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

3708 Mount Diablo Blvd
Suite 215
Lafayette, CA, 94549

February 16, 2007

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

Results of 18th 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 January 15, 2007. This is the 18th 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 District's offices and adjacent sewage treatment plant.

Groundwater Monitoring

Review of groundwater level measurements around the former gasoline tank site indicates a leveling of ground water elevation typical of seasonal conditions in recent years. The gradients are very flat. Unusual is the higher-than-expected groundwater elevation in well MW-3. Table 1 is a cumulative tabulation of groundwater data. Figure 2 shows the gradient direction as calculated on Figure 2A.

Sampling Results

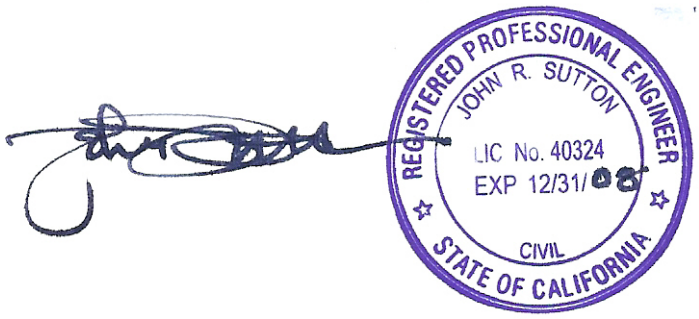
Gasoline Tank Area

On January 15th, 2007 water samples were collected from the three onsite wells and two wells in grant Avenue 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 Alameda Co web site. Geotracker formatting is in progress.
Copy with attachments in pdf and MSExcel formats 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

1ST QUARTER 2007
18th Qtly Reading 1/15/07
Onsite gradient (MW 3,4,5)
564°E @ .007'/'
Offsite gradient (MW1)
587°E @ 0.055'/'

564°E @ .007'/'

587°E @ .055'/'

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WELL LOCATION PLAN
SERVICE CENTER AREA
ORO LOMA SANITARY DISTRICT
2600 GRANT AVENUE,
SAN LORENZO, CA

