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Alameda County Environmental Health

October 29, 2012

Ms. Donna Drogos Alameda County Environmental Health 1131 Harbor Parkway, Suite 250 Oakland, CA 94502-6577

Subject:

Fourth Quarter 2005 Monitoring Report

Stop N Save Inc.

20570 Stanton Avenue, Castro Valley, Alameda County, California

RO #0000179 ECG # SNS.18281

Dear Ms. Drogos:

Enclosed please find a copy of the January 11, 2006, Fourth Quarter 2005 Monitoring Report for the above referenced site prepared by our consultant Enviro Soil Tech Consultants.

I declare, under penalty and perjury, that the information and/or recommendations contained in this report are true and correct to the best of my knowledge.

Respectfully,

Sean Kapoor

# FOURTH QUARTER OF 2005 GROUNDWATER MONITORING AND SAMPLING AT THE PROPERTY LOCATED AT 20570 STANTON AVENUE CASTRO VALLEY, CALIFORNIA JANUARY 11, 2006

PREPARED FOR: MR. SEAN KAPOOR 25064 VIKING STREET HAYWARD, CALIFORNIA 94545

BY: ENVIRO SOIL TECH CONSULTATNS 131 TULLY ROAD SAN JOSE, CALIFORNIA 95111

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Entech Analytical Labs Report and Chain-of-Custody Record

January 11, 2006

File No. 2-00-706-ST

Mr. Sean Kapoor Stop 'N Save, Inc. 25064 Viking Street Hayward, California 94545

# SUBJECT: FOURTH QUARTER OF 2005 GROUNDWATER MONITORING & SAMPLING AT THE PROPERTY

Located at 20570 Stanton Avenue, in Castro Valley, California

Dear Mr. Kapoor:

This report presents the fourth quarter of 2005 groundwater monitoring and sampling results that were conducted by Enviro Soil Tech Consultants (ESTC), on December 12, 2004, at the subject site (Figure 1).

Three monitoring wells (STMW-1, STMW-2 and STMW-3) are located on-site. The locations of the wells are shown on Figure 2. This quarterly monitoring and sampling was conducted in accordance with ESTC's recommendations made in "Preliminary Soil and Groundwater Assessment at the Property...", dated October 13, 2000.

1

File No. 2-00-706-ST

GENERAL MANAGER

It is the responsibility of the owner and/or his/her representative agent to make sure a copy of this report is sent to Alameda County Health Care Services Agency (ACHCSA) and California Regional Water Quality Control Board-San Francisco Bay Region (CRWQCB-SFBR) for their comments and recommendations.

If you have any questions or require additional information, please feel free to contact our office at (408) 297-1500,

Sincerely,

ENVIRO SOIL TECH CONSULTANTS

LAWRENCE KOO, P. E. C. E. #34928

#### **PURPOSE:**

The purpose of this investigation was to determine the direction of groundwater flow and the extent of subsurface hydrocarbon contamination at the subject site.

The groundwater monitoring and sampling was conducted in accordance with ESTC's Standard Operation Procedure (SOP) and Alameda County Health Care Services Agency (ACHCSA) guidelines.

#### **SITE DESCRIPTION:**

The site is located at the southeast corner of San Carlos Avenue and Stanton Avenue, in Castro Valley, California (Figure 1). The site is currently used as a quick stop mini mart. The site is relatively flat, and the surrounding properties are primarily residential and light commercial businesses.

#### **BACKGROUND:**

On February 24, 2000, two 10,000gallon underground storage gasoline tanks were removed by Johnson Tank Testing and Maintenance.

During tanks removal activities, ESTC was retained by Mr. Randy Johnson of Johnson Tank Testing and Maintenance to conduct soil sampling from the tanks excavations. In addition, at the request of Mr. Robert Weston of ACHCSA-EHS, soil sampling was also conducted on the stockpiled soil and between the two removed underground storage tank areas. All soil sampling activities were conducted under the supervision of Mr. Robert Weston of ACHCSA-EHS.

The soil samples from the tanks and from between the tanks area were collected at approximately 2 feet below the excavation areas.

The four soil samples from the two 10,000 gallon UST excavations areas detected TPHg upto 11 milligram per kilogram (mg/Kg), and the maximum levels detected BTEX were (0.07 mg/Kg; 0.26 mg/Kg; 0.15 mg/Kg and 1.1 mg/Kg), respectively. MTBE in this area ranged between 0.11 mg/Kg to a maximum of 3.8 mg/Kg.

The soil samples between the two USTs area detected TPHg at 71 mg/Kg; BTEX at (0.22 mg/Kg; 0.47 mg/Kg; 0.49 mg/Kg and 3.7 mg/Kg, respectively) and MTBE at 1.2 mg/Kg.

The stockpiled soil samples detected TPHg upto 1,100 mg/Kg; BTEX at (4.2 mg/Kg; 22 mg/Kg; 12 mg/Kg and 110 mg/Kg); MTBE at 12 mg/Kg and Total lead at 11 mg/Kg.

