

#### **RECEIVED**

11:22 am, Aug 20, 2007

Alameda County Environmental Health

> 461 S. MILPITAS BLVD., SUITE #1 MILPITAS, CA 95035 PH. 408/933-4422 FAX 408/933-4545

August 13, 2007

Ms. Donna Drogos ACHCSA 1131 Harbor Parkway, Suite 250 Oakland, CA 94502-6577

SUBJECT:

SECOND QUARTER OF 2007 GROUNDWATER MONITORING AND SAMPLING REPORT 20570 Stanton Ave, Castro Valley, CA

Dear Ms. Drogos:

Enclosed, please find a copy of the July 31, 2007 subject Groundwater Monitoring and sampling Report prepared by my 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.

grant and the second of the large to be suffered by the contract of the contra

Sincerely,

Sean Kapoor

# SECOND QUARTER OF 2007 GROUNDWATER MONITORING AND SAMPLING AT THE PROPERTY LOCATED AT 20570 STANTON AVENUE CASTRO VALLEY, CALIFORNIA JULY 31, 2007

PREPARED FOR:
MR. SEAN KAPOOR
STOP 'N SAVE, INC.
DBA STOP 'N SAVE #108
461 S. MILPITAS BOUELVARD, SUITE 1
MILPITAS, CALIFORNIA 95035

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

# **LIST OF TABLES**

- TABLE 1 ... Groundwater Monitoring Data and Analytical Results
- TABLE 2 ... Recent Groundwater Monitoring Data and Analytical Results
- TABLE 3 ... Summary of Monitoring Wells Data

### **LIST OF FIGURES**

- FIGURE 1 ... Site Vicinity Map Showing 20570 Stanton Avenue, Castro Valley, California
- FIGURE 2 ... Site Plan Showing Locations of Building, Pump Islands, Monitoring Wells, Groundwater Flow Direction and Groundwater Elevation Contour
- FIGURE 3 ... Isocontours of TPHg Map
- FIGURE 4 ... Isocontours of Benzene Map
- FIGURE 5 ... Isocontours of MTBE Map

# **LIST OF APPENDICES**

APPENDIX "A" ... Tables 1, 2 and 3

APPENDIX "B" ... Figures 1, 2, 3, 4 and 5

APPENDIX "C" ... Hydrographs

APPENDIX "D" ... Standard Operating Procedures

APPENDIX "E" ... Laboratory Analytical Report and Chain-of-Custody

Documentation

APPENDIX "F" ... Field Notes

TABLE OF CONTENTS	<u>PAGE NO.</u>
Letter of Transmittal	1-2
Purpose	3
Site Description	3
Background	3-6
Scope of Present Work	6
Field Activities	7
Groundwater Monitoring Groundwater Sampling	7 7-8
Analytical Results	8
Groundwater Flow Direction	9
Summary	9
Recommendations	9
Limitations	10
APPENDIX "A"	
Table 1 - Groundwater Monitoring Data Analytical Results	T1-T4
Table 2 - Recent Groundwater Monitoring Data Analytical Results	T5
Table 3 - Summary of Monitoring Wells Data	Т6

#### TABLE OF CONTENTS CONT'D

## PAGE NO.

### **APPENDIX "B"**

Figure 1 - Vicinity Map	M1
Figure 2 - Site Plan	M2
Figure 3 - Isocontours of TPHg Map	M3
Figure 4 - Isocontours of Benzene Map	M4
Figure 5 - Isocontours of MTBE Map	M5

### **APPENDIX "C"**

Hydrographs

### APPENDIX "D"

Groundwater Sampling

SOP1

### APPENDIX "E"

Entech Analytical Labs Report and Chain-of-Custody Record

### 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

July 31, 2007

File No. 2-00-706-SI

Mr. Sean Kapoor Stop 'N Save, Inc. dba Stop 'N Save #108 461 S. Milpitas Boulevard, Suite 1 Milpitas, California 95035

# SUBJECT: SECOND QUARTER OF 2007 GROUNDWATER MONITORING & SAMPLING AT THE PROPERTY

Located at 20570 Station Avenue, in Castro Valley, California

Dear Mr. Kapoor:

This report presents the second quarter of 2007 groundwater monitoring and sampling results that were conducted by Enviro Soil Tech Consultants (ESTC) on June 29, 2007.

Three monitoring wells (STMW-1 to 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.

This report will be electronically submitted to Alameda Country Health Care Services Agency (ACHESA) by electronically 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 or via email at <a href="mailto:info@envirosoiltech.com">info@envirosoiltech.com</a>.

Sincerely,

ENVIRO SOIL TECH CONSULTANTS

FRANK HAMEDI-FARD GENERAL MANAGER

LAWRENCE KO 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 ACHCSA's 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 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 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; October 28, 2005; January 11, 2006; April 7, 2006; August 1, 2006, October 9, 2006, January 10, 2007 and April 20, 2007.

#### **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 June 29, 2007, 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 only STMW-3 well screens are submerged at approximately 0.18 feet.

During monitoring of the wells, sewerage odor was noted in groundwater sample from monitoring well STMW-1. No sheen or odor was noted in groundwater samples from wells STMW-2 and 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 and BTEX below laboratory detection limit in monitoring wells STMW-2 and STMW-3. Groundwater sample from monitoring well STMW-1 detected TPHg at 2700 microgram per liter ( $\mu$ g/L), BTEX at (340  $\mu$ g/L, 45  $\mu$ g/L, 52  $\mu$ g/L and 310  $\mu$ g/L, respectively), MTBE at 3100  $\mu$ g/L and tert-Butanol (TBA) at 2200  $\mu$ g/L. Water sample from monitoring well STMW-2 detected MTBE at 14  $\mu$ g/L. MTBE was non-detectable level in groundwater sample from monitoring well STMW-3. A summary of recent groundwater monitoring data and analytical results are presented in Table 2 (Appendix "A"). The laboratory analytical report is included in Appendix "E".

It must be noted that since the well screens from STMW-3 are submerged, the results of water samples may not be the representative and true value of the surrounding groundwater.

#### **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 easterly direction of groundwater flow as of June 29, 2007.

#### **SUMMARY:**

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

One out of three wells detected TPHg and BTEX in the water samples. Two out of three wells detected MTBE and TBA in the water samples.

#### **RECOMMENDATIONS:**

Since one out of three monitoring wells detect TPHg and TBA, and two out of three monitoring wells detected MTBE in the groundwater, ESTC recommends continuation of quarterly groundwater monitoring and sampling of on-site monitoring wells. Furthermore, since the screens from one 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.