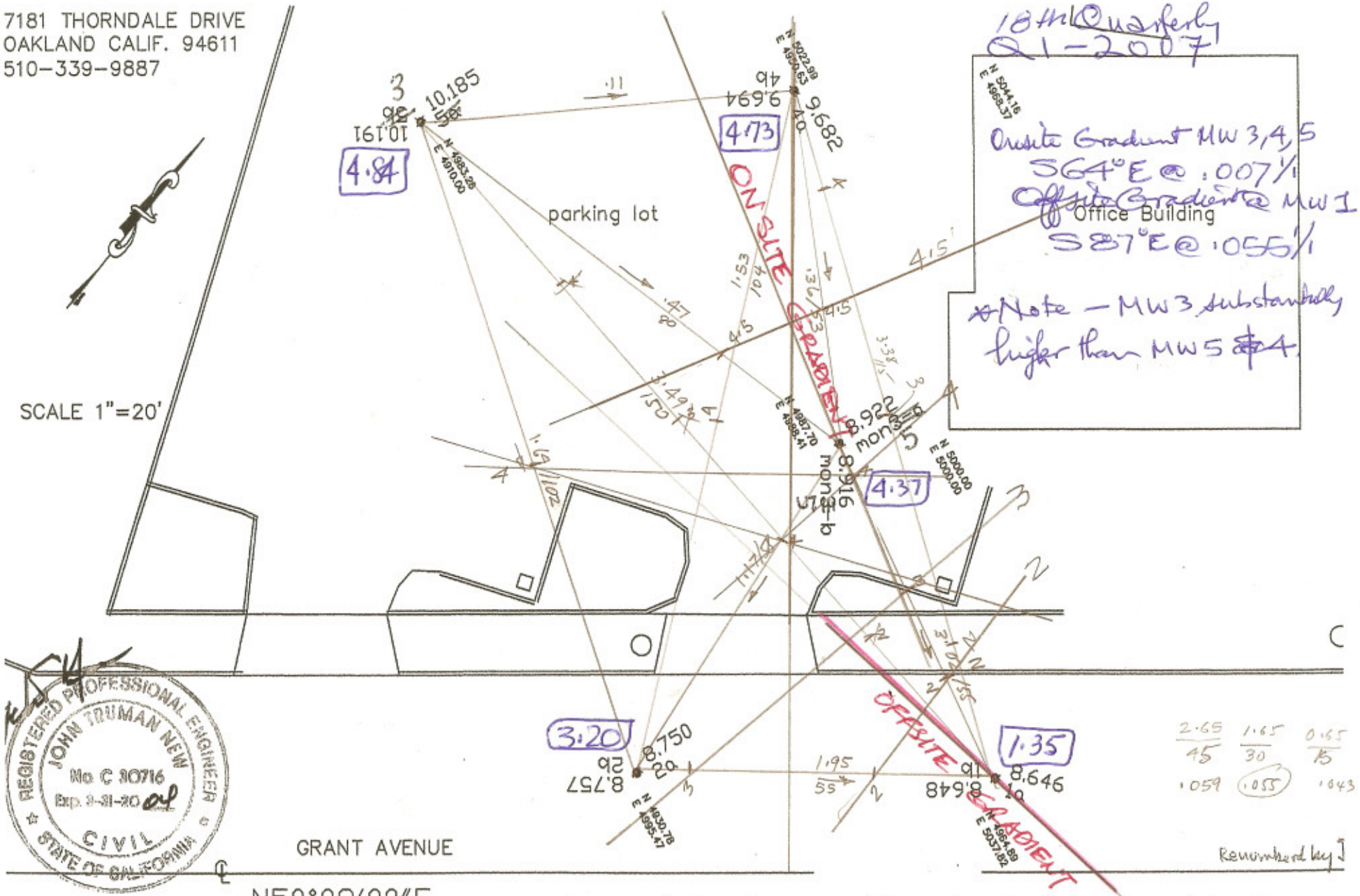
PROJECT No. 3022.10

FIGURE 2

8/2/03

3022.10 City Plan Fig 2

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



10th Quarterly
Q1-2007

Onsite Gradient MW 3,4,5
S64°E @ .007'/'
Offsite Gradient @ MW 1
S87°E @ .055'/'

* Note - MW3 substantially higher than MW5 & 4.

2.65/45 1.65/30 0.65/15
.059 (.055) .043

Remembered by J

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 Meas.	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 Quarterly	*10/26/2005*	0.79	1.72	3.69	4.10	4.20	S64°E	0.065
14th Quarterly	*1/30/2006*	1.72	3.17	4.85	4.92	4.24	S73°E	0.05
15th Quarterly	*4/18/2006*	2.17	3.44	5.94	5.09	4.25	S78°E	0.025
16th Quarterly	*7/19/2006*	1.55	2.88	4.41	4.57	4.13	S69E	0.048
17th Quarterly	*10/26/2006*	1.17	2.63	3.47	3.92	5.38	A: S30W / B:S76E	A:.054/B: .087*
Current (18th) reading on 1/15/2007								
Groundwater Depth		7.30	5.55	5.35	4.95	4.55		
Groundwater Elevation		**1.35**	**3.20**	**4.84**	**4.73**	**4.37**	**A: S64E**	**A:.007***
Change Since 10/26/2006		0.18	0.57	1.37	0.81	-1.01	**B:S87E**	**B: .055***
Change since same Qtr, last year		-0.37	0.03	-0.01	-0.19	0.13		

***** 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. "A" is interpreted to be the natural gradient due of baylands and San Francisco Bay**
"B" is the local "forced" gradient due to the dewatering effect of the gravel-bedded sanitary sewer line trenches.

TABLE 2

SUMMARY OF GROUND WATER SAMPLE ANALYSES

total petroleum hydrocarbons as gasoline, btex and mtbe

EPA METHOD 8015Cm /8021

results in µg/l (ppb)

Sample Location	*Sample Date*	*Gasoline*	*Benzene*	*Toluene*	*Ethyl Benzene*	*Xylenes (total)*	*MTBE*	*Dilution Factor*
MW-1	*1/15/2007*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	1
MW-2	*1/15/2007*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	1
MW-3	*1/15/2007*	*ND*	*3.8*	*ND*	*ND*	*ND*	*32*	1
MW-4	*1/15/2007*	*65,000*	*10,000*	*570*	*3,300*	*13,000*	*ND<250*	50
MW-5	*1/15/2007*	*34,000*	*11,000*	*88*	*720*	*2,600*	*ND<250*	50
Trip Blank	*10/26/2006*	*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
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
	1/15/2007	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***
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	
	1/15/2007	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	
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	1.0	nd	4.0	66	
	7/19/2006	140	61	ND	0.57	0.89	44	
	10/26/2006	91	20	nd	0.55	3.5	46	
	1/15/2007	***ND***	***3.8***	***ND***	***ND***	***ND***	***32***	
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
	1/15/2007	***65,000***	***10,000***	***570***	***3,300***	***13,000***	***nd< 250***
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	1200	6,700	nd<1,000
	1/15/2007	***34,000***	***11,000***	***88***	***720***	***2,600***	***ND<250***

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.

