit
n/a	Not analyzed
u/n	Unless otherwise noted (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.

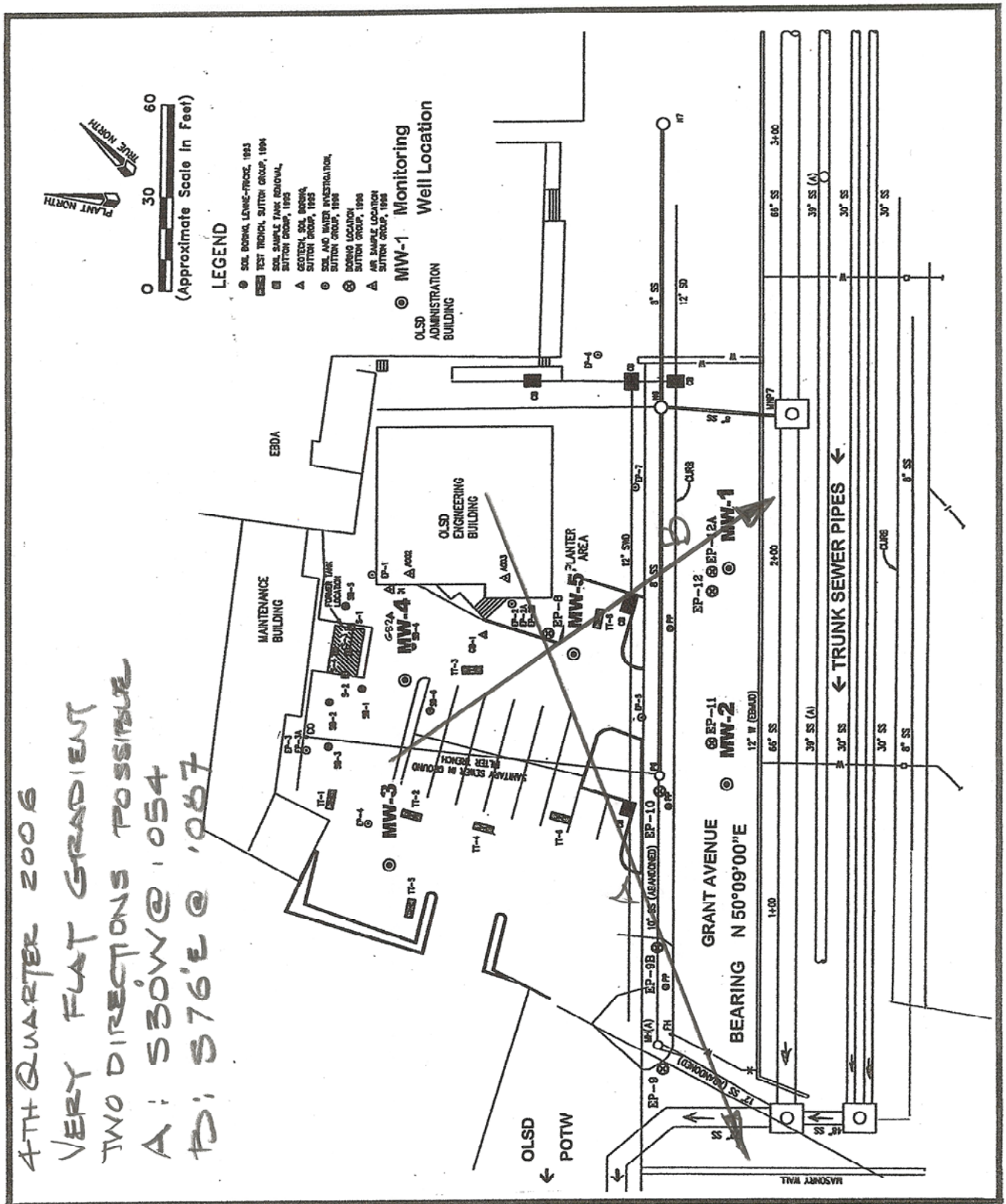


SITE PLAN

● 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



4th Quarter 2006
Very flat gradient
Two directions possible
A: S30W @ .054
D: S76'E @ .087