# A P P E N D I X "A" TABLES

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	В	Т	E	X	MTBE	PCE	TBA	TCE	Other VOCs by EPA 8260B	
10/04/00	STMW-1	23	9-23	8.34*	89.59	No sheen	60000	ND	ND	ND	ND	69000	ND	ND	ND	None Detected<2500	
	(97.93)					Light petroleum odor		<2500	<2500	<2500	<2500		<2500	<10000	<2500		
1/04/01				7.86*	90.07	No sheen	71000	ND	ND	ND	ND	89000	ND	ND	ND	None Detected<5000	
						Light sewerage odor		< 5000	< 5000	< 5000	< 5000		< 5000	<20000	< 5000		
3/16/04				5.70*	92.23	No sheen	260	52	64	7.9	27	39	ND	ND	ND	1,2,4-Trimethylbenzen	
						Sewerage odor							< 0.5	<10	< 0.5	2-Butanone (MEK)	21
																Acetone	22
																Carbon Disulfide	0.75
7/05/04				4.02%	00.11	27 1	2100	1.7	240	2.6	10	520	NID	NID	NID	Styrene	1.5
7/05/04				4.82*	93.11	No sheen	2100	17	240	2.6	12	520	ND <2.5	ND <50	ND	Acetone	820
12/28/04				6.82*	91.11	Sewerage odor No sheen	310	89	90	11	43	32	<2.5 ND<1	ND	<2.5 ND	None Detected<1	
12/28/04				0.82**	91.11	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	630	43	140	16	110	20	ND<1	ND	ND	1,2,4-Trimethylbenzen	12
3/24/03				3.65**	92.30	Sewerage odor	030	43	140	10	110	20	ND<1	<20	ND <1	Acetone	46
7/20/05				5.75*	92.18	No sheen	330 <b>b</b>	12	22	ND	9.3	310	ND	ND	ND	Chloroform	23
7/20/03				3.73	92.10	Sewerage odor	3300	12	22	<2.5	9.3	310	<2.5	<50	<2.5	Methylene Chloride	40
9/15/05				7.44*	90.49	Rainbow sheen	15000	ND	ND	ND	ND	13000	ND	2500	ND	None Detected<100	10
7/15/05				7.11	70.17	Sewerage odor	13000	<100	<100	<100	<100	13000	<100	2300	<100	Tione Detected (100	
12/12/05				5.32*	92.61	Rainbow sheen	130	4.4	7.5	ND<1	3.4	170	ND	100	ND	Acetone	61
,,				0.02	,	Sewerage odor							<1		<1	Carbon Disulfide	4.1
3/16/06				3.90*	94.03	Rainbow sheen	ND	0.9	3.3	ND	ND	21	ND	ND	ND	Acetone	37
						Sewerage odor	< 50			< 0.5	< 0.5		< 0.5	<10	< 0.5	p-Isopropyltoluene	16
6/22/06				7.12*	90.81	No sheen	130	4.4	54	ND<1	7.1	70	ND	ND	ND	2-Butanone (MEK)	49
						Sewerage odor							<1	<20	<1	Acetone	200
																Isopropanol	160
																p-Isopropyltoluene	13
9/21/06				7.78*	90.15	No sheen	880	110	32	18	110	1600	ND	2300	ND	None Detected<10	
						Sewerage odor							<10		<10		
12/18/06				9.12**	88.81	No sheen	240	7.5	130	1.4	7.6	130	ND	180	ND	Carbon Disulfide	2
						Sewerage odor							<1		<1		
3/22/07				6.82*	91.11	Rainbow sheen	190	17	13	2.9	14	360	ND	170	ND	None Detected<0.5	
- 12 - 10 -						Sewerage odor		- 10					<2.5		<2.5		
6/29/07				9.86**	88.07	No sheen	2700	340	45	52	310	3100	ND	2200	ND	None Detected<25	
						Sewerage odor							<25		<25		

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

Date	Well No./ Elevation	Depth of Well	Depth of 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-2	22	9-22	8.22*	90.82	No ashen or odor	69	ND	ND	ND	ND	66	ND	ND	ND	None Detected<5
	(99.04)							<5	<5	<5	<5		<5	<20	<5	
1/04/01				6.70*	92.96	No sheen or odor	110	ND	ND	ND	ND	120	ND	ND	ND	None Detected<5
								<5	<5	<5	<5		<5	<20	<5	
3/16/04				6.08*	92.96	No sheen	1100 <b>a</b>	ND	ND	ND	ND	1700	ND	ND	ND	None Detected<10
						Sewerage odor		<10	<10	<10	<20		<10	<200	<10	
7/05/04				6.86*	92.18	No sheen or odor	1800 <b>b</b>	ND	ND	ND	ND	1800	ND	ND	ND	None Detected<10
								<10	<10	<10	<20		<10	<200	<10	
12/28/04				6.22*	92.82	No sheen or odor	1000 <b>b</b>	ND	ND	ND	ND	1400	ND	ND	ND	None Detected<13
								<13	<13	<13	<13		<13	<250	<13	
3/24/05				5.12*	93.92	No sheen	760	ND	ND	ND	ND	930	ND	180	ND	None Detected<5
						Sewerage odor		<5	<5	<5	<5		<5		<5	
7/20/05				5.66*	93.38	No sheen	64	ND	ND	ND	ND	43	ND	920	ND	None Detected<1
						Sewerage odor		<1	<1	<1	<1		<1		<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
12/12/05				6.68*	92.36	No sheen	ND	2.2	ND	0.6	ND	23	ND	22	ND	None Detected<0.5
12/12/00				0.00	,2.00	Sewerage odor	<50	2.2	<0.5	0.0	< 0.5	25	<0.5		<0.5	Trone Bettetted role
3/16/06				5.54*	93.50	Rainbow sheen	ND	ND	ND	ND	ND	34	ND	150	ND	None Detected<0.5
						No odor	< 50	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5		< 0.5	
6/22/06				6.02*	93.02	No sheen or odor	ND	ND	ND	ND	ND	12	ND	200	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5		< 0.5	
9/21/06				6.94*	92.10	No sheen	ND	ND	ND	ND	ND	16	ND	41	ND	None Detected<0.5
						Sewerage odor	< 50	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5		< 0.5	
12/18/06				6.46*	92.58	No sheen	ND	ND	ND	ND	ND	15	ND	71	ND	None Detected<0.5
						Sewerage odor	< 50	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5		< 0.5	
3/22/07				6.16*	92.88	No sheen or odor	ND	ND	ND	ND	ND	15	ND	71	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5		< 0.5	
6/29/07				9.06**	89.98	No sheen or odor	ND	ND	ND	ND	ND	14	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	<10	< 0.5	
10/04/00	STMW-3	22	9-22	8/.42*	91.18	No sheen or odor	ND	ND	ND	ND	ND	ND	ND	ND	ND	None Detected<5
	(99.60)						< 50	<5	<5	<5	<5	<5	<5	<20	<5	
1/04/01				6.16*	93.44	No sheen or odor	ND	ND	ND	ND	ND	ND	ND	ND	ND	None Detected<5
							< 50	<5	<5	<5	<5	<5	<5	<20	<5	
3/16/04				7.18*	92.42	No sheen or odor	ND	ND	ND	ND	ND	2.8	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	<1		< 0.5	<10	< 0.5	

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	ТРНд	В	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs by EPA 8260B
7/05/04	STMW-3	22	9-22	6.27*	93.33	No sheen or odor	ND	ND	ND	ND	ND	2.5	ND	ND	ND	None Detected<0.5
	(99.60)						<25	< 0.5	< 0.5	< 0.5	<1		< 0.5	<10	< 0.5	
12/28/04				5.64*	93.96	No sheen or odor	ND	ND	ND	ND	ND	2	ND	ND	ND	None Detected<0.5
							<25	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	<10	< 0.5	
3/24/05				5.12*	94.48	No sheen or odor	ND	ND	ND	ND	ND	1.4	ND	ND	ND	None Detected<0.5
							<25	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	<10	< 0.5	
7/20/05				5.50*	94.10	No sheen or odor	ND	ND	ND	ND	ND	1.5	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	<10	< 0.5	
9/15/05				5.56*	94.04	No sheen or odor	ND	ND	ND	ND	ND	1.2	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	<10	< 0.5	
12/12/05				6.26*	93.34	No sheen or odor	ND	ND	ND	ND	ND	ND	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5	<1	< 0.5	< 0.5	< 0.5	
3/16/06				5.14*	94.46	No sheen or odor	ND	ND	ND	ND	ND	ND	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5	<1	< 0.5	<10	< 0.5	
6/22/06				5.92*	93.68	No sheen or odor	ND	ND	ND	ND	ND	ND	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5	<1	< 0.5	<10	< 0.5	
9/21/06				6.14*	93.46	No sheen or odor	ND	ND	ND	ND	ND	ND	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5	<1	< 0.5	<10	< 0.5	
12/18/06				5.50*	94.10	No sheen or odor	ND	ND	ND	ND	ND	ND	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5	<1	< 0.5	<10	< 0.5	
3/22/07				5.88*	93.72	No sheen or odor	ND	ND	ND	ND	ND	ND	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5	<1	< 0.5	<10	< 0.5	
6/29/07				8.82*	90.78	No sheen or odor	ND	ND	ND	ND	ND	ND	ND	ND	ND	None Detected<0.5
							< 50	< 0.5	< 0.5	< 0.5	< 0.5	<1	< 0.5	<10	< 0.5	

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

**TPHg** – Total Petroleum Hydrocarbons as gasoline

MTBE - Methyl Tertiary Butyl Ether

**TBA** – Tertiary Butanol

**VOCs** – Other Fuel Hydrocarbon Oxygenated Compounds

**Perf.** – Perforation

\*\* Well screens are not submerged

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

**BTEX** – Benzene, Toluene, Ethylbenzene, Total Xylenes

**PCE** – Tetrachloroethene **TCE** – Trichloroethene

TCE - Illemoloemene

**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 RECENT GROUNDWATER MONITORING DATA (feet) AND ANALYTICAL RESULTS (μg/L)