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME The Sutton Grp.				PROJECT NUMBER 070115-551			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
myron L Ultrameter	607201	1/15/07 1015	ph 7.00	7.15	7.00	50°F	RS
↓	↓	↓	ph 4.00	3.98	4.00	"	RS
↓	↓	↓	Cond. 3900	3831	3900 µs	"	RS

WELLHEAD INSPECTION CHECKLIST

Date 1/15/07 Client The Sutton Grp.

Site Address 2600 GRANT AVE., SAN LORENZO

Job Number 070115-551 Technician SOOCH

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

NOTES: MW-3: NO LOCK, 1/3 BOLTS MISSING, 1 STRIPPED TAB.

MW-5: NO LOCK

MW-1: NO LOCK

WELL GAUGING DATA

Project # 070115.551 Date 1/15/07 Client The Sutton Grp.

Site 2600 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	1040	2					7.30	12.40		
MW-2	1108	2					5.55	15.30		
MW-3	1022	2				~~10~~	~~5.00~~ 5.35	15.40		~~Hydrocarbon~~
MW-4	1033	2					4.95	14.00		
MW-5	1026	2					4.55	13.80	↓	no

WELL MONITORING DATA SHEET

Project #: 070115-551	Client: The Sutton Gap
Sampler: Sooch	Date: 1/15/07
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.40	Depth to Water (DTW): 7.30
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: Bailer, (Disposable Bailer), Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

0.8 (Gals.) X 3 = 2.4 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
1047	61.4	6.6	38,450	2	0.8	mild H2S odor, clear, lesh yellow tint
1051	64.4	6.4	53,540	2	1.6	" "
	well	dewatered @			2 gal.	DTW = 11.00
1100	61.7	6.6	59,250	46	—	dark

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

Sampling Date: 1/15/07 — Sampling Time: 1100 — Depth to Water: 10.85 (STREET way)

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

* REACTION IN VOA, ~~USED~~ RINSED & NP.

WELL MONITORING DATA SHEET

Project #: 070115-SS1	Client: The Sutton Group
Sampler: Sooch	Date: 1/15/07
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 15.30	Depth to Water (DTW): 5.55
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: (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
1113	62.8	7.3	8117	20	1.5	almost clear
1116	64.6	7.1	7990	27	3.0	"
1119	65.5	7.0	6690	41	4.5	"

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

Sampling Date: 1/15/07 Sampling Time: 1125 Depth to Water:

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 #: 070115.551	Client: The Sutton Grp.
Sampler: Sooch	Date: 1/15/07
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 15.40	Depth to Water (DTW): 5.35
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: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: ~~Bailer~~, Disposable Bailer, Extraction Port, Dedicated Tubing, Other:

1.6 (Gals.) X 3 = 4.8 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
1135	61.8	6.9	5995	7	1.6	clear
1140	63.0	6.6	12,770	4	3.2	"
1145	64.5	6.6	27,970	94	5.0	cloudy
	well dewatered	on last	case vol.			14.96

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

Sampling Date: 1/15/07 Sampling Time: 1220 Depth to Water: 11.60 @ 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 #: 070115-581	Client: The Sutton Grp.
Sampler: Sodh	Date: 1/15/07
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 14.00	Depth to Water (DTW): 4.95
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: (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
1210	63.7	7.0	7366	47	1.4	yellow tint, gas odor
1215	66.0	6.6	17,120	28	2.8	" "
	well dewatered @				3.0 gal	DTW = 13.00
1250	65.1	6.8	22,180	38	—	gas odor

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

Sampling Date: 1/16/07 — Sampling Time: 1250 — Depth to Water: 6.33 @ depart.

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	

W[illegible] MONITORING DATA SHEET

Project #: 070115-551	Client: The Seton Grp
Sampler: Brad	Date: 1/15/07
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.80	Depth to Water (DTW): 4.55
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: • Disposable Bailer; Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: • Disposable Bailer; 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
1155	62.6	7.2	5802	4	1.5	clear/gas odor
1200	63.2	6.6	19.880	4	3.0	"
	Well dewatered @				3 gal	DTW= 11.95
1236	65.2	6.7	29.330	48	—	

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

Sampling Date: 1/15/07 Sampling Time: 1236 Depth to Water: 11.45 after dewat

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

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: #070115-551	Date Sampled: 01/15/07
		Date Received: 01/16/07
	Client Contact: John Sutton	Date Reported: 01/23/07
	Client P.O.:	Date Completed: 01/23/07

WorkOrder: 0701306

January 23, 2007

Dear John:

Enclosed are:

1). the results of **6** analyzed samples from your **#070115-551 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

BLAINE TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 070115-551

CLIENT: The Sutton Group

SITE: 2600 Grant Ave.
San Lorenzo, CA

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

SPECIAL INSTRUCTIONS

Invoice and Report to : The Sutton Group
John Sutton
Please provide results in EDF format to John Sutton @ suttongeo@sbcglobal.net
Global ID = T0600101928