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

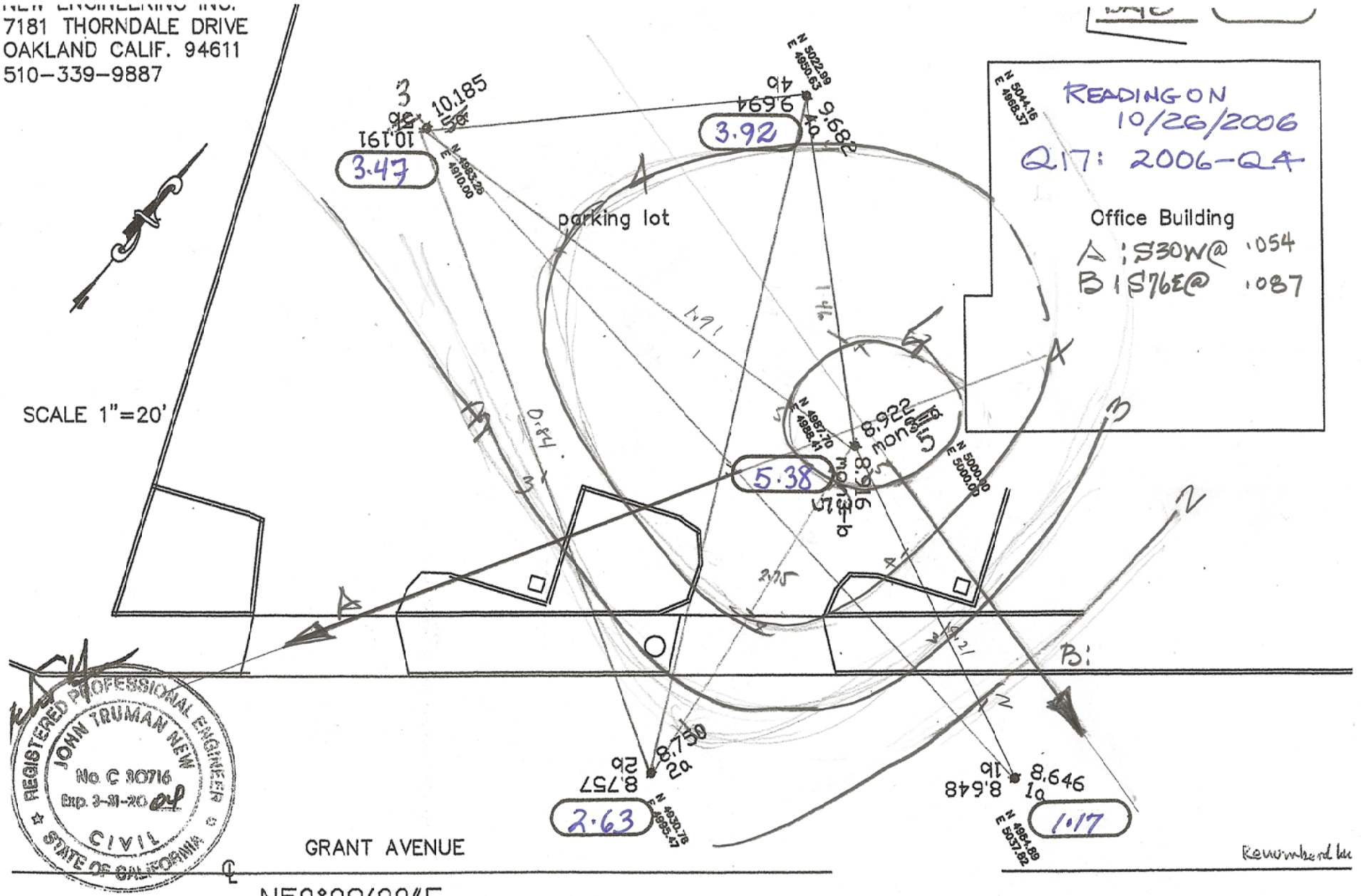
PROJECT No. 3022.10

FIGURE 2

8/2/03

3022.10 Qtly Plan Fig 2

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



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.