The details of soil sampling are described in ESTC's report entitled "Soil Sampling Beneath Removed USTs at the Property...", dated March 8, 2000.

Since concentrations of TPHg, BTEX and MTBE were detected in the soil samples collected during USTs removal, further investigation was verbally requested by the Alameda County Health Care Services Agency (ACHCSA).

EST was retained by Mr. Sean Kapoor to conduct further investigation as requested by ACHCSA. A detailed proposed work plan, which was prepared by ESTC for the further investigation of the property, is described in a report entitled "Proposed Work Plan for Preliminary Site Assessment for the Property...", dated May 18, 2000.

On July 25 and 26, 2000, ESTC over-excavated the contaminated soil in the vicinity of former gasoline tanks areas to a practical extent. Approximately 150 cubic yards of contaminated soil was over-excavated.

Excavated soil from the removed USTs and over-excavation activities were stored on-site, sampled prior to treatment and treated by bio-remediation on a weekly basis. The details of the bio-remediation activities of the stockpiled soil is described in ESTC's report entitled "Interim Corrective Action for the Property...", dated August 17, 2000.

ESTC sampled the stockpiled soil to confirm if bio-treatment of the stockpiled soil was successful in reducing the contamination levels in the stockpiled soil. Upon approval of acceptance from Republic Services Vasco Road Landfill (former BFI Landfill), approximately 500 yards of soil were disposed at Republic Services Landfill in the City of Livermore. The details of sampling and disposal activities is described in ESTC's report entitled "Soil Sampling, Treatment and Disposal of Contaminated Stockpiled Soil from the Property...", dated August 21, 2000.

After ESTC's work plan (dated May 18, 2000) was approved by the Alameda County Health Cares Services Agency (ACHCSA), ESTC performed a preliminary soil and groundwater assessment of the subject property in September 2000.

The details of the preliminary soil and groundwater assessment are described in ESTC's report entitled "Preliminary Soil and Groundwater Assessment at the Property...", dated October 13, 2000. The report recommended quarterly monitoring and sampling of the on-site wells for at least one year.

Up-to-date, ESTC has conducted one quarterly groundwater monitoring and sampling of the on-site wells. The details of groundwater monitoring and sampling are described in ESTC's report entitled "Quarterly Groundwater Monitoring and Sampling at the Property...", dated January 19, 2001.

During concrete paving of the subject property parking lot done by Kapoor Enterprises' contract, two of the wells were damaged. ESTC halted the quarterly groundwater monitoring and sampling events until the wells were fixed.

Up to date ESTC has conducted has continued to conduct quarterly groundwater monitoring and sampling of the monitoring wells. The details of these quarterly groundwater monitoring and sampling are described in the reports dated April 23, 2004; July 20, 2004; January 28, 2005; April 22, 2005; August 31, 2005 and October 28, 2005.

#### **SCOPE OF PRESENT WORK:**

- Measured depth-to-water table in the three on-site wells STMW-1, STMW-2 and STMW-3 and monitored for presence of any floating product and/or odor.
- Purged each monitoring well prior to sampling.
- Sampled monitoring wells STMW-1, STMW-2 and STMW-3 for laboratory analyses.
- Submitted water samples to a State-Certified laboratory for analyses of Total Petroleum Hydrocarbons as gasoline (TPHg), BTEX, MTBE and other hydrocarbon fuel oxygenated constituents per EPA Method 8260B.
- Reviewed results and prepared a report of the investigation.

#### FIELD ACTIVITIES:

The three monitoring wells (STMW-1 through STMW-3) were monitored for the presence of floating product(s) and/or any distinctive odor. Groundwater samples were collected and submitted to a state-certified laboratory for analyses.

#### GROUNDWATER MONITORING:

On December 12, 2005, ESTC's staff monitored three on-site wells to measure water depth and check for the presence of sheen and/or odor.

The recent water measurement revealed that the wells screens are submerged at least 6 to 8 feet.

During monitoring of the wells, rainbow sheen and sewerage odor were noted in groundwater sample from monitoring well STMW-1. Sewerage odor was noted in groundwater sample from monitoring well STMW-2, but no sheen or odor was noted in groundwater sample from well STMW-3.

#### GROUNDWATER SAMPLING:

Water samples from the three monitoring wells (STMW-1, STMW-2 and STMW-3) were collected and analyzed for TPHg, BTEX, MTBE and other hydrocarbon fuel oxygenate constituents per EPA Method 8260B. Approximately four to five well volumes of water was purged from each well using a bailer before the sample was collected in order to assure that the sample was representative of surrounding groundwater. A stainless steel bailer was used for sample collection. Water sampling

equipment was decontaminated before and after each well sampling using Tri-sodium Phosphate (TSP) and water wash, followed by double rinsing. Groundwater samples were contained in 40-milliliter glass vials with Teflon-lined septa. After labeling, they were immediately stored in a cold ice chest. Strict chain-of-custody procedures were maintained during sample acquisition, storage and transport. The sampling was conducted in accordance with ESTC's Standard Operation Procedures (Appendix "C").