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	В	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs by EPA 8260B
6/29/07	STMW-1 (97.93)	23	9-23	9.86**	88.07	No sheen Sewerage odor	2700	340	45	52	310	3100	ND <25	2200	ND <25	None Detected<25
6/29/07	STMW-2 (99.04)	22	9-22	9.06**	89.98	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	14	ND <0.5	ND <10	ND <0.5	None Detected<0.5
6/29/07	STMW-3 (99.60)	22	9-22	8.82*	90.78	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	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

\*\* Well screens are not submerged

**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

# TABLE 3 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	9-23	0-9	0-71/2	71/2-8	15
STMW-2	2	22	9-22	0-9	0-71/2	71/2-8	8-22
STMW-3	2	22	9-22	0-9	0-71/2	71/2-8	8-22

# APPENDIX "B"

# **FIGURES**

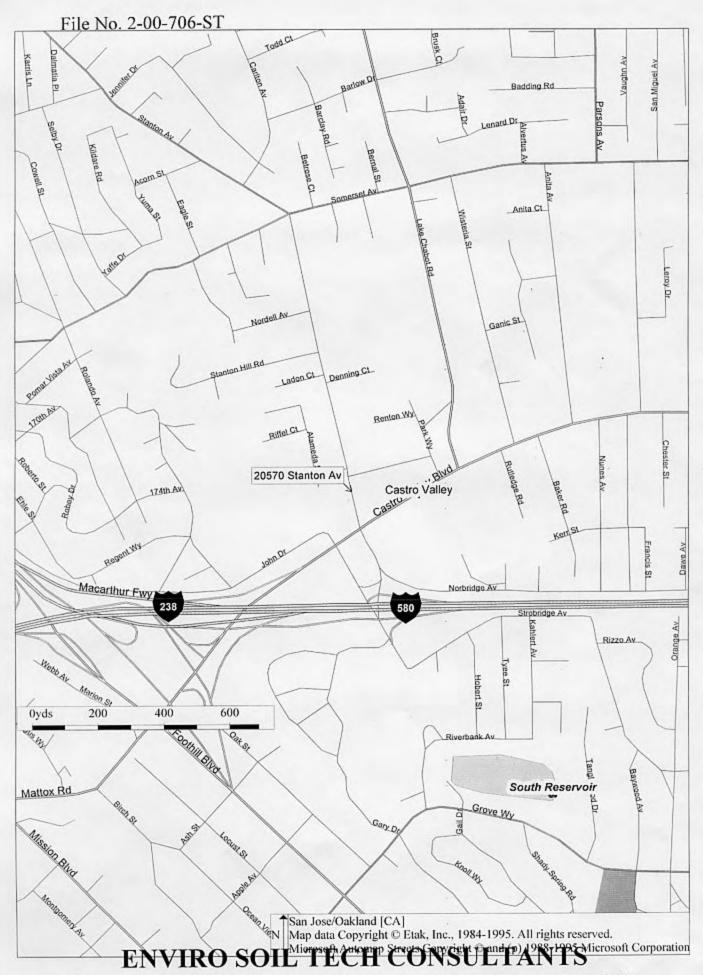


Figure 1

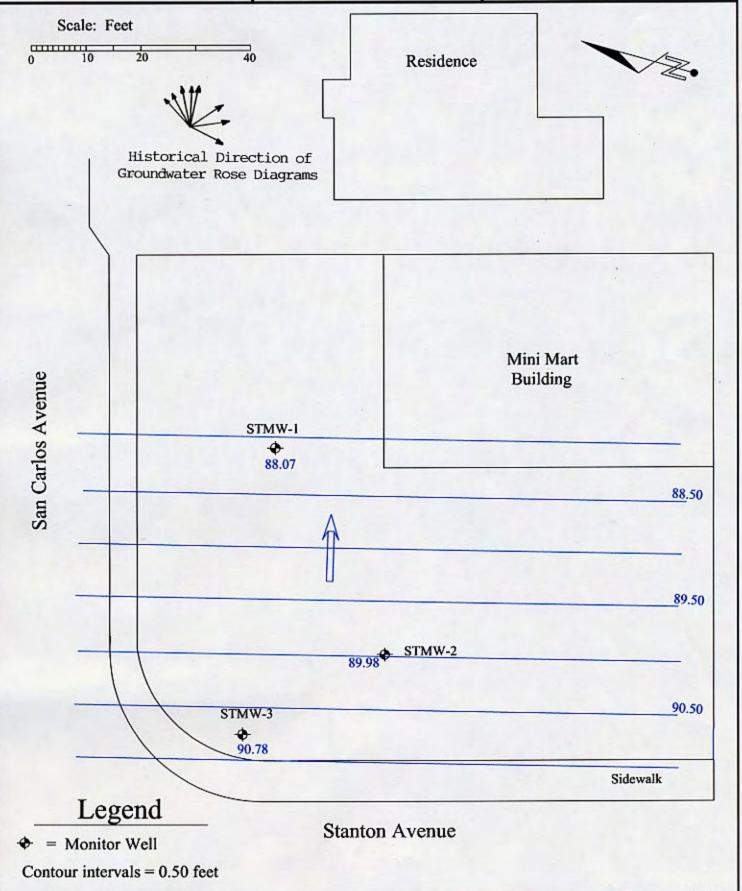
131 Tully Road San Jose, CA 95112 PROJECT

20570 Stanton Avenue Castro Valley, California

PROJECT # 2-00-706-ST DATE: 7/31/2007 Figure

2

Groundwater Elevation June 29, 2007



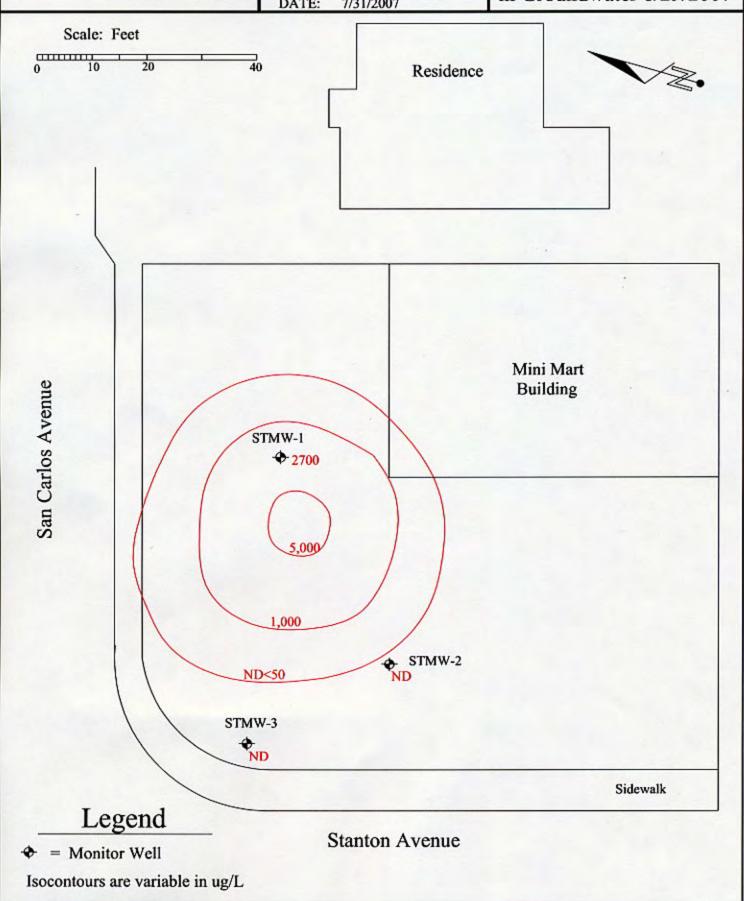
131 Tully Road San Jose, CA 95112 PROJECT