FIGURE 2A

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #2600 Grant Avenue	Date Sampled: 10/26/06
		Date Received: 10/30/06
	Client Contact: John Sutton	Date Reported: 11/03/06
	Client P.O.:	Date Completed: 11/03/06

WorkOrder: 0610614

November 03, 2006

Dear John:

Enclosed are:

1). the results of **4** analyzed samples from your **#2600 Grant Avenue 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.

Best regards,

Angela Rydelius, Lab Manager

061014

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 061026-AL1

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 ☒ RWQCB
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Invoice and Report to : The Sutton Group
John Sutton

email results "non-certified" as "pdf" to:
suttongeo@sbcglobal.net

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH-G by 8015	BTEX by 8021	MTBE by 8021	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB	10/26	—	W	2 ~~3~~		X	X	X				
MW-3		9:50	W	3		X	X	X				
MW-4		9:40	W	3		X	X	X				
MW-5		9:30	W	3		X	X	X				

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	10/26	10:40	Ann Lindgren

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Ann Lindgren	10/26/06	1630		10/26/06	1630
	10/30/06	1245		10/30/06	1500
	10/30/06	315			

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0610614 **ClientID: TSG**

☐ EDF ☐ Fax ☑ Email ☐ HardCop ☐ ThirdPart

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

Email:
TEL: 925-284-4208 FAX: 925-284-4189
ProjectNo: #2600 Grant Avenue
PO:

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

Requested TAT: 5 days

Date Received **10/30/2006**
Date Printed: **10/30/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0610614-002	MW-3	Water	10/26/2006	☐	A											
0610614-003	MW-4	Water	10/26/2006	☐	A											
0610614-004	MW-5	Water	10/26/2006	☐	A											

Test Legend:

1	G-MBTEX_W	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Rosa Venegas

Comments:

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

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

The Sutton Group	Client Project ID: #2600 Grant Avenue	Date Sampled: 10/26/06
3708 Mt. Diablo Blvd, Ste. 215		Date Received: 10/30/06
Lafayette, CA 94549	Client Contact: John Sutton	Date Extracted: 10/31/06
	Client P.O.:	Date Analyzed 10/31/06

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0610614

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	TB	W	ND	ND	ND	ND	ND	ND	1	103
002A	MW-3	W	91,a	46	20	ND	0.55	3.5	1	100
003A	MW-4	W	89,000,a	ND<800	13,000	1600	4300	19,000	100	106
004A	MW-5	W	55,000,a	ND<1000	14,000	430	1200	6700	200	100

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; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0610614

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 24569 Spiked Sample ID: 0610614-001A

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	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	105	105	0	101	92.8	8.71	70 - 130	30	70 - 130	30
MTBE	ND	10	103	93.5	9.25	91.6	98.9	7.70	70 - 130	30	70 - 130	30
Benzene	ND	10	102	103	0.575	99.7	95.7	4.12	70 - 130	30	70 - 130	30
Toluene	ND	10	93.3	96.9	3.85	91.9	87.3	5.17	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	97.6	102	4.02	98.8	97.6	1.15	70 - 130	30	70 - 130	30
Xylenes	ND	30	90.3	95	5.04	91	95	4.30	70 - 130	30	70 - 130	30
%SS:	103	10	107	101	5.54	101	101	0	70 - 130	30	70 - 130	30

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

NONE

BATCH 24569 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0610614-001	10/26/06	10/31/06	10/31/06 3:35 PM	0610614-002	10/26/06 9:50 AM	10/31/06	10/31/06 4:07 PM
0610614-003	10/26/06 9:40 AM	10/31/06	10/31/06 4:39 PM	0610614-004	10/26/06 9:30 AM	10/31/06	10/31/06 3:03 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.