#### **ANALYTICAL RESULTS:**

The water samples from the monitoring wells were submitted to Entech Analytical Labs, in Santa Clara, California to be analyzed for TPHg, BTEX, MTBE and other hydrocarbon fuel oxygenated constituents (per EPA Method 8260B).

Groundwater samples from monitoring wells detected TPHg ranging from non-detectable (wells STMW-2 and STMW-3) to the maximum of 130 microgram per liter ( $\mu$ g/L) (well STMW-1), Benzene ranging from non-detectable (STMW-3) to maximum of 4.4  $\mu$ g/L (STMW-1), Toluene ranging from non-detectable (STMW-2 and STMW-3) to maximum of 7.5  $\mu$ g/L (STMW-1); Ethylbenzene ranging from non-detectable (STMW-3) to maximum of 0.6  $\mu$ g/L (STMW-2); Total Xylenes ranging from non-detectable (STMW-3) to maximum of 3.4  $\mu$ g/L (STMW-1), and MTBE ranging from non-detectable (STMW-3) to maximum of 170  $\mu$ g/L (STMW-1). Water samples from monitoring well STMW-1 detected tert-Butanol (TBA) at 100  $\mu$ g/L, and monitoring well STMW-2 detected tert-Butanol (TBA) at 22  $\mu$ g/L. Monitoring well STMW-1 detected Acetone at 61  $\mu$ g/L and Carbon Disulfide at 4.1  $\mu$ g/L in the groundwater sample. A summary of groundwater monitoring data and analytical results are presented in Table 1 (Appendix "A"). The laboratory analytical report is included in Appendix "E".

#### **GROUNDWATER FLOW DIRECTION:**

In order to estimate groundwater gradient and flow direction, a level and depth survey was conducted. Depths to groundwater were measured relative to an arbitrarily established datum assumed to be 100 feet above sea level. Well casing and ground surface elevations are summarized in Table 1. The results of this investigation indicated westerly direction of groundwater flow as of December 12, 2005.

#### **SUMMARY:**

Rainbow sheen and sewerage odor were noted in monitoring well STMW-1, and sewerage odor was noted in well STMW-2 but no sheen or order was noted in well STMW-3.

One out of three wells detected TPHg, TEX and other fuel hydrocarbon oxygenated compounds in the water samples. Two out of three wells detected Benzene, MTBE and TBA in the water samples.

#### **RECOMMENDATIONS:**

Since one out of three monitoring wells detect dissolved TPHg, and two out of three monitoring wells detected Benzene and MTBE in the groundwater, ESTC recommends continuation of quarterly groundwater monitoring and sampling of on-site monitoring wells. Furthermore, since the screens of all the wells are submerged, water samples may not be representative of the surrounding groundwater; therefore, we recommend further investigation and/or replacement of the existing wells.

#### **LIMITATIONS:**

This report and the associated work have been provided in accordance with the general principles and practices currently employed in the environmental consulting profession. The contents of this report reflect the conditions of the site at this particular time. The findings of this report are based on:

- 1) The observations of field personnel.
- 2) The results of laboratory analyses performed by a state-certified laboratory.

It is possible that variations in the soil and groundwater could exist beyond the points explored in this investigation. Also, changes in groundwater conditions of a property can occur with the passage of time due to variations in rainfall, temperature, regional water usage and other natural processes or the works of man on this property or adjacent properties.

This report is issued with the understanding that it is the responsibility of the owner or his/her representative to ensure that the information and recommendations contained herein are called to the attention of the Local Environmental Agency.

Services performed by ESTC have been in accordance with generally accepted environmental professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. This report is not meant to represent a legal opinion. No other warranty, express or implied is made.