20570 Stanton Avenue Castro Valley, California

PROJECT # 2-00-706-ST DATE: 7/31/2007 **Figure** 

3

Isocontours of TPH-g in Groundwater 6/29/2007



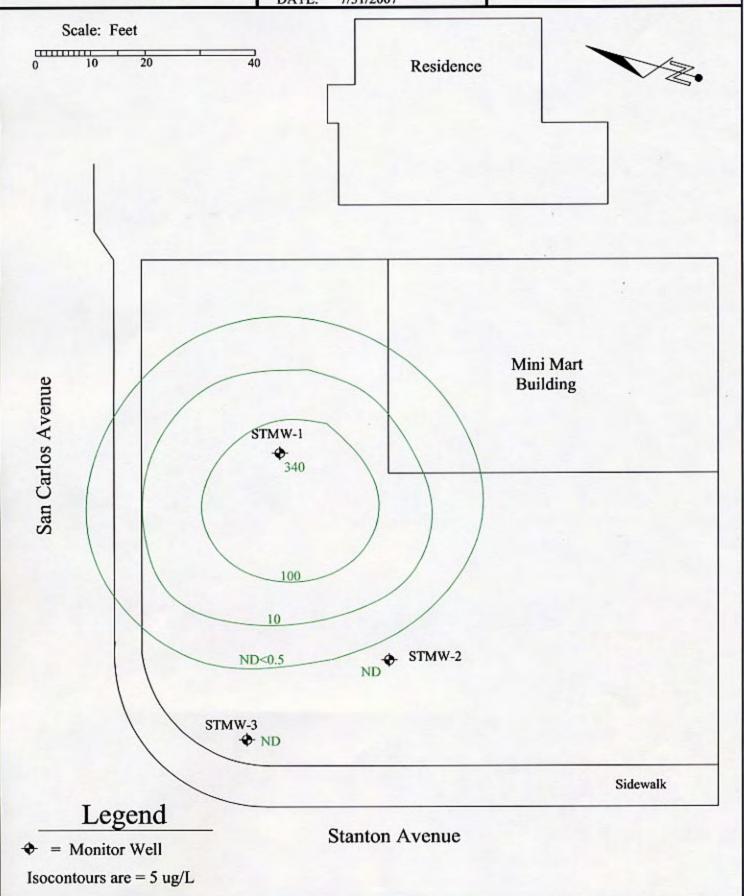
131 Tully Road San Jose, CA 95112 **PROJECT** 

20570 Stanton Avenue Castro Valley, California

PROJECT # 2-00-706-ST DATE: 7/31/2007 Figure

4

Isocontours of Benzene in Groundwater 6/29/2007



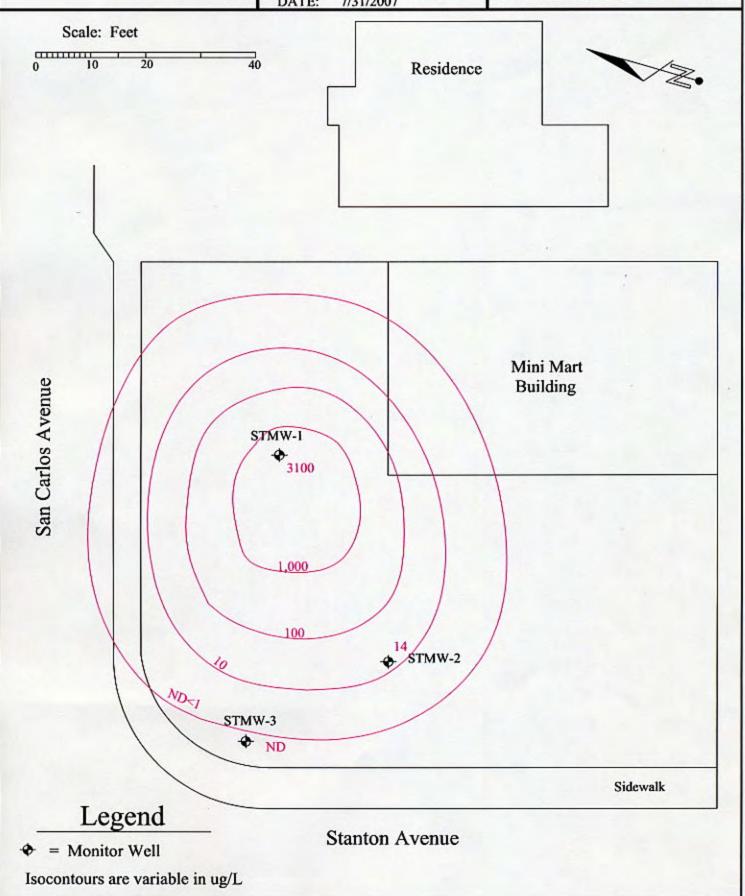
131 Tully Road San Jose, CA 95112 PROJECT

20570 Stanton Avenue Castro Valley, California

PROJECT # 2-00-706-ST DATE: 7/31/2007 Figure

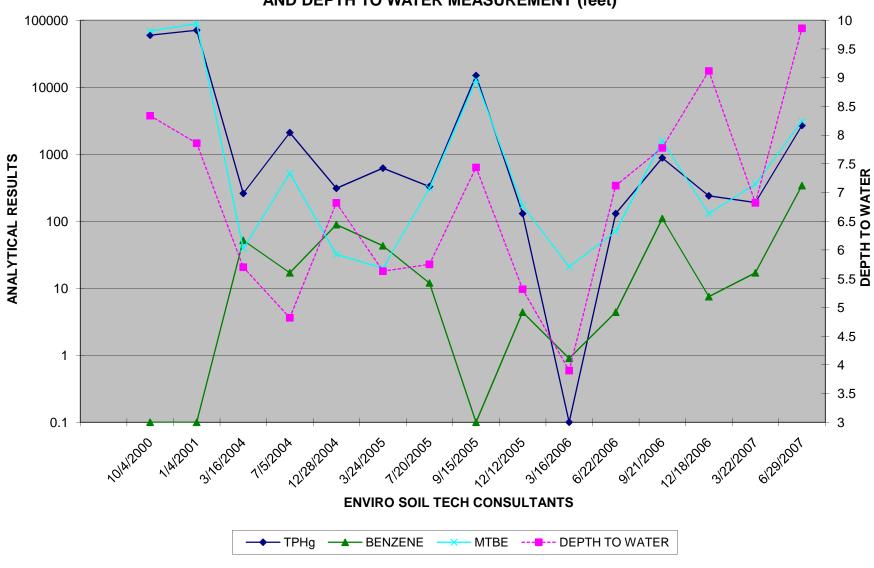
5

Isocontours of MTBE in Groundwater 6/29/2007

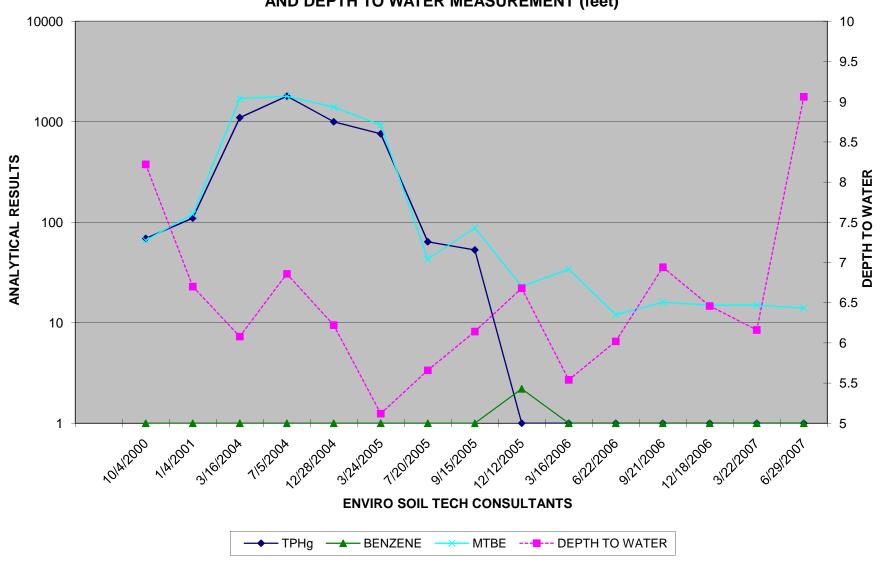


# A P P E N D I X "C" HYDROGRAPHS

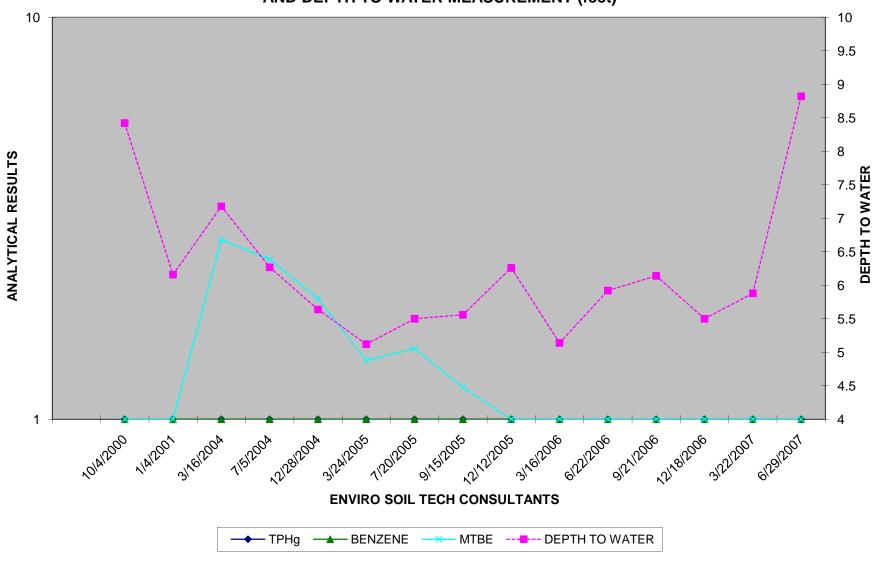
File No.: 2-00-706-ST TPHg, BENZENE & MTBE RESULTS FOR STMW-1 ( $\mu$ g/L) AND DEPTH TO WATER MEASUREMENT (feet)