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	TPH-G by 8015	BTEX by 8021	MTBE by 8021	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB	1/15	—	W	2 ~~3~~		X	X	X				
MW-1	1/15	1100	W	3		X	X	X	# reaction : used NP VOA's			
MW-2	1/15	1125	W	3		X	X	X				
MW-3	1/15	1220	W	3		X	X	X				
MW-4	1/15	1250	W	3		X	X	X				
MW-5	1/15	1236	W	3		X	X	X				

ICE/t° 7.6C
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ✓ CONTAINERS
DECHLORINATED IN LAB PRESERVED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓			

SAMPLING COMPLETED DATE 1/15/07 TIME 1300
SAMPLING PERFORMED BY Suchteon Sung

RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY	DATE 1/15/07	TIME 1445	RECEIVED BY (Sample Custody)	DATE 1/15/07 ~~1450~~	TIME ~~1450~~ 14
RELEASED BY	DATE 1/16/07	TIME 1550	RECEIVED BY ADL	DATE 1/16/07	TIME 1550
RELEASED BY ADL	DATE 1-16-07	TIME 6:25	RECEIVED BY ~~Fed Ex~~	DATE 1/16	TIME 1900

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: 0701306 **ClientID: TSG**

☐EDF ☐Fax ☐Email ☐HardCopy ☐ThirdParty

Report to:
John Sutton
The Sutton Group
3708 Mt. Diablo Blvd, Ste. 215
Lafayette, CA 94549
Email: suttongeo@sbcglobal.net
TEL: (925) 944-2856 FAX: 925-284-4189
ProjectNo: #070115-551
PO:

Bill to:
,

Requested TAT: **5 days**

Date Received: **01/16/2007**
Date Printed: **01/16/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0701306-001	TB	Water	1/15/07	☐	A											
0701306-002	MW-1	Water	1/15/07 11:00:00	☐	A											
0701306-003	MW-2	Water	1/15/07 11:25:00	☐	A											
0701306-004	MW-3	Water	1/15/07 12:20:00	☐	A											
0701306-005	MW-4	Water	1/15/07 12:50:00	☐	A											
0701306-006	MW-5	Water	1/15/07 12:36:00	☐	A											

Test Legend:

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

Prepared by: Lisa Cavalier

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.

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Telephone: 877-252-9262 Fax: 925-252-9269

The Sutton Group	Client Project ID: #070115-551	Date Sampled: 01/15/07
3708 Mt. Diablo Blvd, Ste. 215		Date Received: 01/16/07
Lafayette, CA 94549	Client Contact: John Sutton	Date Extracted: 01/19/07-01/20/07
	Client P.O.:	Date Analyzed 01/19/07-01/20/07

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0701306

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	TB	W	ND	ND	ND	ND	ND	ND	1	89
002A	MW-1	W	ND	ND	ND	ND	ND	ND	1	87
003A	MW-2	W	ND	ND	ND	ND	ND	ND	1	91
004A	MW-3	W	ND	32	3.8	ND	ND	ND	1	84
005A	MW-4	W	65,000,a	ND<250	10,000	570	3300	13,000	50	96
006A	MW-5	W	34,000,a	ND<250	11,000	88	720	2600	50	93

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

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0701306

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 25753 Spiked Sample ID: 0701297-003A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	101	129	24.0	97.1	98.5	1.46	70 - 130	30	70 - 130	30
MTBE	ND	10	95.7	82.8	14.5	90	91.1	1.17	70 - 130	30	70 - 130	30
Benzene	ND	10	98.9	90.6	8.75	102	95.5	6.35	70 - 130	30	70 - 130	30
Toluene	ND	10	94	91.3	2.95	91.5	87.1	4.94	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	84.6	91	7.27	95	88.3	7.32	70 - 130	30	70 - 130	30
Xylenes	ND	30	85.7	86	0.388	95.3	91.7	3.92	70 - 130	30	70 - 130	30
%SS:	102	10	114	103	10.5	106	96	9.81	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 25753 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0701306-001	1/15/07	1/19/07	1/19/07 7:23 PM	0701306-002	1/15/07 11:00 AM	1/19/07	1/19/07 7:57 PM
0701306-003	1/15/07 11:25 AM	1/19/07	1/19/07 8:30 PM	0701306-004	1/15/07 12:20 PM	1/20/07	1/20/07 11:38 AM
0701306-005	1/15/07 12:50 PM	1/19/07	1/19/07 3:29 PM	0701306-006	1/15/07 12:36 PM	1/19/07	1/19/07 2:55 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