# APPENDIX "A"

# **TABLES**

# TABLE 1 GROUNDWATER MONITORING DATA (feet) AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	ТРНд	В	Т	E	X	MTBE	PCE	TBA	TCE	Other VOCs by EPA 8260B	
10/04/00	STMW-1 (97.93)	23	14	8.34*	89.59	No sheen Light petroleum odor	60000	ND <2500	ND <2500	ND <2500	ND <2500	69000	ND <2500	ND <10000	ND <2500	None Detected<2500	
1/04/01				7.86*	90.07	No sheen Light sewerage odor	71000	ND <5000	ND <5000	ND <5000	ND <5000	89000	ND <5000	ND <20000	ND <5000	None Detected<5000	
3/16/04				5.70*	92.23	No sheen Sewerage odor	260	52	64	7.9	27	39	ND ,0.5	ND<10	ND <0.5	1,2,4-Trimethylbenzen 2-Butanone (MEK) Acetone Carbon Disulfide Styrene	21 22 0.75 1.5
7/05/04				4.82*	93.11	No sheen Sewerage odor	2100	17	240	2.6	12	520	ND <2.5	ND<50	ND <2.5	Acetone	820
12/28/04				6.82*	91.11	No sheen Sewerage odor	310	89	90	11	43	32	ND<1	ND<20	ND<1	None Detected<1	
3/24/05				5.63*	92.30	Rainbow sheen Sewerage odor	630	43	140	16	110	20	ND<1	ND<20	ND<1	1,2,4-Trimethylbenzen Acetone	ne 13 46
7/20/05				5.75*	92.18	No sheen Sewerage odor	330 <b>b</b>	12	22	ND <2.5	9.3	310	ND <2.5	ND<50	ND <2.5	Chloroform Methylene Chloride	23 40
9/15/05				7.44*	90.49	Rainbow sheen Sewerage odor	15000	ND <100	ND <100	ND <100	ND <100	13000	ND <100	2500	ND <100	None Detected<100	
12/12/05				5.32*	92.61	Rainbow sheen Sewerage odor	130	4.4	7.5	ND<1	3.4	170	ND<1	100	ND<1	Acetone Carbon Disulfide	61 4.1
10/04/00	STMW-2 (99.04)	22	13	8.22*	90.82	No ashen or odor	69	ND<5	ND<5	ND<5	ND<5	66	ND<5	ND<20	ND<5	None Detected<5	
1/04/01				6.70*	92.96	No sheen or odor	110	ND<5	ND<5	ND<5	ND<5	120	ND<5	ND<20	ND<5	None Detected<5	
3/16/04				6.08*	92.96	No sheen Sewerage odor	1100 <b>a</b>	ND<1 0	ND<10	ND<1 0	ND<20	1700	ND <10	ND <200	ND <10	None Detected<10	
7/05/04				6.86*	92.18	No sheen or odor	1800 <b>b</b>	ND<1 0	ND<10	ND<1 0	ND<20	1800	ND <10	ND <200	ND <10	None Detected<10	
12/28/04				6.22*	92.82	No sheen or odor	1000 <b>b</b>	ND<1	ND<13	ND<1	ND<13	1400	ND <13	ND <250	ND <13	None Detected<13	
3/24/05				5.12*	93.92	No sheen Sewerage odor	760	ND<5	ND<5	ND<5	ND<5	930	ND<5	180	ND<5	None Detected<5	
7/20/05				5.66*	93.38	No sheen Sewerage odor	64	ND<1	ND<1	ND<1	ND<1	43	ND<1	920	ND<1	None Detected<1	
9/15/05				6.14*	92.90	No sheen or odor	53	ND<1	ND<1	ND<1	ND<1	88	ND<1	130	ND<1	None Detected<1	

# TABLE 1 CONT'D GROUNDWATER MONITORING DATA (feet) AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	ТРНд	В	Т	E	X	MTBE	PCE	TBA	TCE	Other VOCs by EPA 8260B
12/12/05	STMW-2 (99.04)	22	13	6.68*	92.36	No sheen Sewerage odor	ND<50	2.2	ND <0.5	0.6	ND <0.5	23	ND <0.5	22	ND <0.5	None Detected<0.5
10/04/00	STMW-3 (99.60)	22	13	8/.42*	91.18	No sheen or odor	ND<50	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	None Detected<5
1/04/01				6.16*	93.44	No sheen or odor	ND<50	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	None Detected<5
3/16/04				7.18*	92.42	No sheen or odor	ND<50	ND <0.5	ND <0.5	ND <0.5	ND<1	2.8	ND <0.5	ND<10	ND <0.5	None Detected<0.5
7/05/04				6.27*	93.33	No sheen or odor	ND<25	ND <0.5	ND <0.5	ND <0.5	ND<1	2.5	ND <0.5	ND<10	ND <0.5	None Detected<0.5
12/28/04				5.64*	93.96	No sheen or odor	ND<25	ND <0.5	ND <0.5	ND <0.5	ND <0.5	2	ND <0.5	ND<10	ND <0.5	None Detected<0.5
3/24/05				5.12*	94.48	No sheen or odor	ND<25	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.4	ND <0.5	ND<10	ND <0.5	None Detected<0.5
7/20/05				5.50*	94.10	No sheen or odor	ND<50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.5	ND <0.5	ND<10	ND <0.5	None Detected<0.5
9/15/05				5.56*	94.04	No sheen or odor	ND<50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.2	ND <0.5	ND<10	ND <0.5	None Detected<0.5
12/12/05				6.26*	93.34	No sheen or odor	ND<50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND<1	ND <0.5	ND <0.5	ND <0.5	None Detected<0.5