File No.: 2-00-706-ST TPHg, BENZENE & MTBE RESULTS FOR STMW-2 ( $\mu$ g/L) AND DEPTH TO WATER MEASUREMENT (feet)



File No.: 2-00-706-ST TPHg, BENZENE & MTBE RESULTS FOR STMW-3 ( $\mu$ g/L) AND DEPTH TO WATER MEASUREMENT (feet)



# A P P E N D I X "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.

# A P P E N D I X "E" LABORATORY REPORT

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Frank Hamedi Lab Certificate Number: 56180

Enviro Soil Tech Consultants Issued: 07/16/2007

131 Tully Road San Jose, CA 95111

Project Number: 2-00-706-ST Global ID: T0600183405

Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

#### Certificate of Analysis - Final Report

On July 02, 2007, samples were received under chain of custody for analysis.

Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix Test / Comments

Liquid Electronic Deliverables for Geotracker

TPH-Purgeable - GC: EPA 5030B / EPA 8015B

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346). If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

C. L. Thom

Laboratory Director

C. L. Thom

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95111 Attn: Frank Hamedi

Project Number: 2-00-706-ST Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

GlobalID: T0600183405

#### **Certificate of Analysis - Data Report**

Samples Received: 07/02/2007 Sample Collected by: Client

<b>Lab #:</b> 56180-001	Sample ID: STMW-1	Matrix: Liquid	<b>Sample Date:</b> 6/29/2007	10:39 AM
-------------------------	-------------------	----------------	-------------------------------	----------

VOCs: EPA 5030B / EPA 8260B for	Groundwater and	Water -	EPA 624 for Waste	water				
Parameter	Result Qua		<b>Detection Limit</b>	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,1,1-Trichloroethane	ND	50	25	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,1,2,2-Tetrachloroethane	ND	50	25	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,1,2-Trichloroethane	ND	50	25	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,1-Dichloroethane	ND	50	25	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,1-Dichloroethene	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
1,1-Dichloropropene	ND	50	25	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2,3-Trichlorobenzene	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2,3-Trichloropropane	ND	50	250	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2,4-Trichlorobenzene	ND	50	250	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2,4-Trimethylbenzene	ND	50	250	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dibromo-3-Chloropropane	ND	50	250	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dibromoethane (EDB)	ND	50	25	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dichlorobenzene	ND	50	25	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dichloroethane	ND	50	25	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dichloropropane	ND	50	25	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,3,5-Trimethylbenzene	ND	50	250	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,3-Dichlorobenzene	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,3-Dichloropropane	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,4-Dichlorobenzene	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,4-Dioxane	ND	50	2500	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2,2-Dichloropropane	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2-Butanone (MEK)	ND	50	1000	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2-Chloroethyl-vinyl Ether	ND	50	250	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2-Chlorotoluene	ND	50	250	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2-Hexanone	ND	50	1000	μg/L	N/A	N/A	7/11/2007	WM1A070710A
4-Chlorotoluene	ND	50	250	μg/L	N/A	N/A	7/11/2007	WM1A070710A
4-Methyl-2-Pentanone(MIBK) Acetone	ND ND	50 50	1000 1000	μg/L	N/A N/A	N/A N/A	7/11/2007 7/11/2007	WM1A070710A WM1A070710A
Acetonitrile	ND ND	50	250	μg/L	N/A	N/A N/A	7/11/2007	WM1A070710A WM1A070710A
Acrolein	ND ND	50	250	μg/L μg/L	N/A	N/A N/A	7/11/2007	WM1A070710A WM1A070710A
Acrylonitrile	ND	50	250	μg/L μg/L	N/A	N/A	7/11/2007	WM1A070710A WM1A070710A
Benzene	340	50	25	μg/L μg/L	N/A	N/A	7/11/2007	WM1A070710A WM1A070710A
Benzyl Chloride	ND	50	250	μg/L μg/L	N/A	N/A	7/11/2007	WM1A070710A
Bromobenzene	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Bromochloromethane	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Bromodichloromethane	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Bromoform	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Bromomethane	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Carbon Disulfide	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Carbon Tetrachloride	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Chlorobenzene	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Chloroethane	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Chloroform	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Chloromethane	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95111 Attn: Frank Hamedi

Project Number: 2-00-706-ST Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

GlobalID: T0600183405

**Certificate of Analysis - Data Report** 

Samples Received: 07/02/2007 Sample Collected by: Client

<b>Lab #:</b> 56180-001	Sample ID: STMW-1	Matrix: Liquid	<b>Sample Date:</b> 6/29/2007	10:39 AM
<b>240</b> • • • • • • • • • • • • • • • • • •	Sumpre 12 ( S 11:1 ( )	1,1401111 219010	Sumpre 2 acct 0,29,200,	10.00

VOCs: EPA 5030B / EPA 8260B	for Groundwater and	Water -	EPA 624 for Waste	water				
Parameter	Result Qual	D/P-F	<b>Detection Limit</b>	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND	50	25	μg/L	N/A	N/A	7/11/2007	WM1A070710A
cis-1,3-Dichloropropene	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Cyclohexanone	ND	50	1000	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Dibromochloromethane	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Dibromomethane	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Dichlorodifluoromethane	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Diisopropyl Ether	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Ethyl Benzene	52	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Freon 113	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Hexachlorobutadiene	ND	50	250	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Iodomethane	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Isopropanol	ND	50	1000	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Isopropylbenzene	ND	50	50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Methyl-t-butyl Ether	3100	50	50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Methylene Chloride	ND	50	1000	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
n-Butylbenzene	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
n-Propylbenzene	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Naphthalene	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
p-Isopropyltoluene	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Pentachloroethane	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
sec-Butylbenzene	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Styrene	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Amyl Methyl Ether	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Butanol (TBA)	2200	50	500	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Butyl Ethyl Ether	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Butylbenzene	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Tetrachloroethene	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Tetrahydrofuran	ND	50	1000	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Toluene	45	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
trans-1,2-Dichloroethene	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
trans-1,3-Dichloropropene	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
trans-1,4-Dichloro-2-butene	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Trichloroethene	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Trichlorofluoromethane	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Vinyl Acetate	ND	50	250	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Vinyl Chloride	ND	50	25	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Xylenes, Total	310	50	25	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A

Surrogate	Surrogate Recovery	Control Limits (%)				
4-Bromofluorobenzene	102	60	-	130		
Dibromofluoromethane	115	60	-	130		
Toluene-d8	104	60	_	130		

Analyzed by: XBian Reviewed by: MaiChiTu

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95111 Attn: Frank Hamedi

Project Number: 2-00-706-ST Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

GlobalID: T0600183405

**Certificate of Analysis - Data Report** 

Samples Received: 07/02/2007 Sample Collected by: Client

**Lab #:** 56180-001 **Sample ID: STMW-1 Matrix:** Liquid **Sample Date:** 6/29/2007 10:39 AM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B												
Parameter	Result	Qual	D/P-F	<b>Detection Limit</b>	Units	Prep Date	Prep Batch	<b>Analysis Date</b>	QC Batch			
TPH as Gasoline	2700		10	500	$\mug/L$	N/A	N/A	7/13/2007	WGC070712			
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)	Analyzed by: EricKum			um				
4-Bromofluorobenzene	102		65 -	135			Reviewed by: MaiChiTu					