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

DHS ELAP Certification N° 1644

QA/QC Officer

WELLHEAD INSPECTION CHECKLIST

Date 10/26/06 Client Sutton group

Site Address 2600 Grand Ave

Job Number 061026-AL1 Technician A Lindgren

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	✓							
MW-2	✓							
MW-3	~~✓~~							
MW-4	✓							
MW-5	✓							
MW-D1								

NOTES: MW-D1; ~~Broken bolt on~~ well lid, broken tab
MW-3; 4/3 tabs striped

WELL GAUGING DATA

Project # 061026-AC-1 Date 10/26/06 Client Stelton Group

Site 2602 Grant Ave, San Lorenzo

Well ID	Time	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	Notes
MW-1	7:43	2					7.48	12.32		
MW-2	7:39	2					6.12	14.97		
MW-3	~~7:50~~	2					~~6.72~~ 4.77	15.61		S
MW-4	7:54	2					5.76	14.02		S
MW-5	7:50	2					4.77	13.70		S
MW-D1	8:05	4					3.54	14.26	↓	S

WELL MONITORING DATA SHEET

Project #: 061026-AL1	Client: Sutton Group
Sampler: A Lindgren	Date: 10/26/06
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 15.61	Depth to Water (DTW): 6.72
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]: 8.49	

Purge Method: 8.89
- Bailer
- Disposable Bailer X
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer
- Disposable Bailer X
- 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
9:00	69.2	7.3	12.76	~~1000~~ 151	1.5	
9:03	69.5	6.7	25.50	123	3.0	
9:06	68.4	6.8	28.22	> 1000	4.5	
well dewatered @ 5 gal						
9:47	67.9	6.9	2308	212	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 5

Sampling Date: 10/26/06 — Sampling Time: 9:50 — Depth to Water: 13.19 sink depart

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 #: 061026-AL1	Client: Sutton Group
Sampler: A Lindgren	Date: 10/26/06
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 14.02	Depth to Water (DTW): 5.76
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]: 7.41	

Purge Method: 8.26
Bailer
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other_____

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

1.3 (Gals.) X 3 = 3.9 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	radius^2 * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
8:48	71.2	6.7	13.64	> 1000	1.3	clear
8:51	71.0	6.7	30.56	> 1000	2.6	"
well dewatered @ 2.9 gal						
9:37	71.4	6.8	5174 µs	56	—	

Did well dewater? (Yes) No Gallons actually evacuated: 2.9

Sampling Date: 10/26/06 Sampling Time: 9:40 Depth to Water: 5.94

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 #: 061026-AL1	Client: Sutton Group
Sampler: A Lindgren	Date: 10/26/06
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 13.70	Depth to Water (DTW): 4.77
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]: 6.55	

Purge Method: 8.93
- Bailer
- Disposable Bailer X
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method:
- Bailer
- Disposable Bailer X
- 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
8:33	68.2	6.6	23.38	74.	1.5	odor
8:36	69.0	6.7	28.91	> 1000	3.0	"
Well dewatered @			3.5 gal			
9:27	66.1	7.0	18.71	108	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 3.5

Sampling Date: 10/26/06 — Sampling Time: 9:30 — Depth to Water: 11.19 site depart

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 #: 061026-AC7	Client: Sutton Group
Sampler: A Lindgren	Date: 10/26/06
Well I.D.: MW-D1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.26	Depth to Water (DTW): 3.54
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]:	

Purge Method: 10.7L
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible x
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method:
- Bailer
- Disposable Bailer x
- Extraction Port
- Dedicated Tubing
- Other: ___

7 (Gals.) X 3 = 21 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
8:16	65.4	7.1	14.16	> 1000	7	odor
well dewatered @			9 gal			
9:13	66.1	7.5	15.40	236	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 8

Sampling Date: 10/26/06 — Sampling Time: 9:15 — Depth to Water: 3.48

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