TPHg - Total Petroleum Hydrocarbons as gasoline

MTBE – Methyl Tertiary Butyl Ether

**TBA** – Tertiary Butanol

**VOCs** – Other Fuel Hydrocarbon Oxygenated Compounds

Perf. - Perforation

**ND** – Not Detected (Below Laboratory Reporting Limit)

BTEX – Benzene, Toluene, Ethylbenzene, Total Xylenes

**PCE** – Tetrachloroethene

TCE - Trichloroethene

**GW Elev.** – Groundwater Elevation

\* Well screens are submerged

**a** – No other indication of gasoline besides MTBE

b – TPH as gasoline reported value due to high concentration of MTBE present in the TPH as gasoline quantitation range

#### TABLE 2 SUMMARY OF MONITORING WELLS DATA IN FEET

Well No.	Well Diameter (inch)	Depth of Well	Depth of Perforation	Depth of Blank	Depth of Cement	Depth of Bentonite	Depth of Sand
STMW-1	2	23	14	9	$7\frac{1}{2}$	1/2	15
STMW-2	2	22	13	9	$7\frac{1}{2}$	1/2	14
STMW-3	2	_	13	9	7½	1/2	14

# APPENDIX "B"

# **FIGURES**

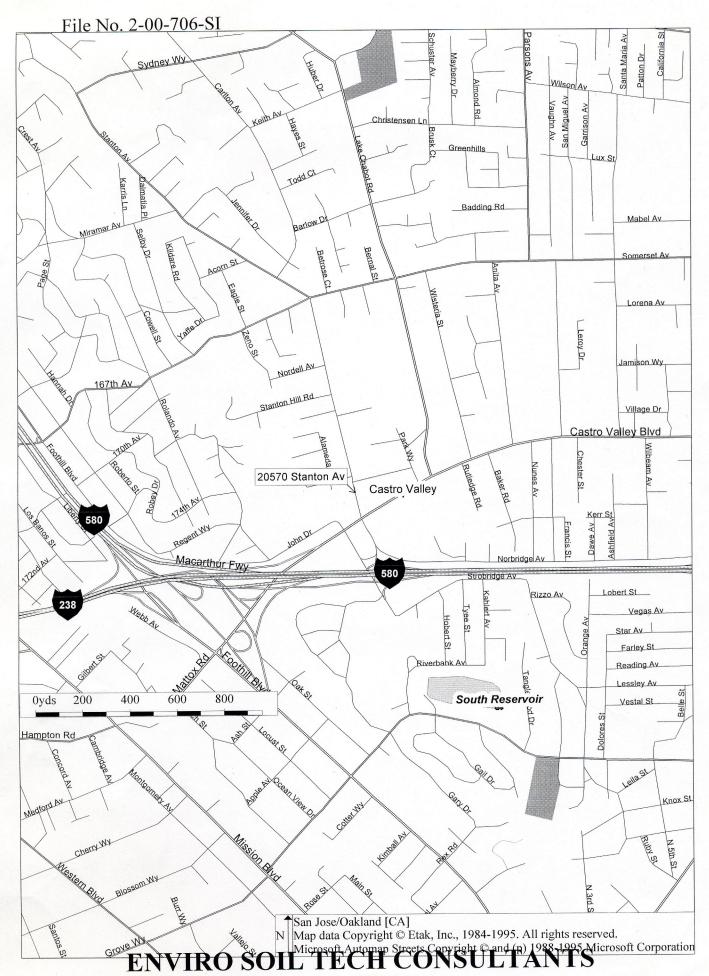


Figure 1

131 Tully Road San Jose, CA 95112

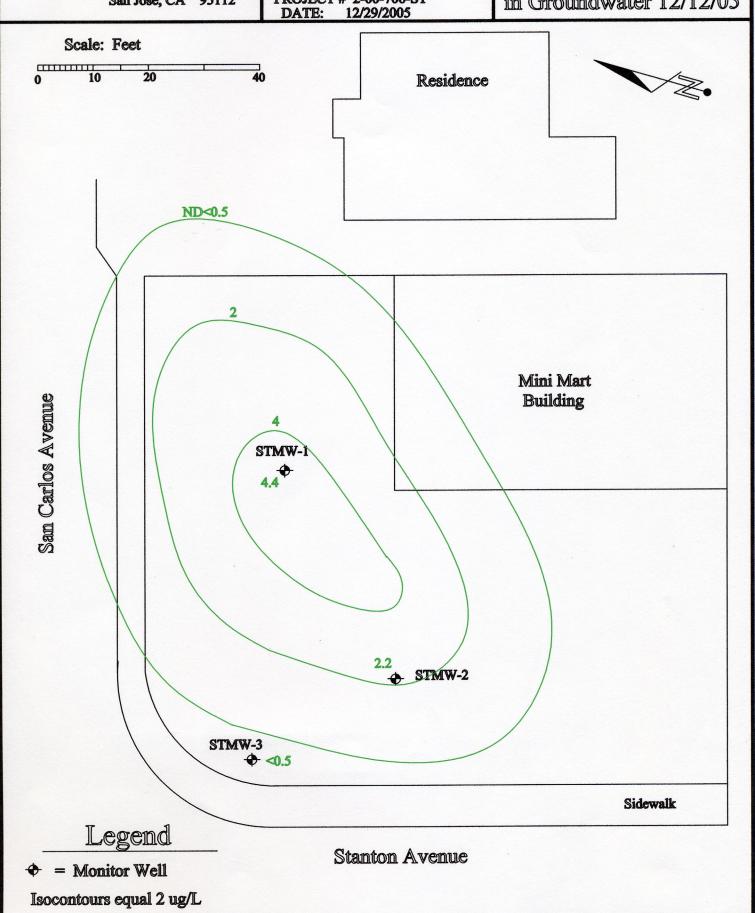
**PROJECT** 

20570 Stanton Avenue Castro Valley, California

PROJECT # 2-00-706-ST

Figure

Isocontours of Benzene in Groundwater 12/12/05



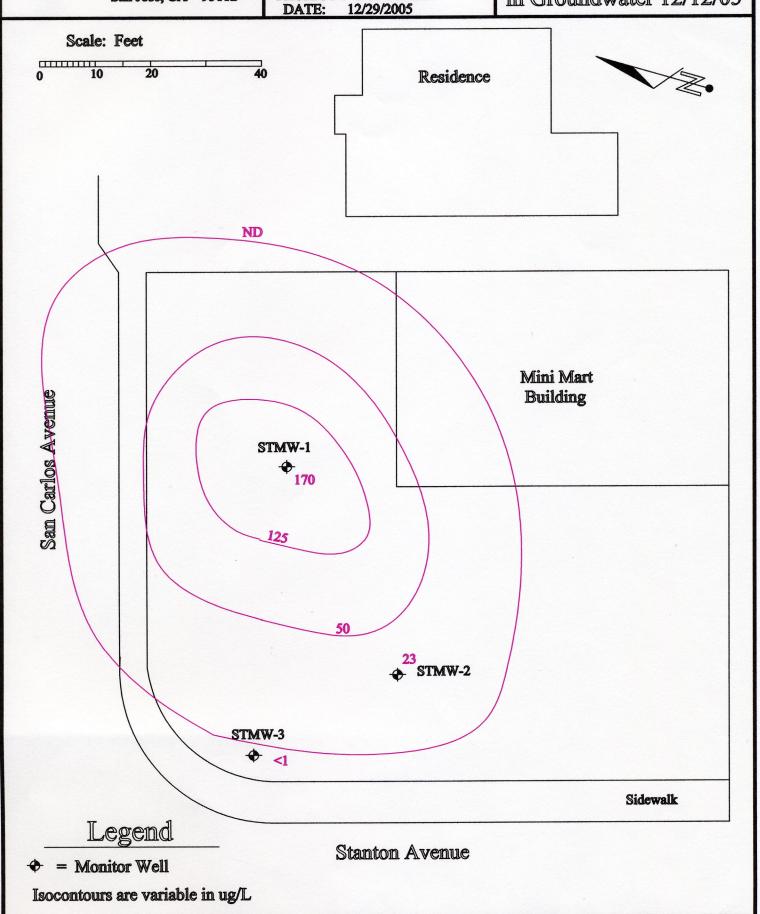
131 Tully Road San Jose, CA 95112 PROJECT