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200

Project Number: 2-00-706-ST Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

Fax: (408) 588-0201

GlobalID: T0600183405

Certificate of Analysis - Data Report

**Enviro Soil Tech Consultants** 

131 Tully Road

San Jose, CA 95111

Attn: Frank Hamedi

Samples Received: 07/02/2007 Sample Collected by: Client

**Lab #:** 56180-002 **Sample ID: STMW-2 Matrix:** Liquid **Sample Date:** 6/29/2007 12:40 PM

VOCs: EPA 5030B / EPA 8260B fo	or Groundwater and	Water -	EPA 624 for Waste	water				
Parameter	Result Qua		<b>Detection Limit</b>	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,1,1-Trichloroethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,1,2,2-Tetrachloroethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,1,2-Trichloroethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,1-Dichloroethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,1-Dichloroethene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,1-Dichloropropene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2,3-Trichlorobenzene	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2,3-Trichloropropane	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2,4-Trichlorobenzene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2,4-Trimethylbenzene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dibromo-3-Chloropropane	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dibromoethane (EDB)	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dichlorobenzene	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dichloroethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,2-Dichloropropane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,3,5-Trimethylbenzene	ND	1.0	5.0	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,3-Dichlorobenzene	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,3-Dichloropropane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,4-Dichlorobenzene	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
1,4-Dioxane	ND	1.0	50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2,2-Dichloropropane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2-Butanone (MEK)	ND	1.0	20	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2-Chloroethyl-vinyl Ether	ND	1.0	5.0	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2-Chlorotoluene	ND	1.0	5.0	μg/L	N/A	N/A	7/11/2007	WM1A070710A
2-Hexanone	ND	1.0	20	μg/L	N/A	N/A	7/11/2007	WM1A070710A
4-Chlorotoluene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
4-Methyl-2-Pentanone(MIBK)	ND	1.0	20	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Acetone	ND	1.0	20	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Acetonitrile	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Acrolein	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Acrylonitrile	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Benzene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Benzyl Chloride	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Bromobenzene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Bromochloromethane	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Bromodichloromethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Bromoform	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Bromomethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Carbon Disulfide	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Carbon Tetrachloride	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Chlorobenzene	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Chloroethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Chloroform	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Chloromethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95111 Attn: Frank Hamedi

Project Number: 2-00-706-ST Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

GlobalID: T0600183405

**Certificate of Analysis - Data Report** 

Samples Received: 07/02/2007 Sample Collected by: Client

**Lab #:** 56180-002 **Sample ID: STMW-2 Matrix:** Liquid **Sample Date:** 6/29/2007 12:40 PM

VOCs: EPA 5030B / EPA 8260B	for Groundwater an	l Water -	EPA 624 for Waste	water				
Parameter	Result Qua	l D/P-F	<b>Detection Limit</b>	Units	<b>Prep Date</b>	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
cis-1,3-Dichloropropene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Cyclohexanone	ND	1.0	20	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Dibromochloromethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Dibromomethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Dichlorodifluoromethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Diisopropyl Ether	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Ethyl Benzene	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Freon 113	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Hexachlorobutadiene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Iodomethane	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Isopropanol	ND	1.0	20	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Isopropylbenzene	ND	1.0	1.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Methyl-t-butyl Ether	14	1.0	1.0	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Methylene Chloride	ND	1.0	20	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
n-Butylbenzene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
n-Propylbenzene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Naphthalene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
p-Isopropyltoluene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Pentachloroethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
sec-Butylbenzene	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Styrene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Amyl Methyl Ether	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Butanol (TBA)	ND	1.0	10	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Butyl Ethyl Ether	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Butylbenzene	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Tetrachloroethene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Tetrahydrofuran	ND	1.0	20	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Toluene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
trans-1,2-Dichloroethene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
trans-1,3-Dichloropropene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
trans-1,4-Dichloro-2-butene	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Trichloroethene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Trichlorofluoromethane	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Vinyl Acetate	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Vinyl Chloride	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Xylenes, Total	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A

Surrogate	Surrogate Recovery	Control Limits (%)				
4-Bromofluorobenzene	105	60	-	130		
Dibromofluoromethane	115	60	-	130		
Toluene-d8	103	60	_	130		

Analyzed by: XBian Reviewed by: MaiChiTu

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95111 Attn: Frank Hamedi

Project Number: 2-00-706-ST Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

GlobalID: T0600183405

**Certificate of Analysis - Data Report** 

Samples Received: 07/02/2007 Sample Collected by: Client

**Lab #:** 56180-002 **Sample ID: STMW-2 Matrix:** Liquid **Sample Date:** 6/29/2007 12:40 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B											
Parameter	Result	Qual	D/P-F	<b>Detection Limit</b>	Units	Prep Date	Prep Batch	<b>Analysis Date</b>	QC Batch		
TPH as Gasoline	ND		1.0	50	μg/L	N/A	N/A	7/10/2007	WGC070710		
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)	Analyzed by: EricKum			um			
4-Bromofluorobenzene	87.7		65 -	135			Reviewed by: MaiChiTu				

Sample ID: STMW-3

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200

Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95111

Certificate of Analysis - Data Report

Attn: Frank Hamedi

**Lab#:** 56180-003

Project Number: 2-00-706-ST Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

Matrix: Liquid Sample Date: 6/29/2007

Fax: (408) 588-0201

11:37 AM

GlobalID: T0600183405

Samples Received: 07/02/2007 Sample Collected by: Client

Sample Conceded to

VOCs: EPA 5030B / EPA 8260B f	OCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater									
Parameter	Result Qual	D/P-F	<b>Detection Limit</b>	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
1,1,1,2-Tetrachloroethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A		
1,1,1-Trichloroethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,1,2,2-Tetrachloroethane	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,1,2-Trichloroethane	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,1-Dichloroethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,1-Dichloroethene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,1-Dichloropropene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,2,3-Trichlorobenzene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,2,3-Trichloropropane	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,2,4-Trichlorobenzene	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,2,4-Trimethylbenzene	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,2-Dibromo-3-Chloropropane	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,2-Dibromoethane (EDB)	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,2-Dichlorobenzene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,2-Dichloroethane	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,2-Dichloropropane	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,3,5-Trimethylbenzene	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,3-Dichlorobenzene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,3-Dichloropropane	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,4-Dichlorobenzene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
1,4-Dioxane	ND	1.0	50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
2,2-Dichloropropane	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
2-Butanone (MEK)	ND	1.0	20	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
2-Chloroethyl-vinyl Ether	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
2-Chlorotoluene	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
2-Hexanone	ND	1.0	20	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
4-Chlorotoluene	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
4-Methyl-2-Pentanone(MIBK)	ND	1.0	20	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
Acetone	ND	1.0	20	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A		
Acetonitrile	ND	1.0	5.0	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Acrolein	ND	1.0	5.0	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Acrylonitrile	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Benzene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Benzyl Chloride	ND	1.0	5.0	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Bromobenzene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Bromochloromethane	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Bromodichloromethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Bromoform	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Bromomethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Carbon Disulfide	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Carbon Tetrachloride	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Chlorobenzene	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Chloroethane	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Chloroform	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		
Chloromethane	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A		