20570 Stanton Avenue Castro Valley, California

PROJECT # 2-00-706-ST DATE: 12/29/2005 Figure

5

Isocontours of MTBE in Groundwater 12/12/05

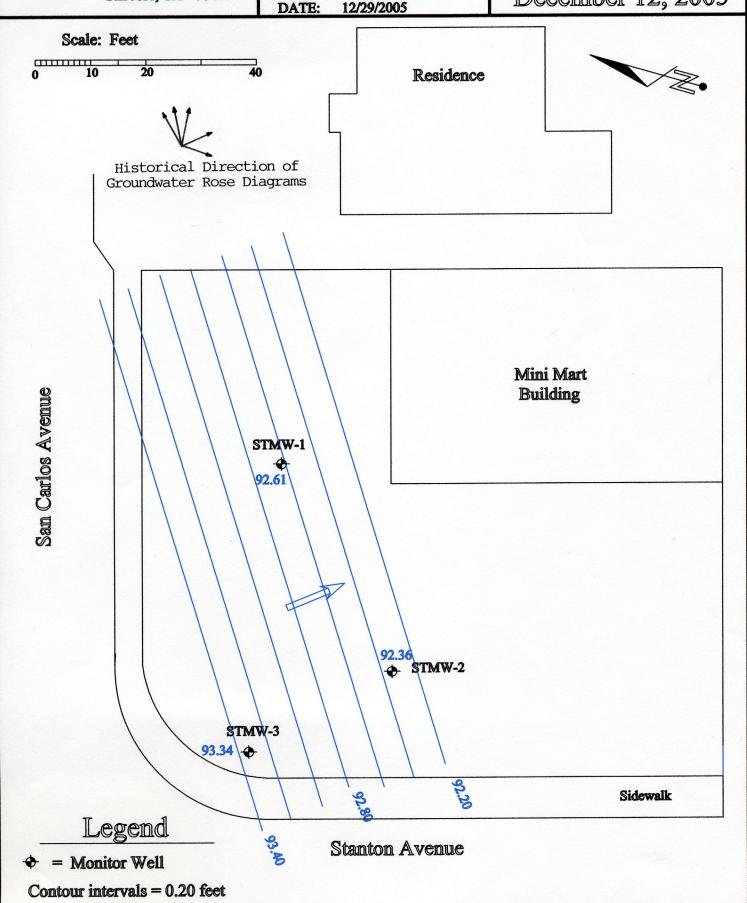


131 Tully Road San Jose, CA 95112 **PROJECT** 

20570 Stanton Avenue Castro Valley, California

PROJECT # 2-00-706-ST DATE: 12/29/2005 Figure

Groundwater Elevation
December 12, 2005



131 Tully Road San Jose, CA 95112

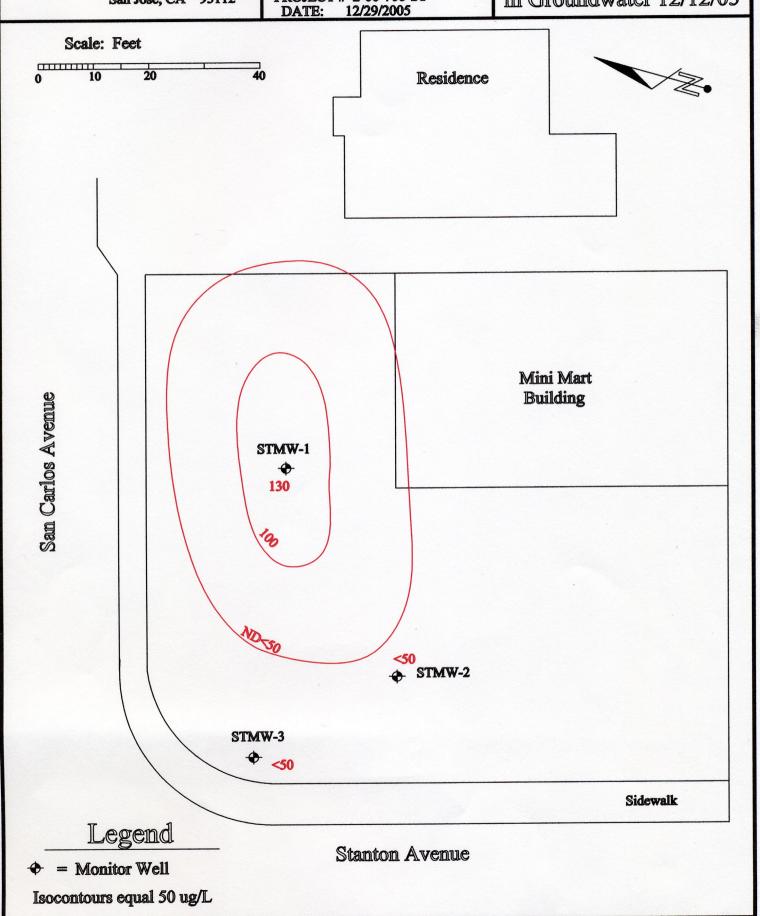
PROJECT

20570 Stanton Avenue Castro Valley, California

PROJECT # 2-00-706-ST 12/29/2005

Figure

Isocontours of TPH-g in Groundwater 12/12/05



# APPENDIX "C"

# **HYDROGRAPHS**

File No.: 2-00-706-ST TPHg, BENZENE & MTBE RESULTS FOR STMW-2 ( $\mu g/L$ ) AND DEPTH TO WATER MEASUREMENT (feet) 10000 10 9.5 9 1000 8.5 ANALYTICAL RESULTS 8 7.5 7.5 PEPTH TO WATER 100 6.5 10 6 5.5 5 10/4/00 1/4/01 3/16/04 7/5/04 12/28/04 3/24/05 7/20/05 9/15/05 12/12/05 **ENVIRO SOIL TECH CONSULTANTS** - TPHg BENZENE MTBE DEPTH TO WATER

File No.: 2-00-706-ST TPHg, BENZENE & MTBE RESULTS FOR STMW-1 ( $\mu g/L$ ) AND DEPTH TO WATER MEASUREMENT (feet) 100000 10 9.5 9 10000 8.5 8 ANALYTICAL RESULTS 7.5 7 7 7 6.5 0 7 7 7 8 1000 100 6 5.5 10 5 4.5 10/4/00 1/4/01 3/16/04 7/5/04 12/28/04 3/24/05 7/20/05 9/15/05 12/12/05 **ENVIRO SOIL TECH CONSULTANTS** TPHg BENZENE MTBE DEPTH TO WATER