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95111 Attn: Frank Hamedi

Project Number: 2-00-706-ST Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

GlobalID: T0600183405

Certificate of Analysis - Data Report

Samples Received: 07/02/2007 Sample Collected by: Client

**Lab #:** 56180-003 **Sample ID: STMW-3 Matrix:** Liquid **Sample Date:** 6/29/2007 11:37 AM

VOCs: EPA 5030B / EPA 8260B	for Groundwater and	Water -	EPA 624 for Waste	water				
Parameter	Result Qual	D/P-F	<b>Detection Limit</b>	Units	<b>Prep Date</b>	Prep Batch	<b>Analysis Date</b>	QC Batch
cis-1,2-Dichloroethene	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
cis-1,3-Dichloropropene	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Cyclohexanone	ND	1.0	20	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Dibromochloromethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Dibromomethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Dichlorodifluoromethane	ND	1.0	0.50	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Diisopropyl Ether	ND	1.0	5.0	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Ethyl Benzene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Freon 113	ND	1.0	5.0	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Hexachlorobutadiene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Iodomethane	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Isopropanol	ND	1.0	20	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Isopropylbenzene	ND	1.0	1.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Methyl-t-butyl Ether	ND	1.0	1.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Methylene Chloride	ND	1.0	20	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
n-Butylbenzene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
n-Propylbenzene	ND	1.0	5.0	μg/L	N/A	N/A	7/11/2007	WM1A070710A
Naphthalene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
p-Isopropyltoluene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
Pentachloroethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	7/11/2007	WM1A070710A
sec-Butylbenzene	ND	1.0	5.0	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
Styrene	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Amyl Methyl Ether	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Butanol (TBA)	ND	1.0	10	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Butyl Ethyl Ether	ND	1.0	5.0	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
tert-Butylbenzene	ND	1.0	5.0	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
Tetrachloroethene	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
Tetrahydrofuran	ND	1.0	20	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
Toluene	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
trans-1,2-Dichloroethene	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
trans-1,3-Dichloropropene	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
trans-1,4-Dichloro-2-butene	ND	1.0	5.0	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
Trichloroethene	ND	1.0	0.50	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
Trichlorofluoromethane	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Vinyl Acetate	ND	1.0	5.0	$\mu  g/L$	N/A	N/A	7/11/2007	WM1A070710A
Vinyl Chloride	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A
Xylenes, Total	ND	1.0	0.50	$\mug/L$	N/A	N/A	7/11/2007	WM1A070710A

Surrogate	Surrogate Recovery	Control Limits (%)				
4-Bromofluorobenzene	108	60	-	130		
Dibromofluoromethane	113	60	-	130		
Toluene-d8	102	60	-	130		

Analyzed by: XBian Reviewed by: MaiChiTu

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95111 Attn: Frank Hamedi

Project Number: 2-00-706-ST Project Name: 20570 Stanton Ave

Project Location: 20570 Stanton Ave., Castro Valley

GlobalID: T0600183405

Certificate of Analysis - Data Report

Samples Received: 07/02/2007 Sample Collected by: Client

**Lab #:** 56180-003 **Sample ID: STMW-3 Matrix:** Liquid **Sample Date:** 6/29/2007 11:37 AM

TPH-Purgeable - GC: EPA 5030B / EPA 8015B **Prep Date** QC Batch **Parameter** Qual D/P-F **Detection Limit** Units **Prep Batch Analysis Date** TPH as Gasoline 7/10/2007 WGC070710 ND 1.0 N/A N/A50  $\mu g/L$ **Surrogate Recovery Control Limits (%)** Analyzed by: EricKum Surrogate 4-Bromofluorobenzene - 135 90.4 Reviewed by: MaiChiTu

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC070710 Validated by: MaiChiTu - 07/13/07

QC Batch Analysis Date: 7/10/2007

Surrogate for Blank% RecoveryControl Limits4-Bromofluorobenzene86.065 - 135

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

**QC Batch ID: WGC070710** Reviewed by: MaiChiTu - 07/13/07

QC Batch ID Analysis Date: 7/10/2007

**LCS** 

Surrogate % Recovery Control Limits 4-Bromofluorobenzene 106 65 - 135

LCSD

Parameter Method Blank Spike Amt SpikeResult Units % Recovery RPD RPD Limits Recovery Limits

TPH as Gasoline <50 125 120 µg/L 96.0 6.45 25.0 65 - 135

Surrogate% RecoveryControl Limits4-Bromofluorobenzene11165 - 135

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

MS / MSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC070710 Reviewed by: MaiChiTu - 07/13/07

QC Batch ID Analysis Date: 7/10/2007

MS Sample Spiked: 56180-003

Sample Spike Spike **Analysis** Recovery Result Amount Result Date Limits Units **Parameter** % Recovery TPH as Gasoline ND 125 115 μg/L 7/10/2007 92.0 65 - 135

Surrogate% RecoveryControl Limits4-Bromofluorobenzene10765 - 135

MSD Sample Spiked: 56180-003

Sample Spike **Spike Analysis** Recovery Result Limits Amount Result Date **RPD Limits Parameter** Units % Recovery RPD ND 125 65 - 135 TPH as Gasoline 118 μg/L 7/10/2007 94.4 2.58 25.0

Surrogate% RecoveryControl Limits4-Bromofluorobenzene11165 - 135

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC070712 Validated by: MaiChiTu - 07/16/07

QC Batch Analysis Date: 7/12/2007

Surrogate for Blank% RecoveryControl Limits4-Bromofluorobenzene90.365 - 135

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC070712 Reviewed by: MaiChiTu - 07/16/07

QC Batch ID Analysis Date: 7/12/2007

**LCS** 

Surrogate% RecoveryControl Limits4-Bromofluorobenzene12165 - 135

**LCSD** 

Surrogate % Recovery Control Limits 4-Bromofluorobenzene 110 65 - 135

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for

Wastewater

QC Batch ID: WM1A070710A Validated by: MaiChiTu - 07/11/07

QC Batch Analysis Date: 7/10/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.50	μg/L
1,1,1-Trichloroethane	ND	1	0.50	μg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	μg/L
1,1,2-Trichloroethane	ND	1	0.50	μg/L
1,1-Dichloroethane	ND	1	0.50	μg/L
1,1-Dichloroethene	ND	1	0.50	μg/L
1,1-Dichloropropene	ND	1	0.50	μg/L
1,2,3-Trichlorobenzene	ND	1	5.0	μg/L
1,2,3-Trichloropropane	ND	1	5.0	μg/L
1,2,4-Trichlorobenzene	ND	1	5.0	μg/L
1,2,4-Trimethylbenzene	ND	1	5.0	μg/L
1,2-Dibromo-3-Chloropropane	ND	1	5.0	μg/L
1,2-Dibromoethane (EDB)	ND	1	0.50	μg/L
1,2-Dichlorobenzene	ND	1	0.50	μg/L
1,2-Dichloroethane	ND	1	0.50	μg/L
1,2-Dichloropropane	ND	1	0.50	μg/L
1,3,5-Trimethylbenzene	ND	1	5.0	μg/L
1,3-Dichlorobenzene	ND	1	0.50	μg/L
1,3-Dichloropropane	ND	1	0.50	μg/L
1,4-Dichlorobenzene	ND	1	0.50	μg/L
1,4-Dioxane	ND	1	50	μg/L
2,2-Dichloropropane	ND	1	0.50	μg/L
2-Butanone (MEK)	ND	1	20	μg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	μg/L
2-Chlorotoluene	ND	1	5.0	μg/L
2-Hexanone	ND	1	20	μg/L
4-Chlorotoluene	ND	1	5.0	μg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	μg/L
Acetone	ND	1	20	μg/L
Acetonitrile	ND	1	5.0	μg/L
Acrolein	ND	1	5.0	μg/L
Acrylonitrile	ND	1	5.0	μg/L
Benzene	ND	1	0.50	μg/L
Benzyl Chloride	ND	1	5.0	μg/L
Bromobenzene	ND	1	0.50	μg/L
Bromochloromethane	ND	1	0.50	μg/L
Bromodichloromethane	ND	1	0.50	μg/L
Bromoform	ND	1	0.50	μg/L
Bromomethane	ND	1	0.50	μg/L
Carbon Disulfide	ND	1	0.50	μg/L
Carbon Tetrachloride	ND	1	0.50	μg/L
Chlorobenzene	ND	1	0.50	μg/L
Chloroethane	ND	1	0.50	μg/L
Chloroform	ND	1	0.50	μg/L
Chloromethane	ND	1	0.50	μg/L
cis-1,2-Dichloroethene	ND	1	0.50	μg/L
cis-1,3-Dichloropropene	ND	1	0.50	μg/L
Cyclohexanone	ND	1	20	μg/L
Dibromochloromethane	ND	1	0.50	μg/L
Dibromomethane	ND	1	0.50	μg/L