File No.: 2-00-706-ST TPHg, BENZENE & MTBE RESULTS FOR STMW-3 ( $\mu g/L$ ) AND DEPTH TO WATER MEASUREMENT (feet) 10 10 9.5 9 8.5 ANALYTICAL RESULTS 8 7.5 7 7 **DEPTH TO WATER** 6.5 6 5.5 - 5 10/4/00 1/4/01 3/16/04 7/5/04 12/28/04 3/24/05 7/20/05 9/15/05 12/12/05 **ENVIRO SOIL TECH CONSULTANTS** -TPHg BENZENE MTBE DEPTH TO WATER

# APPENDIX "D"

# STANDARD OPERATION PROCEDURE

#### **GROUNDWATER SAMPLING**

Prior to collection of groundwater samples, all of the sampling equipment (i.e. bailer, cables, bladder pump, discharge lines and etc.) was cleaned by pumping TSP water solution followed by distilled water.

Prior to purging, the well "Water Sampling Field Survey Forms" were filled out (depth to water and total depth of water column were measured and recorded). The well was then bailed or pumped to remove four to ten well volumes or until the discharged water temperature, conductivity and pH stabilized. "Stabilized" is defined as three consecutive readings within 15% of one another.

The groundwater sample was collected when the water level in the well recovered to 80% of its static level.

Forty milliliter (ml.), glass volatile organic analysis (VOA) vials with Teflon septa were used as sample containers. The groundwater sample was decanted into each VOA vial in such a manner that there was a meniscus at the top. The cap was quickly placed over the top of the vials and securely tightened. The VOA vials were then inverted and tapped to see if air bubbles were present. If none were present, the sample was labeled and refrigerated for delivery under chain-of-custody to the laboratory. The label information would include a sample identification number, job identification number, date, time, type of analysis requested, and the sampler's name.

# APPENDIX "F"

# FIELD NOTES

# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500 Fax: (408) 292-2116

DEPTH TO WELL:_ DEPTH TO WATER	706 - ST 2 - 05 : 6 <sup>F†</sup> ,26 R COLUMN:		LER: Ruhul MM  LL VOLUME: 2  LL VOLUME: 13  AL PURGED VOLUM	5
CALCULATIONS:	15.74	2''	4"	
	BAILER NO	DISPLACEMEOTHERYES, DESCRIBE:YES, DESCRIBE:		
	FIELI	) MEASUREMENTS		
TIME	VOLUME  3 9 p c 6 9 p c 9 6 p c	7.90 7.81 7.86	TEMP.  30.1  19.9  20.2	E.C. 1309 1439 1733
6 58				

# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants 131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Fax: (408) 292-2116 Tel: (408) 297-1500

DEPTH TO WELI	-12-05 :		WELL NO.: STM W - 1 SAMPLER: Dithel Muly 1 WELL VOLUME: 2.9				
DEPTH TO WATI	ER: 5 <sup>f</sup> , 32	5 W	ELL VOLUME: 14	1,5			
HEIGHT OF WAT	TER COLUMN:	AC	TUAL PURGED VOL	UME: 9			
CASING DIAMET	TER:	2"	4''				
CALCULATIONS	ı						
2'' - x 0.1632 4'' - 0.653	17.68						
	D:BAILER DD:BAILER		MENT PUMP	OTHER			
SHEEN:	> <sub>NO</sub>	ES, DESCRIBE:	RainBow	4.			
ODOR:		ES, DESCRIBE:					
	FIELD N	MEASUREMENT	S				
TIME	<b>VOLUME</b>	<u>pH</u>	TEMP.	<u>E.C.</u>			
	3 9AC	6.16	19.7	429			
	6 5AC	6,15	19.0	411			
	99AC	6114	19,6	C138			

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				~
FILE NO.: 2 -00	-706-ST	WELL	NO .: STMW	· d
DATE: 12-	2-05	SAMP	LER: Duthel M	renles
DEPTH TO WELI	J:		LL VOLUME: 2	
DEPTH TO WATE	ER: 6 168	5 WEI	LL VOLUME: 12	15
HEIGHT OF WAT	TER COLUMN:	ACTU	AL PURGED VOLU	JME: <u>9</u>
CASING DIAMET	TER:	2"	4''	
CALCULATIONS	•			
2'' - x 0.1632	15.32	1		
4'' - 0.653				
PURGE METHOD	D:BAILER	DISPLACEME	NT PUMP	OTHER
SAMPLE METHO	D:BAILER	OTHER		
SHEEN:	NO	YES, DESCRIBE:		3
ODOR:	NO	✓YES, DESCRIBE: Si	SUBY9F	
	FIELI	D MEASUREMENTS		
TIME	<b>VOLUME</b>	<u>pH</u>	TEMP.	E.C.
	3 5126	7,71	21,2	986
	69146	7.68	21,4	548
	99110	7.70	21.5	690
		_		