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for

Wastewater

**QC Batch ID: WM1A070710A**Validated by: MaiChiTu - 07/11/07

QC Batch Analysis Date: 7/10/2007

Parameter	Result	DF	PQLR	Units
Dichlorodifluoromethane	ND	1	0.50	μg/L
Diisopropyl Ether	ND	1	5.0	μg/L
Ethyl Benzene	ND	1	0.50	μg/L
Freon 113	ND	1	5.0	μg/L
Hexachlorobutadiene	ND	1	5.0	μg/L
Iodomethane	ND	1	5.0	μg/L
Isopropanol	ND	1	20	μg/L
Isopropylbenzene	ND	1	1.0	μg/L
Methylene Chloride	ND	1	20	μg/L
Methyl-t-butyl Ether	ND	1	1.0	μg/L
Naphthalene	ND	1	5.0	μg/L
n-Butylbenzene	ND	1	5.0	μg/L
n-Propylbenzene	ND	1	5.0	μg/L
Pentachloroethane	ND	1	0.50	μg/L
p-Isopropyltoluene	ND	1	5.0	μg/L
sec-Butylbenzene	ND	1	5.0	μg/L
Styrene	ND	1	0.50	μg/L
tert-Amyl Methyl Ether	ND	1	5.0	μg/L
tert-Butanol (TBA)	ND	1	10	μg/L
tert-Butyl Ethyl Ether	ND	1	5.0	μg/L
tert-Butylbenzene	ND	1	5.0	μg/L
Tetrachloroethene	ND	1	0.50	μg/L
Tetrahydrofuran	ND	1	20	μg/L
Toluene	ND	1	0.50	μg/L
trans-1,2-Dichloroethene	ND	1	0.50	μg/L
trans-1,3-Dichloropropene	ND	1	0.50	μg/L
trans-1,4-Dichloro-2-butene	ND	1	5.0	μg/L
Trichloroethene	ND	1	0.50	μg/L
Trichlorofluoromethane	ND	1	0.50	μg/L
Vinyl Acetate	ND	1	5.0	μg/L
Vinyl Chloride	ND	1	0.50	μg/L
Xylenes, Total	ND	1	0.50	μg/L
Surrogate for Blank  % Recovery Control Limits				

Surrogate for Blank	% Recovery	Cont	rol	Limit
4-Bromofluorobenzene	99.8	60	-	130
Dibromofluoromethane	92.8	60	-	130
Toluene do	100	60		130

**97.2** 60 - 130

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for

Wastewater

QC Batch ID: WM1A070710A Reviewed by: MaiChiTu - 07/11/07

QC Batch ID Analysis Date: 7/10/2007

	•	•	C	
ᆫ	L		J	

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	< 0.50	20	17.2	μg/L	86.0	70 - 130
Benzene	< 0.50	20	17.7	μg/L	88.5	70 - 130
Chlorobenzene	< 0.50	20	18.4	μg/L	92.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	17.7	μg/L	88.5	70 - 130
Toluene	< 0.50	20	17.5	μg/L	87.5	70 - 130
Trichloroethene	<0.50	20	17.3	μg/L	86.5	70 - 130
Surrogate	% Recovery C	ontrol Limits				
4-Bromofluorobenzene	99.2	60 - 130				
Dibromofluoromethane	100	60 - 130				

**LCSD** 

Toluene-d8

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	<b>RPD Limits</b>	Recovery Limits	
1,1-Dichloroethene	< 0.50	20	16.1	μg/L	80.5	6.61	25.0	70 - 130	
Benzene	< 0.50	20	17.0	μg/L	85.0	4.03	25.0	70 - 130	
Chlorobenzene	< 0.50	20	17.6	μg/L	88.0	4.44	25.0	70 - 130	
Methyl-t-butyl Ether	<1.0	20	16.8	μg/L	84.0	5.22	25.0	70 - 130	
Toluene	<0.50	20	16.8	μg/L	84.0	4.08	25.0	70 - 130	
Trichloroethene	<0.50	20	17.1	μg/L	85.5	1.16	25.0	70 - 130	

Surrogate	% Recovery	Cont	rol	Limits	
4-Bromofluorobenzene	99.3	60	-	130	
Dibromofluoromethane	96.7	60	-	130	
Toluene-d8	96.7	60	_	130	

					CHAIN	OF CUS	<b>FODY</b>	RECO	RD			49:30038PH	
PROJ. 1 2-00-70	NO. 26-ST	205	NAI う子さ	ME ) \SH	ranton Ave., Castro Valley		\$		RD				·
SAMPLEF JUN	RS: (Signa Vind )	mure) MMM	ly		56180	CON-	A (1)	#					REMARKS
NO.	DATE	TIME	So) L.	WATER	LOCATION	TAINER	13	73					
l	6/29/07	1039		/	STMW-1 COI	4	V	v _	1-1-		EDE	# 1	0600183405
2		1240		i/	STMW-2 002 STMW-3 003	1		<u>-                                    </u>					
3	V	1133			STMW-3 003	4-	4	/		_		. 4	
										<del>    *</del>	Full	list	3
			ļ										
										*/	HI vià	ls (	TR HCLpreservel
			<u> </u>								Q . 45	leo V	e labelall the
red School							1 1			[£]	eld no	inte	accordinato
										114	he C	امن	according to
			-			<del> </del>	1				<i>(</i>		
			<del> </del>		4 vons each (Hell)				+				
Relinguis	ned by:	Signature	1		Date / Time   Received by: 18 gneture	)	Relin	uished	by: (Signi	eture)	Date / T	Time	Receive by: (Signature)
Ruh				7	12/07/1325/								
Relinquis	hed by:	Signature	The state of the s	7/	Date / Time Received by Asignature  407 Walle		Relino	Juished	by: (Signa	nture)	Date / 1	Time	Received by: (Signature)
Relinguls	hed by:	) ISignature	*)		Date / Time Received for Laborato	ry by:		Date /	Time	Remarks Pleas	se ser	id (	ab report to
	ENV	IRO :	SOI	L TI	ECH CONSULTANTS		50			Frank	Ham	edi	

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

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

/// 2116

# A P P E N D I X "F" FIELD NOTES

#### **ENVIRO SOIL TECH CONSULTANTS**

# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

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

FILE NO.: \(\frac{2\cdot 0}{2\cdot 0}\)  DATE: \(\frac{6}{2\cdot 0}\)  DEPTH TO WELL  DEPTH TO WATI  HEIGHT OF WAT	29-07 :: ER: 9 <sup>f†</sup> .86	1 W	LL NO.: STMW MPLER: Ruhul M WELL VOLUME: Z WELL VOLUME: 1 TUAL PURGED VOL	0.5
CASING DIAMET	TER:		4"	
4" - 0.653	:BAILER	DISPLACE	MENT PUMP	OTHER
SAMPLE METHO	D:BAILERNOY	OTHER YES, DESCRIBE:		
орок:		MEASUREMENT		
TIME	3 9AC 6 9AC 9 9AC	7,15 6,76 6,91	21.9 21.0	E.C. 1049 560 1094
				-

84. 7901

# ENVIRO SOIL TECH CONSULTANTS

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

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

FILE NO.: 2.00.706 -  DATE: 6-29-07  DEPTH TO WELL:  DEPTH TO WATER: 9 FT.		SAMPLER 1 WELL V 5 WELL V	:: STMU - 2 :: Bill M OLUME: 2.1 OLUME: 10	Lowly
HEIGHT OF WATER COLUMN	<u>:</u>	ACTUAL I	PURGED VOLUM	ле: <u> </u>
CASING DIAMETER:	✓2"		4"	
CALCULATIONS:				
2" - x 0.1632	74			
4" - 0.653				
PURGE METHOD:BA	LERO	THER		
SHEEN:NO ODOR:NO	YES, DES	CRIBE:		
ODOR:NO	YES, DES	CRIBE:		
	FIELD MEASU	REMENTS		
TIME VOLU	JME	p <u>H</u>	TEMP.	E.C.
39AC 65AC 99AC	6	.98	25.2 23.6 23.0	1085

50, 10 1

# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

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

				_
FILE NO .: 2-0	0.706-ST	WEI	LL NO .: STMW -	3
	29-07	SAM	IL NO .: STMW -	monly
	-,		ELL VOLUME:	
DEPTH TO WELL DEPTH TO WATE	F8. 8 47 .82		ELL VOLUME: 1	1
HEIGHT OF WAT		ACT	UAL PURGED VOL	UME: 9
	-			,
CASING DIAMET	ER:		4"	
CALCULATIONS:				
2" - x 0.1632	13.18			
4" - 0.653				
	BAILER D:BAILER _		IENT PUMP	OTHER
SHEEN:	NO	YES, DESCRIBE:		
ODOR:		YES, DESCRIBE:		
		MEASUREMENT	*	
TIME	VOLUME	p <u>H</u>	TEMP.	<u>E.C.</u>
	3 9AC	7.23	21,7	878
	6 9 AL	7.26	21-1	1133
	9 940	7.28	20.9	1297
-3	11.			
		4100		